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HONGKONG OBSERVATORY,

26th January, 1897.

SIR,—I have the honour to submit my annual report for 1896 to His Excellency the Governor. My twelfth volume of "Observations and Researches" was published last autumn, and the thirteenth volume is now being printed. It contains investigations of the typhoons in 1896, which I have conducted in co-operation with Mr. FIGG. Thus all the typhoons that have been observed since this Observatory was started on the 1st January, 1884, have now been investigated. The same volume will contain a contribution to high level anemometry in the Tropics as the anemograms taken on top of the Peak are at present being measured. From a discussion of these measures the laws governing the winds at that altitude will for the first time be accurately ascertained, a result that cannot fail to benefit local storm-warnings. Two years' rainfall in China are also being tabulated, but this is of minor importance.

2. The thanks of the Government are due to the Inspector-General of the Imperial Maritime Customs of China for ordering meteorological observations to be made at the Treaty Ports and light-houses and transmitted to this Observatory, and to the Telegraph Companies for continuing to forward a number of them free of charge, and with precedence urgency, but many more telegraphic returns are required for the purpose of weather-forecasts and storm-warnings especially from the interior and the north of China, and I have ventured to apply to His Excellency for such further returns.

3. The staffs of the Eastern Extension Telegraph Company at Bolinao (Luzon), and at Sharp Peak (near Foochow), make observations at all times during the day, whenever required, and cable them direct to Hongkong. This enables Mr. FIGG to indicate the progress of typhoons very much better than would be possible without such information, but the Directors of the Companies have unfortunately refused to sanction their employees taking up this work at other stations.

4. During the past year reports were received every three hours, day and night, by telegraph from Gap Rock, the lighthouse about 30 miles to the south of the Colony, and also hourly from 6 a. till 8 p. daily by telephone from Victoria Peak. This is a great help for local storm-warnings. It would be still better if reports could be had at night also from the Peak, and if trained observers were located there, but as the cost would exceed a hundred dollars a month I have not suggested those improvements. Should, however, a further improvement in local storm-warnings be considered essential, this expense could scarcely be avoided.

5. Mr. FIGG has analysed his weather-forecasts for 1896 with the following results. The results for wind-direction, force, and weather are treated separately in the first instance. The forecast wind-direction is considered successful if the wind at Gap Rock blows the greater part of the 24 hours from a direction that does not differ more than 45° from the forecast (93% were successful). Forecast wind force: "light," is successful if the mean force registered at Gap Rock is a light breeze, or if the wind force does not reach the force of a moderate breeze; "moderate," if the mean is a moderate breeze, or if the wind force exceeds a light breeze and falls short of a strong breeze; "fresh," if the mean is a fresh breeze, or if the wind force exceeds a gentle breeze and falls short of a moderate gale; "strong," if the mean is a strong breeze, or if the wind force exceeds a moderate breeze and falls short of a fresh gale; "gale," if it blows more than 40 miles per hour at Gap Rock (93% were successful). The "weather" is successful when "fine" is forecast if the mean amount of clouds is below 7-tenths of the whole sky, if sunshine or starlight prevails, and when it does not rain more than one hour out of the twenty-four; when "fair, cloudy," if the amount of clouds exceeds 3-tenths and it does not rain more than one hour; when "showery" if it rains at intervals and is fair at intervals; when "wet, rainy" if it rains more than 4 hours (77% were successful). Counting days on which all three elements were correctly forecast as "success," those when two elements were justified and one failed as "partial success," those when one element was justified and two failed as "partial failure," and those when all elements failed as "total failure," we have:—

Success 67 %, partial success 30 %, partial failure 2 %, total failure 1 %

Following the method used in meteorological offices and taking the sum of total and partial success as a measure of success, and the sum of total and partial failure as a measure of failure, we find finally that:—

97 % of the weather-forecasts were successful.

6. The amount of success attached to the firing of the typhoon gun to indicate local gales has been determined according to the method adopted at meteorological offices at home. According to this method of counting, the storm-signal is justified if followed by a gale of force 8 and upwards within 48 hours at a place near sea-level within 50 miles of the place where the signal is hoisted. It is a failure because "too late," if it blows a strong gale (force 9) before the signal is hoisted. According to this way of counting, a failure has to be recorded every time the gun is not fired during the winter for a "Norther," although we do not presume to forecast those, as that cannot be done till information is available from the interior and northern ports, *e.g.*, from Hankow and Chefoo, from which ports no telegrams have as yet reached the Observatory.

7. The typhoon gun has been fired 27 times one round, since the Observatory was started on the 1st January, 1884, *i e.*, during the past 13 years. During the same period it has 30 times blown a gale of force 8 and upwards: Once in February (norther), once in June (typhoon), 5 times in July (typhoons), 3 times in August (typhoons), 11 times in September (typhoons), 7 times in October (typhoons), and twice in December (northers).

8. The following table gives an account of all the gales that have passed over the Colony during the past 13 years and the warnings given by the typhoon gun. This shows 75 % of success counting all the gales and all the times the gun was fired, or 83 % of success if the "Northers" be left out of the account. This compares favourably with the percentage of success in the British Isles, 58 % only of which are justified by subsequent gales of force 8 and upwards (mean of the 10 years 1884-93 inclusive) This leaves out of account the fact that in those isolated instances, where the gun was not fired, warning was given by notices issued and, of late years, by lanterns hoisted.—During the first eight years the gun was fired when the wind blew 37 miles per hour, on an average, while during the past four years it was fired when the wind blew only 27 miles per hour on an average. This shows an improvement with the increase of staff that took place in the meantime, and with the increase in the number of telegraphic reporting stations. Detailed particulars concerning every typhoon are published in the "Observations and Researches."

Table I.

Whether the gun was fired or not.	When the gun was fired.	Wind velocity at the Observatory when fired.	When it blew hardest.	Highest wind velocity at Observatory or Gap Rock.	Interval between gun-fire and		Success or Failure.	Remarks.
					begining of strong gale.	highest wind velocity.		
		m. p. h.		*m. p. h.*	*hours.*	*hours.*		
No.	.....	...	1884 July 29th 8 p.	55	...	...	Failure.	At noon on the 28th typhoon notified as approaching coast not far from Hongkong.
Yes.	1884 Aug. 21st 9.45 p.	25	1884 Aug. 21st 9.45 p.	25	...	...	Failure.	No gale: Colony in left-hand semi-circle of typhoon (centre within 180 miles).
Yes.	1884 Sept. 10th 5.45 a.	29	1884 Sept. 10th midt.	89	13.2	18.2	Success.	
Yes.	1885 Aug. 17th 12.30 p.	42	1885 Aug. 17th 3 p.	53	2.5	2.5	Success.	
No.	.....	...	1886 Dec. 7th 5 a.	54	...	...	Failure.	(Norther).
Yes.	1887 July 20th 4.30 a.	42	1887 July 20th 4 p.	50	11.5	11.5	Success.	
Yes.	1887 Sept. 11th 7.05 p.	31	1887 Sept. 11th 11 p.	51	3.9	3.9	Success.	
Yes.	1887 Sept. 17th 8.50 a.	40	1887 Sept. 17th 5 p.	69	2.2	8.2	Success.	
Yes.	1887 Sept. 20th 10.05 p.	39	1887 Sept. 21st 2 p.	56	12.9	15.9	Success.	
Yes.	1887 Sept. 25th 6.30 a.	34	1887 Sept. 26th 5 a.	55	22.5	22.5	Success.	
Yes.	1888 Sept. 28th 7.55 a.	35	1888 Sept. 28th 10 p.	50	14.1	14.1	Success.	
No.	.....	...	1889 Feb. 10th 1 a.	53	...	...	Failure.	(Norther).

TABLE I.,—*Continued.*

Whether the gun was fired or not.	When the gun was fired.	Wind velocity at the Observatory when fired.	When it blew hardest.	Highest wind velocity at Observatory or Gap Rock.	Interval between gun-fire and		Success or Failure.	Remarks.
					begining of strong gale.	highest wind velocity.		
		m. p. h.		*m. p. h.*	*hours.*	*hours.*		
No.	.....	...	1889 Oct. 16th 6 a.	61	...	...	Fauliro.	Oct. 15th 5A.45m. p. irum hoisted. At 5A.55m. p. notice given of typhoon.
Yes.	1890 Oct. 13th 6.10 a.	52	1890 Oct. 13th 7 a.	53	0.0	0.8	Failure.	(Too late). Lanterns hoisted Oct. 12th 11A.30m. p.
Yes.	1891 July 19th 1.0 a.	38	1891 July 19th 7 a.	64	2.0	6.0	Success.	
Yes.	1891 Aug. 2nd 9.30 p.	39	1891 Aug. 3rd 5 a.	61	2.5	7.5	Success.	
No.	.....	...	1891 Dec. 4th 1 a.	63	...	...	Failure.	(Norther).
Yes.	1893 Sept. 8th 10.15 a.	27	1893 Sept. 9th 3 a.	59	14.7	16.8	Success.	
Yes.	1893 Sept. 28th 8.30 a.	25	1893 Sept. 28th 11 p.	61	6 5	14.5	Success.	
Yes.	1893 Oct. 1st 4.0 p.	31	1893 Oct. 2nd 3 p.	81	12.0	23.0	Success.	
Yes.	1893 Oct. 8th 4.45 a.	38	1893 Oct. 8th 9 a.	58	3.3	4.3	Success.	
Yes.	1894 June 24th 4.25 p.	40	1894 June 24th 6 p.	48	1.6	1.6	Success.	
Yes.	1894 Sept. 10th 7.45 a.	29	1894 Sept. 10th 11 a.	38	...	3.3	Failure.	(No gale).
Yes.	1894 Sept. 18th 4.15 p.	25	1894 Sept. 19th 10 a.	67	4.8	17.8	Success.	
Yes.	1894 Sept. 24th 11.10 p.	42	1894 Sept. 25th 9 a.	86	4.8	9.8	Success.	
Yes.	1894 Sept. 29th 10.45 a.	16	1894 Sept. 30th 9 a.	64	10.2	22.3	Success.	
Yes.	1894 Oct. 4th 10.30 a.	31	1894 Oct. 5th 5 p.	85	10.5	30.5	Success.	
Yes.	1895 July 28th 8.30 a.	23	1895 July 28th 2 p.	53	5.5	5.5	Success.	
Yes.	1896 July 29th 9.5 a.	18	1895 July 29th 10 p.	108	8.9	12.9	Success.	
Yes.	1896 Aug. 9th 9.30 a.	28	1896 Aug. 9th 5 p.	66	2.5	7.5	Success.	
Yes.	1896 Oct. 5th 7.20 a.	17	1896 Oct. 6th 5 a.	66	9.7	21.7	Success.	
Yes.	1896 Oct. 11th 11.45 a.	22	1896 Oct. 11th midt.	48	12.2	12.2	Success.	(Gale at Gap Rock not at Observatory).

9. The typhoon gun has been fired two rounds 6 times in the past thirteen years: 1st time on the 10th September, 1884, at 6.28 p. (at midt. 89 m.p.h.), 2nd time on the 19th July, 1891, at 2.30 a. (at 7 a. 64 m. p. h.), 3rd time on the 2nd October, 1893, at 6.0 a. (at 3 p 81 m. p. h.), 4th time on the 25th September, 1894, at 6.0 a. (at 9 a. 86 m. p. h.), 5th time on the 5th October, 1894 at 8.30 a. (at 5 p. 85 m. p. h.), 6th time on the 29th July, 1896, at 5.45 p. (at 10 p. 108 m. p. h.

This shows it to have been fired about 6 hours in advance of the heaviest blow, which was on an average 85 m. p. h. (full typhoon force), but the ample warnings issued far in advance render this signal superfluous, and I suggest that it be discontinued.

10. Too great credit cannot be given to Mr. FIGG, our eminent weather-forecaster, for the services he has rendered and of which an account is given in the previous paragraphs. His warnings have saved enormous sums of money for the wealthy communities of the Far East, and have indeed been a benefit to nearly all who trade in these seas, quite apart from the lives which have thereby been preserved.

11. The China Coast Meteorological Register was printed at the Observatory, and information regarding storms was telegraphed to and exhibited on notice boards in Hongkong and elsewhere as often and as fully as such information could be justified by the weather telegrams received. This happened on 90 days in 1896. The Red Drum was hoisted 7 times, the Black Drum 3 times, the Red South Cone 3 times, the Black South Cone 8 times, the Black Ball 5 times, two Lanterns vertically twice. The Gun was fired one round 4 times, two rounds once in 1896. Printed expresses were circulated on 5 occasions.

12. Telegraphic connection with Victoria was interrupted on the 9th June, 1896, from 3.30 p. to 6.30 p.; on the 29th July from 3.15 p. to 5.56 p.; from the 29th July at 7 p. to 1st August at 2.30 p.; on the 13th August from 10.22 a. to 12.27 p.; on the 26th August from 10.40 a. to 11.30 a.; on the 27th August from 11.30 a. to 1.10 p.; on the 24th November from 12.5 p. to 2.54 p. Interruptions occurred therefore on 9 days, and, of course, also during thunderstorms.—Telephone connection with the Peak was interrupted from the 23rd February at 9 a. to 24th February at 11.37 a.; from the 20th March at 11 a. to 22nd March at 3.45 p.; from the 12th June at 5 p. to 15th June at 7 a.; from the 22nd June at 8 p. to 23rd June at 11 a.; from the 29th July at 6 p. to 6th August at 5 p.; from the 7th October at 3 p. to 8th October at 7 a.; from the 8th October at noon to 9th October at 7 a., *i.e.*, on 23 days as well as during thunderstorms.

13. During 1896, in addition to meteorological registers kept at 40 stations on shore, 2151 ship-logs have been copied on board or forwarded by the captains. The total number of vessels, whose log books have been made use of was 325. The total number of days' observations (counting separately those made on board different ships on the same day) was 18541.

14. The following is a list of ships from which logs have been obtained in 1896. Those to which * is prefixed have been communicated directly by their Captains, and the remainder have been copied on board the several vessels. The majority are steamships and the others are distinguished as follows: bk., barque; sh., ship; sch., schooner; bqt., barquentine:—*Activ, *Aden, Alfrida, *Aglaia, *Airlie, *Amara, *Amigo, *Ancona, *Anjer Head, *Apenrade, *Argyll, *Arratoon Apcar, *Ariake Maru, *Ask, *Asloun, Australia, *Australian, *Azamor, *Bayern, *Belgic, Belle of Bath (sh.), Bellona, Benledi, *Bengloe, Benmohr, *Benvenue, *Bisagno, Bittern (bqt.), *Bombay, *Borneo, *Braemar, *Brindisi, Britannic, Brodick Castle (sh.), *Bygdo, *Canton, Casa Blanca (bk.), *Cassius, *Catherine Apcar, *Centurion (H.M.S.), *Cephalonia, Cerastes (sh.), *Ceres, *Ceylon, *Chasma (bk.), *Changsha, Charles E. Moody (sh.), *Chelydra, *China, *Chingping, *Chingtu, *Chi Yuen, *Chowfa, *Chowtai, Choysang, *Chunshan, City of Dublin, *City of Peking, Clan MacFarlane (sh.), *Clara, Clio, *Columbus (sh.), Commodore T. H. Allan (sh.), Congella, *Conqueror (sh.), *Coptic, *Cosmopolit, Creedmoor (sh.), *Cromarty, *Dagmar, Daniel Barnes (sh.), Dante, *Dardanus, *Decima, *Deucalion, *Deuteros, *Devawongse, *Diomed, *Donar, *Doric, Doris, *Dorothea Rickmers, *Ekaterinoslav, El Capitan (sh.), *Elektra, Elizabeth (bk.), Elizabeth Rickmers, Emily Whitney (sh.), *Empress of China, *Empress of India, Empress of Japan, *Energia, *Erato, *Esmeralda, *Evandale, *Federation, *Flintshire, *Foochow, Foohng Suey (bk.), *Fooksang, *Formosa, Fort Stuart (sh.), Freiburg (sh.), *Frejr, *Frigga, *Fushun, *Gaelic, Gerard C. Tobey (bk.), *Gerda, *Germania, *Ghazee, *Glenavon, *Glenearn, *Glenfalloch, *Glenfarg, Glenfruin, *Glenogle, *Glenshiel, Gloucester City, Governor Robie (sh.), *Grafton (H.M.S.), *Guthrie, *Haimun, *Haitan, *Hankow, *Hanoi, Harland (sh.), *Harrow, Helen Brewer (sh.), *Hertha, *Hikosan Maru, *Hinsang, *Hiroshima Maru, *Hohenzollern, *Holstein, *Hongkong, *Hongleong, *Humber (H.M.S.), *Hupeh, *Hydaspes, *Idzumi Maru, *Ingraban, *Invertay, *Irene, Isaac Reed (sh.), Ivy (sh.), *Ixion, *Jacob Christensen, *Japan, *Java, Josephus (sh.), *Kachidate Maru, Kaipan (I.M.C.C.), *Kaisar-I-Hind, *Kalgan, Kangra, *Karlsruhe, *Keemun, *Keong Wai, *Khedive, Kintuck, *Knight of St. John, *Kong Alf, *Kongbeng, Kristina Nielsson (brig.), *Kutsang, L. Schepp (sh.), Lightning, *Likin (I.M.C.C.), *Loongmoon, *Loosok, *Lothair (bk.), *Lyderhorn, *Lyeemoon, *Macduff, *Machew, *Malacca, *Manila, Manuel Slaguno (sh.), Marie Jebsen, *Marquis Bacquehem, *Mascotte, *Mathilde, *Mazagon, *Meefoo, *Melbourne, *Memnon, Menelaus, *Menmuir, *Miike Maru, *Mirzapore, Mogul, *Mongkut, *Monmouthshire, *Mount Lebanon, *Namoa, *Namyong, *Nanchang, *Nanshan, *Nanyang, *Narcissus (H.M.S.), *Natal, *Nerite, *Nestor, *Ningchow, *Niobe, Northbrook (bk.), *Oanfa, *Ocampo, *Oceana, Olivia, (bk.) *Omi Maru, *Onsang, *Oolong, *Oopack, *Orestes, Orient (bk.), *Orono, *Orestes, *Osborne, *Oslo, *Pakhoi, *Palawan, Paramita (sh.), *Pathan, Patroclus, Paul Revere (sh.), *Pectan, *Peiyang, *Pekin, *Peru, *Peshawur, *Petrarch, *Phra Chom Klao *Phra Chula Chom Klao, *Phra Nang, *Picciola, *Pigmy (H.M.S.), *Pingsuey, *Pique (H.M.S.), *Produce, *Preussen,

*Prinz Heinrich, Progress, *Propontis, Radley, *Ravenna, *Riojun Maru, *Rohilla, *Rosetta, *Sabine Rickmers, Sachem, (sh.), *Saghalien, *Saida (H.A.M.S.), *Salterod (bk.), *Saratow, *Sarpedon, Savona (sh.), *Sendai Maru, *Senta, Scottish Isles (sh.), S. D. Carleton (sh.), *Shanghai, *Shantung, Shelly, Siam (sh.), *Siam, Sikh, Sintram (sh.), *Sishan, *Skarpsno, Soeotra (sh.), Sonora (bk.), Spinaway (bqt.), Stanfield (bk.), St. Anna (bk.), St. Mark (sh.), *Strathallan, Strathdee, *Strathesk, *Strathleven, *Strathlyon, Strathnevis, *Suisang, Sultan, *Sunda, *Sungkiang, Sutlej, *Sydney, *Tacoma, *Taicheong, *Taichiow, *Tailee, *Taisang, *Taiwan, *Tai Yuan, Tantalus, Teenkai, Tetartos, T. F. Oakes (sh.), *Thales, Tientsin, *Tritos, *Triumph, *Tsinan, Tyr, *Ulysses, *Utrecht, Velocity (bk.), *Verona, *Victoria, *West York (bk.), *Wingsang, William H. Connor (sh.), William H. Smith (sh.), William J. Rotch (sh.), Wongkoi, *Wosang, *Wuhu, *Wuotan, *Yarra, *Yuensang, *Zafiro, *Zaragoza (Mex. Cruiser).

15. The entry of observations made at sea in degree squares for the area between 9° south and 45° north latitude, and between the longitude of Singapore and 180° East of Greenwich for the construction of trustworthy pilot charts has been continued, and 131333 observations in all have now been entered.

Table II.

Meteorological Observations entered in 10° Squares in 1893, 1894, 1895 and 1896.

Square number.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
19	1	0	0	0	0	0	5	1	0	0	0	0
20	28	11	7	25	18	10	6	8	7	18	23	22
21	22	22	26	32	40	1	10	2	7	21	19	36
22	8	3	12	28	27	25	29	6	0	11	0	1
23	199	236	62	34	14	1	104	77	34	41	67	170
24	242	182	253	204	158	174	354	279	241	227	336	244
25	115	73	81	63	87	75	109	93	80	126	165	103
26	1313	1255	1698	1793	2219	2246	2544	2761	2291	1941	1444	1389
27	0	0	0	0	1	1	0	2	3	1	0	0
55	20	29	26	16	18	21	7	13	16	1	12	12
56	19	51	30	12	24	15	14	23	10	22	19	10
57	29	57	37	40	39	7	13	16	9	26	22	26
58	41	43	71	39	65	28	20	24	13	14	46	40
59	116	114	87	24	63	50	82	30	13	64	119	84
60	175	193	165	107	102	142	262	167	94	59	108	136
61	1219	1256	1688	1631	2273	2554	2685	2655	2567	1864	1639	1374
62	1163	1321	1474	1538	1797	1910	1777	1774	1650	1403	1153	1164
63	4	6	3	6	8	9	6	4	8	4	1	3
91	9	44	18	34	11	11	2	15	24	17	27	52
92	10	41	30	30	12	11	7	11	25	6	26	55
93	7	30	29	20	0	11	1	7	18	19	10	46
94	25	34	6	29	1	12	3	1	21	15	22	15
95	61	87	48	59	43	50	20	9	23	75	45	93
96	1236	1050	1109	1127	1520	1575	1612	1476	1375	1476	1251	1226
97	507	475	610	583	709	749	703	700	685	614	590	577
98	152	101	103	157	196	230	228	209	190	195	174	180
127	97	33	57	39	21	17	37	21	28	41	62	43
128	88	43	64	53	24	35	41	24	22	63	69	63
129	91	47	84	87	40	72	44	54	34	80	100	94
130	178	138	214	168	210	256	287	274	213	243	211	133
131	273	220	258	222	290	386	337	352	298	288	256	231
132	636	471	714	739	1023	1165	1388	1117	1091	1081	1028	655
133	0	0	48	34	37	62	65	36	49	65	46	13
163	55	35	45	89	93	149	162	164	119	113	60	51
164	87	66	76	129	115	216	208	208	192	161	99	76
165	94	85	79	113	152	206	236	202	208	152	122	80
166	29	38	30	31	56	49	80	36	75	57	54	36
167	6	0	0	3	5	34	48	65	26	37	24	0
168	0	0	0	0	0	0	0	1	2	1	5	0
199	24	24	17	33	20	24	27	16	50	25	34	28
200	11	5	2	4	0	3	5	0	19	5	13	1
202	0	0	0	0	0	0	1	1	1	1	0	0
203	0	0	0	0	0	0	1	1	0	0	0	0
319	11	8	16	9	0	0	0	0	0	6	7	13
320	4	0	25	16	13	35	7	0	0	3	0	0
321	0	0	0	0	1	11	0	0	0	0	0	0
322	2	2	12	0	32	6	12	8	14	0	14	0
323	250	144	159	90	106	85	118	77	114	74	138	195
324	167	76	80	35	68	43	63	55	74	120	92	91
325	156	162	160	252	220	213	267	242	209	126	141	144
	8980	8311	9813	9777	11971	12985	14037	13317	12242	11002	9893	9005

16. As stated in the "Instructions for making Meteorological Observations etc." meteorological instruments forwarded by observers who regularly send their registers to the Observatory are verified here free of cost. During the past year 3 barometers, 3 anëroids and 7 thermometers were verified. In addition several hundred barometers and anëroids on board ship were compared with our standard.

17. The following table shows the spectroscopic rainband as observed daily at about 10 a. The mean value for the year was 2.1 :—

Table III.

Rainband in 1896.

Date.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1, ...	1	3	2	2	2	2	2	2	3	2	2	2
2, ...	0	1	2	2	2	3	2	2	2	2	2	2
3, ...	1	2	2	2	2	3	2	2	3	2	2	2
4, ...	2	4	4	2	2	3	3	3	2	2	2	1
5, ...	2	2	2	2	2	3	2	2	3	3	2	1
6, ...	2	2	2	2	3	2	2	2	3	4	2	0
7, ...	2	2	2	2	2	2	2	2	3	3	2	1
8, ...	2	2	2	2	2	3	3	2	2	3	2	0
9, ...	2	2	3	3	2	3	4	2	2	3	1	0
10, ...	1	2	4	3	2	4	2	2	2	3	1	1
11, ...	1	2	3	5	2	4	2	2	2	3	2	1
12, ...	2	3	3	3	2	3	2	2	2	3	2	0
13, ...	2	2	3	2	2	2	2	2	3	1	1	1
14, ...	2	4	2	3	2	2	2	2	3	2	2	1
15, ...	2	2	2	3	2	2	2	2	2	2	2	1
16, ...	2	2	2	2	2	2	2	2	4	2	1	1
17, ...	2	2	3	2	1	3	2	2	3	2	1	1
18, ...	2	2	2	2	1	3	2	2	3	2	1	1
19, ...	1	2	2	3	2	3	2	2	2	2	1	1
20, ...	1	2	3	2	2	3	2	2	2	1	1	2
21, ...	1	2	1	2	2	3	2	2	2	2	1	2
22, ...	2	2	1	2	3	3	2	2	2	2	1	1
23, ...	1	3	1	2	5	3	2	3	2	2	1	0
24, ...	2	2	2	2	2	2	2	2	2	1	1	0
25, ...	2	2	2	2	3	3	4	3	3	2	1	1
26, ...	3	3	2	2	3	2	3	3	2	2	2	1
27, ...	2	2	2	2	2	3	3	2	2	1	1	1
28, ...	2	5	2	2	2	2	2	3	2	1	1	1
29, ...	2	4	2	2	2	2	3	2	2	1	1	2
30, ...	2	...	2	2	2	2	2	3	2	1	1	2
31, ...	3	...	2	...	2	...	2	2	...	2	...	2
Mean,.....	1.7	2.4	2.2	2.3	2.2	2.7	2.3	2.2	2.4	2.1	1.4	1.1

18. Mr. PLUMMER observed 455 transits in 1896, and the axis of the transit instrument was levelled 170 times, or on each occasion when observations were made.—The rates of the standard clocks are shown in the following tables. Towards the end of April the rate of the standard sidereal clock having been greatly accelerated it was cleaned upon May 1, and after the lapse of a few weeks a steady rate was re-established. On August 4th the clock tripped 6 seconds owing to an irregularity in the length of the teeth of the wheel which makes the electrical contacts, and it was found necessary to file some of them slightly. On September 22 the action of the contact springs being again unsatisfactory they were cleaned and their surfaces polished, and advantage was taken of the opportunity to alter the rate of the clock. On December 17 the clock was found to have again tripped several seconds, and the adjustment of the springs was therefore altered, but on December 30 the clock was found to have stopped, the springs again pressing too closely upon the toothed wheel. This was remedied, and it is now expected that the going of the clock will be satisfactory.—The rate of the standard meantime clock was altered on May 29, and the arc having steadily diminished for some months, the clock was cleaned on November 12. It was found, however, to be in a satisfactory condition, and the change in the length of the arc was probably due to thickening of the oil in the dry weather.—The rates of both clocks have been compared with rates furnished by the formulæ at the head of the tables. The last rate given in Table IV. is the mean of six days only, December 22 to December 28. Table VI. shows the errors of the time-ball in 1896 The probable error was in January $0^s.13$, in February $0^s.19$, in March $0^s.20$, in April $0^s.25$, in May $0^s.12$, in June $0^s.12$, in July $0^s.09$, in August $0^s.14$, in September $0^s.16$, in October $0^s.16$, in November $0^s.13$ and in December $0^s.17$. There was no failure of the time-ball in 1896. On Government holidays it is not hoisted, and on 4 other days it was considered inadvisable to do so; namely, on April 11 during a severe thunderstorm, on August 9 and October 6 owing to strong easterly gales and on July 30 when, in consequence of the typhoon of the previous day, the line was in contact with other lines.

Table IV.

Rate of Dent Sidereal Standard Clock in 1896.

December 26-May 1 $r_c = -0^s.65 - 0^s.063\ (\tau - 70^\circ)$ [arc=3° 2½′±1′]

May 2-September 22 $r_c = +1^s.23 - 0^s.063\ (\tau - 70^\circ)$ [arc=2° 58′ ±2′]

September 23-December 30 $r_c = +0^s.43 - 0^s.063\ (\tau - 70^\circ)$ [arc=2° 59′ ±2′]

Period.	Observed rate r_o	Temp. τ	Calculated rate. r_c	$r_o - r_c$
	s.	°	s.	s.
December 26—January 5, ...	−0.30	65.1	−0.34	+0.04
January 5— „ 15, ...	−0.37	66.3	−0.42	+0.05
„ 15— „ 25, ...	−0.22	63.9	−0.26	+0.04
„ 25—February 4, ...	−0.25	63.3	−0.23	−0.02
February 4— „ 14, ...	−0.13	62.1	−0.15	+0.02
„ 14— „ 24, ...	+0.01	59.3	+0.02	−0.01
„ 24—March 5, ...	−0.13	63.2	−0.22	+0.09
March 5— „ 15, ...	−0.13	60.9	−0.10	−0.03
„ 15— „ 25, ...	−0.21	62.3	−0.16	−0.05
„ 25—April 4, ...	−0.28	64.4	−0.30	+0.02
April 4— „ 14, ...	−0.76	69.4	−0.61	(−0.15)
„ 14— „ 24, ...	−1.65	73.3	−0.86	(−0.79)
„ 24—May 4, ...	...	73.9	...	...
May 4— „ 14, ...	−0.29	72.8	+1.05	(−1.34)
„ 14— „ 24, ...	−0.58	77.5	+0.74	(−1.32)
„ 24—June 3, ...	−0.70	82.9	+0.42	(−1.12)
June 3— „ 13, ...	−0.19	81.4	+0.51	(−0.70)
„ 13— „ 23, ...	+0.22	82.8	+0.43	−0.21
„ 23—July 3, ...	+0.33	83.1	+0.40	−0.07
July 3— „ 13, ...	+0.40	83.9	+0.35	+0.05
„ 13— „ 23, ...	+0.28	86.2	+0.21	+0.07
„ 23—August 2, ...	+0.17	83.4	+0.38	−0.21
August 2— „ 12, ...	...	82.1	...	...
„ 12— „ 22, ...	+0.45	84.5	+0.32	+0.13
„ 22—September 1, ...	+0.47	84.4	+0.32	+0.15
September 1— „ 11, ...	+0.39	84.3	+0.33	+0.06
„ 11— „ 21, ...	+0.51	81.5	+0.51	0.00
„ 21—October 1, ...	...	83.4	...	...
October 1— „ 11, ...	−0.42	83.0	−0.39	−0.03
„ 11— „ 21, ...	−0.18	78.3	−0.09	−0.09
„ 21— „ 31, ...	−0.04	78.2	−0.09	+0.05
„ 31—November 10, ...	+0.14	74.8	+0.13	+0.01
November 10— „ 20, ...	+0.19	73.2	+0.23	−0.04
„ 20— „ 30, ...	+0.27	73.1	+0.23	+0.04
„ 30—December 10, ...	+0.69	64.4	+0.79	−0.10
December 10— „ 20, ...	+0.73	67.6	+0.58	+0.15
„ 20— „ 30, ...	+0.87	61.2	+0.98	−0.11
„ 30—January 9, ...	...	66.9	...	...

Table V.

Rate of Brock Standard Mean Time Clock in 1896.

Dec. 26—May 29.....$r_c = -1^s.98 - 0^s.120\ (\tau - 75°)$.

May 30—Nov. 12.....$r_c = -0^s.10 - 0^s.120\ (\tau - 75°)$.

Nov. 13—Jan. 9.....$r_c = +1^s.06 - 0^s.120\ (\tau - 75°)$.

Period.	Observed rate. r_o	Temp. τ	Arc. a	Calculated rate. r_c	$r_o - r_c$.
	s.	°	° ′ ″	s.	s.
December 26—January 5,.....	−1.18	68.7	4 14 30	−1.22	+0.04
January 5— „ 15,.....	−1.26	70.1	4 14 48	−1.39	+0.13
„ 15— „ 25,.....	−1.15	68.6	4 14 24	−1.21	+0.06
„ 25—February 4,.....	−1.32	68.5	4 14 18	−1.20	−0.12
February 4— „ 14,.....	−1.09	65.8	4 12 12	−0.88	−0.21
„ 14— „ 24,.....	−0.87	61.7	4 10 54	−0.38	−0.49
„ 24—March 5,.....	−0.97	66.4	4 10 12	−0.94	−0.03
March 5— „ 15,.....	−0.88	64.6	4 9 42	−0.73	−0.15
„ 15— „ 25,.....	−1.05	67.0	4 8 54	−1.02	−0.03
„ 25—April 4,.....	−1.23	70.2	4 9 30	−1.40	+0.17
April 4— „ 14,.....	−1.68	74.4	4 9 18	−1.90	+0.22
„ 14— „ 24,.....	−1.98	77.3	4 12 0	−2.25	+0.27
„ 24—May 4,.....	−2.18	77.1	4 12 54	−2.24	+0.06
May 4— „ 14,.....	−1.93	75.9	4 12 24	−2.09	+0.16
„ 14— „ 24,.....	−2.16	79.1	4 10 48	−2.48	+0.32
„ 24—June 3,.....	.....	82.8	.....	.....	.....
June 3— „ 13,.....	−0.66	81.4	4 5 30	−0.86	+0.20
„ 13— „ 23,.....	−1.12	82.6	4 4 48	−1.01	−0.11
„ 23—July 3,.....	−1.40	82.5	4 3 6	−1.00	−0.40
July 3— „ 13,.....	−1.06	83.5	4 2 36	−1.11	+0.05
„ 13— „ 23,.....	−1.01	84.8	4 4 18	−1.28	+0.27
„ 23—August 2,.....	−1.12	83.8	4 4 0	−1.15	+0.03
August 2— „ 12,.....	−0.99	84.1	4 3 18	−1.19	+0.20
„ 12— „ 22,.....	−1.05	86.0	4 3 30	−1.42	+0.37
„ 22—September 1,.....	−1.01	84.9	4 2 36	−1.29	+0.28
September 1— „ 11,.....	−1.07	84.0	4 2 0	−1.18	+0.11
„ 11— „ 21,.....	−1.03	81.9	4 2 24	−0.92	−0.11
„ 21—October 1,.....	−1.07	83.1	4 1 24	−1.08	+0.01
October 1— „ 11,.....	−1.24	83.4	4 2 36	−1.11	−0.13
„ 11— „ 21,.....	−0.88	78.7	4 0 54	−0.55	−0.33
„ 21— „ 31,.....	−0.80	77.9	4 1 12	−0.45	−0.35
„ 31—November 10,.....	−0.45	77.2	3 59 12	−0.37	−0.08
November 10— „ 20,.....	.....	75.5	.....	.....	.....
„ 20— „ 30,.....	+1.03	76.1	4 11 48	+0.93	+0.10
„ 30—December 10,.....	+1.53	69.5	4 13 30	+1.72	−0.19
December 10— „ 20,.....	+1.46	72.6	4 12 0	+1.35	+0.11
„ 20— „ 30,.....	+1.83	68.6	4 6 6	+1.83	+0.00
„ 30—January 9,.....	+1.36	72.1	4 9 42	+1.40	−0.04

Table VI.

Errors of Time-Ball in 1896.

— means too late. + means too early.

Date.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.
1	...	+0.3	−0.5	0.1	0.1	−0.2	0.1	0.1	0.1	+0.2	0.1	0.1
2	...	+0.3	−0.4	0.1	0.1	−0.2	0.1	0.1	0.1	0.1	−0.2	+0.2
3	+0.4	+0.4	0.1	...	0.1	−0.3	0.1	...	0.1	0.1	0.1	+0.3
4	0.1	+0.4	0.1	+0.3	0.1	0.1	0.1	−0.4	0.1	0.1	0.1	−0.2
5	−0.3	0.1	0.1	...	0.1	0.1	0.1	−0.5	0.1	−0.2	0.1	−0.4
6	−0.3	−0.3	+0.2	...	+0.2	−0.2	0.1	−0.6	0.1	...	0.1	−1.0
7	0.1	−0.4	+0.3	+0.5	+0.3	0.1	0.1	−0.4	0.1	0.1	0.1	0.1
8	+0.2	−0.3	+0.5	+0.3	+0.2	0.1	0.1	0.1	0.1	+0.3	0.1	−0.2
9	0.1	−0.2	+0.5	+0.3	+0.3	−0.2	0.1	...	+0.5	+0.6	0.1	0.1
10	0.1	−0.2	+0.5	+0.6	0.1	−0.2	0.1	0.1	+0.2	0.1	+0.2	0.1
11	0.1	−0.2	+0.5	...	0.1	0.1	0.1	0.1	0.1	−0.2	0.1	0.1
12	0.1	−0.2	+0.5	+1.4	0.1	0.1	0.1	0.1	0.1	−0.5	+0.2	0.1
13	0.1	...	+0.6	+1.4	0.1	−0.2	0.1	0.1	0.1	−0.6	+0.3	−0.2
14	0.1	−0.3	+0.4	+0.3	0.1	0.1	0.1	0.1	+0.2	0.1	+0.3	−0.2
15	0.1	−0.2	+0.2	+0.2	0.1	−0.2	0.1	0.1	−0.2	−0.2	+0.4	−0.2
16	0.1	−0.2	+0.2	0.1	0.1	0.1	0.1	0.1	−0.3	0.1	+0.3	−0.3
17	0.1	−0.3	0.1	0.1	+0.2	0.1	0.1	+0.2	−0.4	0.1	0.1	0.1
18	0.1	−0.2	0.1	0.1	+0.3	0.1	0.1	0.1	−0.5	+0.2	−0.2	0.1
19	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	−0.7	0.1	−0.2	0.1
20	−0.2	0.1	+0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	−0.3	−0.2
21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	+0.3	−0.4	0.1	−0.2
22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	−0.2
23	0.1	0.1	0.1	0.1	0.1	−0.2	0.1	−0.2	0.1	−0.2	0.1	0.1
24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	...	0.1	0.1	0.1	0.1	0.1	0.1	...
26	+0.2	0.1	−0.2	+0.2	+0.2	0.1	0.1	0.1	0.1	0.1	0.1	...
27	+0.3	−0.2	0.1	+0.2	+0.3	0.1	+0.2	0.1	0.1	0.1	0.1	+0.2
28	0.1	−0.3	0.1	+0.3	...	+0.2	0.1	+0.2	+0.2	0.1	0.1	0.1
29	0.1	−0.4	0.1	+0.3	0.1	+0.2	0.1	0.1	0.1	0.1	0.1	0.1
30	+0.2	...	−0.2	0.1	0.1	0.1	...	0.1	0.1	0.1	0.1	+0.2
31	+0.2	...	0.1	...	0.1	...	0.1	0.1	...	0.1	...	+0.3

19. For the determination of the latitude of the Colony and of the changes to which it may be subject a catalogue of upwards of 200 Hongkong zenith-stars based upon the latest and best observations made in a number of European observatories was constructed. In such work Mr. PLUMMER's assiduity and scrupulous accuracy in astronomical calculations do excellent service. Since the 28th September 510 observations of pairs of stars have been made with the transit-instrument after Talcott's method by Mr. PLUMMER and myself.

20. The time would appear to have come when this Observatory should be supplied with a larger transit-circle, the same as used in all the other observatories. Such is required for the local time-service, for determinations of geographical positions in the Far East, and for many other important purposes.

21. In October last Dr. WITTRAM of the Imperial Observatory, Pulkovo, near St. Petersburg, called at Hongkong and determined with great care the constant of gravity at this Observatory by aid of Colonel VON STERNECK's pendulums. On three different occasions lately officers of three different Austrian men-of-war have made similar observations here, so that the constant of gravity relatively to Vienna will be known with great accuracy.

22. The cisterns of the barograph and standard barometers are placed 109 feet above M.S.L. The bulbs of the thermometers are rotated 108 feet above M.S.L., and 4 feet above the grass. The solar radiation thermometer is placed at the same height. The rim of the rain-gauge is 105 feet above M.S.L., and 21 inches above the ground.

23. 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 temperature of the air and of evaporation as determined by aid of rotating thermometers. Table II. exhibits also the extreme temperatures reduced to rotating thermometer. Table III. exhibits also the solar radiation (black bulb in vacuo) maximum temperatures reduced to Kew arbitrary standard.

Table IV. exhibits the mean relative humidity in percentage of saturation and mean tension of water vapour present in the air in inches of mercury, for every hour of the day and for every day of 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 (or dew) in inches registered from half an hour before to half an hour after the hour named. It exhibits also the estimated duration of rain.

Table VII. exhibits the velocity of the wind in miles and its direction in points (1—32). The velocity is measured from half an hour before to half an hour after the hour named, but the direction is read off at the hour.

Table VIII. exhibits the amount (0—10), name (Howard's classification) 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. With regard to the names of clouds, nimbus (nim) is only entered when the rain is seen to fall; when no rain is seen to fall cumulo-nimbus (cum-nim) is entered, and this name is also used to indicate clouds intermediate between cumulus and nimbus. Cumulo-stratus (cum-str) is the well known thunder cloud, and strato-cumulus (str-cum) signifies a cloud intermediate between stratus and cumulus.

Table IX. exhibits for every hour in the day the mean velocity of the wind reduced to 4 as well as 2 directions, according to strictly accurate formulæ, and also the mean direction of the wind.

Below this is printed a list of the phenomena observed.

24. The following annual Weather Report for 1896 is arranged as follows:—

Table VII. exhibits the mean values for the year (or hourly excess above this) obtained from the monthly reports. The total duration of rain was 1020 hours. There fell at least 0.01 inch of rain on 154 days.

Table VIII. exhibits the number of hours during a portion of which at least 0.005 inch of rain (or dew) was registered.

Table IX. exhibits the number of days with wind from eight different points of the compass. The figures are obtained from the mean daily directions in Table VII. of the monthly reports. Days, with wind from a point equi-distant from two directions given, are counted half to one of these and half to the other, *e.g.*, half of the days when the wind was NNE are counted as N, and the other half as NE.

Table X. exhibits the number of days on which certain meteorological phenomena were registered and also the total number of thunderstorms noted in the neighbourhood during the past year.

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

Table XII. is arranged as last year.

Table XIII. exhibits the monthly and annual extremes. The extremes of humidity and vapour tension are only approximate as the hourly values are not calculated.

Table XV., XVI., XVII. contain magnetic observations.

25. Observations of magnetic declination and horizontal force were made by Mr. PLUMMER and reduced by Mr. FIGG with the unifilar magnetometer Elliott Brothers, No. 55, and the dips were observed with dip-circle, Dover No. 71.

The methods adopted in making the observations and in determining and applying the corrections are explained in *Appendix G. of Observations and Researches made in 1885:* "On the verification of the unifilar magnetometer Elliot Brothers No 55." The value of log π^2 K was 3 44920 at 25°. The value of P was + 5.042. The mean value of the magnetic moment of the vibrating needle was 0.45070 in English units and 588.42 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 (one centimeter, one gramme, one second), but the monthly synopsis exhibits X the horizontal, as well as Y, the vertical, and total force, which have been computed by all of the observed dips, and their values are also given in English units (one foot, one grain, one second) and in Gauss's units (one millimeter, one milligram, one second).

I have the honour to be,

Sir,

Your most obedient Servant,

W. DOBERCK,
Director.

The Honourable
THE COLONIAL SECRETARY,
&c., &c., &c.

Table VII.

Mean Values and Hourly Excess above the Mean of Meteorological Elements in 1896.

	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.	Mid	Mean or Total.
Pressure,	+.003	—.007	—.017	—.019	—.014	+.001	+.016	+.030	+.041	+.042	+.035	+.015	—.007	—.026	—.039	—.043	—.038	—.029	—.015	+.001	+.014	+.021	+.020	+.013	29.847
Temperature,	— 1.3	— 1.5	— 1.7	— 1.8	— 2.0	— 1.9	— 1.3	— 0.4	+ 0.6	+ 1.4	+ 2.0	+ 2.4	+ 2.5	+ 2.5	+ 2.1	+ 1.6	+ 0.9	+ 0.2	— 0.2	— 0.5	— 0.6	— 0.8	— 1.0	— 1.1	72.0
Diurnal Range,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8.0
Humidity,	+ 4	+ 5	+ 5	+ 5	+ 5	+ 5	+ 3	0	— 2	— 5	— 6	— 6	— 7	— 7	— 6	— 5	— 3	— 1	0	+ 2	+ 2	+ 3	+ 3	+ 4	80
Vapour Tension,	+.006	+.006	+.004	+.002	—.001	—.002	—.001	—.005	—.004	—.007	—.006	—.002	—.001	—.003	—.007	—.003	—.003	—.003	—.001	+.003	+.005	+.006	+.008	+.009	0.656
Sunshine (Total),	...	...	...	...	...	8.5	81.3	142.0	164.5	179.0	185.2	188.6	191.6	179.8	175.5	154.3	102.2	16.7	...	...	...	...	...	...	1769.2
Rainfall, (Total).	3.230	1.400	2.675	3.000	5.510	3.580	5.410	3.980	3.430	2.745	2.250	3.110	3.400	4.245	5.125	2.685	3.120	3.375	2.495	2.480	1.690	1.385	1.060	1.400	72.780
Hours of Rain (Total),	40	41	46	58	50	57	53	45	56	35	37	34	43	39	35	44	38	42	42	39	44	34	34	40	1026
Intensity of Rain,	0.081	0.034	0.058	0.052	0.110	0.063	0.102	0.088	0.061	0.078	0.061	0.091	0.079	0.109	0.146	0.061	0.082	0.080	0.059	0.064	0.038	0.041	0.031	0.035	0.071
Wind-Velocity,	— 0.7	— 0.8	— 0.5	— 0.9	— 1.0	— 1.1	— 0.6	+ 0.2	+ 0.6	+ 1.0	+ 1.7	+ 1.9	+ 1.8	+ 1.6	+ 1.4	+ 0.7	+ 0.2	— 0.4	— 0.8	— 1.3	— 0.7	— 1.1	— 0.7	— 0.8	14.3
Wind-Direction,	— 3°	— 2°	— 2°	— 4°	— 2°	— 3°	— 3°	— 4°	— 2°	+ 2°	+ 3°	+ 3°	+ 6°	+ 7°	+ 7°	+ 6°	+ 6°	+ 2°	— 2°	— 3°	— 5°	— 4°	— 4°	— 2°	E 1° S
Cloudiness,	— 0	...	...	+ 2	...	...	+ 3	...	...	+ 2	...	...	0	...	...	0	...	...	— 2	...	...	— 5	...	...	71
Solar Radiation,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	125.3
Excess of do. do.,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	48.8

Table VIII.

Number of Hours during portion of which it rained for each Month in the Year 1896.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Total.
January,	1	4	4	3	4	2	3	2	3	1	3	2	1	1	1	1	...	3	3	3	2	3	2	3	55
February,	11	11	13	12	11	12	9	6	10	8	9	5	3	4	3	8	7	9	10	5	8	7	7	9	197
March,	5	2	2	4	3	3	3	1	2	2	1	1	4	3	5	5	4	4	5	3	4	3	2	3	74
April,	2	2	1	1	1	1	...	...	1	...	2	1	2	2	1	2	1	3	2	6	5	3	2	1	42
May,	2	3	1	4	3	2	4	2	2	2	2	1	2	2	1	2	2	2	2	2	4	3	2	2	54
June,	4	6	5	5	4	7	10	9	11	6	6	8	9	8	7	7	5	3	4	4	5	3	2	4	142
July,	2	2	6	10	9	10	7	5	7	7	5	4	7	5	5	4	3	6	6	5	4	2	7	4	132
August,	1	1	2	5	1	4	3	2	5	2	4	4	3	4	2	2	1	2	2	1	3	...	1	2	57
September,	3	2	2	5	5	6	6	7	7	5	4	6	5	5	4	4	5	4	2	3	2	2	3	4	101
October,	4	4	4	4	3	5	5	4	2	2	1	1	4	2	3	3	6	4	3	4	4	4	3	3	82
November,	3	2	4	4	4	3	1	4	4	...	...	1	2	2	2	4	3	1	1	2	2	3	2	4	58
December,	2	2	2	1	2	2	2	3	2	...	...	...	1	1	1	2	1	1	2	1	1	1	1	1	32
Total,	40	41	46	58	50	57	53	45	56	35	37	34	43	39	35	44	38	42	42	39	44	34	34	40	1026

Table IX.

Number of Days with Wind from eight different points of the Compass during each Month of the Year 1896.

Month.	N.	NE.	E.	SE.	S.	SW.	W.	NW.
January,	1	5	23	1	1	...	...	...
February,	9	7	12	...	...	...	...	1
March,	1	5	23	1	...	...	...	1
April,	...	...	25	2	2	...	...	1
May,	...	1	19	1	4	4	1	1
June,	...	...	10	8	3	9	...	...
July,	...	1	7	7	8	4	4	...
August,	...	...	16	5	2	5	2	1
September,	...	1	18	2	4	3	2	...
October,	6	5	14	1	1	...	1	3
November,	2	4	22	1	...	...	1	...
December,	8	5	18	...	...	...	...	...
Sums,	27	34	207	29	25	25	11	8

Table X.

Total Number of Days on which different Meteorological Phenomena were noted and Total Number of Thunderstorms during each Month of the Year 1896.

Month.	Fog.	Electric Phenomena.	Lightning.	Thunder.	Thunder-storms.	Unusual Visibility.	Dew.	Rainbow.	Lunar Halo.	Lunar Corona.	Solar Halo.	Solar Corona.
January,	6	...	...	...	...	...	1	...	2	2	1	...
February,	4	...	...	...	...	...	...	1	...	...	...	...
March,	12	2	2	2	1	...	2	...	1	3	...	...
April,	11	9	9	9	7	...	2	...	...	...	1	...
May,	...	4	4	...	...	1	4	1	1	2	3	...
June,	4	22	22	10	5	4	9	5	5	4	7	...
July,	3	19	19	8	2	...	10	5	17	13	15	2
August,	5	22	22	2	1	2	15	4	10	8	10	1
September,	5	12	11	5	2	...	14	3	5	4	3	...
October,	1	6	6	1	...	1	3	1	5	4	1	...
November,	...	...	...	...	...	1	7	...	...	2	2	1
December,	2	...	...	...	...	...	5	...	...	1	...	...
Sums,	53	96	95	37	18	9	72	20	46	43	43	4

Table XI.

Total Number of Times that Clouds of different forms were observed in each Month of the Year 1896.

Month.	c.	c-str.	c-cum.	sm-cum.	cum.	cum-str.	str.	R-cum.	cum-nim.	nim.
January,	...	8	18	53	98	...	48	4	9	18
February,	...	...	2	20	60	...	58	5	20	87
March,	...	...	5	21	88	...	63	8	4	57
April,	1	...	6	40	122	2	58	13	17	20
May,	...	6	32	46	140	...	16	11	12	25
June,	...	25	67	28	168	1	14	9	15	37
July,	1	61	70	21	171	...	6	8	17	27
August,	...	43	85	26	180	...	4	1	10	10
September,	...	10	76	18	149	2	7	...	14	25
October,	...	11	31	61	153	...	5	3	10	25
November,	...	5	19	52	152	...	13	1	11	20
December,	...	...	4	49	86	...	18	1	6	16
Sums,	2	169	415	435	1567	5	310	64	145	367

Table XII.

Month.	Barometric Tide.	Mean Diurnal Variability of Temperature.	Weight of Water Vapour in Troy Grains in each cubic foot of Air.	Rainfall.		Hourly Intensity of Rain.	Mean Direction of Clouds whence coming.			Number of Days with Clouds below	
				Mean.	1896.		Lower.	Upper.	Cirrus.	2,000 ft.	1,000 ft.
January, ...	0.097	2°.26	4.65	0.98	1.730	0.028	E 1° N	W 13° S	...	12	6
February, ...	0.099	2 .06	4.31	1.32	7.945	0.033	E 11° N	W 12° S	...	19	12
March, ...	0.103	2 .63	4.98	3.24	1.445	0.010	E 6° S	W 35° S	...	16	11
April, ...	0.084	1 .76	7.17	5.27	2.100	0.039	E 32° S	W 18° S	W	27	12
May, ...	0.078	1 .50	7.64	12.54	1.150	0.017	S 35° E	W 26° N	. .	14	4
June, ...	0.062	1 .08	9.40	15.81	18.630	0.202	S 3° E	W 31° N	...	12	7
July, ...	0.074	1 .12	9.76	15.98	12.420	0.157	S 15° E	E 19° N	E	15	0
August, ...	0.078	0 .82	9.39	14.85	5.195	0.168	E 44° S	E 37° N	...	11	3
September, ...	0.078	0 .86	9.05	12.65	9.995	0.143	E 15° S	E 46° N	...	6	3
October, ...	0.091	1 .37	7.51	5.36	7.905	0.111	E 8° N	E 17° N	...	3	1
November, ...	0.091	1 .23	6.37	1.17	2.975	0.044	E 3° S	W 28° S	...	6	5
December, ...	0.104	2 .95	4.25	1.00	1.290	0.026	E 11° S	W 5° S	...	7	2
Mean, ...	0.087	1 .64	7.04	90.17	72.780	0.081	E 26° S	...	...	148	66

Table XIII.

Monthly Extremes of the Principal Meteorological Elements registered during the year 1896.

Month.	Barometer.		Temperature.		Humidity.	Vapour Tension.		Rain.		Wind Velocity.	Radiation.
	Max.	Min.	Max.	Min.	Min.	Max.	Min.	Daily Max.	Hourly Max.	Max.	Sun Max.
January, ...	30.280	29.722	77.7	51.6	20	0.633	0.103	0.850	0.500	43	135.8
February, ...	.284	.791	68.7	43.2	45	0.561	0.225	2.185	0.525	40	122.4
March, ...	.227	.660	77.0	45.9	62	0.705	0.237	0.630	0.175	48	129.6
April, ...	.049	.590	82.2	58.5	58	0.881	0.396	0.850	0.320	37	146.7
May, ...	29.963	.512	90.5	66.6	42	0.964	0.392	0.540	0.150	38	151.1
June, ...	.835	.481	91.1	73.7	62	1.038	0.745	3.000	1.835	36	149.8
July, ...	.808	28.762	94.0	75.3	50	1.118	0.687	2.670	0.990	108	147.6
August, ...	.822	29.407	91.1	76.0	59	0.987	0.693	1.530	0.800	66	151.5
September, ...	.894	.490	90.6	75.8	49	1.029	0.584	2.635	0.885	37	152.4
October, ...	30.057	.368	91.4	65.0	38	0.950	0.323	5.215	0.840	66	152.4
November, ...	.100	.689	79.6	61.7	45	0.840	0.338	1.100	0.490	44	145.5
December, ...	.444	.866	76.5	40.7	16	0.689	0.057	0.755	0.210	45	138.8
Year, ...	30.444	28.762	94.0	40.7	16	1.118	0.057	5.215	1.835	108	1524.

Table XIV.

Five-Day Means of the Principal Meteorological Elements observed at Hongkong in 1896.

Five-Day Periods.	Barometer.	Temperature.	Humidity.	Vapour Tension.	Wind Velocity.	Nebulosity.	Sunshine.	Rain.
January 1– 5	30.089	62.0	63	0.355	10.1	7.3	5.1	8 800
" 6–10	29.977	64.7	78	0.472	11.2	2.5	8.8	0.000
" 11–15	30.019	63.7	78	0.457	19.0	3.3	2.7	0.006
" 16–20	.056	60.2	74	0.391	14.2	8.6	3.3	0.019
" 21–25	.127	60.8	72	0.390	11.3	7.1	4.4	0.012
" 26–30	29.952	61.2	86	0.471	19.3	8 7	2.5	0.178
" 31– 4	.996	58.9	85	0.424	13.8	9.6	0.7	0.571
February 5– 9	.957	58.1	90	0.440	17.7	9.9	0.2	0.117
" 10–14	30.093	52.6	82	0.326	10.6	10.0	0.0	0.160
" 15–19	.120	52.0	78	0.301	8.5	9.3	1.5	0.276
" 20–24	.067	55.8	82	0.372	11.0	9.9	0.5	0.323
" 25– 1	29.968	59.3	90	0.461	21.5	9.7	0 7	0.154
March 2– 6	.994	58.1	86	0.415	19.2	7.6	3.6	0.063
" 7–11	.969	55.4	90	0.395	15.7	10.0	0.0	0.149
" 12–16	.872	58.4	92	0.452	23.3	10.0	0.1	0.064
" 17–21	.881	60.2	91	0.492	17.6	9.8	1.1	0.009
" 22–26	30.076	58.6	79	0.395	11.9	9.1	1.2	0.000
" 27–31	29.906	65.8	90	0.571	14 9	6.8	5.5	0.004
April 1– 5	.910	62.4	86	0.483	23.3	9.8	1.0	0.027
" 6–10	.744	70.2	93	0.685	9.9	9.9	0.3	0.201
" 11–15	.681	75.2	88	0.770	13 4	9.5	1.8	0.174
" 16–20	.793	70.6	94	0.705	19.5	9.7	0.2	0.010
" 21–25	.929	73.1	83	0 674	15.8	5.0	8.6	0.000
" 26–30	.851	73.4	81	0.669	19.9	9.2	3.5	0.008
May 1– 5	.880	71.2	86	0.659	22.3	9.6	0.9	0.040
" 6–10	.852	71.4	75	0.580	17.3	7.7	4.2	0.121
" 11–15	.812	73.7	77	0.643	17.1	6.3	6.0	0.026
" 16–20	.642	76.4	71	0.648	7.9	1.8	10.3	0.000
" 21–25	.694	79.1	85	0.849	18.1	8.4	4.0	0.041
" 26–30	.760	82.4	79	0.878	10.1	6.3	7.7	0.002
" 31– 4	.697	80.8	82	0.863	7.3	6.3	5.4	0.512
June 5– 9	.676	80.5	86	0.892	11.2	7.6	4.9	0.442
" 10–14	.719	79.3	87	0.866	6.6	6.6	4.8	0.677
" 15–19	.723	81.2	82	0.872	10.6	6.7	6.1	0.414
" 20–24	.606	81.8	84	0.911	15.2	8.7	4.5	1.222
" 25–29	.677	81.1	85	0.901	15.6	8.7	3.4	0.458
" 30– 4	.674	82.8	81	0.906	9.2	7.0	8.0	0.131
July 5– 9	.617	82.2	79	0.870	14.1	5.5	7.0	0.575
" 10–14	.684	83.3	79	0.902	8.4	5.6	9.7	0.039
" 15–19	.650	84.0	80	0.935	5.4	4.8	9.7	0.017
" 20–24	.412	85.2	81	0.991	7.7	6.6	7.7	0.099
" 25–29	.453	81.2	88	0.941	22.6	8.9	2.6	1.452
" 30– 3	.699	80.7	85	0.890	20.4	6.4	6.4	0.183
August 4– 8	.725	81.7	82	0.885	13.9	5.2	7.0	0.228
" 9–13	.634	81.7	81	0.876	18.8	6.5	7.9	0.369
" 14–18	.593	83.9	76	0.888	5.9	4.4	10.1	0.000
" 19–23	.708	83.2	79	0.901	10.8	7.0	8.6	0.097
" 24–28	.639	81.4	82	0.877	6.2	6.5	6.1	0.334
" 29– 2	.614	83.4	81	0.924	9.2	5.0	8.5	0.298
September 3– 7	.654	83.1	79	0.901	5.8	6.7	6.1	0.287
" 8–12	.682	81.0	71	0.755	9.6	3.1	8.8	0.005
" 13–17	.736	79.8	81	0.823	26.4	9.2	0.7	1.059
" 18–22	.756	80.8	81	0.853	12.6	5.4	7.2	0.178
" 23–27	.807	81.6	83	0.895	7.3	4.8	7.7	0.172
" 28– 2	.788	82.9	77	0.869	10.2	2.8	9.2	0.000
October 3– 7	.613	82.5	78	0.862	25.6	7.0	5.3	1.411
" 8–12	.708	77.5	78	0.738	11.7	7.5	3.7	0.029
" 13–17	.939	76.4	71	0.651	15.0	4.9	8.0	0.001
" 18–22	.972	76.5	71	0.651	10.8	6.0	6.4	0.035
" 23–27	.954	77.0	74	0.688	13.5	5.3	7.3	0.000
" 28– 1	.958	73.8	66	0.550	12 5	6.3	4.5	0.042
November 2– 6	.975	73.5	76	0.633	22.0	7.7	2.5	0.023
" 7–11	30.008	73.6	74	0.611	19.6	5.8	6.6	0.000
" 12–16	29.922	71.5	74	0 578	20.0	7.5	3.4	0.160
" 17–21	.957	69.6	69	0 499	7.2	4.8	7.9	0.000
" 22–26	.822	71.8	81	0.633	13.9	5.7	4.8	0.224
" 27– 1	.958	69.4	82	0.589	25.8	9.6	1.6	0.203
December 2– 6	30.169	60.0	55	0.309	15.1	3.9	5.8	0.239
" 7–11	.122	61 7	57	0.326	12.8	3.5	8.5	0.000
" 12–16	.064	66.9	76	0.562	13.2	2.8	8.1	0.000
" 17–21	29.982	66.3	83	0.540	17.1	8.1	3.4	0.004
" 22–26	30.243	55.8	49	0.246	14.9	5.8	5.5	0.000
" 27–31	.123	61.7	65	0.357	14.3	8.7	2.0	0.000

Table XV.

Observations of Magnetic Declination and Dip.

1896.	H.K.M.T.	Declination East.	Observer.	H.K.M.T.	Dip North.	Needle No.	Observer.
February, ...	11d. 2h. 33m. p.	0° 27′ 21″	J.I.P.	12d. 3h. 24m. p.	31° 42′.66	3	J.I.P.
	12 4 32 p.	26 38	"	.....	43 .44	4	"
	14 2 25 p.	28 22	"	14 3 57 p.	42 .38	3	"
	15 2 45 p.	28 44	"	.....	43 .75	4	"
April, ...	13 4 28 p.	26 49	"	13 3 21 p.	40 .19	3	"
	.....	.....	"	.....	42 .19	4	"
	14 4 23 p.	26 36	"	14 3 18 p.	40 .35	3	"
	16 2 32 p.	24 49	"	.....	40 .50	4	"
	17 2 40 p.	24 25	"	16 4 0 p.	39 .82	3	"
	20 2 35 p.	24 55	"	.....	41 .10	4	"
June, ...	15 4 38 p.	26 46	"	15 3 28 p.	41 .78	3	"
	17 2 39 p.	25 18	"	.....	43 .06	4	"
	18 2 49 p.	25 34	"	17 4 7 p.	41 .07	3	"
	19 2 40 p.	25 43	"	.....	41 .63	4	"
August, ...	17 2 56 p.	24 11	"	17 4 22 p.	39 .03	3	"
	18 3 3 p.	24 29	"	.....	39 .63	4	"
	19 3 35 p.	25 01	"	20 3 32 p.	39 .69	3	"
	20 4 29 p.	26 18	"	.....	41 .28	4	"
October, ...	12 4 23 p.	25 54	"	12 3 19 p.	43 .19	3	"
	14 2 43 p.	25 13	"	.....	43 .81	4	"
	15 2 57 p.	25 51	"	14 4 10 p.	41 .10	3	"
	16 2 51 p.	25 03	"	.....	42 .00	4	"
December, ...	14 4 23 p.	25 51	"	14 3 24 p.	40 .85	3	"
	16 2 40 p.	27 32	"	.....	40 .16	4	"
	17 4 12 p.	27 20	"	17 3 16 p.	39 .66	3	"
	18 2 48 p.	25 06	"	.....	39 .69	4	"

Table XVI.

Observations of Horizontal Magnetic Force.

Date.	H.K.M.T.	Time of one Vibration.	Temperature Cent.	Log m X.	Value of m.	H.K.M.T.	Distance in Centimetres.	Temperature Cent.	Deflection.	Log $\frac{m}{X}$	Observer.
1896.											
February, ...	13d. 3 16m. p.	3 .6195	14.1	2.33205	589.01	13 2 39 p.	40	14°.85	2° 53′ 11″	3.20820	J.I.P.
							30		6 52 20		
	18 2 35 p.	3 .6194	14.2	2.33215	590.00	18 3 35 p.	40	14 .4	2 53 56	3.20954	"
							30		6 53 15		
April, ...	15 3 27 p.	3 .6277	25.1	2.33150	587.98	15 2 46 p.	40	25 .0	2 51 49	3.20722	"
							30		6 49 40		
						4 20 p.	40		2 52 12		
							30		6 50 04		
June, ...	16 3 31 p.	3 .6311	31.1	2.33221	588.37	16 2 49 p.	40	31 .1	2 51 16	3.20710	"
							30		6 48 19		
						4 24 p.	40		2 51 43		
							30		6 48 55		
August, ...	21 3 20 p.	3 .6383	32.0	2.33069	588.22	21 2 44 p.	40	32 .35	2 52 01	3.20839	"
							30		6 49 40		
						4 05 p.	40		2 51 51		
							30		6 49 21		
October, ...	13 3 26 p.	3 .6325	27.9	2.33123	588.59	13 2 53 p.	40	27 .45	2 52 26	3.20839	"
							30		6 49 49		
						4 12 p.	40		2 52 36		
							30		6 50 10		
December, ...	15 3 12 p.	3 .6287	22.8	2.33141	587.87	15 2 36 p.	40	22 .9	2 51 54	3.20716	"
							30		6 49 29		
						4 02 p.	40		2 52 35		
							30		6 50 22		

Table XVII.

Results of Magnetic Observations in 1896.

Month.	Declination East.	Dip North.	MAGNETIC FORCE.								
			English Units.			Metric Units.			C. G. S. Units.		
			X.	Y.	Total.	X.	Y.	Total.	X.	Y.	Total.
February, ...	0° 27′ 46″	31° 43′ 04″	7.9037	4.8848	9.2913	3.6413	2.25[illegible]3	4.2841	0.36413	0.22523	0.42841
April, ...	25 31	40 41	7.9133	4.8831	9.2987	3.6487	2.2515	4.2875	0.36487	0.22515	0.42875
June, ...	25 50	41 53	7.9208	4.8916	9.3096	3.6522	2.2554	4.2925	0.36522	0.22554	0.42925
August, ...	25 00	39 55	7.8953	4.8697	9.2762	3.6404	2.2453	4.2771	0.36404	0.22453	0.42771
October, ...	25 30	42 31	7.9002	4.8809	9.2865	3.6427	2.2505	4.2818	0.36427	0.22505	0.42818
December, ...	26 27	40 05	7.9130	4.8810	9.2974	3.6485	2.2506	4.2869	0.36485	0.22506	0.42869
Year, ...	0 26 01	31 41 21	7.9077	4.8818	9.2933	3.6461	2.2509	4.2850	0.36461	0.22509	0.42850

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JANUARY, 1896.

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,...	30.104	30.116	30.102	30.098	30.100	30.126	30.124	30.142	30.164	30.165	30.146	30.111	30.059	30.038	30.044	30.055	30.062	30.078	30.087	30.104	30.104	30.109	30.100	30.108	30.102
" 2,...	.125	.104	.098	.082	.093	.106	.125	.131	.158	.154	.163	.125	.099	.083	.075	.079	.085	.093	.111	.112	.110	.090	.093	.084	.107
" 3,...	.068	.063	.060	.041	.038	.065	.064	.076	.102	.098	.098	.061	.020	.010	29.998	29.998	.015	.037	.054	.055	.071	.068	.060	.064	.053
" 4,...	.061	.079	.058	.069	.087	.091	.108	.107	.127	.130	.124	.102	.079	.064	30.054	30.062	.064	.086	.109	.139	.136	.128	.136	.125	.097
" 5,...	.112	.107	.088	.085	.083	.107	.112	.128	.138	.135	.107	.084	.053	.040	.042	.044	.062	.063	.070	.080	.078	.071	.065	.066	.084
" 6,...	.060	.044	.025	.034	.048	.048	.062	.075	.086	.074	.053	.013	29.985	29.969	29.954	29.966	29.973	29.998	.008	.017	.016	.004	29.991	29.982	.020
" 7,...	29.984	29.981	29.972	29.972	29.979	29.992	.014	.040	.057	.047	.037	.004	.965	.948	.937	.948	.956	.966	29.988	.000	.001	29.990	.972	.973	29.988
" 8,...	.970	.966	.977	.985	.993	30.019	.025	.051	.060	.058	.049	.021	.984	.964	.950	.944	.953	.949	.968	29.988	29.988	.982	.961	.965	.990
" 9,...	.963	.944	.932	.920	.930	29.941	29.940	29.957	29.978	29.970	29.975	29.955	.931	.914	.905	.907	.907	.911	.926	.932	.944	.950	.942	.943	.938
" 10,...	.946	.936	.922	.918	.922	.924	.966	.979	.996	.989	.993	.975	.934	.912	.903	.906	.912	.923	.936	.972	.992	.988	.997	.984	.951
" 11,...	.985	.993	.988	.995	.995	30.017	30.048	30.074	30.093	30.098	30.089	30.056	30.038	30.024	30.016	30.013	30.012	30.021	30.040	30.054	30.065	30.065	30.058	30.050	30.037
" 12,...	30.046	30.035	30.034	30.022	30.031	.045	.053	.072	.098	.097	.090	.059	.031	.006	29.980	29.973	29.984	29.993	.014	.031	.024	.027	.028	.025	.033
" 13,...	.017	.011	29.990	29.982	29.992	.001	.001	.019	.034	.034	.036	.008	29.978	29.945	.930	.943	.945	.944	29.965	29.989	29.997	.005	.001	.002	29.990
" 14,...	29.994	29.990	.979	.968	.966	29.978	29.994	.015	.042	.031	.026	29.997	.960	.948	.949	.958	.958	.970	.992	30.002	30.004	.014	.008	.004	.989
" 15,...	30.006	.998	.982	.989	30.002	30.034	30.063	.071	.086	.094	.090	30.073	30.035	30.026	30.026	30.019	30.041	30.040	30.052	.063	.081	.087	.055	.059	30.045
" 16,...	.071	30.067	30.062	30.076	.061	.071	.076	.090	.108	.108	.102	.082	.045	.026	.012	.010	.015	.024	.048	.057	.060	.058	.048	.030	.059
" 17,...	.039	.033	.026	.014	.009	.021	.017	.017	.038	.043	.022	.002	29.973	29.955	29.941	29.950	29.954	29.966	29.972	29.978	29.984	29.982	29.977	29.980	29.996
" 18,...	29.983	29.966	29.950	29.946	29.935	29.945	29.932	29.948	29.976	29.990	29.966	29.935	.907	.894	.897	.893	.909	.921	.949	.965	.986	30.009	30.036	30.045	.953
" 19,...	30.062	30.058	30.063	30.057	30.060	30.065	30.082	30.092	30.126	30.126	30.133	30.108	30.084	30.055	30.054	30.064	30.088	30.087	30.096	30.120	30.148	.158	.157	.146	30.095
" 20,...	.149	.149	.161	.159	.163	.172	.188	.211	.229	.225	.217	.202	.165	.144	.144	.138	.146	.160	.178	.191	.197	.194	.182	.180	.177
" 21,...	.179	.177	.160	.163	.164	.177	.186	.186	.197	.197	.180	.151	.121	.095	.088	.095	.102	.110	.138	.152	.166	.173	.171	.176	.154
" 22,...	.166	.152	.137	.137	.137	.157	.172	.186	.200	.215	.199	.172	.140	.122	.107	.110	.116	.134	.144	.155	.177	.184	.189	.181	.158
" 23,...	.179	.172	.176	.175	.189	.221	.227	.248	.280	.270	.252	.221	.188	.170	.160	.159	.170	.188	.201	.219	.230	.240	.227	.223	.212
" 24,...	.209	.196	.182	.179	.175	.199	.210	.244	.242	.233	.201	.167	.130	.106	.095	.089	.090	.096	.107	.125	.135	.139	.139	.122	.159
" 25,...	.097	.073	.047	.032	.026	.033	.033	.037	.031	.016	29.999	29.949	29.916	29.890	29.863	29.863	29.856	29.872	29.873	29.881	29.879	29.874	29.873	29.863	29.953
" 26,...	29.848	29.810	29.777	29.764	29.751	29.752	29.764	29.765	29.777	29.804	.806	.782	.745	.726	.722	.727	.726	.751	.777	.801	.809	.828	.829	.835	.778
" 27,...	.836	.827	.828	.832	.835	.852	.866	.896	.922	.942	.947	.933	.908	.891	.887	.902	.919	.931	.966	.991	.997	30.026	30.040	30.045	.917
" 28,...	30.049	30.051	30.050	30.059	30.068	30.082	30.096	30.138	30.167	30.182	30.174	30.156	30.121	30.090	30.075	30.072	30.078	30.083	30.100	30.108	30.124	.126	.131	.120	30.104
" 29,...	.109	.086	.046	.041	.045	.050	.062	.092	.094	.093	.070	.034	.010	29.978	29.969	29.949	29.956	29.956	29.974	29.986	29.999	29.986	29.982	29.962	.022
" 30,...	29.942	29.939	29.942	29.916	29.923	29.924	29.946	29.958	29.969	29.983	29.993	29.964	29.913	.896	.884	.888	.900	.913	.922	.937	.954	.997	.972	.982	29.940
" 31,...	.986	.973	.952	.957	.956	.973	.982	.984	30.014	30.046	30.057	30.037	30.001	.983	.979	.949	.954	.969	.969	.997	.996	30.003	30.024	30.020	.990
Means,.....	30.043	30.035	30.025	30.022	30.024	30.038	30.050	30.065	30.084	30.085	30.077	30.050	30.017	29.997	29.988	29.989	29.997	30.008	30.024	30.039	30.047	30.050	30.047	30.043	30.035

TABLE II.

TEMPERATURE FOR THE MONTH OF JANUARY, 1896.

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,	59.9	58.0	56.8	56.8	56.3	56.2	56.5	57.5	59.4	60.3	62.4	63.0	64.9	65.5	65.8	65.6	64.8	62.6	62.7	61.3	61.2	60.9	59.8	58.8	60.7	68.2	55.5
„ 2,	58.0	57.3	56.2	56.1	56.2	55.6	55.6	58.4	61.2	61.8	61.5	62.3	62.4	61.6	62.0	62.0	62.2	60.7	59.1	57.9	58.2	57.9	58.8	59.5	59.3	64.2	55.5
„ 3,	59.9	59.8	59.8	59.1	58.0	57.4	57.6	59.6	60.9	62.8	64.3	65.7	66.8	67.8	68.5	67.8	66.6	64.5	63.8	64.5	64.1	64.2	64.3	63.7	63.0	69.3	56.2
„ 4,	63.7	62.2	60.9	60.7	60.8	62.2	62.5	62.0	61.9	61.8	61.6	62.4	62.5	63.6	63.7	63.3	61.7	62.1	62.2	62.6	62.6	63.1	63.2	62.8	62.3	64.3	59.9
„ 5,	62.9	63.3	63.1	62.9	63.1	63.2	63.3	63.7	66.0	69.1	71.1	69.1	67.0	66.6	65.6	65.5	64.7	63.6	63.6	63.4	63.3	63.2	62.4	62.8	64.7	71.7	62.1
„ 6,	62.8	62.7	62.0	61.8	61.8	61.7	61.8	62.3	63.5	64.4	65.2	65.7	64.9	65.5	65.2	64.8	64.3	63.2	63.0	62.6	62.4	62.0	62.0	61.8	63.2	67.2	61.0
„ 7,	61.7	61.4	61.0	60.7	60.8	61.5	62.1	64.2	65.5	66.0	66.5	67.8	66.1	65.9	65.7	64.7	64.3	64.0	63.5	63.1	62.8	62.7	62.2	62.3	63.5	68.1	60.0
„ 8,	62.5	62.6	62.7	62.8	62.7	62.9	63.1	63.5	64.2	66.2	65.7	66.7	67.4	67.5	66.9	66.4	65.0	64.1	63.6	63.2	62.6	62.2	61.8	61.6	64.1	68.6	61.6
„ 9,	61.0	60.7	61.0	61.4	61.9	61.5	61.5	64.7	66.2	66.8	68.8	70.1	69.5	69.1	68.3	67.2	66.3	65.6	65.4	63.1	63.6	63.4	62.8	62.4	64.7	71.1	59.9
„ 10,	62.9	62.4	63.0	63.1	63.8	63.6	63.5	67.7	70.0	70.9	74.1	76.4	74.3	75.6	73.9	73.9	69.5	69.6	67.3	66.8	65.0	66.0	66.0	65.0	68.1	77.7	62.4
„ 11,	64.4	64.5	63.2	62.5	62.0	61.9	62.1	63.5	63.9	64.6	64.7	64.5	62.6	63.7	63.4	62.6	62.0	61.9	62.0	61.9	61.7	61.7	61.6	60.9	62.8	65.0	59.9
„ 12,	60.8	60.6	60.4	60.0	59.9	59.8	59.6	59.7	60.2	61.1	60.2	61.5	61.4	60.8	62.5	61.1	61.3	60.9	61.2	61.4	62.3	62.1	60.7	59.6	60.8	63.5	58.7
„ 13,	59.8	59.4	59.9	59.4	60.0	60.0	60.3	62.2	62.5	64.0	65.6	68.0	68.6	69.4	69.1	69.7	66.1	64.0	63.7	63.1	64.4	64.1	64.2	64.1	63.8	70.5	58.0
„ 14,	63.8	63.7	63.3	64.3	64.2	64.6	65.2	66.6	68.1	68.6	70.3	71.7	71.9	71.4	70.0	69.4	68.6	67.7	67.7	66.9	66.8	66.4	66.2	66.2	67.2	73.0	62.3
„ 15,	66.3	66.2	65.6	66.2	64.0	63.2	62.6	63.0	63.7	64.1	64.6	65.1	63.4	63.6	64.4	63.6	62.9	62.5	63.0	62.8	62.7	62.4	61.8	61.6	63.7	67.2	61.5
„ 16,	61.6	61.3	61.2	61.5	61.0	60.8	60.9	60.8	61.0	61.1	63.7	63.6	64.6	63.7	63.9	62.4	62.9	63.7	63.1	62.0	60.9	60.5	60.7	60.9	62.0	66.0	59.8
„ 17,	61.1	61.6	61.8	61.7	62.0	62.2	61.9	62.9	63.9	65.1	67.3	66.7	67.8	66.6	65.8	64.3	63.4	63.1	63.2	62.9	62.8	62.4	62.5	62.2	63.5	69.2	60.1
„ 18,	61.7	61.5	61.5	61.5	61.4	61.2	60.9	61.3	61.5	60.9	61.2	62.5	63.9	63.3	62.2	62.8	61.9	62.6	62.3	61.8	59.9	58.7	57.5	56.2	61.3	64.8	56.2
„ 19,	56.4	55.2	54.8	54.0	54.0	52.5	52.2	54.5	57.2	58.7	58.5	60.5	61.1	61.4	61.9	60.8	60.0	59.9	58.7	58.5	57.8	57.1	57.3	56.0	57.5	63.0	51.6
„ 20,	55.2	54.6	54.2	54.4	54.2	54.3	54.1	54.8	56.6	57.3	58.5	59.3	58.9	59.0	58.5	58.1	57.5	57.0	57.0	56.6	56.5	58.0	58.4	58.5	56.7	60.0	54.1
„ 21,	58.5	58.6	57.6	57.7	58.0	57.4	56.9	57.6	58.2	58.3	58.6	58.7	58.5	59.6	60.3	60.4	59.6	59.2	59.1	59.0	58.7	59.0	59.2	58.8	58.6	60.4	56.1
„ 22,	59.3	59.1	58.9	57.7	57.8	57.5	57.9	59.1	61.6	63.3	63.9	66.0	67.3	67.9	63.3	62.9	61.0	60.1	59.9	59.7	59.9	60.2	60.3	59.9	61.0	69.4	57.4
„ 23,	59.8	59.5	59.4	59.4	59.3	58.9	58.6	59.1	59.7	59.6	61.8	62.8	64.4	65.4	65.9	64.8	62.6	60.5	60.2	60.0	59.7	59.3	59.3	59.4	60.8	65.9	57.9
„ 24,	59.4	59.3	59.0	58.2	58.2	57.9	58.8	58.9	63.6	64.1	64.7	68.6	66.9	67.2	65.7	64.1	62.1	60.6	60.6	60.1	59.8	60.2	59.4	60.0	61.6	69.5	57.2
„ 25,	61.0	60.3	60.6	60.1	60.2	60.2	60.3	60.6	61.5	62.9	65.0	64.7	63.1	64.5	64.5	64.3	63.6	63.2	62.4	61.3	61.6	61.0	60.4	60.2	62.0	65.2	59.8
„ 26,	60.1	60.2	61.4	61.4	61.4	61.5	61.6	61.8	66.1	67.9	64.7	65.5	68.0	70.5	71.5	71.4	69.9	68.0	67.7	67.1	66.0	65.9	65.8	65.9	65.5	72.2	59.5
„ 27,	65.2	64.6	64.7	64.6	64.6	64.2	64.1	64.4	64.6	64.9	66.9	68.5	68.2	66.9	67.0	65.1	64.6	63.2	63.5	63.8	63.8	64.2	63.7	62.6	64.9	70.0	62.6
„ 28,	62.6	62.6	62.0	61.6	60.9	60.4	60.3	58.8	57.6	57.1	57.7	58.8	58.6	58.5	57.0	55.9	55.6	54.5	54.2	54.1	54.3	54.2	54.2	54.5	57.7	62.6	54.0
„ 29,	54.6	54.1	53.8	53.6	53.7	53.7	54.7	55.2	55.3	55.5	55.5	56.5	56.4	56.5	56.9	57.1	57.2	57.6	58.2	58.2	57.9	58.1	58.1	58.5	56.1	58.6	52.6
„ 30,	58.5	58.3	58.5	59.1	59.0	59.4	60.0	60.2	60.6	60.9	62.0	62.4	62.9	64.5	64.7	64.1	63.5	63.2	62.7	63.0	63.0	63.2	63.3	63.0	61.7	65.2	57.6
„ 31,	63.1	63.0	62.6	61.8	61.7	61.5	61.2	60.9	60.7	60.9	60.7	60.6	59.6	59.7	60.9	59.4	58.4	58.2	58.3	58.5	59.2	58.6	58.6	58.4	60.3	63.3	58.0
Means,	60.9	60.6	60.4	60.2	60.1	60.0	60.1	61.0	62.2	62.9	63.8	64.7	64.6	64.9	64.7	64.0	63.0	62.3	62.0	61.7	61.5	61.4	61.2	60.9	62.0	66.9	58.4

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF JANUARY, 1896.

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.	Solar Max.
Jan. 1, ...	51.7	52.7	51.9	51.4	51.1	51.1	50.5	50.6	51.2	51.4	53.0	53.8	55.1	52.0	51.9	52.1	50.6	48.2	46.8	47.2	47.1	47.2	44.9	44.9	50.3	121.7
„ 2, ...	43.9	44.1	44.6	44.1	44.5	44.3	46.0	48.3	49.5	50.2	50.1	50.4	51.2	50.9	51.0	51.2	50.0	48.1	47.8	48.5	48.2	48.5	51.2	52.5	48.3	122.7
„ 3, ...	53.4	53.4	53.3	53.1	52.7	52.4	52.2	52.7	53.1	55.2	54.6	55.7	57.5	58.2	59.0	58.8	58.5	58.4	57.6	58.1	59.0	58.6	58.7	59.4	56.0	127.6
„ 4, ...	59.3	59.0	59.1	59.3	60.0	61.1	61.0	61.0	61.3	60.7	60.7	61.3	61.3	61.8	61.8	61.5	59.5	60.4	60.6	60.3	60.3	60.2	60.5	60.2	60.5	95.2
„ 5, ...	60.1	60.2	60.1	60.3	60.6	60.8	61.1	61.4	62.5	61.9	63.3	62.0	62.3	62.0	60.7	61.0	61.2	61.7	60.8	60.9	60.8	60.7	60.4	60.4	61.1	124.2
„ 6, ...	60.3	59.7	59.7	59.8	59.8	59.8	59.6	59.4	60.0	60.2	60.4	61.1	61.0	61.2	60.8	60.9	60.5	60.0	60.2	59.5	59.6	59.6	59.6	59.5	60.1	121.3
„ 7, ...	59.6	59.1	58.6	58.5	58.5	58.6	58.3	59.7	60.3	61.1	62.0	62.7	62.2	62.5	61.8	60.8	60.2	60.8	60.8	60.6	60.4	60.5	60.3	60.5	60.4	118.6
„ 8, ...	60.9	60.5	60.6	60.7	60.8	60.6	60.6	60.8	60.9	61.9	61.7	61.8	62.1	62.2	62.0	61.5	61.1	61.0	60.6	60.5	60.2	60.3	60.2	60.2	61.0	124.0
„ 9, ...	59.6	59.4	59.2	58.8	59.3	58.7	58.4	60.6	59.7	60.3	62.5	63.0	62.2	62.8	62.4	63.0	63.0	62.9	62.2	62.4	62.0	62.2	61.7	61.3	61.2	121.5
„ 10, ...	61.2	60.6	61.2	61.0	60.8	60.3	59.2	58.0	58.9	58.4	58.9	62.6	61.9	61.5	61.1	60.4	59.6	58.5	59.3	59.5	59.9	58.8	56.5	57.1	59.8	135.8
„ 11, ...	58.1	61.1	60.6	59.2	58.9	58.9	59.3	59.7	59.6	60.0	60.1	59.9	58.8	59.4	59.2	58.7	58.8	58.7	58.4	58.6	57.6	57.7	57.9	57.2	59.0	118.4
„ 12, ...	57.0	56.2	55.7	55.1	55.2	56.1	55.8	55.7	56.3	56.6	55.6	56.7	56.6	56.3	56.6	55.5	56.1	55.5	55.6	56.8	58.1	57.6	57.1	57.0	56.3	100.3
„ 13, ...	57.1	57.6	57.8	57.7	57.9	58.0	58.7	58.6	59.6	60.8	61.4	63.3	63.1	62.9	63.0	63.3	62.2	61.3	61.8	61.5	61.8	62.3	62.1	62.4	60.7	131.1
„ 14, ...	62.2	61.9	62.0	61.9	61.6	61.6	61.9	62.8	63.0	63.5	64.1	64.7	63.9	63.2	61.9	62.0	60.9	60.9	60.5	61.2	61.6	60.9	61.3	60.2	62.1	133.6
„ 15, ...	60.2	60.4	60.2	59.8	60.4	60.1	59.7	59.8	60.0	59.4	60.3	60.2	60.1	59.8	60.0	59.0	59.1	58.7	59.4	59.2	59.1	59.3	58.9	58.4	59.6	122.3
„ 16, ...	58.3	58.2	58.1	58.0	57.8	57.8	57.8	58.4	58.0	57.6	59.0	58.7	58.8	58.7	58.9	58.1	57.9	58.1	59.3	59.0	58.7	58.0	57.7	57.3	58.3	135.5
„ 17, ...	58.2	58.4	58.6	59.1	59.3	58.9	59.5	60.2	60.0	60.7	61.7	61.4	61.3	61.2	60.1	59.4	59.2	59.4	59.7	59.2	59.2	59.5	59.5	59.4	59.7	118.2
„ 18, ...	59.1	59.3	59.2	59.1	59.0	58.9	58.8	59.0	59.1	58.9	58.7	59.5	59.8	59.7	59.4	60.0	59.5	59.9	60.4	60.5	57.5	55.0	54.5	52.8	58.6	119.7
„ 19, ...	51.4	49.8	49.2	49.2	48.8	47.9	47.0	48.8	50.4	50.3	51.0	51.0	52.7	53.3	53.8	53.0	53.1	52.2	51.6	52.0	51.1	50.7	51.9	50.3	50.9	117.8
„ 20, ...	49.8	49.3	49.1	49.2	49.2	49.3	49.9	49.8	51.0	50.8	52.1	53.2	52.0	52.4	52.1	52.8	52.8	51.8	51.2	51.4	51.7	53.1	53.6	53.5	51.3	119.2
„ 21, ...	53.4	52.8	52.6	52.8	52.3	51.7	51.8	52.4	53.1	53.2	53.3	53.5	53.1	53.7	54.5	54.8	54.0	53.0	53.8	53.6	53.6	53.5	53.6	53.6	53.2	82.5
„ 22, ...	53.8	54.0	53.7	53.2	53.3	53.0	53.3	53.2	54.6	55.7	56.2	57.2	59.0	58.1	57.2	57.9	56.2	56.0	56.0	56.3	56.4	56.5	56.6	56.6	55.6	121.9
„ 23, ...	56.4	55.8	55.4	55.6	55.1	54.3	54.3	54.5	54.7	55.2	55.8	55.8	56.8	57.7	58.0	57.8	56.3	56.3	56.6	56.4	56.4	56.6	56.6	56.5	56.0	122.5
„ 24, ...	57.0	57.0	56.3	55.5	55.6	55.6	55.9	55.9	57.8	58.2	58.0	61.1	59.7	59.4	58.9	59.0	57.6	56.8	56.7	56.8	56.5	56.5	56.8	57.4	57.3	117.0
„ 25, ...	56.9	57.4	57.6	57.6	57.4	57.4	57.9	57.8	58.3	59.1	60.1	59.8	59.3	60.1	58.5	58.8	57.5	57.5	57.7	57.5	58.7	58.2	58.6	59.1	58.3	119.1
„ 26, ...	59.3	59.5	60.6	60.8	60.3	60.2	60.3	61.0	64.5	66.4	63.0	63.9	64.5	65.8	67.0	67.8	66.9	66.1	65.8	65.1	64.9	64.8	64.8	65.0	63.7	127.3
„ 27, ...	64.6	64.4	64.5	64.1	64.4	63.8	63.8	64.0	64.3	64.0	65.1	65.8	65.7	64.4	64.1	62.5	63.0	61.2	61.3	61.3	61.4	60.9	60.6	60.3	63.3	127.6
„ 28, ...	59.6	59.4	58.8	58.5	58.1	57.9	57.9	54.9	52.6	52.0	52.9	53.8	53.6	53.3	52.2	52.2	51.0	50.3	50.2	49.7	50.2	50.2	50.6	51.0	53.8	81.1
„ 29, ...	51.5	51.6	51.4	51.5	51.3	51.5	51.8	52.0	51.9	52.0	52.9	52.8	53.0	53.1	53.6	54.3	54.6	55.6	56.4	56.3	56.2	56.4	56.6	56.7	53.5	71.5
„ 30, ...	56.8	56.9	57.5	57.6	57.9	58.0	58.4	58.7	59.2	59.1	60.1	60.0	60.1	60.9	61.0	61.1	60.6	60.5	60.2	60.8	60.8	61.2	61.4	61.0	59.6	123.4
„ 31, ...	61.0	61.1	61.1	60.8	60.5	60.2	60.4	60.3	59.8	58.8	58.1	58.3	57.8	58.2	58.9	57.8	57.1	57.0	57.0	57.2	57.3	57.0	57.0	56.8	58.7	69.0
Means, ...	57.2	57.1	57.0	56.9	56.9	56.7	56.8	57.1	57.6	57.9	58.3	58.9	58.9	58.9	58.8	58.6	58.0	57.6	57.6	57.7	57.6	57.5	57.5	57.4	57.7	115.9

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JANUARY, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	79	0.424	Jan. 1,.....	42	0.228
2 „	80	.425	„ 2,.....	38	.195
3 „	81	.424	„ 3,.....	64	.357
4 „	81	.425	„ 4,.....	90	.504
5 „	82	.426	„ 5,.....	81	.492
6 „	81	.421	„ 6,.....	83	.480
7 „	81	.422	„ 7,.....	83	.485
8 „	78	.420	„ 8,.....	84	.497
9 „	76	.419	„ 9,.....	81	.495
10 „	73	.418	„ 10,.....	59	.405
11 „	71	.419	„ 11,.....	79	.451
Noon.	70	.425	„ 12,.....	74	.395
1 p.	70	.426	„ 13,.....	84	.491
2 „	69	.422	„ 14,.....	74	.491
3 „	69	.422	„ 15,.....	78	.457
4 „	71	.425	„ 16,.....	79	.440
5 „	73	.420	„ 17,.....	79	.463
6 „	75	.417	„ 18,.....	84	.458
7 „	76	.422	„ 19,.....	61	.286
8 „	78	.428	„ 20,.....	66	.308
9 „	78	.428	„ 21,.....	67	.335
10 „	78	.426	„ 22,.....	69	.372
11 „	79	.429	„ 23,.....	72	.386
Midt.	80	.431	„ 24,.....	75	.415
			„ 25,.....	79	.440
			„ 26,.....	90	.567
			„ 27,.....	92	.562
			„ 28,.....	76	.364
			„ 29,.....	84	.377
			„ 30,.....	89	.484
			„ 31,.....	90	.474
Means,.....	76	0.424	Means.	76	0.424

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1896.														
Jan. 1,.....	...	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.3
„ 2,.....	...	0.3	1.0	1.0	1.0	0.9	0.6	1.0	1.0	1.0	0.8	...	...	8.6
„ 3,.....	...	...	...	0.1	...	0.2	0.6	0.7	0.3	0.9	0.8	...	...	3.6
„ 4,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,.....	...	...	0.1	0.3	...	0.9	1.0	1.0	0.6	0.2	0.1	...	...	4.2
„ 6,.....	...	...	0.1	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	8.0
„ 7,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.7
„ 8,.....	...	...	...	0.7	1.0	0.7	1.0	1.0	1.0	1.0	1.0	0.1	...	7.5
„ 9,.....	...	0.1	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	8.9
„ 10,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.7
„ 11,.....	...	...	0.7	0.9	0.9	1.0	0.6	...	...	...	...	...	...	4.1
„ 12,.....	...	...	...	...	...	...	...	...	...	0.1	...	...	...	0.1
„ 13,.....	...	...	0.1	...	...	0.3	0.4	0.3	0.9	0.6	0.7	0.2	...	3.5
„ 14,.....	...	...	0.4	...	0.1	0.1	0.9	1.0	0.6	...	...	...	...	3.1
„ 15,.....	...	...	...	...	...	0.4	0.7	0.6	...	0.5	0.3	...	...	2.5
„ 16,.....	...	...	...	...	...	0.4	0.4	0.8	0.1	...	...	...	...	1.7
„ 17,.....	...	...	...	...	0.2	0.6	0.1	0.1	0.1	...	...	...	...	1.1
„ 18,.....	...	...	...	...	...	...	0.3	0.8	0.1	...	...	...	...	1.2
„ 19,.....	...	0.3	0.5	0.7	0.7	1.0	1.0	1.0	1.0	1.0	0.2	...	...	7.4
„ 20,.....	...	...	...	0.2	1.0	0.8	0.9	1.0	0.1	...	0.6	0.4	...	5.0
„ 21,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,.....	...	...	0.1	0.8	1.0	1.0	1.0	0.8	0.9	0.9	0.3	...	...	6.8
„ 23,.....	...	...	...	...	0.2	1.0	1.0	1.0	0.4	0.9	1.0	0.4	...	5.9
„ 24,.....	...	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	8.3
„ 25,.....	...	...	...	0.2	0.5	0.2	...	...	0.2	...	...	...	...	1.1
„ 26,.....	...	...	...	...	...	...	0.1	0.6	0.9	0.7	0.9	0.3	...	3.5
„ 27,.....	...	...	...	...	...	0.6	0.7	1.0	1.0	1.0	1.0	0.5	...	5.8
„ 28,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,.....	...	...	...	...	...	...	0.6	0.8	1.0	0.8	...	...	...	3.2
„ 31,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	1.4	6.8	10.2	12.6	16.1	17.9	19.5	16.2	15.6	13.7	3.8	...	133.8

TABLE VI.

RAINFALL FOR THE MONTH OF JANUARY, 1896.

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.	Duration Hours.
Jan. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	0.010	0.010	0.030	0.230	0.010	0.055	0.005	0.035	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.395	10
„ 5,	...	0.005	0.005	...	0.005	...	0.010	0.020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.045	5
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	1
„ 13,	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	7
„ 14,	...	0.005	0.005	0.005	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	5
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.010	0.020	0.010	...	...	...	0.045	3
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.045	...	...	...	...	...	0.050	3
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.005	0.005	0.010	0.010	0.010	0.015	0.060	5
„ 26,	0.045	0.055	0.045	0.040	0.005	...	...	...	0.010	0.500	0.070	0.080	...	...	...	...	...	...	...	...	...	...	...	...	0.850	7
„ 27,	...	...	...	...	...	...	0.020	...	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.030	2
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	0.005	...	...	0.010	3
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	0.010	0.005	0.020	0.020	0.005	...	...	...	...	...	0.005	0.055	0.095	0.215	10
Sums,	0.045	0.075	0.065	0.075	0.245	0.015	0.085	0.025	0.055	0.500	0.080	0.090	0.005	0.020	0.020	0.005	...	0.015	0.060	0.030	0.020	0.020	0.065	0.115	1.730	61

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF JANUARY, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Jan. 1.	5	6	1	2	2	5	1	6	1	5	1	4	1	8	1	9	32	14	1	12	1	6	22	6	31	9	32	13	31	11	2	11	32	14	1	11	1	14	1	18	1	17	1	23	1	21	1	21	266	11.1	1
" 2,	2	12	1	10	1	6	32	10	1	11	2	4	1	2	1	9	2	7	5	12	6	16	7	14	10	14	10	12	10	9	9	7	1	3	2	8	32	3	12	6	7	11	8	6	6	11	5	10	213	8.9	5
" 3,	5	11	6	13	5	10	5	9	2	4	5	4	31	2	...	1	...	0	3	4	9	10	10	8	11	8	10	10	8	8	9	10	9	10	8	9	2	4	...	1	...	1	9	8	9	8	10	7	160	6.7	8
" 4,	10	7	10	6	10	6	10	6	10	6	10	7	10	8	10	12	10	8	12	6	8	15	9	16	10	11	8	12	8	15	7	15	8	21	8	21	7	19	7	17	7	20	7	17	7	14	8	18	303	12.6	8
" 5,	8	11	10	2	10	2	31	4	...	1	...	0	26	2	22	4	...	0	22	3	8	12	10	16	8	18	8	18	8	18	8	17	9	17	7	14	7	18	7	18	7	15	7	20	7	22	7	17	269	11.2	8
" 6,	7	20	7	21	7	18	8	17	8	14	7	15	7	15	8	15	8	14	10	14	9	18	9	16	8	20	8	19	9	16	9	16	8	15	8	11	8	11	8	11	8	10	8	11	8	11	8	9	357	14.9	8
" 7,	8	9	10	6	10	2	10	2	10	2	10	7	10	9	9	11	8	15	9	16	8	16	8	20	8	22	8	23	8	22	9	19	9	17	9	13	9	11	9	7	10	9	10	11	9	13	9	12	294	12.2	9
" 8,	10	13	7	12	7	7	7	7	9	9	8	13	8	14	8	16	7	17	8	19	8	16	9	19	9	19	8	15	8	15	8	18	8	13	8	11	8	12	8	7	8	6	8	3	8	4	30	4	289	12.0	8
" 9,	...	0	30	3	3	4	6	4	5	6	10	3	30	2	10	11	9	19	8	26	9	20	9	15	8	16	8	17	8	15	9	13	9	11	8	4	8	3	10	11	7	12	7	8	7	7	10	8	238	9.9	8
" 10,	10	7	11	3	...	1	...	0	...	0	10	2	10	3	8	17	10	13	11	10	10	6	25	13	22	10	22	11	23	9	23	8	23	8	23	6	23	7	8	13	8	11	8	5	8	2	...	1	166	6.9	14
" 11,	8	9	7	29	7	22	7	19	7	23	8	22	8	21	7	17	8	19	8	18	10	26	9	25	9	23	8	18	8	19	7	17	8	20	7	20	7	23	7	24	7	25	7	23	7	28	7	25	515	21.5	8
" 12,	7	29	7	33	7	32	6	30	6	28	6	25	7	22	7	21	7	23	7	24	7	24	8	28	8	19	8	15	8	19	8	20	7	17	7	17	6	15	6	15	7	21	7	22	7	26	6	20	545	22.7	7
" 13,	7	19	7	18	6	15	7	13	3	8	6	9	8	11	8	14	9	13	10	4	29	4	9	6	8	7	8	15	5	16	5	15	9	18	7	22	7	20	8	17	7	20	7	17	7	14	8	16	331	13.8	7
" 14,	7	16	9	12	8	14	8	11	7	10	9	6	9	6	10	6	9	7	10	6	9	12	7	14	9	18	9	18	9	15	8	12	7	11	7	10	8	11	9	10	10	10	8	10	8	12	6	12	269	11.2	8
" 15,	7	17	8	15	8	12	8	18	7	36	7	34	7	31	7	36	7	37	7	32	7	32	7	27	8	31	8	24	7	20	7	21	7	20	8	25	7	26	7	26	7	23	6	24	7	27	7	20	614	25.6	7
" 16,	6	19	7	23	7	25	5	18	6	15	8	17	8	15	7	19	7	22	7	19	7	23	7	21	7	19	8	17	8	14	9	9	10	2	10	2	27	4	2	6	11	2	10	3	...	1	10	2	317	13.2	7
" 17,	31	3	25	3	...	1	21	2	21	12	...	1	...	1	...	0	30	5	8	5	8	9	10	10	9	7	9	12	10	12	10	14	10	14	9	16	7	17	7	21	7	22	7	26	6	25	7	26	254	10.6	8
" 18,	7	27	7	29	7	30	7	29	7	27	7	28	7	33	7	27	6	21	6	19	7	21	7	21	7	21	7	18	8	15	9	13	9	11	9	8	9	5	7	4	32	13	32	14	31	12	32	15	461	19.2	6
" 19,	1	15	1	14	2	14	1	19	32	14	32	15	32	11	30	4	31	4	3	4	5	6	8	6	10	6	9	12	8	15	8	14	8	13	4	11	5	12	2	5	1	7	1	5	4	18	5	13	257	10.7	3
" 20,	3	7	5	12	5	16	5	18	5	18	4	17	4	18	4	19	5	24	7	24	7	26	6	25	7	24	8	22	8	18	7	17	7	17	7	14	6	12	5	8	3	9	6	12	7	21	7	22	420	17.5	6
" 21,	7	23	6	25	6	24	5	19	5	18	5	16	5	14	5	19	6	17	5	18	5	18	6	16	10	15	8	11	4	9	8	8	8	12	2	9	4	4	...	1	1	2	1	3	29	4	32	5	310	12.9	6
" 22,	7	4	9	5	32	2	29	3	28	4	32	8	3	3	1	7	3	3	9	9	10	9	10	8	8	6	8	12	8	14	9	10	9	14	9	17	8	16	7	16	7	18	7	17	7	19	7	19	243	10.1	7
" 23,	7	21	7	20	7	23	5	24	5	21	6	20	7	16	7	12	4	10	8	17	6	17	8	16	9	15	9	14	10	11	9	14	9	14	9	19	7	12	7	12	7	8	9	12	9	11	9	13	372	15.5	7
" 24,	9	13	8	15	7	8	5	4	10	8	10	4	4	4	2	2	4	3	9	8	10	8	13	6	24	8	24	6	7	6	7	5	8	10	9	8	9	10	8	9	7	9	7	7	11	5	8	10	176	7.3	8
" 25,	4	10	7	12	7	15	7	16	7	12	6	8	8	12	8	12	7	8	10	8	10	7	8	13	8	17	7	14	9	10	9	11	9	11	9	9	8	6	8	7	9	11	8	12	8	9	8	4	254	10.6	8
" 26,	...	1	8	2	9	12	8	15	7	19	7	17	7	16	4	18	15	10	16	17	26	7	23	3	26	3	27	11	20	22	20	21	20	21	20	17	24	8	29	4	29	5	...	1	28	2	...	1	253	10.5	16
" 27,	23	2	...	0	22	4	22	4	6	6	7	16	8	19	9	15	9	17	9	18	9	12	9	11	8	17	8	20	9	22	9	27	8	32	7	24	7	21	6	22	7	22	6	21	7	29	7	38	419	17.5	8
" 28,	6	42	7	43	6	41	7	37	7	35	7	29	7	25	32	10	32	12	1	12	2	8	3	13	4	12	4	14	4	15	5	17	3	12	3	12	4	9	5	15	4	17	4	14	4	16	4	17	477	19.9	5
" 29,	6	21	6	22	5	20	4	18	6	22	6	21	6	22	5	21	5	20	7	22	6	26	7	29	7	27	7	27	7	26	7	28	7	29	7	29	7	28	7	28	7	31	7	34	7	26	7	31	608	25.3	6
" 30,	7	30	7	22	7	22	7	26	8	21	7	22	8	23	8	26	8	23	8	20	8	19	8	22	8	24	8	25	7	27	8	24	7	26	8	22	8	26	7	27	7	21	7	17	7	20	7	23	558	23.2	8
" 31,	7	24	7	21	7	18	8	19	9	19	7	17	7	19	7	17	7	12	4	6	3	4	8	3	9	14	8	15	7	14	7	20	7	23	7	25	6	24	6	21	6	24	6	21	6	16	6	19	415	17.3	7
Sums,	...	448	...	453	...	431	...	427	...	424	...	411	...	407	...	427	...	417	...	432	...	453	...	466	...	480	...	490	...	477	...	471	...	476	...	444	...	411	...	407	...	432	...	427	...	454	...	458	10623	442.6	...
Means,	...	14.5	...	14.6	...	13.9	...	13.8	...	13.7	...	13.3	...	13.1	...	13.8	...	13.5	...	13.9	...	14.6	...	15.0	...	15.5	...	15.8	...	15.4	...	15.2	...	15.4	...	14.3	...	13.3	...	13.1	...	13.9	...	13.8	...	14.6	...	14.8	342.7	14.3	...

3rd, 10.50 p.—4th, 10.30 a. cylinder unclamped. From 11 p. to 10 a. inclusive, approximate values have been entered from the general record of the instrument and from estimations.

TABLE VIII.

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
1896.												
Jan. 1, ...	4	cum.	NE	8	cum.	NE	6	cum.	N	1	c-str.	...
„ 2, ...	8	sm-cum.	W	7	sm-cum.	W	5	sm-cum.	W	4	c-str. / cum.	W
„ 3, ...	9	cum.	SSE	8	cum.	S	8	c-str. / sm-cum. / cum.	S	10	str-cum.	SSW
„ 4, ...	10	str-cum.	S	10	nim.	S	10	nim.	E	10	nim.	...
„ 5, ...	10	cum.	...	10	str-cum.	...	10	sm-cum. / str-cum.	W	10	sm-cum.	W
„ 6, ...	9	cum.	W	10	str-cum.	...	10	str-cum.	E	7	sm-cum. / cum.	W / E
„ 7, ...	0	...	...	0	...	...	0	...	...	1	sm-cum.	...
„ 8, ...	4	cum.	E	10	cum.	...	8	sm-cum.	WNW	5	c-cum. / sm-cum. / cum.	WNW / WNW / ..
„ 9, ...	0	...	...	8	sm-cum.	W	3	sm-cum.	WNW	3	sm-cum.	W
„ 10, ...	7	c-cum.	W	8	sm-cum.	SW	0	...	...	0	...	...
„ 11, ...	0	...	...	10	cum.	E	1	cum.	...	4	cum.	ENE
„ 12, ...	10	str.	...	10	str.	...	9	str-cum.	E	10	str-cum. / cum.	ENE
„ 13, ...	10	nim.	...	10	nim.	...	8	cum-nim.	E	9	cum.	E
„ 14, ...	10	str-cum.	...	8	nim.	...	7	cum.	E	8	sm-cum. / cum.	W / E
„ 15, ...	8	cum.	...	4	cum.	...	10	R-cum.	E	10	str-cum.	E
„ 16, ...	10	str.	...	10	str.	...	8	str-cum.	ENE	10	R-cum.	ENE
„ 17, ...	10	str-cum.	...	10	str-cum.	...	7	sm-cum. / cum.	WSW / E	10	sm-cum. / cum.	E
„ 18, ...	10	str-cum.	E	10	str-cum.	E	10	str-cum.	E	10	nim.	E
„ 19, ...	10	str.	...	10	str.	...	7	sm-cum.	SSW	2	sm-cum.	SW
„ 20, ...	10	str.	...	10	str.	...	8	sm-cum. / cum.	E	5	c-cum. / sm-cum. / cum.	.. / WNW / E
„ 21, ...	10	str-cum.	...	10	str.	...	10	sm-cum. / cum.	E	10	str-cum.	E
„ 22, ...	10	str.	...	8	cum.	...	9	sm-cum. / cum.	NW	9	c-cum.	W
„ 23, ...	10	str.	...	10	str.	...	9	str-cum.	ENE	9	str-cum.	E
„ 24, ...	0	...	...	0	...	...	7	cum.	ENE	0	...	...
„ 25, ...	10	sm-cum.	W	10	cum.	...	9	sm-cum. / cum-nim.	WSW / E	9	sm-cum.	WSW
„ 26, ...	10	nim.	...	10	str-cum.	...	10	cum-nim.	S	10	nim.	SSW
„ 27, ...	7	cum.	SW	10	str-cum.	...	10	str. / cum-nim.	...	10	nim.	...
„ 28, ...	10	cum.	...	7	sm-cum.	SW	10	cum-nim.	ENE	10	str.	ENE
„ 29, ...	10	str.	...	10	str.	...	10	str-cum.	ENE	10	str-cum.	ENE
„ 30, ...	10	str.	...	10	str.	...	10	str-cum.	E	10	str.	E
„ 31, ...	10	str.	...	10	nim.	...	10	str.	...	10	cum-nim.	...
Means,...	7.9	...	...	8.6	...	...	7.7	...	...	7.3	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
Jan. 1,...	0	...	...	8	c-str.	W	0	...	...	0	...	...	3.4
" 2,...	5	c-str. / sm-cum.	W	8	c-str. / sm-cum.	W / W	2	c-cum.	...	7	c-cum.	W	5.7
" 3,...	8	c-cum. / sm-cum.	WSW / E	7	c-cum. / sm-cum.	S	8	cum.	...	9	sm-cum.	SSW	8.4
" 4,...	10	str-cum. / cum.	NE	10	str-cum.	...	10	str-cum.	...	10	cum.	E	10.0
" 5,...	3	c-cum.	W	8	sm-cum.	W	9	cum.	...	10	cum.	...	8.8
" 6,...	1	cum.	E	0	...	...	3	cum.	E	0	...	...	5.0
" 7,...	1	cum.	...	1	cum.	...	0	...	...	0	...	...	0.4
" 8,...	1	cum.	...	0	...	...	0	...	...	0	...	...	3.5
" 9,...	0	...	...	0	...	...	0	...	...	0	...	...	1.7
" 10,...	0	...	...	0	...	...	0	...	...	0	...	...	1.9
" 11,...	10	str-cum.	ENE	9	cum.	ENE	9	cum.	ENE	10	cum.	ENE	6.6
" 12,...	10	str-cum.	E	8	cum.	E	10	str-cum.	...	10	str-cum.	...	9.6
" 13,...	9	cum.	ESE	8	sm-cum. / cum.	E	4	cum.	...	10	str-cum.	...	8.5
" 14,...	5	sm-cum. / cum.	W / E	9	sm-cum.	W	9	sm-cum.	...	10	str-cum.	...	8.3
" 15,...	8	c-cum. / cum.	E	8	sm-cum. / cum.	SW / ENE	10	str-cum.	...	10	cum-nim.	...	8.5
" 16,...	8	sm-cum. / cum.	SSE / E	10	sm-cum. / cum.	SSW / ENE	10	nim.	...	8	cum.	...	9.2
" 17,...	9	sm-cum. / cum.	E	9	sm-cum. / cum.	E	10	str-cum.	...	10	cum-nim.	...	9.4
" 18,...	10	c-cum. / cum.	E	10	str-cum.	E	10	nim.	...	10	str.	...	10.0
" 19,...	2	cum.	E	8	cum.	NNE	10	str-cum.	...	10	str-cum.	...	7.4
" 20,...	2	sm-cum. / cum.	E	9	sm-cum.	NNW	0	...	...	10	str-cum.	...	6.8
" 21,...	10	str-cum.	ESE	10	cum.	SE	9	cum.	SSE	9	cum.	...	9.7
" 22,...	9	c-cum.	W	8	c-str.	WSW	8	c-str.	...	10	cum.	ENE	8.9
" 23,...	2	c-cum.	...	0	...	...	0	...	...	0	...	...	5.0
" 24,...	0	...	...	1	c-cum.	...	0	...	...	9	sm-cum.	WSW	2.1
" 25,...	10	sm-cum.	WSW	10	sm-cum.	SW	10	nim.	...	10	str-cum.	...	9.8
" 26,...	10	c-cum. / R-cum.	SW	8	c-cum. / cum.	WSW	8	c-cum. / cum.	SW	8	cum.	SW	9.2
" 27,...	3	c-cum. / sm-cum. / cum.	NNE	2	sm-cum. / cum.	WSW / ..	0	...	...	2	sm-cum. / cum.	WSW / ..	5.5
" 28,...	10	str-cum.	ENE	10	str.	ENE	10	str.	...	10	str-cum.	ENE	9.6
" 29,...	10	str-cum.	ENE	10	str-cum.	ENE	10	nim.	ENE	10	nim.	ENE	10.0
" 30,...	7	sm-cum. / str-cum.	W / ESE	9	sm-cum. / cum.	W / E	9	sm-cum. / cum.	ESE	10	R-cum.	ESE	9.4
" 31,...	10	nim.	ENE	10	nim.	E	10	str-cum.	E	10	cum-nim.	ENE	10.0
Means,...	5.9	...	...	6.7	...	...	6.1	...	...	7.2	...	...	7.2

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF JANUARY, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	4.1	12.9	0.4	0.1	+ 3.7	+ 12.8	E 16° N
2 „	3.6	13.3	0.3	0.1	3.3	13.2	E 14° N
3 „	4.1	12.5	0.2	0.1	3.9	12.4	E 17° N
4 „	4.7	11.5	0.2	0.3	4.5	11.2	E 22° N
5 „	4.4	11.7	0.4	0.2	4.0	11.5	E 19° N
6 „	3.9	11.6	0.3	0.0	3.6	11.6	E 17° N
7 „	3.0	11.8	0.3	0.1	2.7	11.7	E 13° N
8 „	3.8	11.7	0.5	0.2	3.3	11.5	E 16° N
9 „	3.6	11.4	0.9	0.1	2.7	11.3	E 13° N
10 „	2.6	12.0	1.6	0.1	1.0	11.9	E 5° N
11 „	2.6	13.4	1.1	0.3	1.5	13.1	E 7° N
Noon.	1.8	13.7	1.5	0.7	+ 0.3	13.0	E 1° N
1 p.	1.2	14.2	1.5	0.7	− 0.3	13.5	E 1° S
2 „	1.3	14.3	0.8	0.8	+ 0.5	13.5	E 2° N
3 „	1.8	13.6	1.4	0.9	+ 0.4	12.7	E 2° N
4 „	1.6	13.7	1.7	0.7	− 0.1	13.0	E
5 „	1.8	13.6	1.5	0.7	+ 0.3	12.9	E 1° N
6 „	2.5	12.6	1.0	0.6	1.5	12.0	E 7° N
7 „	3.1	11.7	0.2	0.6	2.9	11.1	E 15° N
8 „	3.3	11.8	0.4	0.1	2.9	11.7	E 14° N
9 „	4.1	12.2	0.3	0.1	3.8	12.1	E 17° N
10 „	4.0	12.1	0.3	0.0	3.7	12.1	E 17° N
11 „	4.2	12.9	0.3	0.2	3.9	12.7	E 17° N
Midt.	4.3	12.8	0.4	0.0	+ 3.9	+ 12.8	E 17° N
Means, ...	3.1	12.6	0.7	0.3	+2.41	+ 12.30	E 11° N

PHENOMENA :—

Solar halo :—on the 22nd.

Lunar halo :—on the 2nd and 22nd.

Lunar corona :—on the 1st and 2nd.

Fog :—on the 7th, 9th, 10th and 17th.

Slight fog :—on the 5th and 27th.

Haze :—on the 1st, 3rd, 4th, 8th, 9th, 11th, 22nd, 24th, 28th and 29th.

Dew :—on the 24th.

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF FEBRUARY, 1896.

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,...	30.013	29.985	29.959	29.954	29.949	29.966	29.970	29.950	29.964	29.982	29.975	29.965	29.924	29.920	29.893	29.896	29.901	29.902	29.930	29.935	29.951	29.984	30.006	30.014	29.954
„ 2,...	.024	.994	.987	.982	.987	30.008	30.014	30.025	30.039	30.051	30.036	30.020	.988	.954	.932	.931	.941	.950	.961	.954	.984	.985	29.979	29.998	.988
„ 3,...	29.977	.964	.963	.962	.976	29.980	29.955	29.944	29.993	29.951	29.991	29.964	.974	.945	.935	.932	.939	.966	.985	30.010	30.019	30.030	30.018	30.022	.975
„ 4,...	30.015	30.010	30.006	30.003	30.013	30.039	30.064	30.086	30.104	30.126	30.124	30.106	30.079	30.049	30.041	30.060	30.071	30.071	30.096	.103	.118	.116	.122	.116	30.072
„ 5,...	.126	.110	.090	.094	.094	.089	.128	.150	.166	.170	.130	.116	.074	.050	.035	.042	.058	.061	.089	.101	.109	.109	.094	.104	.100
„ 6,...	.076	.072	.041	.038	.038	.052	.043	.055	.065	.063	.045	.019	29.987	29.947	29.935	29.917	29.933	29.937	29.948	29.962	29.962	29.955	29.935	29.953	29.999
„ 7,...	29.948	29.942	29.934	29.924	29.900	29.910	29.920	29.919	29.920	29.926	29.919	29.891	.866	.837	.810	.830	.838	.847	.856	.874	.879	.882	.878	.879	.889
„ 8,...	.872	.866	.851	.862	.856	.872	.870	.871	.897	.897	.890	.872	.831	.810	.792	.791	.815	.816	.836	.849	.867	.873	.877	.880	.855
„ 9,...	.869	.862	.845	.866	.870	.899	.922	.944	.962	.978	.976	.972	.947	.923	.910	.920	.947	.965	.978	.986	30.017	30.028	30.041	30.027	.944
„ 10,...	30.026	30.021	30.014	30.025	30.035	30.064	30.081	30.110	30.106	30.112	30.127	30.105	30.083	30.053	30.042	30.029	30.044	30.054	30.074	30.084	.090	.086	.086	.097	30.069
„ 11,...	.079	.077	.055	.052	.049	.053	.066	.052	.076	.057	.069	.059	.027	.011	.001	29.986	29.998	.018	.024	.042	.042	.040	.045	.046	.043
„ 12,...	.039	.036	.037	.034	.033	.035	.046	.042	.094	.102	.084	.056	.019	.008	.006	30.002	30.022	.041	.056	.071	.074	.094	.099	.107	.052
„ 13,...	.104	.092	.085	.089	.092	.103	.134	.142	.177	.176	.168	.169	.130	.102	.091	.096	.115	.130	.146	.159	.172	.183	.184	.159	.133
„ 14,...	.154	.150	.130	.119	.113	.132	.134	.157	.191	.226	.224	.206	.179	.143	.124	.126	.137	.144	.171	.176	.217	.240	.234	.235	.169
„ 15,...	.254	.248	.230	.232	.212	.230	.249	.256	.272	.284	.284	.245	.213	.187	.174	.177	.186	.175	.189	.202	.220	.216	.219	.215	.224
„ 16,...	.198	.168	.179	.159	.176	.172	.172	.195	.208	.206	.186	.171	.131	.112	.074	.078	.086	.085	.087	.102	.133	.139	.126	.108	.144
„ 17,...	.085	.075	.060	.033	.036	.047	.066	.070	.089	.104	.103	.078	.046	29.996	29.981	29.962	29.981	29.983	.021	.022	.028	.025	.036	.025	.040
„ 18,...	.022	.014	.006	.009	.020	.052	.068	.074	.104	.101	.101	.081	.056	30.022	30.023	30.017	30.037	30.052	.087	.100	.112	.125	.132	.135	.065
„ 19,...	.122	.106	.091	.110	.116	.128	.151	.158	.161	.173	.170	.130	.101	.076	.069	.074	.080	.093	.119	.142	.157	.169	.164	.159	.126
„ 20,...	.158	.137	.148	.152	.157	.184	.206	.218	.230	.247	.241	.234	.210	.192	.188	.182	.166	.188	.192	.221	.223	.226	.216	.199	.196
„ 21,...	.196	.168	.150	.130	.148	.144	.143	.148	.150	.180	.160	.131	.124	.079	.046	.066	.067	.087	.054	.073	.061	.054	.068	.061	.112
„ 22,...	.064	.061	.037	.057	.041	.042	.058	.074	.092	.093	.068	.042	.012	29.982	29.983	29.972	29.952	29.990	29.986	.009	.012	.013	.037	.054	.030
„ 23,...	.021	29.995	29.970	29.982	29.989	29.994	.028	.040	.063	.073	.064	.037	.022	.991	.969	.963	.969	.987	.999	.012	.028	.032	.041	.014	.012
„ 24,...	.019	30.001	.991	.991	.996	30.005	.030	.046	.038	.062	.048	.020	29.985	.948	.927	.930	.929	.928	.933	29.949	29.963	29.960	29.968	29.967	29.985
„ 25,	29.964	29.949	.939	.938	.928	29.939	29.965	29.964	29.982	29.995	29.983	29.962	.930	.906	.889	.868	.875	.871	.898	.919	.935	.948	.949	.959	.936
„ 26,...	.962	.956	.952	.939	.943	.956	.989	.994	.989	30.020	30.014	.988	.957	.933	.915	.917	.923	.924	.938	.952	.969	.985	.985	.999	.962
„ 27,...	.978	.968	.959	.970	.974	.995	.988	.996	30.012	.014	.013	30.001	.969	.949	.933	.914	.911	.928	.945	.962	.969	.975	.979	.978	.970
„ 28,...	.952	.937	.933	.922	.914	.926	.930	.956	29.954	29.978	29.975	29.955	.918	.886	.875	.880	.892	.902	.928	.948	.968	.968	.986	.992	.936
„ 29,...	.983	.995	.984	.974	.985	30.005	30.019	30.039	30.053	30.051	30.055	30.039	30.001	.987	.970	.968	.967	.970	.964	.985	30.009	30.017	30.025	30.027	30.003
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,.....	30.045	30.033	30.022	30.021	30.022	30.035	30.049	30.058	30.074	30.083	30.077	30.056	30.027	30.000	29.985	29.984	29.992	30.002	30.017	30.031	30.044	30.050	30.053	30.053	30.034

TABLE II.

TEMPERATURE FOR THE MONTH OF FEBRUARY, 1896.

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,	58.2	58.0	58.2	57.0	57.1	56.2	57.1	57.0	57.7	58.2	58.0	57.7	57.9	57.7	58.3	57.6	58.2	58.2	57.6	57.2	57.4	57.8	57.8	57.8	57.7	58.7	55.5
„ 2,	57.6	57.4	57.6	57.7	57.9	57.0	57.4	58.4	59.8	62.3	63.7	63.0	64.9	65.2	64.9	64.1	64.2	62.0	60.2	60.4	60.4	59.7	59.9	59.8	60.6	66.8	56.6
„ 3,	57.4	57.8	57.7	57.6	57.9	58.1	58.3	59.4	58.8	58.9	58.3	58.4	58.6	59.4	60.1	60.5	59.9	60.0	60.1	58.8	58.7	58.2	57.8	58.0	58.7	60.6	57.4
„ 4,	58.2	57.6	56.7	56.5	56.5	56.5	56.6	56.9	57.7	55.9	54.7	56.2	55.9	58.9	58.7	58.0	57.7	57.8	57.2	57.0	57.1	56.7	56.7	55.7	57.0	59.8	54.0
„ 5,	56.0	56.5	57.2	56.7	56.6	57.2	56.1	55.9	55.7	55.8	60.0	58.0	57.6	57.6	57.0	56.9	56.6	56.1	55.5	55.6	54.5	54.6	55.4	55.0	56.4	60.0	54.5
„ 6,	54.6	54.4	55.1	54.8	54.9	54.7	54.8	54.6	55.0	55.8	55.6	55.6	55.7	56.2	56.2	56.7	56.9	57.4	58.3	58.8	58.0	57.7	57.8	57.8	56.1	58.8	53.5
„ 7,	58.0	58.1	58.4	58.6	58.6	58.6	59.1	58.8	59.1	58.8	58.7	58.6	58.6	59.5	58.6	58.9	59.2	59.3	59.6	59.3	59.1	59.4	59.3	59.4	58.9	59.8	57.4
„ 8,	59.4	59.2	59.3	59.4	59.4	59.4	59.5	59.3	59.7	60.2	60.5	61.1	61.6	60.7	60.5	59.8	59.8	60.1	60.6	60.6	60.8	61.2	61.8	61.8	60.2	61.9	58.6
„ 9,	62.1	62.4	62.4	62.2	62.0	61.6	60.6	60.1	61.6	60.7	61.9	58.9	59.4	59.4	57.8	57.3	56.6	55.4	55.6	56.1	56.3	56.4	54.7	54.7	59.0	63.0	54.2
„ 10,	54.6	54.1	54.2	54.1	54.1	53.5	53.8	53.7	54.9	57.8	56.0	57.6	57.3	57.4	56.6	55.7	54.9	54.8	54.6	54.4	54.7	54.3	54.8	54.8	55.1	58.1	53.0
„ 11,	54.6	54.7	53.8	54.0	53.4	53.7	53.7	54.9	55.5	55.8	56.2	55.8	55.7	54.7	54.5	54.0	52.8	52.9	53.0	53.3	53.7	54.4	53.8	53.5	54.3	56.2	52.1
„ 12,	53.5	52.8	52.1	52.3	52.8	51.8	52.6	53.6	53.7	53.3	54.3	55.9	55.7	56.6	55.5	53.8	53.2	53.2	52.6	52.2	52.0	52.7	52.0	50.6	53.3	56.8	50.6
„ 13,	51.0	50.6	50.8	50.6	50.3	50.2	51.3	51.9	52.6	53.1	53.9	53.3	53.0	52.7	52.7	51.2	50.4	49.6	50.2	50.6	50.6	50.5	51.0	50.6	51.4	54.5	49.3
„ 14,	50.6	50.1	50.6	50.1	50.6	51.0	51.2	51.3	50.2	48.9	49.1	49.0	49.7	48.9	48.8	48.4	48.2	48.0	47.1	47.0	46.2	46.0	46.0	46.4	48.9	51.3	45.6
„ 15,	44.6	44.2	43.6	44.5	44.5	45.0	45.2	45.6	46.6	47.8	48.2	51.3	51.9	51.1	50.5	49.2	47.4	47.3	47.3	48.0	47.6	47.3	47.1	46.0	47.2	53.5	43.2
„ 16,	45.8	45.9	45.2	44.6	44.5	44.1	45.6	46.1	47.6	49.8	51.5	52.0	52.2	51.6	51.5	50.9	50.5	50.5	49.8	49.1	49.7	49.9	51.3	51.5	48.8	54.1	43.8
„ 17,	51.4	51.5	51.7	51.6	51.4	50.9	51.9	52.1	52.9	53.3	52.8	52.4	52.6	52.5	52.0	52.2	52.1	52.4	52.7	52.5	53.0	53.2	53.5	53.3	52.3	53.6	50.9
„ 18,	53.1	52.6	52.6	52.5	52.6	52.7	52.9	52.8	53.0	54.3	56.5	57.8	56.6	56.3	56.7	57.6	56.9	55.5	55.9	55.6	54.6	54.9	53.8	53.6	54.6	57.8	51.8
„ 19,	52.8	52.6	52.6	52.6	52.4	52.6	52.1	53.1	54.6	56.4	58.9	59.8	61.6	62.4	61.9	62.1	61.3	59.6	59.2	59.2	58.7	56.6	56.2	56.0	57.3	64.4	50.9
„ 20,	54.8	54.1	53.4	52.4	52.1	52.2	53.2	53.5	54.6	55.3	55.5	56.1	56.4	55.4	55.2	55.6	55.0	55.0	54.7	54.6	54.2	53.7	53.4	53.6	54.3	57.9	51.6
„ 21,	53.6	53.6	53.6	53.4	53.0	52.8	52.6	52.7	52.3	51.9	52.0	51.7	51.4	51.2	52.0	51.9	51.8	50.6	49.8	51.6	51.6	52.2	52.3	52.6	52.2	53.9	49.2
„ 22,	51.9	51.5	51.6	50.6	50.2	49.3	50.0	50.2	50.3	51.2	52.0	54.4	55.5	56.6	56.3	56.5	55.7	55.9	56.1	56.3	56.2	56.6	55.5	55.4	53 6	57.4	48.6
„ 23,	55.3	55.6	55.6	55.7	55.7	55.8	55.9	56.4	56.3	57.4	57.6	59.3	58.6	59.5	60.6	60.4	60.2	59.6	58.7	58.6	59.3	59.3	58.3	58.3	57.8	60.7	54.2
„ 24,	57.8	57.8	57.6	57.5	57.2	57.2	57.9	59.0	60.6	63.3	64.1	66.9	65.8	66.9	64.4	63.1	62.0	61.9	61.3	60.3	60.2	60.2	59.6	59.5	60.9	68.7	56.7
„ 25,	59.5	59.8	59.8	59.5	58 8	58.2	59.5	61.5	62.1	62.5	63.3	62.7	63.4	63.0	60.6	62.6	63.3	61.8	60.6	60.8	61.0	61.6	61.3	61.4	61.2	64.0	57.9
„ 26,	61.6	61.4	61.2	60.9	60.8	60.8	61.6	60.9	59.6	60.2	60.9	61.1	59.5	59.4	59.9	59.8	59.9	60.0	59.9	59.2	59.1	59.8	59.9	59.6	60.3	61.9	58.4
„ 27,	59.2	58.7	58.5	58.5	58.8	59.5	59.9	59.8	59.5	59.8	59.9	59.0	58.9	58.6	58.8	58.9	58.9	58.2	58.3	58.4	58.0	58.0	58.3	58.4	58.9	60.0	57.5
„ 28,	58.5	58.5	58.5	58.5	58.7	58.7	58.9	59.1	59.7	59.9	60.9	63.1	63.1	63.0	63.7	63.0	61.4	61.3	61.8	61.0	61.4	61.3	61.0	59.6	61.0	64.3	57.6
„ 29,	57.9	57.4	57.1	56.8	56.3	55.8	55.6	55.5	55.6	55.8	56.2	57.0	57.5	57.4	57.3	57.4	57.3	57.5	57.3	57.2	57.3	57.2	57.1	57.0	56.9	59.6	55.1
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,	55.3	55.1	55.1	54.9	54.8	54.7	55.0	55.3	55.8	56.4	56.9	57.4	57.5	57.6	57.3	57.0	56.6	56.3	56.1	56.0	55.9	55.9	55.8	55.6	56.0	59.2	53.1

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF FEBRUARY, 1896.

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.	Solar Max.
Feb. 1, ...	56.8	56.8	56.8	56.0	56.1	55.8	56.1	56.2	56.6	56.7	56.8	56.7	56.7	56.6	56.8	56.7	56.5	56.4	55.7	55.9	55.8	56.0	55.9	55.8	56.3	75.3
" 2, ...	55.8	55.7	56.1	56.3	55.6	55.0	54.2	55.4	56.2	57.5	58.7	57.6	59.0	59.4	59.6	59.3	58.8	57.8	57.7	57.8	57.8	57.7	58.0	56.7	57.2	122.4
" 3, ...	55.8	56.2	56.4	56.2	56.4	56.2	55.8	55.7	56.3	56.0	55.2	55.7	56.1	56.6	56.7	57.2	57.7	57.2	57.1	56.1	55.7	55.2	55.3	54.7	56.1	112.4
" 4, ...	54.4	53.6	54.0	53.8	54.1	53.3	53.0	53.3	54.0	54.0	53.1	54.0	53.5	55.6	54.6	53.9	54.7	53.1	53.7	52.5	52.7	52.6	52.7	51.8	53.6	87.7
" 5, ...	52.8	53.0	53.5	54.0	54.4	54.8	54.8	54.7	54.4	53.7	55.9	54.5	54.1	53.9	53.2	53.0	53.1	52.7	52.7	52.8	51.7	52.1	52.2	52.6	53.5	117.8
" 6, ...	52.0	52.0	52.7	52.8	52.8	52.9	53.2	52.7	53.1	53.4	53.7	53.8	54.0	54.5	54.4	54.7	54.8	55.2	55.6	55.9	56.4	56.3	56.7	56.8	54.2	69.3
" 7, ...	56.9	57.4	57.6	57.6	57.5	57.5	57.8	58.1	58.2	58.0	58.1	58.0	57.8	58.4	57.7	58.0	58.2	58.1	58.0	58.3	58.5	58.6	58.6	58.7	58.0	93.8
" 8, ...	58.8	58.8	58.7	58.8	58.8	58.9	59.0	58.9	59.4	59.9	60.2	60.5	60.7	60.4	59.8	59.6	59.5	59.8	60.2	60.4	60.6	61.0	61.6	61.4	59.8	115.0
" 9, ...	61.7	61.7	61.8	61.6	61.3	61.4	59.8	59.4	59.8	58.0	58.7	57.4	57.6	57.1	55.6	55.7	54.6	54.1	53.7	52.8	52.7	52.5	51.6	51.5	57.2	91.6
" 10, ...	51.7	51.0	50.8	50.2	49.8	49.6	49.2	49.8	50.8	51.9	51.3	52.2	51.7	51.8	51.7	51.7	51.0	50.9	50.8	50.7	51.1	51.2	52.4	52.4	51.1	83.9
" 11, ...	52.0	51.6	51.1	51.0	51.1	51.2	51.0	52.2	52.7	52.3	52.9	52.2	51.8	52.7	52.1	51.9	50.8	50.2	50.5	50.2	50.1	51.4	51.0	51.2	51.5	70.0
" 12, ...	50.8	50.7	50.8	51.0	50.8	51.0	50.8	51.2	52.0	51.9	52.7	53.5	53.3	54.2	53.2	52.4	52.0	52.0	51.1	50.0	49.9	50.4	49.8	49.5	51.5	71.0
" 13, ...	48.6	48.0	47.8	47.3	47.1	47.0	47.9	48.5	49.0	50.3	50.6	50.4	49.8	49.7	49.4	48.8	48.6	48.3	48.3	47.8	47.7	48.1	48.1	48.1	48.5	71.2
" 14, ...	48.1	47.9	48.3	48.0	48.0	48.0	48.3	48.7	48.8	47.9	48.2	47.4	48.3	47.2	46.5	45.7	45.4	46.0	45.5	45.8	45.0	44.9	44.4	44.1	46.9	60.4
" 15, ...	42.8	42.6	42.3	41.7	41.6	42.2	42.6	43.1	42.9	44.2	44.1	46.0	46.8	46.0	45.6	44.7	43.3	43.7	43.4	43.7	44.2	44.2	44.8	43.8	43.8	104.9
" 16, ...	43.4	43.5	42.9	43.0	42.8	42.9	43.7	43.7	45.2	46.0	47.2	47.8	47.7	48.2	47.8	47.6	47.5	47.2	48.0	47.2	48.0	48.3	49.0	49.1	46.2	78.8
" 17, ...	49.1	49.2	49.3	49.4	49.6	49.8	50.0	50.4	51.0	51.0	51.3	51.4	50.8	50.2	50.8	51.1	51.0	51.3	52.0	51.7	51.9	52.4	52.4	51.9	50.8	66.2
" 18, ...	51.8	51.6	51.5	51.6	51.5	51.5	52.0	51.9	52.0	53.4	53.7	54.7	53.8	53.6	53.8	54.4	53.6	52.2	52.8	52.6	51.2	51.4	49.8	49.9	52.3	84.3
" 19, ...	49.0	48.6	48.1	48.1	47.7	47.4	46.7	47.3	47.9	49.8	50.9	51.1	52.3	52.1	52.4	51.9	52.6	50.3	50.0	49.5	49.2	52.5	53.2	52.1	50.0	116.2
" 20, ...	48.4	48.1	47.6	47.5	47.4	47.4	47.0	47.7	48.3	48.8	48.1	49.0	49.8	48.9	48.8	49.0	48.3	47.9	47.9	48.0	47.3	46.6	46.8	47.2	48.0	83.9
" 21, ...	47.5	47.7	49.3	50.3	50.0	49.8	49.7	49.3	49.1	47.2	47.1	47.0	46.8	47.5	47.6	48.2	48.2	47.6	47.5	49.0	48.8	49.7	49.8	50.2	48.5	64.5
" 22, ...	50.4	50.3	50.1	49.3	48.7	47.6	48.2	48.7	48.5	50.2	50.6	53.1	53.7	54.6	54.8	54.6	54.5	54.8	55.0	55.1	55.0	54.9	54.7	54.6	52.2	88.0
" 23, ...	54.7	54.6	54.8	54.8	55.0	55.0	55.4	55.5	55.8	56.7	56.8	58.4	57.4	58.2	58.0	58.8	58.7	57.7	57.5	57.6	57.7	57.8	58.3	58.3	56.8	90.7
" 24, ...	57.8	57.8	57.6	57.5	57.2	57.2	57.2	58.7	59.0	60.0	61.2	63.8	62.3	62.2	61.7	60.4	60.2	60.2	59.5	59.0	59.0	59.2	59.6	59.5	59.5	120.7
" 25, ...	59.5	59.8	59.8	59.5	58.8	58.2	58.2	59.2	59.8	59.9	60.3	60.3	60.6	60.4	60.6	60.4	60.3	60.3	59.6	59.7	60.2	60.7	61.1	61.4	59.9	110.8
" 26, ...	61.0	61.1	61.2	60.9	60.8	60.8	60.1	60.3	59.0	59.0	59.7	59.6	58.5	58.3	58.5	58.2	58.6	58.9	59.5	58.6	58.7	59.2	59.9	59.6	59.6	105.9
" 27, ...	59.0	58.7	58.5	58.5	58.8	59.5	58.8	58.7	58.2	57.9	58.0	57.5	57.3	57.4	57.0	57.2	57.0	57.1	57.1	58.0	57.2	57.6	57.8	57.9	57.9	80.1
" 28, ...	58.0	58.2	58.2	58.1	58.4	58.3	58.7	58.9	58.7	59.6	60.4	62.0	62.3	62.4	62.8	62.0	60.9	61.0	61.2	60.6	60.6	60.5	60.1	59.0	60.0	82.0
" 29, ...	57.6	57.1	56.6	56.4	55.8	55.2	54.7	54.8	54.7	54.9	54.2	54.1	53.8	54.4	54.1	54.0	53.7	53.7	53.8	53.6	54.2	54.0	53.8	53.8	54.7	86.5
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	53.3	53.2	53.2	53.2	53.0	52.9	52.9	53.2	53.5	53.8	54.1	54.5	54.4	54.6	54.3	54.2	53.9	53.6	53.6	53.5	53.4	53.7	53.8	53.6	53.6	89.8

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF FEBRUARY, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	87	0.386	Feb. 1,.....	91	0.436
2 „	87	.386	„ 2,.....	79	.425
3 „	87	.387	„ 3,.....	85	.417
4 „	89	.389	„ 4,.....	78	.367
5 „	88	.385	„ 5,.....	81	.373
6 „	88	.383	„ 6,.....	88	.397
7 „	87	.379	„ 7,.....	94	.471
8 „	87	.383	„ 8,.....	97	.511
9 „	85	.386	„ 9,.....	89	.446
10 „	84	.387	„ 10,.....	74	.324
11 „	82	.388	„ 11,.....	82	.345
Noon.	82	.393	„ 12,.....	88	.359
1 p.	81	.389	„ 13,.....	79	.304
2 „	81	.393	„ 14,.....	85	.296
3 „	81	.388	„ 15,.....	74	.242
4 „	82	.390	„ 16,.....	82	.280
5 „	83	.387	„ 17,.....	90	.353
6 „	83	.382	„ 18,.....	86	.363
7 „	84	.385	„ 19,.....	57	.265
8 „	84	.383	„ 20,.....	60	.253
9 „	84	.382	„ 21,.....	75	.293
10 „	86	.390	„ 22,.....	90	.374
11 „	87	.394	„ 23,.....	94	.450
Midt.	87	.391	„ 24,.....	91	.491
			„ 25,.....	92	.500
			„ 26,.....	96	.503
			„ 27,.....	94	.468
			„ 28,.....	94	.506
			„ 29,.....	86	.402
			.....	...	...
			.....	...	...
Means,.....	85	0.387	Means.	85	0.387

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1896.														
Feb. 1,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,.....	...	...	...	...	...	...	0.3	0.6	...	0.2	1.0	0.5	...	2.6
„ 3,.....	...	...	0.2	0.1	0.3	...	...	...	...	...	...	...	...	0.6
„ 4,.....	...	...	...	...	...	...	0.1	...	...	...	...	...	...	0.1
„ 5,.....	...	...	...	...	...	0.6	...	...	...	...	...	...	...	0.6
„ 6, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,.....	...	...	...	...	...	...	...	0.1	...	...	...	...	...	0.1
„ 8,.....	...	...	...	...	...	0.1	0.3	0.1	...	...	...	...	...	0.5
„ 9,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,.....	...	...	...	0.1	...	...	...	...	...	...	...	...	...	0.1
„ 11,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,.....	...	...	0.1	0.1	...	...	0.1	0.4	0.1	...	...	...	...	0.8
„ 16,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,.....	...	0.1	...	0.1	0.4	1.0	1.0	1.0	1.0	1.0	0.9	0.3	...	6.8
„ 20,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,.....	...	...	0.4	0.9	...	0.6	0.4	0.1	...	...	...	...	...	2.4
„ 25,.....	...	0.2	1.0	...	0.1	...	0.1	0.3	...	...	...	...	...	1.7
„ 26,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	0.3	1.7	1.3	0.8	2.3	2.3	2.6	1.1	1.2	1.9	0.8	...	16.3

TABLE VI.

RAINFALL FOR THE MONTH OF FEBRUARY, 1896.

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.	Duration Hours.
Feb. 1,	0.285	0.320	0.095	0.295	0.390	0.220	0.220	0.075	0.015	0.050	0.050	0.045	...	0.055	...	0.030	...	...	0.020	0.010	0.010	...	...	...	2.185	18
" 2,	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.020	1
" 3,	0.075	0.010	0.065	0.040	0.035	0.005	...	...	0.015	0.005	...	...	0.020	...	...	...	...	...	...	...	...	...	...	...	0.270	8
" 4,	...	...	...	...	...	...	...	...	0.040	0.005	0.120	...	...	...	...	...	...	...	...	...	...	...	...	...	0.165	3
" 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
" 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
" 7,	...	...	0.035	0.005	0.005	0.005	...	...	...	...	...	...	...	...	...	...	...	0.010	0.010	...	0.005	0.005	...	0.005	0.085	17
" 8,	...	...	...	...	...	0.005	...	...	0.015	...	...	...	...	...	...	0.005	0.005	0.005	0.010	...	0.005	...	...	...	0.050	17
" 9,	...	0.005	0.005	0.025	0.090	0.140	0.060	0.035	0.010	...	0.015	0.040	...	0.005	0.005	0.005	0.005	0.005	...	...	...	...	...	...	0.450	12
" 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 12,	...	0.005	0.045	0.005	...	0.020	...	0.005	0.035	0.005	0.005	...	...	...	0.005	0.025	0.010	0.005	...	...	...	...	0.005	0.040	0.215	9
" 13,	0.010	...	...	...	0.010	...	...	...	...	...	...	...	...	...	...	0.005	0.010	0.005	0.010	...	...	...	...	...	0.050	10
" 14,	...	...	...	...	...	...	...	...	0.030	0.090	0.100	0.075	...	0.025	...	0.020	...	...	0.005	0.030	0.050	0.110	...	...	0.535	11
" 15,	0.070	0.085	0.055	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.005	0.025	0.250	8
" 16,	0.005	0.005	0.005	0.005	0.005	0.025	...	...	...	...	...	...	...	...	...	...	...	0.005	0.010	0.010	0.015	0.010	0.005	0.005	0.110	12
" 17,	...	...	...	...	...	...	...	...	...	...	...	0.005	0.005	...	0.120	0.095	0.010	0.475	0.250	0.005	0.005	...	0.005	0.005	0.980	11
" 18,	0.005	0.005	0.005	0.005	0.005	...	0.005	...	0.005	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	0.040	8
" 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 21,	...	...	0.005	0.005	0.005	0.020	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.010	0.010	0.065	6
" 22,	0.010	0.005	0.005	0.040	0.005	0.005	0.010	0.140	0.020	0.015	0.020	0.005	0.005	0.005	...	...	...	...	0.010	...	0.040	0.140	0.065	0.185	0.730	18
" 23,	0.090	0.015	0.005	0.015	0.025	0.150	0.080	0.180	0.030	0.020	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	0.620	12
" 24,	0.040	0.010	0.110	0.040	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.200	4
" 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 26,	...	...	...	...	...	0.010	0.525	0.015	...	...	...	...	...	...	...	...	0.005	0.010	0.010	0.010	0.070	0.020	0.010	0.010	0.695	9
" 27,	0.020	0.005	0.005	0.060	0.040	0.005	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.145	9
" 28,	...	...	...	...	...	...	...	...	...	0.005	0.015	...	...	...	...	0.010	0.020	0.025	0.005	...	...	...	...	...	0.080	17
" 29,	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	11
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.620	0.470	0.440	0.540	0.615	0.610	0.920	0.450	0.215	0.195	0.340	0.170	0.030	0.090	0.130	0.195	0.065	0.545	0.340	0.065	0.200	0.300	0.105	0.295	7.945	238

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF FEBRUARY, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Feb. 1.	6	23	6	9	7	19	31	8	31	3	...	1	13	11	8	29	7	27	7	30	7	32	7	29	7	29	7	26	7	24	7	28	7	33	7	30	6	28	7	26	7	32	6	23	6	17	5	15	532	22.2	7
" 2,	6	13	7	12	8	5	9	2	1	11	32	6	2	8	2	3	...	1	32	5	11	2	1	11	12	5	10	7	10	11	9	14	9	13	10	15	9	18	7	20	7	15	7	17	7	14	4	9	237	9.9	7
" 3,	2	10	8	12	8	9	7	12	7	17	7	28	7	40	7	38	7	31	7	35	7	31	7	20	7	11	7	11	7	7	8	2	30	2	...	1	30	3	32	9	2	8	2	6	2	4	2	5	352	14.7	6
" 4,	32	8	1	8	31	6	31	3	31	2	1	8	12	6	31	5	5	5	1	6	27	6	6	2	...	1	24	4	1	7	32	7	1	4	32	10	2	5	2	7	32	3	32	2	32	4	32	4	123	5.1	32
" 5,	30	2	6	8	4	18	6	13	7	15	5	23	7	20	7	19	4	15	5	16	7	21	4	17	6	15	5	17	5	16	6	9	2	6	3	6	30	5	30	2	2	8	32	8	3	7	1	5	291	12.1	5
" 6,	3	8	32	6	4	14	5	12	6	15	6	14	6	21	6	13	6	15	6	20	5	15	7	17	6	20	6	21	7	21	6	22	6	23	7	21	7	21	7	24	7	24	7	23	7	25	7	24	439	18.3	6
" 7,	7	21	7	22	7	19	7	27	7	26	7	27	7	27	8	27	8	25	7	23	7	23	8	30	7	30	7	30	7	28	7	27	7	29	7	33	7	34	7	31	7	31	8	36	7	34	7	29	669	27.9	7
" 8,	7	30	7	28	8	29	7	31	8	28	7	30	7	29	7	28	7	24	7	25	8	23	9	29	8	27	8	27	8	31	7	25	9	20	8	20	9	15	8	19	8	19	9	16	10	17	9	14	584	24.3	8
" 9,	12	12	9	4	9	2	32	2	...	1	25	12	22	3	22	5	32	10	31	7	32	5	26	3	16	4	32	5	32	7	30	4	2	4	2	6	32	5	2	4	2	9	1	13	30	11	30	7	145	6.0	32
" 10,	4	5	32	7	1	6	32	8	32	12	3	9	1	10	32	13	2	8	6	4	32	10	4	7	32	7	2	5	1	10	32	8	1	6	5	5	1	6	2	6	5	16	5	17	5	21	5	20	226	9.4	1
" 11,	5	25	3	16	4	18	5	14	5	14	4	15	3	14	7	19	7	17	7	18	7	18	5	15	5	13	32	6	1	7	32	11	32	8	32	10	32	4	1	12	5	6	1	4	2	6	2	3	293	12.2	4
" 12,	1	10	32	6	2	5	30	6	1	10	1	7	2	5	6	6	30	2	2	3	7	12	5	13	7	13	28	3	30	4	2	5	...	1	30	6	1	8	1	10	2	9	31	8	1	8	32	8	168	7.0	2
" 13,	2	11	32	9	1	9	32	14	32	15	1	10	5	11	5	20	4	19	5	14	5	19	3	14	5	11	2	10	32	9	32	14	32	12	32	12	32	12	1	14	32	16	32	6	1	8	1	7	296	12.3	2
" 14,	1	7	32	9	4	12	32	6	5	12	3	19	4	16	3	17	32	12	32	9	30	7	1	9	32	13	3	14	1	17	1	17	32	16	1	10	32	14	1	6	32	11	31	7	32	9	32	16	285	11.9	1
" 15,	32	15	1	12	2	9	2	18	1	16	32	16	32	12	2	14	1	13	32	11	32	10	2	7	32	8	2	9	32	12	32	12	32	15	31	12	32	11	2	6	1	8	2	6	4	7	1	12	271	11.3	1
" 16,	1	9	32	10	31	12	32	10	32	11	32	10	3	11	2	9	30	3	5	8	3	8	3	4	25	6	24	6	1	7	1	10	32	4	32	5	31	7	30	5	31	6	2	3	5	13	5	14	191	8.0	1
" 17,	5	13	7	11	5	13	7	15	7	14	7	14	3	11	6	12	3	8	5	5	31	3	27	4	2	6	32	3	28	4	19	3	20	4	30	5	23	9	24	5	26	3	23	3	24	5	25	4	177	7.4	4
" 18,	26	9	26	8	24	10	26	6	27	7	26	8	23	8	23	6	27	6	23	5	23	6	22	5	22	6	23	8	24	11	27	15	29	9	31	6	32	4	1	6	2	4	32	9	31	10	1	8	180	7.5	27
" 19,	32	5	32	6	2	9	32	4	32	6	3	11	32	11	32	12	1	7	31	4	29	7	32	5	7	5	2	6	2	6	16	3	1	7	32	10	32	10	32	11	1	13	7	15	7	14	6	14	201	8.4	2
" 20,	32	15	1	11	1	14	1	5	1	6	1	8	2	8	1	6	32	6	1	9	3	15	4	11	5	11	32	12	31	11	32	11	2	9	32	12	32	12	32	13	32	12	1	15	2	12	1	10	254	10.6	1
" 21,	5	14	5	15	7	24	7	25	7	23	7	27	7	30	6	32	7	39	6	36	5	30	5	30	5	25	6	26	6	28	6	18	5	21	32	11	4	24	4	23	7	30	7	32	6	30	6	26	619	25.8	6
" 22,	6	22	7	21	6	16	28	9	1	11	1	12	23	7	2	6	3	4	15	3	17	6	24	6	20	2	17	2	23	4	23	2	10	7	26	3	26	5	10	15	8	20	8	18	9	14	11	8	223	9.3	7
" 23,	10	13	7	16	8	22	8	14	7	8	9	8	...	1	9	4	31	2	...	0	29	3	24	3	23	7	26	6	22	4	22	4	...	1	21	3	22	2	14	2	12	4	2	3	...	0	7	7	137	5.7	8
" 24,	7	11	9	11	5	2	28	5	22	6	...	1	...	1	...	1	25	4	9	4	9	4	9	3	23	5	27	5	29	6	26	6	26	2	...	1	...	0	26	2	...	1	...	1	22	2	...	0	84	3.5	32
" 25,	...	0	...	1	...	1	...	1	10	4	9	11	9	16	9	16	8	15	8	15	8	16	7	15	8	18	8	16	7	15	6	14	8	20	7	21	8	25	8	20	9	20	9	19	8	17	8	18	334	13.9	8
" 26,	8	19	9	20	8	23	7	24	9	25	7	23	9	25	9	27	7	32	8	25	8	28	8	30	8	34	8	35	8	35	8	27	8	29	8	28	8	30	8	28	8	21	7	19	8	24	7	19	630	26.2	8
" 27,	8	25	8	28	8	35	7	27	7	28	8	32	7	29	8	36	7	34	7	31	7	34	7	28	7	30	8	32	8	28	8	34	8	29	8	26	8	30	8	27	8	32	7	22	8	29	8	24	710	29.6	8
" 28,	8	28	8	29	8	26	8	31	7	27	8	28	8	26	8	24	8	22	8	16	10	6	...	1	...	1	9	3	5	2	...	0	...	1	...	1	5	2	7	6	9	7	9	15	9	13	9	21	336	14.0	8
" 29,	8	25	7	20	7	21	7	21	7	21	7	23	6	25	6	27	7	26	6	27	7	21	7	22	7	24	8	21	8	24	7	20	7	25	7	26	7	27	7	26	7	26	7	28	7	29	7	31	586	24.4	7
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	408	...	375	...	408	...	373	...	394	...	441	...	442	...	474	...	432	...	414	...	421	...	390	...	387	...	376	...	396	...	372	...	360	...	355	...	376	...	385	...	414	...	394	...	404	...	382	9573	398.9	...
Means,	...	14.1	...	12.9	...	14.1	...	12.9	...	13.6	...	15.2	...	15.2	...	16.3	...	14.9	...	14.3	...	14.5	...	13.4	...	13.3	...	13.0	...	13.7	...	12.8	...	12.4	...	12.2	...	13.0	...	13.3	...	14.3	...	13.6	...	13.9	...	13.2	330.1	13.8	...

TABLE VIII.

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
1896.												
Feb. 1, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	E
„ 2, ...	10	nim.	E	10	str.	...	10	cum.	E	10	cum.	ENE
„ 3, ...	10	cum-nim.	...	10	nim.	...	7	cum.	E	10	cum-nim.	ENE
„ 4, ...	10	str.	...	10	str-cum.	...	10	str.	...	10	nim.	...
„ 5, ...	10	str-cum.	...	10	str.	...	10	nim.	ENE	10	nim.	ENE
„ 6, ...	10	str.	...	10	str.	...	10	str-cum.	ENE	10	str-cum.	E
„ 7, ...	10	nim.	...	10	nim.	...	10	cum-nim.	E	10	nim.	ENE
„ 8, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	SE
„ 9, ...	10	cum-nim.	...	10	nim.	...	10	nim.	SW	10	str-cum. / cum-nim.	...
„ 10, ...	10	str.	...	10	str.	...	10	str.	...	10	str-cum.	...
„ 11, ...	10	str.	...	10	str.	...	10	str. / cum.	E	10	str-cum.	E
„ 12, ...	10	nim.	...	10	cum-nim.	...	10	str. / cum-nim.	ENE	10	nim.	ENE
„ 13, ...	10	nim.	...	10	nim.	...	10	R-cum.	ENE	10	str-cum. / R-cum.	ENE
„ 14, ...	10	cum-nim.	...	10	cum-nim.	...	10	R-cum.	ENE	10	nim.	NE
„ 15, ...	10	nim.	...	10	nim.	...	8	sm-cum. / cum.	...	10	str-cum.	NE
„ 16, ...	10	nim.	...	10	nim.	...	10	str-cum.	...	10	str-cum.	ENE
„ 17, ...	10	str.	...	10	str.	...	10	cum-nim.	NE	10	str-cum.	NE
„ 18, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	...
„ 19, ...	7	str-cum.	SW	10	str.	...	4	c-cum. / sm-cum.	...	10	sm-cum.	W
„ 20, ...	10	str-cum.	...	10	nim.	...	10	sm-cum. / cum.	W / NNE	10	c-cum.	W
„ 21, ...	10	str-cum.	...	10	nim.	...	10	nim.	E	10	sm-cum. / cum.	ENE
„ 22, ...	10	nim.	...	10	nim.	...	10	nim.	NE	10	nim.	ENE
„ 23, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	nim.	...
„ 24, ...	10	nim.	...	10	nim.	...	10	str.	...	9	sm-cum. / cum.	SW
„ 25, ...	10	cum.	SW	7	cum.	...	4	cum.	ESE	9	sm-cum. / cum.	SE
„ 26, ...	10	str.	...	10	str.	...	10	nim.	...	10	str-cum.	E
„ 27, ...	10	nim.	...	10	nim.	...	10	cum-nim.	E	10	str.	E
„ 28, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	...
„ 29, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	nim.	ENE
.....	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	9.9	...	...	9.9	...	...	9.4	...	...	9.9	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
Feb. 1,...	10	nim.	ENE	10	nim.	ENE	10	nim.	ENE	10	cum-nim.	ENE	10.0
„ 2,...	6	cum.	NNE	4	sm-cum. / cum.	SW / NNE	7	cum.	...	10	str-cum.	...	8.4
„ 3,...	10	cum-nim.	ENE	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	9.6
„ 4,...	10	str-cum. / cum.	...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10.0
„ 5,...	10	cum.	ENE	10	str-cum.	ENE	10	str-cum.	ENE	10	str-cum.	...	10.0
„ 6,...	10	nim.	E	10	str-cum.	ENE	10	str-cum.	...	10	cum-nim.	...	10.0
„ 7,...	10	nim.	E	10	nim.	ENE	8	str-cum.	...	10	str-cum.	...	9.7
„ 8,...	10	nim.	E	10	nim.	E	10	nim.	E	10	nim.	E	10.0
„ 9,...	10	nim.	...	10	cum-nim.	...	10	str-cum.	...	10	str.	...	10.0
„ 10,...	10	str-cum.	ENE	10	str-cum.	NE	10	str-cum.	...	10	str-cum.	...	10.0
„ 11,...	10	str-cum.	E	10	str-cum.	E	10	str-cum.	...	10	str-cum.	...	10.0
„ 12,...	10	str-cum. / cum.	ENE	10	nim.	ENE	10	str.	...	10	nim.	...	10.0
„ 13,...	10	str-cum.	ENE	10	nim.	ENE	10	nim.	...	10	str-cum.	...	10.0
„ 14,...	10	str. / R-cum.	NE	10	nim.	NE	10	nim.	NE	10	nim.	...	10.0
„ 15,...	9	sm-cum. / cum.	W / ENE	10	str-cum.	...	10	str.	...	10	nim.	...	9.6
„ 16,...	10	str-cum.	...	10	str-cum.	...	10	nim.	...	10	nim.	...	10.0
„ 17,...	10	nim.	...	10	nim.	NE	10	nim.	...	10	cum-nim.	...	10.0
„ 18,...	10	str-cum.	...	10	sm-cum. / cum.	W / ..	10	sm-cum. / cum.	W / ..	10	cum.	...	10.0
„ 19,...	0	...	...	6	sm-cum.	W	9	sm-cum.	W	10	str-cum.	...	7.0
„ 20,...	10	str-cum.	...	10	sm-cum.	W	10	str-cum.	...	10	str-cum.	...	10.0
„ 21,...	10	cum.	ENE	10	cum.	ENE	10	cum-nim.	ENE	10	nim.	ENE	10.0
„ 22,...	10	cum-nim.	...	10	cum-nim.	...	10	nim.	...	10	nim.	...	10.0
„ 23,...	10	cum-nim.	...	10	str-cum.	...	10	str-cum.	...	10	str.	...	10.0
„ 24,...	10	str-cum.	SW	10	sm-cum.	WSW	9	sm-cum.	SW	9	sm-cum.	SW	9.6
„ 25,...	9	sm-cum. / cum.	SSE	9	sm-cum. / cum.	S	10	R-cum.	SSE	10	str.	...	8.5
„ 26,...	10	str.	E	10	str.	E	10	nim.	E	10	nim.	E	10.0
„ 27,...	10	str-cum.	E	10	str-cum.	E	10	str-cum.	E	10	nim.	E	10.0
„ 28,...	10	str-cum.	...	10	nim.	...	10	nim.	...	9	sm-cum. / cum.	WSW / E	9.9
„ 29,...	10	cum.	E	10	str. / cum.	E	10	cum.	...	10	str-cum.	E	10.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	9.4	...	...	9.6	...	...	9.8	...	...	9.9	...	...	9.7

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF FEBRUARY, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	5.7	10.2	0.4	0.3	+ 5.3	+ 9.9	E 28° N
2 „	4.8	9.5	0.2	0.2	4.6	9.3	E 26° N
3 „	4.9	11.0	0.0	0.4	4.9	10.6	E 25° N
4 „	5.1	9.2	0.0	0.7	5.1	8.5	E 31° N
5 „	5.6	9.6	0.3	0.4	5.3	9.2	E 30° N
6 „	6.1	11.1	0.1	0.7	6.0	10.4	E 30° N
7 „	5.4	11.6	0.7	0.6	4.7	11.0	E 23° N
8 „	5.0	13.3	0.4	0.4	4.6	12.9	E 19° N
9 „	5.3	11.7	0.0	0.4	5.3	11.3	E 25° N
10 „	4.9	11.7	0.2	0.2	4.7	11.5	E 23° N
11 „	4.7	11.4	0.4	0.8	4.3	10.6	E 22° N
Noon.	4.6	10.8	0.3	0.7	4.3	10.1	E 23° N
1 p.	3.8	10.5	0.4	0.8	3.4	9.7	E 19° N
2 „	3.9	9.7	0.3	1.0	3.6	8.7	E 22° N
3 „	4.9	9.4	0.2	1.0	4.7	8.4	E 29° N
4 „	5.2	8.2	0.3	0.9	4.9	7.3	E 33° N
5 „	4.7	8.6	0.4	0.4	4.3	8.2	E 28° N
6 „	5.1	7.8	0.3	0.4	4.8	7.4	E 33° N
7 „	5.3	8.6	0.3	0.7	5.0	7.9	E 32° N
8 „	5.2	9.4	0.3	0.3	4.9	9.1	E 29° N
9 „	5.1	10.7	0.3	0.1	4.8	10.6	E 24° N
10 „	4.7	10.5	0.4	0.2	4.3	10.3	E 23° N
11 „	4.8	11.0	0.4	0.4	4.4	10.6	E 23° N
Midt.	5.3	9.9	0.4	0.2	+ 4.9	+ 9.7	E 27° N
Means,.....	5.0	10.2	0.3	0.5	+4.71	+ 9.72	E 26° N

PHENOMENA :—

Fog :—on the 24th, 25th and 28th.

Slight fog :— on the 8th.

Rainbow :—on the 3rd.

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF MARCH, 1896.

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,...	30.019	30.004	29.996	30.000	30.001	30.024	30.041	30.053	30.080	30.085	30.067	30.011	29.980	29.952	29.947	29.945	29.948	29.961	29.981	29.993	29.995	30.002	29.996	29.996	30.003
„ 2,...	29.986	29.988	.993	29.997	29.991	.007	.014	29.983	29.985	.005	29.987	29.950	.907	.887	.861	.857	.849	.847	.853	.874	.882	29.883	.885	.869	29.931
„ 3,...	.871	.864	.862	.860	.863	29.877	29.864	.897	.913	29.920	.904	.868	.834	.806	.794	.803	.810	.820	.841	.885	.897	.921	.935	.941	.869
„ 4,...	.951	.960	.938	.918	.926	.932	.964	.964	30.002	30.017	30.046	30.029	30.005	.995	.996	.999	30.010	30.015	30.031	30.041	30.061	30.077	30.053	30.052	.999
„ 5,...	30.057	30.031	30.037	30.034	30.049	30.081	30.110	30.120	.131	.138	.128	.101	.058	30.032	30.049	30.066	.066	.081	.078	.089	.101	.107	.111	.105	30.082
„ 6,...	.081	.071	.042	.062	.072	.112	.107	.133	.152	.144	.140	.117	.078	.062	.046	.050	.068	.063	.073	.078	.110	.112	.097	.091	.090
„ 7,...	.076	.047	.035	.029	.044	.045	.071	.084	.093	.106	.095	.065	.046	.031	.002	29.990	29.998	.017	.024	.043	.044	.057	.045	.074	.048
„ 8,...	.051	.040	.030	.021	.026	.036	.048	.068	.071	.066	.066	.044	.018	29.988	29.966	.960	.972	29.972	29.990	.001	.031	.026	.015	.014	.022
„ 9,...	29.989	29.979	29.935	29.953	29.951	29.952	29.972	29.976	29.983	29.990	.016	29.978	29.932	.912	.895	.906	.912	.923	.923	29.957	29.951	29.950	29.947	29.945	29.951
„ 10,...	.934	.934	.888	.904	.882	.928	.927	.954	.960	.951	29.959	.945	.904	.882	.856	.864	.869	.881	.893	.921	.945	.944	.935	.939	.917
„ 11,...	.930	.918	.898	.888	.887	.913	.919	.936	.960	.948	.940	.907	.894	.887	.872	.851	.861	.895	.898	.890	.927	.937	.936	.935	.909
„ 12,...	.926	.906	.878	.869	.869	.888	.946	.960	.973	.971	.966	.940	.918	.887	.871	.878	.885	.895	.917	.935	.962	.973	.976	.980	.924
„ 13,...	.959	.951	.941	.932	.947	.963	.972	.982	.995	.990	.990	.953	.930	.896	.866	.872	.862	.872	.882	.902	.899	.906	.901	.904	.928
„ 14,...	.890	.874	.852	.847	.838	.852	.892	.900	.914	.921	.903	.883	.854	.826	.824	.812	.808	.822	.842	.843	.868	.877	.880	.867	.862
„ 15,...	.853	.840	.825	.821	.835	.842	.874	.893	.896	.886	.888	.861	.841	.812	.789	.780	.786	.795	.820	.838	.855	.873	.879	.859	.843
„ 16,...	.848	.825	.812	.803	.811	.819	.839	.853	.850	.852	.840	.822	.782	.760	.753	.743	.738	.746	.768	.784	.794	.803	.792	.806	.802
„ 17,...	.799	.782	.774	.773	.779	.800	.814	.826	.841	.848	.854	.834	.805	.774	.761	.760	.764	.769	.782	.783	.799	.814	.819	.813	.799
„ 18,...	.804	.806	.781	.782	.795	.806	.825	.847	.855	.848	.845	.824	.802	.765	.746	.740	.744	.758	.768	.772	.780	.784	.775	.765	.792
„ 19,...	.745	.720	.704	.714	.728	.744	.755	.770	.778	.772	.763	.736	.713	.673	.663	.660	.674	.686	.694	.716	.744	.768	.780	.775	.728
„ 20,...	.773	.763	.753	.749	.760	.787	.808	.854	.884	.932	.936	.941	.930	.924	.946	.942	.943	.985	30.010	30.046	30.079	30.110	30.125	30.163	.923
„ 21,...	30.131	30.145	30.130	30.141	30.178	30.155	30.187	30.210	30.227	30.221	30.212	30.198	30.153	30.124	30.114	30.111	30.108	30.130	.151	.173	.183	.193	.191	.172	30.164
„ 22,...	.180	.167	.138	.130	.152	.160	.174	.196	.201	.208	.193	.168	.136	.101	.081	.081	.085	.095	.119	.123	.142	.147	.138	.144	.144
„ 23,...	.136	.119	.094	.081	.084	.100	.107	.132	.130	.114	.105	.076	.048	.020	29.992	29.993	29.975	29.976	29.995	.028	.057	.075	.068	.054	.065
„ 24,...	.047	.045	.030	.042	.052	.071	.110	.125	.129	.126	.118	.093	.061	.042	30.031	30.026	30.034	30.055	30.073	.085	.106	.110	.116	.113	.077
„ 25,...	.100	.088	.069	.053	.069	.084	.100	.127	.152	.148	.146	.123	.084	.042	.016	.016	.017	.019	.030	.040	.060	.072	.064	.057	.074
„ 26,...	.043	.033	.026	.024	.033	.047	.071	.094	.105	.085	.078	.060	.028	29.989	29.971	29.963	29.970	29.970	29.954	29.982	29.998	.008	.003	29.981	.021
„ 27,...	29.995	29.978	29.949	29.955	29.953	29.970	.003	.007	.010	.008	29.988	29.975	29.951	.915	.899	.898	.912	.927	.942	.943	.965	29.978	29.976	.963	29.961
„ 28,...	.971	.951	.941	.945	.954	.970	29.980	.004	.011	.006	30.001	.962	.936	.914	.883	.883	.885	.889	.897	.923	.943	.947	.947	.934	.945
„ 29,...	.921	.913	.893	.907	.909	.937	.959	29.971	29.988	29.991	29.989	.978	.950	.916	.884	.880	.878	.887	.894	.915	.930	.940	.940	.929	.929
„ 30,...	.912	.902	.883	.886	.882	.892	.897	.915	.917	.923	.918	.897	.873	.854	.836	.818	.815	.812	.821	.836	.862	.880	.872	.882	.874
„ 31,...	.861	.848	.818	.802	.795	.829	.824	.845	.861	.865	.861	.838	.816	.790	.770	.762	.758	.779	.794	.808	.843	.844	.846	.845	.821
Means,.....	29.963	29.951	29.934	29.933	29.939	29.956	29.973	29.990	30.002	30.003	29.998	29.973	29.944	29.918	29.903	29.900	29.903	29.914	29.927	29.943	29.962	29.972	29.969	29.967	29.952

TABLE II.

TEMPERATURE FOR THE MONTH OF MARCH, 1896.

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,	56.8	56.7	56.3	56.1	56.2	56.3	56.4	57.1	57.8	58.2	57.9	58.0	58.1	58.5	59.1	59.0	58.2	57.4	57.5	57.3	57.4	57.3	57.5	57.4	57.4	59.7	55.9
„ 2,	56.8	56 8	57.1	57.4	57.5	57.6	57.6	59.0	59.1	60.0	62.3	63.4	62.9	62.7	63.6	63.6	63.2	61.3	60.6	60.3	60.1	59.7	59.1	59.0	60.0	63.9	56.8
„ 3,	58.8	58.8	58.8	58.8	58.9	58.8	59.1	61.6	64.5	66.2	69.6	70.4	70.1	71.9	70.7	70.3	69.8	68.1	66.6	66.7	66.1	64.3	59.1	59.3	64.5	72.1	57.8
„ 4,	58.7	58.4	58.0	58.1	57.8	57.7	57.7	57.3	57.7	55.6	55.3	54.7	54.6	54.7	55.2	56.0	56.8	56.6	56.5	56.3	56.7	55.6	55.1	54.6	56.5	59.3	54.1
„ 5,	54.7	54.5	54.3	54.1	54.0	54.1	54.2	54.4	54.6	54.3	54.8	55.3	55.6	55.6	55.2	54.8	55.1	55.3	55.3	54.4	54.3	55.3	54.7	54.7	54.7	56.5	53.2
„ 6,	54.5	54.2	53.9	53.9	54.2	54.3	54.4	54.2	54.4	54.9	55.4	56.7	56.0	55.5	54.4	54.2	53.9	53.7	54.0	54.4	55.1	54.8	54.4	54.2	54.6	56.9	53.0
„ 7,	53.8	54.1	53.9	53.9	53.6	53.4	53.6	53.9	54.5	54.0	55.6	57.3	56.6	56.5	56.7	56.5	54.4	55.8	54.3	54.3	53.8	53.2	53.5	53.3	54.6	58.2	52.6
„ 8,	51.9	52.5	51.7	51.5	51.5	51.5	52.4	53.5	54.8	55.9	56.5	56.9	56.5	55.3	55.2	54 9	54.5	54.3	54.6	54.7	54.7	54.6	54.8	54.8	54.1	57.0	51.0
„ 9,	54.8	54.8	54.6	54.6	54.7	54.7	54.9	55.2	55.5	55.5	54.7	54.6	55.2	55.3	55.0	54.6	54.6	54.7	54.9	54.7	55.3	55.4	55.4	55.4	55.0	56.3	53.7
„ 10,	55.6	55.6	55.5	55.6	55.6	55.5	55.9	56.6	56.7	55.8	55.8	56.3	57.5	57.6	57.2	57.4	57.0	57.1	57.2	57.0	56.3	56.2	56.0	56.0	56.4	58.4	54.7
„ 11,	55.8	55.8	55.7	55.5	55.5	55.6	56.0	56.1	56.0	56.0	56.0	55.8	56.3	55.9	56.6	57.0	57.0	57.3	57.9	59.7	58.6	59.1	59.2	58.8	56.8	59.7	54.6
„ 12,	58.8	58.4	57.6	57.6	57.7	57.6	57.8	57.9	58.8	58.7	58.6	58.6	60.6	62.1	59.7	58.9	59.0	59.2	57.8	57.4	58.1	57.2	56.2	56.0	58.3	62.7	56.0
„ 13,	55.5	55.3	55.2	55.3	55.5	55.6	55.8	55.6	55.7	55.6	55.3	55.6	56.1	56.0	56.1	55.9	56.1	55.9	55.7	55.6	55.9	56.7	56.4	56.5	55.8	57.1	54.9
„ 14,	56.6	56.4	56.3	56.3	56.1	55.7	55.9	55.3	55.7	55.8	57.4	57.4	57.2	57.4	57.7	58.0	58.3	58.5	58.6	58.9	59.0	59.2	59.3	59.4	57.3	59.4	54.6
„ 15,	59.1	59.1	59.4	59.7	59.8	59.6	59.7	60.0	60.8	60.8	60.6	61.0	60·3	59.7	59.6	59.6	59.8	59.9	60.6	60.9	61.0	60.6	60.8	60.9	60.1	61.4	58.6
„ 16,	59.9	59.6	59.7	59.4	58.3	58.3	58.6	58.9	59.6	61.2	59.6	59.7	60.6	61.5	61.0	60.7	61.2	61.4	61.1	61.5	61.6	61.9	61.8	61.6	60.4	62.3	57.3
„ 17,	61.6	62.1	62.3	62.8	62.8	63.1	63.1	64.6	65.5	64.7	67.7	69.9	69.7	70.5	70.7	67.8	64.0	64.8	63.7	64.8	63.8	63.9	64.5	64.6	65.1	71.4	60.9
„ 18,	64.3	64.0	63.6	62.1	62.0	61.5	61.3	61.4	60.9	60.8	60.6	61.6	61.7	61.8	62.9	62.3	61.6	61.9	62.2	62.7	62.6	62.5	62.6	62.9	62.2	65.1	59.1
„ 19,	63.4	63.6	63.6	63.6	63.7	63.8	64.6	64.9	65.9	66.5	65.8	65.7	65.6	66.6	66.5	67.3	66.1	66.9	67.3	67.2	67.6	68.0	67.6	68.4	65.8	68.4	62.7
„ 20,	68.8	69.1	69.0	68.6	69.0	68.6	62.2	59.7	58.8	58.6	56.8	55.7	55.4	54.6	54.4	52.9	52.4	51.2	52.7	52.3	50.8	49.4	48.7	46.9	57.8	70.0	46.9
„ 21,	47.0	46.8	46.9	46.5	46.8	47.0	47.2	47.7	47.2	49.1	50.6	54.4	54.3	53.6	54.2	51.9	51.6	49.9	50.3	50.9	51.1	51.2	50.8	52.0	50.0	55.8	45.9
„ 22,	51.1	49.6	49.1	48.6	48.8	49.0	51.7	52.5	52.9	55.2	55.9	55.7	56.6	56.7	56.5	56.7	56.6	56.5	56.3	56.7	56.2	55.8	55.5	55.8	54.0	58.0	48.0
„ 23,	54.8	54.5	53.7	52.7	53.4	53.6	54.6	56.0	56.8	58.9	61.4	62.9	63.4	63.6	62.6	62.9	61.4	59.1	58.8	58.6	58.9	58.4	57.8	57.8	58.2	64.4	52.2
„ 24,	57.8	57.7	57.7	57.8	57.8	57.8	58.2	60.5	62.3	64.0	65.6	63.6	63.7	61.3	59.7	60.9	59.9	59.3	58.6	58.8	58.6	58.0	57.5	57.4	59.8	67.0	56.8
„ 25,	56.6	55.8	55.3	55.6	55.7	55.8	56.2	56.1	56.3	58.2	58.8	59.7	59.7	59.4	59.0	59.4	58.9	57.7	58.9	58.8	58.7	57.9	57.7	58.0	57.7	60.5	54.6
„ 26,	57.2	57.2	57.6	58.2	58.6	59.1	59.5	60.6	63.2	64.9	65.7	68.1	69.2	69.6	68.2	66.7	66.8	65.9	65.3	64.2	64.7	64.8	64.8	63.0	63.5	69.9	56.7
„ 27,	63.4	63.3	63.0	62.7	63.0	63.0	62.6	63.8	67.6	70.1	74.9	70.9	71.6	70.3	69.6	66.9	65.6	64.7	64.2	63.9	62.7	63.2	63.4	63.4	65.7	77·0	62.1
„ 28,	63.7	64.0	63.3	62.8	62.3	61.6	60.8	61.0	62.2	63.3	63.4	67.8	68.7	68.6	67.2	64.9	66.2	64.5	63.7	62.6	62.7	63.5	63.7	64.0	64.0	69.2	60.1
„ 29,	64.6	64.8	63.2	61.8	62.1	62.0	62.3	62.2	63.0	65.2	66.0	65.8	65.5	66.2	67.6	65.6	64.2	63.6	62.9	63.5	63.6	63.6	64.4	64.6	64.1	67.6	60.9
„ 30,	64.7	65.0	65.5	65.8	65.6	65.8	67.1	68.1	69.7	70.6	71.2	70.3	69.8	70.1	70.9	69.7	69.4	66.6	66.6	65.5	66.7	64.9	64.6	65.1	67.5	72.1	62.9
„ 31,	65.0	64.7	65.7	65.6	65.6	65.3	66.7	67.2	68.5	69.9	72.0	69.4	70.3	68.6	69.5	68.4	67.5	67.2	67.0	66.7	67.7	67.6	67·6	66.2	67.5	72.0	63.7
Means,	58.3	58.2	58.0	57.8	57.9	57.8	58.0	58.5	59.3	60.0	60.7	61.1	61.3	61.2	61.0	60.5	60.0	59.6	59.4	59.4	59.4	59.2	58.9	58.8	59.3	63.5	55.9

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF MARCH, 1896.

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.	Solar Max.
March 1, ...	53.8	53.4	53.4	53.6	53.8	53.8	54.1	54.5	55.0	55.4	55.2	54.9	54.7	54.7	54.9	55.0	54.9	54.7	54.6	54.7	54.8	54.9	55.0	55.4	54.5	113.3
" 2, ...	55.2	55.0	55.1	55.4	55.6	55.8	56.0	56.7	57.0	56.8	58.1	59.0	59.0	59.0	59.4	60.0	60.1	59.0	58.9	59.0	58.8	58.5	58.3	58.2	57.7	121.5
" 3, ...	58.2	58.2	58.1	58.0	58.1	58.0	58.1	60.0	61.5	62.3	64.0	65.1	64.1	65.5	64.9	65.0	63.9	63.9	63.3	63.5	63.2	62.5	57.9	55.8	61.4	122.7
" 4, ...	55.2	55.4	55.0	54.7	54.5	53.8	53.7	54.1	53.6	53.9	52.4	52.4	53.4	53.8	54.2	54.9	55.4	54.8	55.4	54.9	55.0	54.8	54.2	53.7	54.3	82.3
" 5, ...	53.6	52.9	52.7	52.8	52.5	52.6	52.1	52.0	52.1	52.2	52.2	52.5	52.7	52.7	52.3	52.4	52.2	52.8	53.1	53.2	52.6	52.7	52.6	52.3	52.6	73.4
" 6, ...	52.0	51.6	51.8	51.9	52.1	52.2	52.4	51.7	51.7	51.9	52.3	53.3	52.2	52.0	51.4	51.7	52.7	51.8	52.2	52.2	52.5	52.6	52.4	52.2	52.1	99.2
" 7, ...	52.1	51.8	51.8	51.8	52.0	52.1	53.0	52.8	52.9	52.4	54.1	53.8	53.6	53.0	53.2	52.8	51.5	51.3	50.5	50.7	51.0	50.8	51.2	51.6	52.2	83.9
" 8, ...	51.0	51.3	50.2	50.0	49.8	49.6	50.2	50.7	51.8	52.1	52.5	52.6	52.7	52.5	52.2	52.5	52.4	52.2	52.5	52.7	52.6	52.7	52.7	52.7	51.8	80.3
" 9, ...	52.8	52.5	52.4	52.1	52.3	52.2	52.7	52.8	53.1	52.9	52.8	52.7	53.0	53.0	53.2	53.4	53.7	53.9	53.8	53.7	54.6	54.7	54.6	54.7	53.2	91.3
" 10, ...	54.8	54.8	54.7	54.8	54.7	54.8	55.1	55.3	55.3	55.0	55.0	55.7	56.8	56.7	56.3	56.7	56.3	56.8	56.9	56.3	55.6	55.6	55.3	55.3	55.6	80.9
" 11, ...	55.4	55.4	55.3	55.3	55.2	55.1	55.2	55.1	55.3	54.9	55.2	55.3	55.5	55.6	55.8	56.4	56.4	56.7	57.3	58.1	57.3	58.0	57.8	57.8	56.1	62.3
" 12, ...	58.2	57.4	56.5	56.6	56.7	56.4	56.3	57.6	58.2	58.1	57.7	57.6	58.4	59.4	57.7	56.5	57.0	57.3	56.8	56.3	57.0	56.1	55.8	55.0	57.1	93.9
" 13, ...	54.8	54.8	54.6	54.6	54.5	54.6	54.7	54.3	54.2	53.1	52.7	52.1	50.9	51.0	51.1	50.0	50.5	51.0	50.9	51.1	51.5	52.5	51.7	51.7	52.6	80.3
" 14, ...	52.4	52.6	52.8	53.0	53.2	53.5	53.9	54.4	55.0	55.1	56.1	56.2	56.1	56.4	56.8	57.2	57.3	57.5	58.0	58.1	58.3	58.6	58.7	59.2	55.8	103.7
" 15, ...	58.8	58.8	59.0	59.4	59.4	59.4	59.1	59.6	60.4	60.0	60.3	60.7	60.1	59.6	59.5	59.5	59.7	59.8	60.3	60.7	60.6	60.5	60.8	60.8	59.9	83.7
" 16, ...	59.7	59.6	59.5	58.9	57.7	58.0	58.0	58.5	59.0	59.6	59.4	59.5	59.8	60.2	60.3	60.0	60.5	60.4	60.7	60.9	61.1	61.3	61.5	61.4	59.8	110.3
" 17, ...	61.4	61.7	62.2	62.7	62.7	63.0	62.9	64.1	64.9	64.3	66.1	67.4	67.0	67.1	67.3	66.1	64.0	64.7	63.7	64.8	63.8	63.9	64.5	64.6	64.4	129.6
" 18, ...	64.3	63.7	63.4	61.9	61.8	61.3	60.7	60.4	60.3	60.8	60.6	61.2	61.3	61.4	62.3	61.5	61.1	61.8	62.0	61.9	62.1	62.1	62.5	62.7	68.1	105.0
" 19, ...	63.3	63.5	63.5	63.6	63.6	63.8	64.2	64.7	65.7	66.0	65.7	65.3	65.2	66.3	65.8	66.9	65.9	66.8	67.2	67.0	67.4	68.0	67.6	68.3	65.6	102.0
" 20, ...	68.4	68.9	68.4	68.1	68.3	68.0	60.7	58.8	57.0	56.8	55.8	54.7	54.3	53.0	52.5	51.0	49.3	47.0	49.1	48.9	48.0	47.1	46.3	45.0	56.1	75.2
" 21, ...	44.8	44.1	44.0	43.8	43.5	43.5	43.8	44.0	43.8	45.8	45.8	48.7	48.4	48.3	48.3	46.6	46.5	45.2	46.3	46.2	46.3	46.9	46.7	47.0	45.8	108.1
" 22, ...	47.1	46.6	46.5	46.4	46.3	46.7	47.8	48.2	48.8	50.0	50.1	49.8	50.5	50.7	51.6	51.0	50.7	51.8	52.0	51.4	51.8	51.7	52.6	53.0	49.7	89.6
" 23, ...	52.2	51.7	50.0	50.2	50.8	50.8	51.8	52.7	53.1	54.8	55.9	57.4	57.6	57.7	57.4	57.0	56.7	55.4	55.1	55.4	56.0	55.5	55.7	55.6	54.4	119.2
" 24, ...	55.7	55.0	55.1	54.9	55.2	55.1	55.7	56.8	57.8	58.2	59.4	59.7	59.0	57.7	56.7	57.9	57.2	57.0	57.2	56.9	56.8	56.2	55.9	55.7	56.8	118.4
" 25, ...	55.6	54.8	54.5	54.6	54.7	54.8	55.0	55.1	54.9	56.0	55.4	56.1	55.7	55.6	55.7	55.2	54.7	54.5	54.3	54.5	54.6	54.4	55.4	55.4	55.1	112.6
" 26, ...	55.7	55.6	55.9	56.4	57.0	57.4	57.9	58.7	60.4	61.2	61.6	62.7	63.1	63.2	62.9	61.8	61.7	61.4	61.1	60.5	61.2	61.3	61.7	61.0	60.1	118.7
" 27, ...	61.3	61.6	61.4	61.2	61.6	61.4	61.3	62.4	64.7	65.9	68.1	66.0	66.4	65.7	65.5	64.0	63.0	62.2	62.4	61.5	61.0	61.4	61.6	61.6	63.0	127.3
" 28, ...	62.1	62.3	62.1	61.6	61.5	61.1	60.2	60.5	61.2	62.0	61.7	64.6	64.9	65.0	63.9	62.7	63.5	62.4	62.1	61.9	62.0	62.3	63.2	63.3	62.4	128.1
" 29, ...	63.9	64.2	62.9	61.4	61.0	60.8	60.3	60.3	61.0	62.0	62.7	62.9	62.2	62.7	63.7	63.0	62.7	62.7	62.7	63.5	63.5	63.5	64.2	64.3	62.6	118.4
" 30, ...	64.4	64.4	64.6	64.6	64.6	64.6	65.1	65.9	66.7	66.6	66.7	66.2	66.4	67.0	67.6	67.1	66.8	65.1	65.2	64.6	65.3	64.0	64.0	64.6	65.5	126.0
" 31, ...	64.5	64.7	65.2	65.1	64.7	64.6	65.5	66.0	66.4	67.1	67.9	66.5	67.0	66.5	66.8	66.5	66.0	65.7	65.6	65.6	66.4	66.2	66.0	65.2	65.9	119.5
Means, ...	56.9	56.7	56.5	56.4	56.4	56.4	56.4	56.7	57.2	57.5	57.9	58.1	58.1	58.2	58.1	57.8	57.6	57.3	57.5	57.4	57.5	57.5	57.4	57.3	57.3	102.6

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF MARCH, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	92	0.454	Mar. 1,.....	81	0.388
2 „	91	.449	„ 2,.....	87	.448
3 „	91	.445	„ 3,.....	84	.504
4 „	92	.445	„ 4,.....	86	.394
5 „	91	.444	„ 5,.....	87	.370
6 „	92	.445	„ 6,.....	84	.357
7 „	90	.442	„ 7,.....	84	.360
8 „	89	.445	„ 8,.....	85	.356
9 „	88	.449	„ 9,.....	88	.383
10 „	85	.448	„ 10,.....	95	.433
11 „	83	.452	„ 11,.....	96	.444
Noon.	82	.453	„ 12,.....	93	.453
1 p.	81	.450	„ 13,.....	80	.356
2 „	82	.455	„ 14,.....	91	.427
3 „	82	.454	„ 15,.....	99	.514
4 „	84	.451	„ 16,.....	97	.508
5 „	86	.452	„ 17,.....	96	.597
6 „	86	.448	„ 18,.....	97	.548
7 „	88	.457	„ 19,.....	99	.629
8 „	88	.454	„ 20,.....	90	.430
9 „	88	.457	„ 21,.....	71	.255
10 „	90	.460	„ 22,.....	72	.300
11 „	91	.461	„ 23,.....	77	.375
Midt.	91	.459	„ 24,.....	82	.424
			„ 25,.....	84	.401
			„ 26,.....	81	.476
			„ 27,.....	86	.541
			„ 28,.....	92	.544
			„ 29,.....	92	.549
			„ 30,.....	89	.603
			„ 31,.....	92	.617
Means,.....	88	0.451	Means.	88	0.451

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.
1896.														
Mar. 1,.....	...	...	...	...	...	...	0.1	0.5	0.8	0.9	...	...	...	2.3
„ 2,.....	...	...	0.3	1.0	1.0	0.6	0.8	1.0	1.0	1.0	1.0	0.7	...	8.4
„ 3,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.6
„ 4,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,.....	...	...	...	0.1	...	...	0.1	0.2	0.1	...	...	...	...	0.5
„ 17,.....	...	...	...	...	...	0.2	1.0	0.8	1.0	1.0	0.8	...	...	4.8
„ 18,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,.....	...	...	...	...	...	...	...	0.1	...	...	...	...	...	0.1
„ 20,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,.....	...	...	...	...	...	0.3	...	...	0.1	0.1	...	...	...	0.5
„ 22,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,.....	...	...	...	...	...	0.1	0.6	0.2	...	...	0.1	...	...	1.0
„ 24,.....	...	...	...	...	...	0.6	...	...	...	...	...	...	...	0.6
„ 25,.....	...	...	...	...	...	...	0.1	0.7	1.0	1.0	0.9	...	...	3.7
„ 26,.....	...	...	...	...	...	...	0.1	0.1	0.3	...	...	...	...	0.5
„ 27,.....	...	...	...	0.2	0.6	1.0	1.0	1.0	1.0	0.8	1.0	0.7	...	7.3
„ 28,.....	...	...	...	...	...	0.4	1.0	1.0	1.0	1.0	1.0	0.7	...	6.1
„ 29,.....	...	...	0.1	0.3	...	...	...	...	0.1	...	...	...	...	0.5
„ 30,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.5
„ 31,.....	...	0.2	0.7	0.9	1.0	0.7	0.4	...	...	...	...	...	...	3.9
Sums,.....	...	0.7	3.1	4.5	4.6	5.9	7.2	7.6	8.4	7.8	6.8	2.7	...	59.3

TABLE VI.

RAINFALL FOR THE MONTH OF MARCH, 1896.

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.	Duration Hours.
Mar. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 4,	...	...	...	...	...	...	...	...	...	...	...	...	0.020	0.015	0.050	0.015	0.060	0.010	0.005	...	...	...	...	...	0.175	10
" 5,	...	...	...	0.005	0.005	...	...	...	0.005	...	...	...	...	...	...	...	...	...	0.040	0.075	0.010	...	...	...	0.140	8
" 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
" 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.005	0.005	0.010	...	0.015	...	...	0.005	0.050	6
" 10,	...	...	...	0.005	...	...	0.005	...	...	...	...	...	...	...	0.005	0.010	0.005	0.010	0.010	0.005	0.005	0.005	...	...	0.065	20
" 11,	0.015	0.005	...	...	...	...	0.015	...	0.150	0.025	...	...	0.010	0.065	0.025	0.005	0.120	0.175	...	0.005	...	0.005	0.005	0.005	0.630	21
" 12,	0.010	0.005	0.005	0.005	0.020	0.010	0.050	0.020	...	...	...	...	0.010	...	0.005	0.005	...	...	...	...	0.020	0.015	...	0.020	0.200	13
" 13,	0.005	...	...	0.020	0.075	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.100	7
" 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	...	...	...	...	...	0.010	1
" 15,	0.005	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	16
" 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
" 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 20,	...	...	...	...	...	...	...	...	...	0.010	0.010	0.010	0.005	0.005	0.005	...	...	...	...	...	...	...	...	...	0.045	6
" 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
" 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
" 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	0.005	3
" 29,	0.005	...	0.005	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.015	10
" 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
" 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.040	0.010	0.010	0.035	0.100	0.020	0.070	0.020	0.155	0.035	0.010	0.010	0.045	0.085	0.090	0.045	0.190	0.200	0.075	0.085	0.050	0.025	0.010	0.030	1.445	139

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF MARCH, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Mar. 1	7	29	7	27	7	24	7	19	7	17	7	20	7	16	8	16	7	17	8	20	9	23	9	29	8	33	8	27	7	24	7	21	9	21	7	23	8	17	7	19	7	20	9	10	8	9	9	15	496	20.7	8
„ 2	7	20	8	16	7	21	7	21	7	19	8	18	9	28	9	39	9	37	9	33	7	23	7	24	8	24	8	26	8	21	8	15	9	19	9	18	8	19	7	15	8	14	7	9	7	4	7	2	485	20.2	8
„ 3	...	0	...	1	7	2	...	0	...	1	...	0	4	5	22	4	23	8	25	8	24	8	25	7	25	7	23	6	24	10	26	9	26	4	26	2	26	4	25	5	23	3	23	18	7	34	7	41	187	7.8	28
„ 4	6	42	7	41	7	39	7	44	7	44	6	48	7	46	7	42	7	36	7	29	5	26	7	17	8	11	9	3	...	1	...	1	11	4	8	12	7	20	7	17	7	21	7	19	7	27	7	27	617	25.7	7
„ 5	7	27	6	32	7	28	7	21	7	21	7	18	7	20	7	20	6	24	7	20	7	17	7	17	7	23	7	25	7	19	7	14	6	14	6	11	7	20	7	26	6	26	7	31	7	32	7	33	539	22.5	7
„ 6	7	33	7	29	7	29	6	20	6	16	7	14	7	18	7	26	7	21	7	19	7	18	7	18	7	20	7	17	7	19	7	16	7	17	7	17	7	14	7	19	7	17	7	19	7	22	7	23	481	20.0	7
„ 7	7	22	7	28	7	23	6	15	7	15	7	15	7	4	5	3	5	5	3	5	4	5	2	7	10	4	1	8	1	7	32	10	32	10	1	6	2	6	3	5	2	7	32	6	1	6	32	6	228	9.5	5
„ 8	32	3	30	2	1	5	3	6	2	4	1	6	...	0	23	2	...	0	9	9	10	8	6	8	7	12	6	14	7	16	7	16	7	16	7	16	7	20	6	24	6	26	6	25	7	30	7	28	296	12.3	6
„ 9	7	32	7	37	7	40	7	32	7	33	7	35	7	30	7	35	7	33	7	26	7	22	7	24	8	25	8	23	7	22	8	18	9	17	8	17	8	24	7	15	7	22	7	18	7	19	6	16	615	25.6	7
„ 10	7	17	7	15	8	17	5	7	10	14	10	4	10	8	31	7	9	12	8	12	9	4	...	0	12	2	12	2	9	6	...	1	9	3	...	0	...	1	8	13	9	10	9	12	9	19	9	22	208	8.7	8
„ 11	8	20	9	18	9	22	8	27	8	31	7	34	7	27	7	28	8	25	9	27	9	26	8	26	9	22	9	23	10	18	10	24	8	18	9	2	9	3	9	24	9	23	8	24	8	22	9	20	534	22.2	8
„ 12	9	18	9	24	9	25	9	26	9	24	9	16	9	2	28	4	...	1	...	1	18	3	23	2	22	3	19	2	23	5	23	5	11	3	1	5	3	2	9	5	...	1	4	4	7	9	7	14	204	8.5	9
„ 13	7	18	8	15	7	18	7	19	7	16	7	18	7	21	6	21	6	26	7	31	7	30	6	37	7	37	7	37	7	37	7	36	7	35	7	32	7	36	7	29	7	31	7	34	7	34	7	33	681	28.4	7
„ 14	7	35	7	35	8	36	8	34	7	32	7	26	7	23	8	23	9	21	10	21	8	28	7	31	8	31	8	26	8	23	9	24	9	24	8	24	8	24	7	26	7	23	8	23	7	21	7	25	639	26.6	8
„ 15	7	27	7	25	9	25	7	23	8	26	8	24	7	23	7	21	7	24	7	23	7	21	7	26	8	24	8	28	8	29	8	28	8	24	8	26	7	24	8	26	8	29	7	24	9	27	7	29	606	25.3	8
„ 16	8	31	8	28	8	30	8	33	7	31	7	30	7	31	7	31	7	33	7	26	7	27	8	28	7	30	8	27	7	25	8	23	7	23	7	26	8	26	8	24	8	26	8	26	8	24	7	25	664	27.7	8
„ 17	8	26	8	22	7	24	9	18	8	20	7	21	8	19	7	17	7	15	7	14	9	11	8	11	8	12	9	5	9	4	6	8	6	11	6	11	7	14	6	18	7	20	8	16	6	18	7	16	371	15.5	7
„ 18	6	14	6	16	6	18	7	17	8	20	7	22	7	22	7	20	9	21	9	23	8	23	8	24	8	27	9	31	8	24	8	25	8	24	9	23	8	22	8	22	8	24	8	21	8	23	7	21	527	22.0	8
„ 19	8	21	7	17	7	23	7	22	7	22	7	21	7	18	9	19	7	19	7	21	7	19	7	24	7	20	6	18	7	14	6	13	7	16	7	15	7	16	7	17	7	15	7	12	7	13	7	10	425	17.7	7
„ 20	7	8	7	9	7	12	6	8	6	7	7	13	8	40	7	42	7	47	7	38	7	27	4	15	32	7	32	14	32	14	1	18	32	20	32	24	32	19	32	19	31	16	1	15	32	17	32	14	463	19.3	4
„ 21	32	17	31	17	32	15	32	15	32	15	1	13	32	13	1	18	1	16	1	12	1	12	31	16	32	14	31	14	31	16	31	16	32	12	32	10	32	5	1	8	32	12	1	10	3	7	5	20	323	13.5	32
„ 22	1	9	31	8	32	8	31	10	31	8	32	5	5	9	1	7	3	5	3	6	2	5	7	13	7	11	10	8	25	5	25	4	31	8	31	3	5	3	6	6	6	12	5	13	6	12	5	12	190	7.9	3
„ 23	1	6	1	10	1	10	1	5	...	0	1	2	...	1	1	3	25	2	6	8	10	10	11	5	26	6	25	9	26	8	25	6	25	2	25	4	26	5	26	4	4	8	9	13	9	11	10	14	152	6.3	3
„ 24	10	13	10	9	10	2	10	2	...	0	...	1	10	2	...	1	11	2	12	2	10	9	23	10	24	11	24	15	23	15	23	11	26	10	17	8	9	10	9	12	9	15	9	13	8	13	7	13	199	8.3	12
„ 25	7	18	7	22	7	22	7	21	7	21	8	20	8	20	7	19	7	16	8	19	8	17	9	20	9	25	9	25	9	28	8	24	7	24	7	24	7	27	6	28	7	32	7	26	8	32	7	31	561	23.4	8
„ 26	8	27	8	22	8	19	10	15	10	15	10	18	9	15	1	3	...	1	9	12	10	16	8	14	10	15	9	18	9	16	8	15	31	9	10	13	9	18	9	15	9	13	9	7	10	5	10	7	328	13.7	9
„ 27	12	5	20	3	20	2	...	0	...	1	20	4	23	8	22	5	...	1	22	2	11	4	8	14	8	20	7	23	7	28	8	24	8	25	7	22	7	20	8	24	7	22	8	19	9	16	9	17	309	12.9	8
„ 28	8	19	9	16	8	23	9	22	10	18	9	16	8	19	9	18	9	15	7	15	7	13	8	15	8	18	8	18	8	21	8	20	9	21	9	21	8	17	9	16	8	12	8	4	...	0	...	0	377	15.7	8
„ 29	...	0	8	2	10	16	8	25	8	26	8	26	8	28	8	29	9	20	9	19	9	14	9	18	10	19	9	19	9	24	7	24	8	19	7	16	9	12	9	14	7	16	8	16	9	13	9	18	433	18.0	8
„ 30	9	18	10	13	11	13	10	18	10	12	10	14	10	15	10	14	10	14	10	18	9	17	9	21	8	20	9	19	7	15	8	20	7	14	8	15	8	9	8	7	8	6	29	4	29	3	29	2	321	13.4	9
„ 31	...	1	3	4	10	4	5	7	8	16	8	13	9	17	8	17	7	15	8	14	7	14	8	21	7	18	7	19	8	20	9	20	7	21	8	19	8	17	8	16	9	13	9	13	9	15	8	19	353	14.7	8
Sums	...	576	...	563	...	595	...	552	...	545	...	535	...	548	...	554	...	532	...	533	...	500	...	542	...	551	...	549	...	534	...	509	...	488	...	465	...	474	...	518	...	535	...	504	...	537	...	573	12812	533.8	...
Means	...	18.6	...	18.2	...	19.2	...	17.8	...	17.6	...	17.3	...	17.7	...	17.9	...	17.2	...	17.2	...	16.1	...	17.5	...	17.8	...	17.7	...	17.2	...	16.4	...	15.7	...	15.0	...	15.3	...	16.7	...	17.3	...	16.3	...	17.3	...	18.5	413.3	17.2	...

TABLE VIII.

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
1896.												
March 1, ...	10	str-cum.	W	10	str-cum.	W	10	cum.	ENE	10	cum.	E
„ 2, ...	10	nim.	...	10	str.	...	10	R-cum.	E	7	sm-cum. / cum.	W / E
„ 3, ...	10	sm-cum.	W	7	sm-cum.	W	1	sm-cum.	...	0	...	...
„ 4, ...	10	cum.	...	8	cum.	...	8	sm-cum. / cum.	E	10	nim.	E
„ 5, ...	10	str-cum.	...	10	nim.	...	10	cum-nim.	ENE	10	nim.	ENE
„ 6, ...	10	str.	...	10	str.	...	10	str-cum.	E	10	str-cum.	E
„ 7, ...	10	str.	...	10	str.	...	10	nim.	ENE	10	str-cum.	...
„ 8, ...	10	nim.	...	10	str.	...	10	str-cum.	...	10	str-cum.	ENE
„ 9, ...	10	str.	...	10	str.	...	10	R-cum.	E	10	str-cum.	E
„ 10, ...	10	nim.	...	10	nim.	...	10	cum-nim.	ENE	10	nim.	E
„ 11, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	nim.	E
„ 12, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	str-cum.	...
„ 13, ...	10	nim.	...	10	nim.	...	10	str-cum.	E	10	str-cum.	E
„ 14, ...	10	str.	...	10	str.	...	10	str-cum.	...	10	str-cum.	ESE
„ 15, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	ESE
„ 16, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	str.	...
„ 17, ...	10	nim.	...	10	nim.	...	10	fog.	E	10	cum. / fog.	E
„ 18, ...	10	str.	...	10	fog.	...	10	fog.	E	10	fog.	E
„ 19, ...	10	str.	...	10	str.	...	10	fog.	E	10	cum. / fog.	E
„ 20, ...	10	str.	...	10	str.	...	10	nim.	E	10	nim.	E
„ 21, ...	10	str.	...	10	str.	...	10	str.	...	10	str.	...
„ 22, ...	10	str.	...	10	str.	...	10	str-cum.	ENE	10	str-cum.	ENE
„ 23, ...	10	str.	...	10	str.	...	10	str.	...	10	sm-cum. / cum.	E
„ 24, ...	10	str-cum.	S	10	str.	...	10	cum.	WNW	10	cum.	...
„ 25, ...	10	nim.	...	10	nim.	...	9	sm-cum. / cum.	E	10	sm-cum. / cum.	SE
„ 26, ...	10	nim.	...	10	nim.	...	10	cum.	ESE	8	sm-cum.	SE
„ 27, ...	10	str-cum.	SE	10	str.	...	10	str.	...	8	sm-cum.	SSE
„ 28, ...	10	str-cum.	SE	10	str-cum.	SSE	10	nim.	...	8	str-cum.	E
„ 29, ...	10	nim.	...	10	nim.	...	10	cum.	E	10	cum.	E
„ 30, ...	10	cum.	SSE	10	str.	...	0	...	...	1	cum.	...
„ 31, ...	10	str-cum.	S	10	cum.	W	2	cum.	...	8	cum.	S
Means, ...	10.0	...	...	9.8	...	...	9.0	...	...	9.0	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
March 1,...	9	sm-cum. / cum.	E	9	sm-cum. / cum.	E	10	cum.	...	10	str-cum.	E	9.7
„ 2,...	2	sm-cum. / cum.	...	0	...	...	0	...	...	0	...	...	4.9
„ 3,...	0	...	...	0	...	...	0	...	...	10	cum.	...	3.5
„ 4,...	10	nim.	ENE	10	nim.	NE	10	str-cum.	...	10	str-cum.	...	9.5
„ 5,...	10	R-cum.	ENE	10	R-cum.	ENE	10	cum.	ENE	10	str-cum.	...	10.0
„ 6,...	10	str-cum.	E	10	str-cum.	E	10	str-cum.	...	10	nim.	...	10.0
„ 7,...	10	str. / cum.	...	10	str-cum.	NNE	10	str-cum.	...	10	str-cum.	...	10.0
„ 8,...	10	str-cum.	...	10	cum.	E	10	str-cum.	...	10	cum-nim.	...	10.0
„ 9,...	10	str-cum.	E	10	nim.	...	10	nim.	...	10	str-cum.	...	10.0
„ 10,...	10	nim.	ENE	10	nim.	...	10	nim.	...	10	nim.	...	10.0
„ 11,...	10	nim.	E	10	nim.	...	10	nim.	...	10	str-cum.	...	10.0
„ 12,...	10	str-cum.	...	10	str-cum.	...	10	nim.	...	10	nim.	...	10.0
„ 13,...	10	R-cum.	E	10	R-cum.	E	10	R-cum.	E	10	R-cum.	E	10.0
„ 14,...	10	str-cum.	ESE	10	str-cum.	ESE	10	nim.	...	10	str.	...	10.0
„ 15,...	10	nim.	ESE	10	nim.	ESE	10	nim.	...	10	cum-nim.	...	10.0
„ 16,...	10	cum.	SSW	10	str-cum.	E	10	str.	...	10	str.	...	10.0
„ 17,...	9	cum.	WSW	4	cum. / fog.	W / E	10	cum. / fog.	E	10	cum. / fog.	E	9.1
„ 18,...	10	fog.	E	10	str.	E	10	str.	...	10	fog.	...	10.0
„ 19,...	10	cum.	SSW	10	str.	...	10	cum. / fog.	E	10	fog.	...	10.0
„ 20,...	10	nim.	ENE	10	str-cum.	NNE	10	cum.	...	10	cum.	...	10.0
„ 21,...	10	str-cum.	...	10	str-cum.	...	10	cum.	...	10	cum.	...	10.0
„ 22,...	10	str-cum.	ENE	10	str-cum.	NE	10	str.	...	10	cum.	...	10.0
„ 23,...	10	str-cum.	...	9	sm-cum.	...	8	c-cum.	...	10	cum.	...	9.6
„ 24,...	10	str-cum.	...	10	str-cum.	N	10	cum.	...	10	cum.	ESE	10.0
„ 25,...	8	sm-cum. / cum.	SE	10	sm-cum. / cum.	WSW / E	5	c-cum. / cum.	SE	10	cum.	SSE	9.0
„ 26,...	9	sm-cum.	SSE	9	sm-cum.	S	0	...	...	0	...	...	7.0
„ 27,...	3	cum.	...	4	c-cum. / cum.	S	1	cum.	...	2	cum.	E	6.0
„ 28,...	2	cum.	...	1	cum.	...	1	cum.	...	10	nim.	...	6.5
„ 29,...	8	cum.	E	10	str-cum.	E	10	cum. / fog.	E	10	nim.	...	9.8
„ 30,...	6	c-cum. / cum.	W / ..	3	c-cum. / cum.	W / ..	0	...	...	0	...	...	3.7
„ 31,...	10	sm-cum. / cum.	S	9	sm-cum. / cum.	W / ..	10	str-cum.	SE	6	sm-cum. / cum.	SE	8.1
Means,...	8.6	...	...	8.3	...	...	7.9	...	...	8.6	...	...	8.9

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF MARCH, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	3.5	17.1	0.5	0 0	+ 3.0	+ 17.1	E 10° N
2 „	3.6	16.4	0.7	0.3	2.9	16.1	E 10° N
3 „	3.3	17.6	1.0	0.0	2.3	17.6	E 8° N
4 „	3.4	16.4	0.8	0.1	2.6	16.3	E 9° N
5 „	2.8	16.3	0.9	0.1	1.9	16.2	E 7° N
6 „	3.2	16.0	0.7	0.1	2.5	15.9	E 9° N
7 „	2.5	16.6	0.7	0.3	1.8	16.3	E 6° N
8 „	3.5	16.0	0.7	0.5	2.8	15.5	E 10° N
9 „	3.1	15.9	1.0	0.3	2.1	15.6	E 7° N
10 „	2.5	16.0	1.3	0.3	1.2	15.7	E 4° N
11 „	2.5	14.9	1.3	0.3	1.2	14.6	E 5° N
Noon.	2.8	15.7	0.7	0.7	2.1	15.0	E 8° N
1 p.	1.8	16.0	0.8	0.8	1.0	15.2	E 4° N
2 „	2.4	15.3	1.1	1.1	1.3	14.2	E 5° N
3 „	2.7	14.4	0.8	1.5	1.9	12.9	E 8° N
4 „	2.6	13.7	0.7	1.2	1.9	12.5	E 9° N
5 „	3.4	13.1	0.8	0.6	2.6	12.5	E 12° N
6 „	3.0	12.9	0.8	0.3	2.2	12.6	E 10° N
7 „	2.5	13.9	0.3	0.3	2.2	13.6	E 10° N
8 „	3.2	15.2	0.5	0.3	2.7	14.9	E 10° N
9 „	3.5	15.8	0.5	0.2	3.0	15.6	E 11° N
10 „	3.0	14.4	0.5	0.6	2.5	13.8	E 10° N
11 „	2.9	16.2	0.7	0.1	2.2	16.1	E 8° N
Midt.	3.7	17.2	0.8	0.0	+ 2.9	+ 17 2	E 10° N
Means, ...	3.0	15.5	0.8	0.4	+2.20	+ 15.12	E 8° N

PHENOMENA :—

Lunar halo :—on the 23rd.

Lunar corona :—on the 23rd, 25th and 28th.

Thick fog :—on the 17th, 19th and 28th.

Fog :—on the 2nd, 3rd, 18th, 20th, 29th and 31st.

Slight fog :— on the 15th, 24th and 27th.

Haze :—on the 3rd and 30th.

Dew :—on the 2nd and 30th.

Thunder and lightning :—on the 11th.

Thunderstorms :—on the 12th, 6 a.—6.20 a., in S, nearest at 6.7 a. (5').

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF APRIL, 1896.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
April. 1,...	29.821	29.811	29.810	29.812	29.821	29.840	29.858	29.898	29.899	29.911	29.913	29.913	29.896	29.883	29.886	29.894	29.901	29.914	29.930	29.965	29.979	29.997	29.998	29.997	29.898
„ 2,...	.997	30.001	.987	.978	.987	30.001	30.029	30.022	30.040	30.044	30.049	30.038	30.002	.986	.962	.957	.954	.955	.971	.990	30.005	30.009	.992	.972	.997
„ 3,...	.967	29.955	.949	.956	.955	29.966	29.976	29.991	29.973	29.973	29.973	29.951	29.923	.907	.887	.881	.882	.891	.906	.939	29.951	29.943	.954	.940	.941
„ 4,...	.922	.908	.895	.881	.881	.892	.901	.911	.915	.907	.892	.899	.855	.832	.826	.828	.844	.844	.860	.874	.880	.873	.881	.870	.878
„ 5,...	.831	.828	.819	.808	.829	.847	.874	.888	.892	.897	.888	.866	.834	.809	.792	.789	.780	.799	.802	.826	.838	.848	.869	.853	.838
„ 6,...	.832	.818	.788	.790	.782	.804	.815	.827	.836	.844	.835	.816	.793	.769	.747	.734	.745	.757	.759	.780	.796	.798	.800	.789	.794
„ 7,...	.776	.742	.718	.725	.727	.732	.763	.761	.787	.784	.776	.764	.745	.725	.707	.710	.714	.723	.746	.768	.782	.792	.790	.786	.752
„ 8,...	.771	.766	.747	.740	.740	.750	.772	.792	.794	.806	.808	.787	.761	.739	.719	.706	.720	.736	.748	.769	.784	.779	.783	.774	.762
„ 9,...	.765	.750	.730	.728	.731	.736	.758	.773	.763	.768	.771	.742	.701	.671	.654	.661	.668	.684	.688	.712	.723	.738	.722	.714	.723
„ 10,...	.699	.669	.652	.668	.662	.680	.692	.707	.724	.726	.725	.705	.693	.657	.655	.636	.664	.666	.665	.700	.724	.725	.717	.716	.689
„ 11,...	.707	.689	.670	.673	.685	.696	.700	.714	.723	.728	.745	.719	.715	.713	.698	.696	.699	.703	.731	.739	.767	.767	.752	.746	.716
„ 12,...	.730	.723	.687	.669	.686	.708	.713	.714	.730	.726	.711	.686	.679	.659	.631	.622	.620	.630	.636	.658	.669	.668	.658	.642	.677
„ 13,...	.625	.599	.591	.590	.594	.617	.640	.653	.665	.675	.676	.667	.644	.615	.598	.594	.598	.611	.619	.639	.642	.667	.665	.653	.631
„ 14,...	.635	.617	.609	.607	.610	.637	.666	.673	.698	.710	.706	.699	.666	.651	.628	.614	.628	.635	.641	.664	.689	.701	.702	.715	.658
„ 15,...	.698	.687	.673	.677	.692	.702	.725	.723	.761	.772	.761	.747	.737	.719	.687	.688	.703	.715	.724	.740	.748	.780	.773	.769	.725
„ 16,...	.765	.750	.735	.725	.741	.759	.771	.808	.811	.813	.819	.808	.794	.782	.768	.728	.733	.745	.748	.754	.762	.779	.780	.775	.769
„ 17,...	.754	.743	.726	.719	.715	.716	.723	.749	.752	.757	.760	.770	.729	.724	.710	.705	.715	.708	.706	.720	.736	.740	.758	.740	.732
„ 18,...	.733	.721	.704	.703	.705	.734	.760	.796	.810	.812	.823	.805	.777	.769	.756	.744	.750	.763	.763	.773	.784	.793	.776	.780	.764
„ 19,...	.797	.785	.776	.776	.791	.811	.828	.856	.863	.862	.862	.851	.834	.826	.813	.807	.810	.819	.831	.843	.850	.854	.850	.839	.826
„ 20,...	.829	.827	.830	.843	.858	.887	.905	.917	.928	.936	.932	.914	.896	.881	.855	.854	.844	.850	.856	.866	.876	.889	.875	.874	.876
„ 21,...	.869	.866	.856	.857	.865	.893	.909	.928	.939	.935	.929	.919	.893	.875	.856	.851	.853	.856	.862	.880	.899	.910	.918	.917	.889
„ 22,...	.902	.894	.884	.887	.906	.922	.953	.974	.992	.978	.984	.962	.938	.922	.896	.876	.890	.904	.918	.940	.957	.968	.968	.968	.933
„ 23,...	.943	.932	.937	.947	.969	.982	30.003	30.010	.997	.994	.971	.962	.945	.917	.901	.901	.906	.917	.929	.946	.961	.971	.969	.962	.953
„ 24,...	.954	.931	.926	.921	.920	.931	29.947	29.952	.964	.974	.973	.964	.943	.922	.910	.895	.896	.898	.920	.946	.965	.968	.970	.967	.940
„ 25,...	.957	.945	.918	.910	.917	.927	.930	.965	.967	.969	.967	.953	.931	.908	.889	.871	.862	.880	.890	.916	.938	.958	.954	.952	.928
„ 26,...	.946	.943	.919	.915	.929	.941	.961	.974	.990	.996	.971	.956	.937	.915	.889	.878	.880	.887	.912	.931	.946	.958	.942	.938	.936
„ 27,...	.912	.900	.886	.880	.874	.898	.912	.926	.908	.917	.920	.903	.877	.851	.825	.821	.821	.829	.843	.846	.855	.860	.863	.854	.874
„ 28,...	.838	.829	.819	.814	.809	.830	.832	.849	.845	.875	.868	.846	.812	.794	.767	.767	.757	.771	.784	.800	.816	.822	.820	.822	.816
„ 29,...	.811	.798	.775	.769	.765	.770	.794	.810	.826	.838	.846	.842	.821	.780	.760	.752	.763	.772	.773	.797	.811	.827	.840	.836	.799
„ 30,...	.824	.810	.802	.784	.785	.799	.831	.847	.859	.857	.870	.851	.827	.820	.789	.782	.782	.798	.816	.843	.858	.882	.891	.884	.829
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,.....	29.820	29.808	29.794	29.792	29.798	29.814	29.831	29.847	29.855	29.859	29.857	29.843	29.820	29.801	29.782	29.775	29.779	29.789	29.799	29.819	29.833	29.842	29.841	29.835	29.818

TABLE II.

TEMPERATURE FOR THE MONTH OF APRIL, 1896.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Apr. 1,	65.6	64.7	64.6	64.0	64.1	64.0	63.3	63.8	63.6	63.5	63.1	63.4	62.6	62.5	61.6	61.4	60.7	61.1	60.0	59.3	61.3	61.1	60.8	60.4	62.5	66.2	59.2
„ 2,	58.9	58.8	59.1	59.4	59.2	59.1	59.2	59.9	60.5	60.8	60.1	61.2	62.6	61.6	61.3	60.9	60.6	60.7	60.6	60.5	60.9	60.7	60.6	60.6	60.3	62.6	58.5
„ 3,	61.0	60.4	60.8	60.5	60.4	60.2	59.9	60.7	61.2	62.7	62.6	62.9	63.6	62.8	62.7	63.5	63.4	63.7	63.0	62.7	63.4	62.5	61.9	61.0	62.0	63.7	59.1
„ 4,	61.2	61.4	61.0	61.0	61.0	60.8	61.4	61.6	62.7	64.3	65.2	64.1	64.3	64.9	64.6	64.9	63.6	65.0	64.6	63.3	63.3	62.8	62.8	62.7	63.0	65.5	59.6
„ 5,	64.3	64.6	63.3	62.9	63.0	62.6	62.6	63.4	64.2	63.9	63.6	64.7	64.8	65.0	64.6	65.0	65.2	64.1	64.4	63.9	64.5	63.9	64.0	64.4	64.0	66.3	61.7
„ 6,	64.4	64.4	64.6	64.6	64.3	64.4	64.9	65.2	65.9	66.3	66.0	66.9	67.3	67.4	66.4	67.3	68.5	66.6	66.9	66.7	67.1	66.2	66.4	66.2	66.0	68.5	63.4
„ 7,	66.5	66.8	66.7	66.4	66.9	67.2	67.7	68.2	70.3	72.9	74.3	75.3	74.3	73.4	72.4	71.3	72.5	70.8	71.1	71.0	70.2	70.3	70.2	69.8	70.3	76.2	66.0
„ 8,	69.8	69.8	70.2	69.5	69.3	69.9	69.7	71.8	70.9	71.7	72.6	73.9	73.8	71.4	72.0	71.6	69.8	70.0	68.4	69.0	68.6	67.7	67.9	68.2	70.3	75.0	67.0
„ 9,	67.8	68.8	67.4	68.1	67.8	67.6	68.5	68.6	69.7	69.9	70.6	72.0	74.8	75.5	76.4	75.5	75.4	74.1	76.6	75.1	72.7	72.2	72.4	72.0	71.6	76.7	66.9
„ 10,	71.6	71.8	71.6	70.4	69.8	69.9	69.9	70.2	73.7	76.3	77.7	77.3	76.6	74.6	74.3	73.9	74.3	74.2	71.7	72.6	72.6	70.8	69.8	69.3	72.7	77.9	68.6
„ 11,	68.9	68.6	68.6	69.0	69.4	69.6	70.3	70.4	71.3	70.9	71.6	71.1	72.5	71.8	70.8	69.0	69.2	73.2	72.6	70.2	70.5	70.4	70.3	70.5	70.4	73.8	68.5
„ 12,	70.0	69.8	70.8	70.8	71.3	71.9	75.8	77.2	77.0	77.5	77.9	77.6	79.1	79.6	79.4	77.9	77.9	77.7	77.6	77.5	77.9	76.5	76.9	77.5	76.0	80.4	68.9
„ 13,	77.0	76.6	77.0	77.0	77.4	77.6	77.9	78.0	78.6	80.2	79.8	80.4	80.0	79.6	80.0	79.4	78.7	78.5	79.2	76.8	78.0	78.3	77.6	77.8	78.4	81.0	75.3
„ 14,	77.7	77.6	76.8	76.0	76.0	76.5	76.8	75.8	78.7	79.3	80.8	82.2	81.5	80.6	81.3	79.3	78.9	76.2	76.0	76.4	75.3	75.0	74.7	75.2	77.7	82.2	74.7
„ 15,	76.1	75.0	75.4	76.9	77.0	76.9	78.2	77.9	77.3	79.3	74.0	72.0	72.7	71.6	72.4	70.9	70.6	70.3	70.0	70.9	68.7	69.1	68.8	68.8	73.4	79.3	68.7
„ 16,	68.8	68.8	68.7	68.8	69.0	69.2	69.6	69.6	69.1	69.6	71.4	70.9	71.8	71.7	70.8	69.3	69.0	68.2	68.4	68.3	70.0	70.6	69.9	69.4	69.6	71.8	68.2
„ 17,	68.8	68.4	68.2	68.0	68.1	68.0	68.6	68.9	69.0	69.1	70.1	69.2	69.9	69.4	69.2	69.5	68.8	68.2	68.4	69.6	69.2	69.7	70.5	69.8	69.0	70.5	67.6
„ 18,	69.7	69.5	69.5	69.7	69.8	69.6	70.3	70.9	71.0	70.9	70.7	70.9	70.7	70.8	70.8	70.8	70.7	69.6	69.6	70.0	70.6	70.2	70.8	71.0	70.3	72.0	69.2
„ 19,	70.8	70.6	71.1	71.5	71.8	72.0	72.2	71.6	72.7	72.7	73.1	74.6	74.7	73.6	74.9	74.7	73.6	73.0	72.5	72.3	72.2	71.9	71.7	71.6	72.6	75.4	70.4
„ 20,	71.0	71.0	71.0	71.0	71.8	72.1	72.1	71.9	72.0	72.6	72.6	72.4	71.7	70.9	71.1	71.2	71.7	70.6	70.2	70.3	70.5	70.6	70.8	70.6	71.3	72.6	70.2
„ 21,	70.5	70.6	70.7	70.8	71.2	71.2	71.8	72.9	73.6	74.9	76.1	76.2	75.8	76.0	74.8	74.5	73.3	71.5	71.0	70.8	70.5	71.1	71.4	71.4	72.6	77.0	70.5
„ 22,	71.2	71.4	70.8	70.2	70.3	70.5	70.6	70.7	70.3	72.9	74.3	74.4	74.1	73.0	73.7	73.7	72.7	71.8	71.9	72.4	72.8	72.9	72.2	72.7	72.1	74.8	69.5
„ 23,	71.9	71.3	71.0	70.8	70.4	70.6	70.9	70.6	71.2	72.7	73.0	73.7	74.6	75.9	74.5	73.7	72.7	71.8	71.7	71.3	71.3	71.4	71.3	71.3	72.1	76.0	70.1
„ 24,	71.2	71.3	71.1	71.1	70.7	71.0	71.6	74.6	75.5	76.8	77.9	77.0	78.3	78.8	77.6	76.4	76.0	74.4	73.0	72.8	72.7	72.3	72.3	72.2	74.0	79.4	70.0
„ 25,	72.4	71.6	71.7	71.4	70.8	70.7	72.9	73.4	76.2	77.5	78.7	78.9	79.0	78.4	77.1	77.2	77.1	75.6	74.1	73.9	74.1	73.2	72.8	72.7	74.6	80.0	70.1
„ 26,	73.4	73.7	73.5	73.2	72.7	72.4	72.2	72.2	72.4	74.9	74.8	74.6	74.0	76.6	73.9	73.5	72.7	71.3	71.9	71.7	72.1	72.1	72.2	72.1	73.1	76.6	70.9
„ 27,	71.6	71.0	70.7	70.2	70.0	69.8	70.2	70.9	71.5	71.8	73.3	72.6	71.7	72.2	72.9	72.3	72.1	70.2	71.9	72.2	72.8	72.7	72.8	72.6	71.7	73.6	69.3
„ 28,	72.2	71.6	71.2	71.1	70.8	70.9	70.9	71.6	71.9	72.1	72.5	72.8	72.1	73.2	72.7	72.1	71.8	71.8	72.0	72.1	72.3	72.4	72.5	72.7	72.0	73.2	70.0
„ 29,	72.8	72.4	72.1	71.7	71.6	72.5	73.1	75.1	76.2	74.2	74.8	73.2	74.0	76.3	76.3	76.9	75.4	75.0	74.1	74.3	74.3	74.0	74.0	74.3	74.1	76.9	71.2
„ 30,	74.2	74.1	73.8	73.7	73.4	73.7	75.7	76.4	76.7	77.2	79.8	78.1	78.9	78.5	78.4	78.3	76.7	75.7	74.6	74.9	75.1	75.3	75.6	74.7	76.0	80.5	72.7
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,	69.7	69.5	69.4	69.3	69.3	69.4	70.0	70.5	71.2	72.0	72.4	72.5	72.7	72.6	72.3	71.9	71.5	70.8	70.6	70.4	70.5	70.3	70.2	70.1	70.8	74.2	67.9

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF APRIL, 1896.

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.	Solar Max.
April 1, ...	65.2	64.6	64.2	63.7	63.8	63.1	63.0	63.3	63.2	63.0	62.0	61.8	61.2	60.7	60.2	60.3	60.0	60.0	59.5	58.8	60.1	59.1	58.9	58.3	61.6	109.5
„ 2, ...	58.1	57.9	57.8	57.8	57.8	57.8	57.9	58.1	57.7	58.1	57.7	57.7	58.4	56.7	57.1	57.0	56.7	56.9	57.0	57.1	56.6	56.8	56.8	56.8	57.4	116.9
„ 3, ...	56.9	57.0	56.8	56.3	56.3	56.5	58.1	58.2	57.7	58.9	59.1	59.2	59.6	59.3	58.9	59.6	59.0	59.4	58.4	59.6	59.6	60.1	60.2	59.6	58.5	113.0
„ 4, ...	59.7	59.8	59.3	59.3	58.5	58.6	58.7	58.7	59.3	60.6	61.0	60.7	61.0	61.3	61.2	61.2	60.6	60.9	61.0	60.6	60.5	60.4	60.6	60.8	60.2	107.3
„ 5, ...	62.4	62.7	61.5	61.0	61.0	60.7	61.0	61.2	61.1	60.8	60.9	61.2	61.3	61.6	61.7	61.0	60.9	60.4	60.3	61.7	62.0	62.2	62.2	62.4	61.4	125.1
„ 6, ...	62.3	61.9	62.0	61.9	61.7	61.6	61.0	61.3	62.0	62.0	62.4	63.6	64.1	64.7	64.3	65.1	66.1	65.0	65.5	65.7	66.1	66.1	66.4	66.2	63.7	103.2
„ 7, ...	66.3	66.2	66.4	66.0	66.4	66.6	67.0	68.0	68.9	71.5	71.7	71.5	71.0	70.8	70.5	69.7	70.5	70.5	70.0	70.2	69.4	70.0	70.0	69.8	69.1	109.6
„ 8, ...	69.8	69.8	69.8	69.1	68.7	68.9	69.0	70.2	69.3	70.2	71.4	71.5	71.4	70.0	70.6	70.7	69.4	69.5	68.2	68.7	68.4	67.4	67.6	68.1	69.5	120.0
„ 9, ...	67.6	68.6	67.3	67.6	67.6	67.1	68.0	68.0	69.1	69.1	69.6	70.1	72.7	72.0	72.1	72.3	72.1	71.4	74.0	71.4	69.5	70.4	70.6	70.8	70.0	106.5
„ 10, ...	70.4	70.5	70.5	69.3	69.1	69.1	69.0	69.7	71.3	73.8	73.9	73.7	73.7	72.6	71.7	72.3	72.0	70.6	71.0	72.1	71.3	70.1	69.3	68.5	71.1	114.6
„ 11, ...	68.2	67.9	67.5	67.7	68.0	68.3	69.1	69.5	70.3	70.3	71.2	70.5	69.9	69.7	68.4	68.1	67.8	68.0	68.5	67.6	67.6	67.5	67.3	67.6	68.6	86.1
„ 12, ...	67.6	67.4	68.0	68.2	69.1	69.9	73.2	73.7	73.9	74.3	74.5	74.4	74.8	75.3	75.1	74.7	74.8	74.7	74.7	75.0	75.1	74.8	74.7	74.7	73.0	120.8
„ 13, ...	74.6	74.5	74.4	74.1	74.0	74.0	74.1	74.2	74.6	75.1	74.7	75.0	75.0	75.2	75.5	75.0	75.0	74.9	75.0	74.2	75.3	75.4	75.2	75.4	74.8	123.7
„ 14, ...	75.3	75.1	74.7	74.8	74.0	74.1	74.5	74.0	75.7	75.1	76.2	77.0	77.2	77.0	76.3	75.2	75.0	73.5	73.3	74.5	74.0	73.8	73.8	74.2	74.9	127.1
„ 15, ...	74.0	74.1	74.1	74.4	74.3	73.9	74.7	74.2	74.7	75.2	72.2	70.5	70.3	70.6	70.2	69.8	70.1	69.2	69.2	69.8	68.5	68.8	68.8	68.6	71.7	131.2
„ 16, ...	68.5	68.5	68.5	68.5	68.7	68.9	69.1	68.7	68.3	68.8	70.0	69.7	70.1	71.2	69.3	68.1	68.2	67.9	68.2	68.1	69.6	70.0	69.4	68.8	69.0	119.6
„ 17, ...	68.2	67.8	67.6	67.6	67.8	67.7	67.9	68.0	68.1	68.0	68.1	67.2	67.9	67.5	67.1	67.6	67.2	67.9	67.3	68.3	68.6	67.8	68.9	68.7	67.9	115.0
„ 18, ...	68.5	68.4	68.6	68.8	68.9	69.4	69.7	69.9	69.7	69.3	69.3	69.7	69.4	69.7	69.6	69.7	69.6	69.1	69.4	69.8	70.2	69.7	70.3	70.6	69.5	111.5
„ 19, ...	70.5	70.3	70.6	70.8	70.8	71.0	71.2	70.8	71.3	70.7	70.9	71.2	71.2	70.7	70.9	70.7	70.3	70.3	70.5	70.1	71.1	71.0	70.3	70.4	70.7	127.2
„ 20, ...	70.0	70.1	70.1	70.4	70.4	71.0	71.0	70.9	70.5	70.7	70.3	70.1	69.6	69.0	69.1	69.4	69.6	69.0	68.9	69.1	69.2	69.5	69.6	69.5	69.9	118.4
„ 21, ...	69.4	69.4	69.0	69.4	69.5	69.4	69.7	70.1	71.0	71.1	71.1	71.4	70.8	70.9	70.2	70.4	69.8	69.2	69.2	68.3	69.2	69.4	69.8	69.6	69.9	133.2
„ 22, ...	69.4	68.9	68.7	68.8	68.8	68.5	69.8	69.2	69.0	69.3	69.5	70.0	70.0	69.2	69.4	69.7	69.1	69.1	69.7	69.4	69.9	70.0	69.6	69.4	69.3	131.0
„ 23, ...	69.0	68.8	68.5	68.3	67.5	67.6	68.1	66.7	67.1	67.1	68.0	67.9	68.8	68.0	68.6	69.3	69.0	68.9	69.0	69.0	69.0	69.2	69.1	68.9	68.4	130.5
„ 24, ...	69.0	68.8	68.3	68.0	67.8	67.7	67.9	69.2	68.9	69.5	70.0	69.8	70.2	70.6	69.8	69.7	69.6	69.0	69.2	69.4	69.8	69.4	69.4	69.4	69.2	138.1
„ 25, ...	69.1	69.2	69.9	69.5	69.4	69.5	70.2	70.1	71.3	71.8	72.0	71.9	72.0	71.3	70.9	71.0	71.2	70.4	70.8	70.3	70.5	69.8	70.4	70.8	70.6	135.5
„ 26, ...	71.2	71.4	71.0	70.4	69.7	69.6	69.1	68.6	68.3	69.6	69.8	69.1	69.4	69.7	69.6	69.5	69.3	69.0	68.8	68.7	68.3	68.5	68.0	68.0	69.4	129.6
„ 27, ...	67.5	67.5	67.0	65.7	65.1	64.8	65.0	64.7	64.5	64.4	64.8	65.3	65.4	65.4	66.4	63.2	64.4	67.1	67.4	67.9	68.0	68.5	68.6	68.7	66.1	128.9
„ 28, ...	67.4	67.7	67.8	68.0	67.7	67.7	67.6	67.8	68.2	67.6	68.3	68.8	68.7	68.9	69.0	69.0	69.5	69.2	69.3	69.5	69.4	69.6	69.6	69.6	68.6	102.8
„ 29, ...	69.1	69.3	69.0	68.6	68.2	68.4	69.2	70.3	70.8	70.4	70.0	70.1	70.4	71.7	71.9	72.3	72.1	72.0	71.6	71.8	71.5	71.7	71.5	71.5	70.6	140.2
„ 30, ...	70.3	70.8	70.8	70.6	70.6	71.1	71.5	71.6	71.9	71.3	73.7	72.8	74.1	72.7	72.8	72.2	73.9	73.2	73.4	73.8	74.0	73.8	74.0	73.8	72.4	146.7
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	67.9	67.8	67.7	67.5	67.4	67.4	67.8	68.0	68.3	68.6	68.8	68.8	69.0	68.8	68.6	68.5	68.4	68.2	68.3	68.3	68.4	68.4	68.4	68.3	68.2	120.8

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF APRIL, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	91	0.665	April 1,.....	95	0.538
2 „	91	.665	„ 2,.....	83	.435
3 „	91	.663	„ 3,.....	80	.446
4 „	91	.656	„ 4,.....	84	.486
5 „	90	.653	„ 5,.....	86	.511
6 „	90	.652	„ 6,.....	88	.560
7 „	89	.659	„ 7,.....	94	.697
8 „	88	.659	„ 8,.....	96	.712
9 „	86	.661	„ 9,.....	93	.714
10 „	83	.661	„ 10,.....	92	.741
11 „	83	.663	„ 11,.....	91	.677
Noon.	82	.662	„ 12,.....	86	.773
1 p.	82	.666	„ 13,.....	84	.815
2 „	82	.661	„ 14,.....	87	.829
3 „	82	.656	„ 15,.....	92	.755
4 „	83	.658	„ 16,.....	97	.702
5 „	85	.660	„ 17,.....	95	.669
6 „	88	.662	„ 18,.....	96	.712
7 „	89	.669	„ 19,.....	90	.727
8 „	90	.671	„ 20,.....	93	.713
9 „	90	.674	„ 21,.....	87	.696
10 „	90	.677	„ 22,.....	86	.680
11 „	91	.678	„ 23,.....	82	.646
Midt.	91	.675	„ 24,.....	77	.651
			„ 25,.....	81	.696
			„ 26,.....	82	.670
			„ 27,.....	73	.568
			„ 28,.....	83	.655
			„ 29,.....	84	.703
			„ 30,.....	84	.748
			.....	...	...
Means,.....	87	0.664	Means.	87	0.664

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.
1896.														
April 1,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,.....	...	...	...	...	...	...	...	0.3	...	...	...	...	...	0.3
„ 3,.....	...	...	...	0.1	0.7	...	0.1	...	...	...	...	...	...	0.9
„ 4,.....	...	...	...	0.1	...	0.3	...	...	...	...	...	...	...	0.4
„ 5,.....	...	...	...	...	...	...	0.5	0.8	0.6	0.9	0.5	...	...	3.3
„ 6, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,.....	...	...	...	...	0.6	...	...	...	...	...	...	...	...	0.6
„ 8,.....	...	...	...	0.1	0.1	...	0.3	0.2	...	...	...	...	...	0.7
„ 9,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,.....	...	...	...	...	0.3	...	...	...	...	...	...	...	...	0.3
„ 11,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,.....	...	...	...	...	...	...	0.3	0.2	1.0	0.4	...	...	...	1.9
„ 13,.....	...	...	...	...	0.3	0.1	0.1	...	0.7	0.5	0.2	...	...	1.9
„ 14,.....	...	...	...	...	...	0.4	0.7	0.3	0.1	0.5	0.2	...	...	2.2
„ 15,.....	...	...	...	...	...	0.3	0.8	0.3	0.9	0.8	...	...	...	3.1
„ 16,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,.....	...	...	...	...	...	0.1	...	...	...	...	...	...	...	0.1
„ 18,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,.....	...	...	...	...	...	...	0.1	...	0.1	0.5	0.1	...	...	0.8
„ 20,.....	...	...	...	...	...	...	0.1	...	...	...	...	...	...	0.1
„ 21,.....	...	...	...	0.2	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	7.9
„ 22,.....	...	...	...	...	0.9	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.1	7.8
„ 23,.....	...	...	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	8.2
„ 24,.....	...	0.2	1.0	1.0	1.0	1.0	0.7	1.0	1.0	1.0	1.0	1.0	0.2	10.1
„ 25,.....	...	...	...	0.9	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	8.8
„ 26,.....	...	...	...	...	0.4	0.3	0.3	0.7	1.0	0.8	...	...	...	3.5
„ 27,.....	...	...	...	0.3	...	0.2	...	...	0.2	0.1	...	...	...	0.8
„ 28,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,.....	0.1	0.3	0.8	0.8	0.7	0.4	0.1	...	0.4	1.0	1.0	0.5	...	6.1
„ 30,.....	0.3	0.7	0.1	...	0.5	1.0	0.9	1.0	1.0	1.0	0.5	0.1	...	7.1
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	0.4	1.2	1.9	4.4	8.0	8.1	9.0	8.8	10.8	11.5	7.5	4.8	0.5	78.9

TABLE VI.

RAINFALL FOR THE MONTH OF APRIL, 1896.

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.	Duration Hours.
April 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
" 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.095	...	...	...	0.105	1
" 4,	0.030	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.030	...
" 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.035	0.010	...	0.005	...	0.050	3
" 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.015	0.010	0.010	...	...	...	0.040	2
" 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 9,	...	0.030	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.035	...	...	...	...	0.065	2
" 10,	...	...	...	...	...	...	...	...	...	...	...	...	0.200	0.010	0.010	0.080	0.005	0.095	0.320	0.005	0.015	0.110	...	...	0.850	8
" 11,	...	...	...	...	...	...	...	...	...	...	0.275	0.175	0.160	0.190	...	0.035	...	0.015	...	...	...	...	...	...	0.850	6
" 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	...	0.005	1
" 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 15,	...	...	...	...	...	...	...	...	0.015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.015	1
" 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
" 18,	...	0.005	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.005	0.005	0.005	0.005	0.035	12
" 19,	0.005	...	0.005	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.015	6
" 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
" 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
" 28,	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	4
" 29,	...	...	...	...	...	...	...	...	...	...	0.035	...	...	...	...	...	...	...	...	...	...	...	...	...	0.035	1
" 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.035	0.035	0.005	0.005	0.005	0.005	...	...	0.015	...	0.310	0.175	0.360	0.200	0.010	0.115	0.005	0.115	0.335	0.100	0.135	0.120	0.010	0.005	2.100	54

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF APRIL, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
April 1	8	18	8	23	8	22	7	20	9	20	9	23	8	27	7	22	7	26	8	27	8	27	7	27	8	30	8	32	8	21	9	23	9	23	8	27	7	27	7	25	7	24	6	31	7	29	7	27	601	25.0	8
" 2	7	30	7	24	7	27	7	26	7	23	7	22	7	22	7	27	7	27	6	25	7	26	6	29	5	29	5	23	7	24	7	23	8	20	7	23	7	23	7	23	7	25	7	28	7	35	7	31	615	25.6	7
" 3	7	33	7	32	7	29	7	27	8	31	7	32	7	34	7	31	7	33	8	37	8	28	8	32	7	26	8	24	8	21	8	20	9	16	10	15	10	16	9	12	10	8	9	21	7	22	7	22	602	25.1	8
" 4	6	19	7	11	8	20	7	26	7	22	7	20	7	23	8	23	7	25	7	26	8	23	8	21	8	21	9	17	10	15	10	12	10	11	10	12	9	13	9	15	9	21	8	27	8	16	8	17	456	19.0	8
" 5	7	18	5	22	8	24	7	20	7	21	7	17	7	15	7	17	7	18	7	18	8	24	8	23	7	28	8	24	7	25	8	24	9	25	7	25	8	24	9	22	8	23	8	19	8	21	8	22	519	21.6	8
" 6	8	25	8	27	8	24	7	26	7	25	7	26	8	28	8	27	9	26	8	20	8	20	8	17	7	14	7	10	7	11	7	12	6	9	7	9	8	18	8	14	8	10	7	10	7	10	31	2	420	17.5	8
" 7	8	3	3	4	3	3	...	1	...	0	30	2	30	2	30	3	4	4	2	3	28	5	28	6	28	8	26	6	27	6	27	6	27	3	27	2	19	3	...	0	19	2	19	2	21	2	...	0	76	3.2	28
" 8	21	2	...	1	14	3	11	4	9	4	8	4	8	6	7	8	7	11	7	12	8	9	7	9	7	7	7	9	8	12	8	14	6	10	5	11	7	14	6	14	6	15	7	16	7	16	7	15	226	9.4	7
" 9	7	16	5	12	7	15	7	13	7	15	7	15	9	17	7	17	8	18	8	16	4	12	5	7	15	7	10	9	14	12	15	9	16	8	23	6	18	10	18	8	30	3	17	3	28	3	22	2	253	10.5	9
" 10	...	0	10	4	11	2	5	5	8	6	7	6	7	6	5	10	9	5	7	6	17	10	18	12	16	14	20	7	17	11	14	7	15	12	13	7	8	7	9	6	9	9	6	12	9	21	9	26	211	8.8	11
" 11	8	21	8	28	8	21	8	20	7	20	7	16	7	20	10	20	7	17	7	13	7	12	10	14	14	12	13	21	6	15	8	23	4	23	12	27	7	22	7	21	7	19	8	15	7	13	7	14	447	18.6	8
" 12	7	14	7	14	6	14	6	14	7	13	6	8	14	12	15	18	15	16	15	19	15	17	18	16	16	20	16	20	16	17	16	14	18	17	16	14	16	14	16	18	16	10	15	9	16	14	17	17	359	15.0	14
" 13	17	12	16	11	17	14	17	14	18	16	17	18	18	14	18	14	18	12	19	12	18	9	17	6	17	6	16	9	15	8	17	10	16	8	16	6	14	7	9	4	16	7	16	7	15	6	16	7	237	9.9	17
" 14	16	8	17	3	30	4	...	1	7	2	15	5	13	5	13	6	14	8	15	9	16	7	16	10	18	8	16	7	15	8	14	11	15	7	12	6	9	6	7	4	4	7	6	6	5	5	7	4	147	6.1	13
" 15	14	6	4	8	6	5	14	9	14	15	14	16	14	20	14	20	13	16	15	12	9	10	7	23	7	24	8	22	7	24	7	20	7	22	6	18	7	20	7	23	7	24	8	19	8	19	8	18	413	17.2	9
" 16	8	18	8	19	8	25	7	27	8	26	7	20	7	23	7	22	8	25	7	19	7	21	7	22	8	26	8	20	9	16	7	29	8	26	7	27	7	24	7	23	8	26	8	23	7	20	6	22	549	22.9	7
" 17	7	23	7	25	7	24	7	28	8	27	7	23	7	23	7	26	7	25	7	24	7	26	8	25	8	25	8	24	7	23	8	28	9	26	8	28	9	27	6	23	7	23	7	20	6	17	9	19	582	24.2	7
" 18	7	16	7	18	7	16	8	20	9	21	8	23	8	20	9	18	7	19	7	19	9	18	9	20	9	19	8	21	7	22	8	20	8	19	8	16	9	19	8	18	9	14	9	19	6	25	6	22	462	19.3	8
" 19	7	13	7	14	7	16	6	20	6	18	6	18	7	17	10	12	8	13	9	18	8	16	8	21	8	20	8	15	8	16	8	17	7	14	7	16	9	18	7	13	7	14	7	15	6	17	5	19	390	16.2	7
" 20	7	13	7	13	9	11	7	12	6	15	7	12	7	12	8	18	6	22	7	19	7	25	7	24	7	20	8	19	9	17	7	13	7	16	7	16	7	15	7	14	9	11	9	8	10	8	10	8	361	15.0	7
" 21	8	8	8	8	7	10	9	11	7	12	7	12	6	11	7	10	11	13	10	15	10	13	9	15	9	15	9	15	9	19	9	20	8	18	8	20	9	18	9	15	9	12	9	10	10	7	10	5	312	13.0	9
" 22	10	9	9	10	8	10	11	7	9	11	7	14	7	16	7	22	7	18	7	21	7	25	7	24	9	20	9	19	10	19	10	17	9	16	8	14	7	14	7	12	7	13	7	20	7	20	7	19	390	16.3	8
" 23	7	22	7	20	7	24	6	20	7	21	7	26	9	28	9	29	8	34	7	31	8	31	8	29	8	25	8	29	8	25	8	23	10	22	9	17	9	16	9	15	9	18	10	15	9	15	8	13	548	22.8	8
" 24	8	13	6	17	6	14	6	17	7	26	6	22	7	13	8	15	9	15	10	16	10	13	9	19	9	16	9	13	9	17	8	17	8	17	9	19	9	14	8	8	8	11	9	8	9	10	10	11	361	15.0	8
" 25	10	7	10	9	10	10	10	4	...	1	10	4	10	13	10	10	7	16	8	13	8	16	10	13	10	16	10	16	10	20	9	17	9	21	8	16	8	12	8	12	8	12	9	11	9	12	8	10	291	12.1	9
" 26	8	14	7	16	7	19	7	24	7	23	7	27	7	29	6	26	8	31	8	24	7	32	7	32	8	33	7	30	9	28	8	26	8	21	8	25	8	26	8	30	8	26	9	29	8	31	7	26	628	26.2	8
" 27	7	33	7	29	7	30	6	30	6	29	7	29	7	30	7	31	7	36	7	29	7	32	6	30	7	28	7	27	7	27	7	25	7	21	8	22	8	23	7	22	7	22	8	27	7	26	6	22	663	27.6	7
" 28	7	27	6	21	7	21	6	21	6	23	6	24	7	20	7	22	6	25	7	19	7	21	7	19	6	21	7	21	7	22	7	15	9	14	9	16	7	12	7	11	6	16	6	16	6	19	6	13	459	19.1	7
" 29	6	12	8	11	7	11	9	8	9	11	9	12	9	9	9	13	9	16	9	14	9	21	7	21	7	14	7	16	8	21	8	15	8	11	7	13	6	14	7	13	6	14	6	15	7	13	6	12	330	13.7	8
" 30	7	12	9	11	7	13	8	8	9	12	9	6	9	7	7	13	8	12	8	17	9	11	9	14	10	17	10	15	10	18	10	15	10	13	10	15	8	12	7	13	8	13	9	11	6	13	7	14	305	12.7	9
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	...	465	...	465	...	481	...	483	...	509	...	502	...	522	...	553	...	582	...	553	...	560	...	580	...	569	...	540	...	540	...	525	...	489	...	488	...	488	...	451	...	452	...	472	...	485	...	459	12213	508.9	...
Means	...	15.5	...	15.5	...	16.0	...	16.1	...	17.0	...	16.7	...	17.4	...	18.4	...	19.4	...	18.4	...	18.7	...	19.3	...	19.0	...	18.0	...	18.0	...	17.5	...	16.3	...	16.3	...	16.3	...	15.0	...	15.1	...	15.7	...	16.2	...	15.3	407.1	17.0	...

TABLE VIII.

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
1896.												
April 1, ...	10	str-cum.	W	10	str.	...	10	cum-nim.	E	10	nim.	E
„ 2, ...	10	str.	...	10	str.	...	10	str-cum.	...	10	cum-nim.	E
„ 3, ...	10	cum.	...	10	str-cum.	...	10	cum-nim.	E	8	sm-cum. / cum.	WSW / E
„ 4, ...	10	nim.	...	10	str-cum.	...	10	cum.	ESE	10	sm-cum. / R-cum.	SW / E
„ 5, ...	10	str.	...	10	cum.	...	10	cum-nim.	...	10	str-cum.	...
„ 6, ...	10	str.	...	10	str.	...	10	sm-cum. / cum.	SW / ..	10	str-cum. / cum.	SW / E
„ 7, ...	10	str-cum.	...	10	str-cum.	...	10	cum. / fog.	...	10	cum. / fog.	...
„ 8, ...	10	str-cum. / fog.	...	10	str-cum. / fog.	...	10	cum. / fog.	WSW / ..	10	sm-cum. / R-cum.	W / SE
„ 9, ...	10	str.	...	10	str-cum.	...	10	cum. / fog.	SSW / ..	10	cum. / fog.	S / ..
„ 10, ...	10	str.	...	10	str.	...	10	cum. / fog.	SW / ..	9	cum.	SSW
„ 11, ...	10	cum-nim.	...	10	str-cum.	...	10	cum.	SSE	10	cum-str.	S
„ 12, ...	10	str.	...	10	str.	...	10	sm-cum. / cum.	SSE	10	R-cum.	S
„ 13, ...	10	str.	SW	10	str.	SW	10	R-cum.	SW	10	R-cum.	SW
„ 14, ...	10	str-cum.	SW	10	str-cum.	SW	10	cum-nim.	SSW	10	cum / R-cum.	SSW
„ 15, ...	10	cum.	S	10	str.	...	9	cum.	S	10	cum. / R-cum.	S
„ 16, ...	10	str.	...	10	str.	...	10	cum-nim.	...	10	str.	...
„ 17, ...	10	cum-nim.	...	10	cum-nim.	...	10	cum-nim.	...	10	str.	...
„ 18, ...	10	nim.	...	10	nim.	...	10	str-cum.	E	10	str.	...
„ 19, ...	10	nim.	...	10	nim.	...	9	sm-cum. / cum.	E	10	str-cum.	E
„ 20, ...	10	str.	...	10	str.	...	9	sm-cum. / cum.	E	10	str-cum.	E
„ 21, ...	10	cum.	E	10	cum.	E	10	str-cum.	E	9	sm-cum. / cum.	E
„ 22, ...	10	str-cum.	...	10	str.	...	10	sm-cum. / R-cum.	E	7	sm-cum. / cum.	ENE
„ 23, ...	10	str-cum.	E	10	str.	...	8	cum.	E	2	sm-cum. / cum.	E
„ 24, ...	8	cum.	ESE	3	cum.	SE	7	sm-cum. / cum.	E	2	c-cum.	...
„ 25, ...	0	...	...	0	...	...	7	cum.	E	2	cum.	E
„ 26, ...	10	cum.	...	10	str-cum.	...	10	cum.	E	9	sm-cum. / cum.	W / E
„ 27, ...	10	str-cum.	...	10	str-cum.	...	10	sm-cum. / cum.	E	9	sm-cum. / str-cum.	W / E
„ 28, ...	10	str.	...	10	nim.	...	10	nim.	E	10	R-cum.	E
„ 29, ...	10	cum.	E	5	cum.	E	4	c-cum. / cum.	ESE	9	sm-cum. / cum.	E
„ 30, ...	10	cum.	E	10	cum.	E	7	cum.	E	9	sm-cum. / cum.	E
.....	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	9.6	...	...	9.3	...	...	9.3	...	...	8.8	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
April 1,...	10	str-cum.	E	10	sm-cum. / nim.	W / E	10	nim.	E	10	str-cum.	...	10.0
„ 2,...	9	sm-cum. / cum.	E	10	sm-cum.	WSW	10	str-cum.	E	10	str-cum.	E	9.9
„ 3,...	10	sm-cum. / cum.	SW / E	10	str-cum.	...	10	cum.	E	10	cum-nim.	...	9.7
„ 4,...	10	sm-cum. / cum.	E	10	str-cum.	...	10	str-cum.	E	9	cum.	E	9.9
„ 5,...	10	sm-cum. / cum.	E	6	c-cum. / sm-cum. / cum.	ESE	9	cum.	...	10	str-cum.	...	9.4
„ 6,...	10	str-cum.	SSW	10	cum.	S	10	nim.	...	10	cum.	...	10.0
„ 7,...	10	sm-cum. / cum.	SSW	10	sm-cum. / cum.	W	10	nim.	...	10	str-cum.	...	10.0
„ 8,...	9	cum.	S	8	sm-cum. / cum. / fog.	W / SSE / E	10	str-cum.	SSE	10	str-cum.	...	9.6
„ 9,...	10	sm-cum. / cum.	SSW	10	cum.	SSW	10	nim.	SW	10	cum-nim.	SSW	10.0
„ 10,...	10	nim.	SW	10	cum-str.	SSW	10	nim.	SSW	10	cum-nim.	SSW	9.9
„ 11,...	10	nim.	S	10	cum-nim.	SSE	10	cum-nim.	S	7	cum.	SSE	9.6
„ 12,...	10	cum.	SSW	10	sm-cum. / cum.	SSW	7	cum.	SSW	10	nim.	...	9.6
„ 13,...	10	cum.	SSW	10	cum. / R-cum.	SSW	10	cum-nim.	SSW	10	str-cum.	SSW	10.0
„ 14,...	10	R-cum.	SSW	8	cum.	SSW	9	cum.	SSW	2	cum.	...	8.6
„ 15,...	9	sm-cum. / cum. / fog.	.. / SSE / E	10	cum. / fog.	S / E	8	cum. / fog.	S / E	10	str-cum.	...	9.5
„ 16,...	8	sm-cum. / str.	W / E	10	str. / fog.	E	10	str.	...	10	str.	...	9.8
„ 17,...	10	str.	...	10	str.	E	10	str.	E	10	str.	...	10.0
„ 18,...	10	str.	...	10	str.	...	10	nim.	...	10	nim.	...	10.0
„ 19,...	10	sm-cum. / cum.	E	8	sm-cum. / cum.	...	9	sm-cum. / cum.	...	10	str.	...	9.5
„ 20,...	10	sm-cum. / cum.	W / E	10	sm-cum. / str-cum.	E	7	sm-cum.	WSW	9	cum.	E	9.4
„ 21,...	3	cum.	E	2	c-cum. / cum.	E	0	...	...	8	cum.	E	6.5
„ 22,...	2	cum.	ENE	1	cum.	...	10	cum.	...	10	cum.	E	7.5
„ 23,...	4	sm-cum. / cum.	E	3	sm-cum.	...	6	cum.	E	9	cum.	ESE	6.5
„ 24,...	3	c-cum. / cum.	SE / E	0	...	...	0	...	...	0	...	...	2.9
„ 25,...	1	cum.	...	1	c.	W	0	...	...	0	...	...	1.4
„ 26,...	7	c-cum. / cum.	E	10	cum.	E	10	cum.	E	10	cum.	E	9.5
„ 27,...	10	str. / cum.	E	9	sm-cum. / cum.	ESE	10	cum.	...	10	cum-nim.	...	9.7
„ 28,...	10	str-cum.	E	10	str-cum.	E	10	cum.	E	10	cum.	E	10.0
„ 29,...	10	cum.	E	9	R-cum.	...	10	cum.	E	10	cum.	E	8.4
„ 30,...	4	cum.	ESE	9	R-cum.	E	10	cum.	E	10	str-cum.	...	8.6
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	8.3	...	...	8.1	...	...	8.5	...	...	8.8	...	...	8.8

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF APRIL, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	2.1	14.3	1.1	0 1	+ 1.0	+ 14.2	E 4° N
2 "	2.8	14.4	0.8	0.0	2.0	14.4	E 8° N
3 "	2.3	15.1	0.8	0.1	1.5	15.0	E 6° N
4 "	3.2	14.7	1.1	0.1	2.1	14.6	E 8° N
5 "	2.5	15.8	1.5	0.2	1.0	15.6	E 4° N
6 "	3.0	15.2	1.5	0.1	+ 1.5	15.1	E 5° N
7 "	2.1	16.0	2.1	0.2	0.0	15.8	E
8 "	2.4	16.4	2.7	0.2	− 0.3	16.2	E 1° S
9 "	2.4	17.7	2.2	0.2	+ 0.2	17.5	E 1° N
10 "	2.1	16.6	2.3	0.2	− 0.2	16.4	E 1° S
11 "	1.8	16.8	2.1	0.3	− 0.3	16.5	E 1° S
Noon.	2.3	17.3	2.2	0.5	+ 0.1	16.8	E
1 p.	2.0	16.2	3.0	0.3	− 1.0	15.9	E 4° S
2 "	1.2	15.8	2.8	0.3	1.6	15.5	E 6° S
3 "	1.4	15 9	3.4	0.2	2.0	15.7	E 7° S
4 "	1.0	15.7	2.6	0.2	1.6	15.5	E 6° S
5 "	1.3	14.1	3.2	0.3	1.9	13.8	E 8° S
6 "	1.3	14.6	2.6	0.3	1.3	14.3	E 5° S
7 "	1.3	15.1	2.1	0.2	− 0.8	14.9	E 3° S
8 "	1.8	14.0	1.4	0.1	+ 0.4	13.9	E 2° N
9 "	1.9	14.1	1.3	0.1	+ 0.6	14.0	E 3° N
10 "	1.7	14.8	1.7	0.1	0.0	14.7	E
11 "	2.6	15.0	1.3	0.1	+ 1.3	14.9	E 5° N
Midt.	2.7	13.8	.1.4	0.2	+ 1.3	+ 13.6	E 5° N
Means, ...	2.1	15.4	2.0	0.2	+0.08	+ 15.20	E

PHENOMENA :—

Solar halo :—on the 27th.

Thick fog :—on the 7th, 8th, 9th, 10th, 15th, 16th and 18th.

Fog :—on the 17th and 20th.

Slight fog :— on the 6th and 19th.

Haze :—on the 14th, 19th, 20th and 22nd.

Dew :—on the 14th and 25th.

Thunder and lightning :—on the 4th, 8th, 17th and 18th.

Thunderstorms :—on the 3rd, 8.30 p.–9.30 p. in N, nearest at 9.7 p. (7^s); on the 7th, 7.15 p.–7.45 p., in S, nearest at 7.26 p. (16^s); on the 9th, 7 p.–8 p., W–E, nearest at 7.37 p. (11^s); on the 10th, 12.45 p.–2 p., SW–NE, nearest at 1.12 p. ($1^s\frac{1}{2}$); on the 10th, 3.30 p.–4.30 p., SW–NE, nearest at 4.5 p. (8^s); on the 10th, 5.30 p.–7 p., in SE, nearest at 6.27 p. (5^s); on the 11th, 10 a.–3 p., SW–NE, nearest at 12.28 p. (7^s), at 2.38 p. (8^s).

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF MAY, 1896.

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,...	29.876	29.867	29.863	29.862	29.872	29.886	29.918	29.930	29.949	29.963	29.963	29.954	29.930	29.903	29.874	29.881	29.884	29.903	29.920	29.932	29.942	29.956	29.947	29.944	29.913
„ 2,...	.929	.911	.895	.887	.886	.899	.910	.928	.934	.926	.932	.920	.890	.875	.865	.847	.839	.844	.852	.867	.879	.895	.899	.893	.892
„ 3,...	.887	.869	.845	.838	.837	.844	.859	.852	.856	.854	.853	.851	.830	.808	.793	.772	.768	.788	.800	.823	.849	.875	.883	.877	.838
„ 4,...	.860	.841	.837	.843	.853	.874	.905	.915	.921	.932	.932	.919	.913	.876	.879	.877	.873	.893	.904	.915	.919	.927	.926	.917	.894
„ 5,...	.902	.884	.881	.878	.868	.876	.896	.907	.908	.913	.901	.887	.867	.853	.831	.824	.805	.808	.819	.833	.839	.847	.838	.829	.862
„ 6,...	.812	.802	.783	.772	.777	.789	.789	.791	.805	.809	.806	.785	.783	.755	.749	.742	.749	.747	.751	.772	.810	.820	.808	.806	.784
„ 7,...	.799	.790	.792	.809	.826	.852	.882	.887	.909	.904	.915	.901	.885	.864	.860	.852	.859	.879	.889	.900	.921	.931	.919	.899	.872
„ 8,...	.882	.878	.859	.861	.866	.879	.911	.925	.930	.940	.944	.926	.904	.890	.872	.874	.869	.856	.856	.860	.864	.872	.869	.869	.886
„ 9,...	.859	.855	.846	.845	.839	.852	.875	.884	.878	.874	.877	.871	.853	.836	.817	.797	.798	.801	.816	.838	.848	.860	.858	.858	.847
„ 10,...	.847	.840	.837	.834	.850	.870	.894	.921	.931	.916	.917	.894	.875	.849	.837	.833	.837	.841	.851	.876	.889	.895	.897	.887	.872
„ 11,...	.870	.848	.838	.843	.853	.861	.868	.896	.898	.899	.899	.885	.869	.852	.834	.824	.828	.843	.853	.865	.875	.900	.900	.890	.866
„ 12,...	.871	.867	.862	.866	.867	.886	.881	.902	.912	.904	.904	.888	.867	.836	.818	.800	.795	.803	.814	.833	.853	.865	.862	.848	.858
„ 13,...	.830	.810	.804	.800	.800	.811	.816	.841	.849	.845	.840	.810	.795	.779	.774	.752	.753	.755	.775	.785	.810	.824	.822	.805	.804
„ 14,...	.806	.790	.790	.783	.782	.802	.799	.803	.810	.808	.799	.784	.767	.752	.752	.736	.755	.763	.778	.797	.810	.821	.820	.814	.788
„ 15,...	.790	.782	.775	.767	.760	.763	.766	.780	.785	.760	.764	.742	.729	.708	.706	.699	.709	.718	.729	.731	.738	.745	.743	.717	.746
„ 16,...	.711	.707	.711	.704	.714	.716	.727	.736	.728	.713	.703	.673	.648	.630	.617	.621	.621	.623	.620	.634	.649	.656	.656	.649	.674
„ 17,...	.635	.615	.593	.587	.596	.614	.631	.632	.624	.613	.602	.591	.563	.548	.538	.531	.531	.539	.553	.565	.586	.589	.596	.588	.586
„ 18,...	.591	.586	.580	.586	.597	.601	.617	.619	.614	.601	.585	.562	.548	.529	.518	.512	.517	.525	.535	.557	.579	.599	.606	.603	.574
„ 19,...	.599	.589	.590	.594	.613	.636	.653	.661	.670	.667	.673	.658	.648	.641	.633	.636	.645	.654	.667	.677	.698	.707	.713	.707	.651
„ 20,...	.697	.698	.690	.697	.704	.722	.743	.762	.765	.760	.749	.744	.720	.704	.694	.691	.694	.701	.719	.732	.744	.768	.769	.759	.726
„ 21,...	.752	.740	.746	.747	.760	.780	.788	.784	.790	.794	.787	.778	.771	.757	.737	.722	.724	.748	.759	.776	.784	.792	.790	.770	.766
„ 22,...	.762	.749	.735	.735	.747	.759	.770	.779	.783	.772	.764	.754	.737	.725	.699	.693	.682	.699	.706	.726	.730	.744	.744	.714	.738
„ 23,...	.690	.670	.668	.658	.662	.683	.693	.709	.713	.712	.714	.698	.680	.659	.647	.617	.606	.620	.630	.643	.671	.678	.680	.672	.670
„ 24,...	.645	.636	.620	.609	.599	.613	.632	.649	.653	.645	.643	.629	.612	.593	.573	.565	.555	.559	.569	.597	.609	.641	.645	.635	.614
„ 25,...	.614	.621	.617	.630	.630	.639	.671	.688	.700	.708	.709	.699	.691	.677	.667	.661	.668	.671	.696	.722	.726	.743	.751	.734	.681
„ 26,...	.720	.703	.701	.707	.713	.728	.757	.779	.794	.794	.789	.780	.770	.749	.738	.729	.730	.733	.739	.763	.771	.789	.794	.789	.752
„ 27,...	.785	.775	.769	.767	.779	.791	.812	.826	.843	.846	.848	.836	.817	.800	.785	.770	.767	.768	.772	.784	.796	.810	.810	.803	.798
„ 28,...	.787	.779	.769	.769	.779	.797	.798	.813	.832	.831	.827	.811	.799	.787	.767	.755	.748	.749	.751	.760	.752	.765	.763	.753	.781
„ 29,...	.741	.733	.737	.739	.735	.747	.770	.786	.798	.790	.787	.775	.758	.752	.740	.709	.708	.696	.692	.718	.730	.746	.744	.742	.745
„ 30,...	.721	.721	.722	.729	.731	.743	.755	.761	.767	.755	.747	.736	.734	.716	.699	.687	.682	.693	.700	.707	.720	.738	.730	.723	.726
„ 31,...	.715	.702	.692	.705	.711	.721	.735	.747	.759	.761	.760	.748	.729	.709	.690	.683	.680	.684	.688	.697	.695	.711	.723	.712	.715
Means,.....	29.774	29.763	29.756	29.756	29.761	29.775	29.791	29.803	29.810	29.807	29.804	29.790	29.774	29.755	29.742	29.732	29.732	29.739	29.748	29.764	29.777	29.791	29.790	29.781	29.772

TABLE II.

TEMPERATURE FOR THE MONTH OF MAY, 1896.

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,	74.4	74.8	73.6	72.0	71.2	70.4	69.9	69.6	69.5	69.2	69.3	69.8	70.6	71.6	72.7	72.3	72.0	71.9	71.7	71.6	72.1	72.2	72.1	72.1	71.5	74.8	68.7
„ 2,	71.6	71.1	70.5	70.4	70.3	70.3	70.7	71.1	71.8	71.6	70.9	71.3	72.6	71.6	73.1	72.9	72.1	71.8	71.6	71.8	72.0	72.2	72.0	71.7	71.5	73.7	69.5
„ 3,	71.3	70.7	70.2	70.5	71.0	71.2	71.9	72.3	73.5	74.2	73.6	74.6	76.5	75.9	74.6	74.9	75.2	74.5	73.9	73.1	73.8	74.2	74.0	74.0	73.3	77.6	69.8
„ 4,	74.1	74.0	73.7	73.4	73.0	72.7	71.6	70.3	69.2	69.7	70.1	69.7	70.0	69.9	70.2	70.5	69.7	68.4	67.9	68.2	68.3	68.4	67.9	67.8	70.4	74.7	67.3
„ 5,	67.4	66.7	67.1	67.3	67.8	67.8	67.9	68.0	68.1	68.2	68.6	70.3	71.0	70.4	71.8	71.3	70.1	69.9	69.8	69.7	70.0	69.9	70.1	70.1	69.1	71.9	66.7
„ 6,	70.1	69.6	69.5	69.2	68.9	69.2	70.6	71.6	72.8	71.7	70.3	69.5	69.4	69.5	69.6	68.9	69.5	71.3	72.6	72.8	73.1	72.3	72.2	71.1	70.6	73.5	68.3
„ 7,	70.3	70.4	70.5	70.0	68.2	67.5	69.0	68.8	69.3	72.3	72.7	74.3	72.3	72.5	70.4	70.0	69.5	69.0	69.1	68.9	68.8	69.2	69.0	68.7	70.0	75.5	67.3
„ 8,	68.3	67.9	67.5	67.5	67.0	68.1	68.6	69.7	70.6	70.0	70.6	71.3	71.2	71.9	71.5	71.7	71.4	69.9	69.7	69.4	69.9	69.6	69.6	69.5	69.7	72.5	66.6
„ 9,	69.5	69.5	69.4	69.1	68.5	67.7	67.9	69.7	71.6	72.7	74.0	74.2	74.5	74.1	74.2	73.9	73.7	72.8	72.4	72.2	71.9	71.6	71.8	72.4	71.6	75.9	67.4
„ 10,	72.4	73.1	73.2	72.8	72.7	72.2	72.8	72.3	73.5	76.1	75.9	79.6	79.9	79.8	78.9	78.9	77.7	77.0	74.8	73.0	72.9	73.6	73.7	73.8	75.0	81.4	72.2
„ 11,	73.9	74.3	74.2	74.2	74.3	74.8	75.8	76.9	78.6	78.7	78.8	78.9	79.6	78.6	81.0	79.7	78.5	77.5	77.6	76.8	75.8	73.7	73.7	73.6	76.6	81.5	73.2
„ 12,	74.1	70.7	70.3	70.0	70.5	70.7	71.5	73.1	73.9	76.0	77.8	76.0	75.6	74.9	75.7	74.7	73.6	73.1	71.8	71.7	71.7	71.6	71.4	71.5	73.0	78.4	69.7
„ 13,	71.4	71.5	70.5	70.5	70.1	69.9	71.1	72.7	72.8	74.7	76.2	75.9	75.6	75.3	75.1	74.9	73.4	73.0	71.3	71.4	71.2	70.8	70.7	70.6	72.5	77.0	69.5
„ 14,	70.6	70.4	70.3	70.1	70.2	70.7	71.3	72.2	73.6	73.6	74.4	74.9	74.8	74.9	73.2	73.2	72.0	71.1	69.6	70.8	70.0	69.7	70.0	70.2	71.7	76.5	69.1
„ 15,	70.8	70.9	71.3	71.1	71.0	71.3	74.7	75.1	77.5	79.3	79.9	82.7	78.7	77.6	76.7	75.3	74.6	74.2	73.6	73.1	72.8	72.6	72.5	72.4	74.6	83.8	70.2
„ 16,	72.0	73.8	72.1	71.6	70.4	71.2	73.2	73.9	75.1	77.2	77.9	80.3	83.5	82.8	80.3	75.6	75.0	73.9	71.8	72.1	71.8	71.5	70.9	70.3	74.5	86.8	69.2
„ 17,	70.1	70.0	69.5	69.9	70.7	72.3	73.7	77.6	77.9	79.7	80.4	81.7	83.3	82.7	81.7	82.3	80.8	79.6	79.4	77.1	76.3	74.6	73.1	73.2	76.6	83.9	68.4
„ 18,	72.6	72.3	71.8	71.6	70.6	72.5	73.0	74.8	75.9	80.1	82.6	82.6	84.6	85.0	85.6	85.5	82.8	81.1	78.9	78.7	76.6	76.2	75.3	74.4	77.7	87.0	70.6
„ 19,	74.1	73.8	72.6	72.5	72.6	73.2	74.6	76.8	77.7	77.9	78.3	78.6	79.1	78.5	78.1	77.6	77.6	77.5	76.7	75.9	75.9	75.7	74.9	74.6	76.0	80.4	71.8
„ 20,	74.3	74.1	73.6	73.5	73.6	74.7	76.0	80.2	80.6	80.0	80.6	80.3	80.6	80.5	79.6	80.9	79.5	77.8	76.6	76.2	75.7	75.4	75.2	75.6	77.3	82.7	73.4
„ 21,	75.1	74.8	74.7	74.2	74.4	74.0	76.6	77.1	78.8	80.0	80.1	79.4	79.7	79.8	79.6	78.9	76.8	76.1	75.6	75.4	75.3	75.1	74.7	74.7	76.7	80.8	74.0
„ 22,	74.6	74.1	73.9	73.8	74.4	74.7	75.6	77.0	77.2	79.3	79.7	78.8	78.8	78.4	77.5	77.4	77.0	76.3	76.2	76.6	77.2	77.8	78.1	78.2	76.8	80.8	73.8
„ 23,	78.2	78.0	78.8	79.3	79.6	79.1	79.6	79.7	80.2	80.0	80.9	80.8	81.7	82.0	81.9	81.5	81.6	81.2	81.4	81.3	81.1	81.2	80.7	80.9	80.4	82.8	78.0
„ 24,	80.8	80.9	80.9	80.7	80.1	80.3	81.1	81.3	82.8	83.6	83.9	84.5	84.6	84.9	83.9	83.5	82.6	81.6	81.7	81.7	81.3	81.4	81.8	80.9	82.1	85.9	79.8
„ 25,	80.8	80.6	80.4	79.2	78.3	78.6	80.4	80.3	81.5	83.5	81.1	83.6	80.9	79.8	79.9	79.5	78.6	77.8	77.2	77.3	77.3	77.4	77.7	78.0	79.6	84.6	76.8
„ 26,	80.0	78.5	78.9	78.8	79.3	80.7	81.3	82.2	82.8	83.7	84.2	83.9	83.4	82.9	83.6	83.3	82.9	82.0	81.5	81.3	81.2	81.0	81.1	81.1	81.6	84.2	78.0
„ 27,	81.2	80.9	80.6	80.4	80.4	80.5	81.9	82.6	82.9	85.1	83.8	83.1	83.1	83.0	83.3	82.8	83.3	81.9	81.6	81.2	81.4	81.3	81.1	80.5	82.0	86.4	80.2
„ 28,	80.3	80.2	80.3	80.3	80.0	80.2	81.2	81.9	82.3	86.0	85.9	86.5	86.9	86.5	86.0	85.3	83.8	83.1	81.6	81.4	80.4	80.9	80.8	80.6	82.6	87.7	79.7
„ 29,	80.7	80.7	80.5	80.4	80.1	80.6	81.8	82.1	83.9	84.5	86.0	86.4	86.3	87.7	86.3	85.6	84.7	83.6	81.5	81.6	80.7	81.3	81.2	80.6	82.9	88.2	80.0
„ 30,	79.7	79.6	80.1	80.7	80.6	81.0	80.9	81.8	84.2	85.8	87.0	86.9	86.6	87.9	86.6	86.7	84.9	83.3	82.1	81.5	81.3	81.3	81.0	80.7	83.0	88.5	79.6
„ 31,	80.6	80.5	80.6	80.6	80.6	80.9	80.6	83.3	84.6	87.1	88.3	89.5	89.6	88.9	87.9	86.6	85.2	83.6	82.0	81.8	81.6	81.3	80.7	80.6	83.6	90.5	80.3
Means,	74.4	74.1	73.9	73.7	73.6	73.8	74.7	75.7	76.6	77.8	78.2	78.7	78.9	78.7	78.4	77.9	77.1	76.3	75.6	75.3	75.1	75.0	74.8	74.7	76.0	81.0	72.6

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF MAY, 1896.

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.	Solar Max.
May 1, ...	73.5	73.6	72.2	71.0	70.4	69.8	69.4	68.9	68.7	66.8	67.9	67.9	68.2	68.0	68.6	68.3	68.0	68.3	68.4	68.8	68.9	69.2	68.9	68.8	69.3	99.6
„ 2, ...	68.6	67.4	67.1	67.0	67.2	67.2	67.3	67.2	67.4	67.7	66.7	66.9	67.7	67.3	67.7	68.0	67.3	68.3	68.3	68.6	68.7	68.8	69.1	69.0	67.8	137.8
„ 3, ...	69.2	68.7	68.5	68.5	68.8	69.1	69.7	69.8	71.0	71.1	70.7	71.0	71.8	71.6	71.4	71.3	72.2	71.0	70.9	70.8	70.9	71.2	71.6	72.1	70.5	136.0
„ 4, ...	72.2	72.1	72.1	71.7	71.5	71.6	71.0	69.7	68.8	68.7	68.0	67.8	67.5	67.2	67.2	67.7	67.4	67.1	66.9	67.3	67.0	66.5	66.2	65.8	68.7	99.8
„ 5, ...	65.7	65.1	64.9	64.7	64.9	65.0	65.2	65.4	65.2	65.1	65.0	65.7	66.5	65.7	66.1	66.1	65.9	65.9	66.0	65.8	66.4	66.5	67.1	67.2	65.7	135.5
„ 6, ...	67.2	67.0	67.0	66.9	66.7	66.9	67.4	68.3	68.7	67.8	68.2	68.0	68.2	68.4	68.7	67.2	65.0	64.5	64.9	64.5	65.5	65.9	65.8	66.1	66.9	126.3
„ 7, ...	66.1	66.0	66.1	65.9	65.9	65.6	64.2	64.1	64.9	66.2	65.6	66.5	66.8	66.8	66.7	65.8	65.6	65.4	65.0	65.1	64.8	64.7	63.8	63.7	65.5	144.8
„ 8, ...	63.1	62.9	62.4	62.1	61.8	62.5	62.1	63.0	62.9	61.2	61.7	61.8	60.7	61.7	61.1	62.4	62.2	62.4	62.7	62.9	63.5	63.8	63.9	64.1	62.5	127.5
„ 9, ...	64.4	64.2	63.8	63.7	63.6	63.7	64.0	63.8	64.0	63.0	64.9	65.0	65.9	65.8	65.9	66.0	66.0	66.1	66.0	66.6	67.3	68.2	68.7	68.4	65.4	139.9
„ 10, ...	68.6	69.0	69.5	68.1	68.0	68.8	69.7	69.9	71.0	71.1	71.2	73.5	72.1	72.0	72.8	72.2	72.1	72.8	71.3	70.8	71.4	72.1	72.5	73.4	71.0	144.8
„ 11, ...	72.9	72.4	72.6	72.3	72.2	71.8	72.7	73.3	73.6	73.2	73.3	74.1	74.7	74.6	76.0	74.3	74.0	74.2	73.1	72.7	71.6	71.2	71.2	71.5	73.1	131.9
„ 12, ...	71.6	68.9	68.0	67.1	66.8	67.0	67.9	69.9	69.7	70.8	70.8	71.2	71.3	70.3	70.0	69.3	68.2	68.0	67.2	66.0	67.4	66.2	65.8	65.4	68.5	139.6
„ 13, ...	65.6	64.7	64.5	64.8	65.4	66.3	67.0	66.9	66.8	64.8	64.3	64.1	66.0	66.0	65.9	68.1	68.3	68.1	67.2	67.2	66.6	66.0	65.8	65.5	66.1	131.8
„ 14, ...	65.6	65.4	65.6	65.7	65.9	66.1	65.7	66.0	66.8	66.8	67.7	68.8	68.8	68.9	68.0	68.2	67.7	68.1	68.1	69.4	69.1	68.3	68.3	68.7	67.4	142.3
„ 15, ...	68.8	68.4	68.3	68.1	67.0	66.5	67.8	67.8	69.0	69.4	70.0	69.8	70.8	71.3	70.6	70.4	70.0	69.8	69.2	69.5	69.0	68.9	68.8	68.4	69.1	141.7
„ 16, ...	68.7	65.5	67.3	62.8	62.7	63.2	64.0	64.0	65.1	65.8	67.0	68.5	68.9	67.9	67.2	69.8	68.3	69.2	69.2	69.0	68.3	68.2	68.2	67.7	66.9	149.3
„ 17, ...	67.3	67.2	67.0	66.7	65.9	65.3	64.9	64.1	65.0	67.2	66.8	67.7	69.2	69.3	68.0	68.0	65.8	65.9	65.0	66.9	67.7	68.8	69.0	69.6	67.0	135.4
„ 18, ...	68.5	68.7	68.7	69.2	68.7	69.0	69.8	68.7	69.2	72.0	71.8	73.0	72.7	73.7	72.6	72.3	71.7	68.6	66.8	66.9	70.8	69.8	68.9	72.1	70.2	136.8
„ 19, ...	72.7	72.6	71.5	71.1	70.5	70.2	70.1	69.4	72.5	72.7	73.6	73.6	73.7	73.0	73.4	73.5	73.7	73.0	72.5	72.8	73.4	73.0	72.8	73.0	72.4	130.2
„ 20, ...	72.7	72.8	72.7	72.5	72.6	72.9	73.2	76.8	73.2	73.7	74.1	75.0	74.1	73.7	73.8	73.7	73.9	71.9	71.8	71.6	71.7	72.4	72.3	72.0	73.1	132.8
„ 21, ...	72.5	72.3	72.8	72.6	72.9	72.8	73.8	74.0	74.5	74.4	74.7	73.8	73.6	73.8	72.5	74.2	73.5	73.0	72.9	72.8	72.7	72.5	72.1	72.1	73.2	140.4
„ 22, ...	71.8	71.7	71.8	71.3	71.7	71.8	72.3	73.0	73.7	73.8	74.0	73.9	74.0	74.1	74.1	74.3	74.2	73.1	74.6	74.8	75.6	75.7	75.8	75.8	73.6	143.2
„ 23, ...	75.8	75.8	75.9	75.8	76.1	76.2	76.8	77.0	77.2	77.3	77.0	77.7	77.8	78.2	77.8	77.6	77.8	77.8	77.7	77.7	77.8	77.6	77.9	78.0	77.2	113.8
„ 24, ...	77.5	77.4	77.5	76.9	77.3	77.0	76.9	77.2	77.1	78.1	78.2	78.6	78.9	79.0	78.8	78.3	78.7	78.2	77.8	77.7	78.1	78.2	78.0	78.4	77.9	151.1
„ 25, ...	78.4	78.3	78.2	77.4	77.0	76.5	76.8	76.2	77.0	78.3	77.4	79.1	77.8	77.5	76.8	76.0	76.0	74.8	75.8	76.0	76.2	76.2	76.5	77.3	77.0	131.8
„ 26, ...	77.3	77.7	78.0	78.3	78.4	78.3	78.1	78.2	78.5	78.7	79.0	78.9	78.6	78.3	78.5	78.7	79.0	78.3	78.2	78.1	78.2	77.9	78.0	78.0	78.3	129.0
„ 27, ...	78.1	77.5	77.4	77.8	77.3	77.4	78.0	78.0	79.1	78.7	78.1	77.2	77.6	77.8	78.0	77.7	78.1	77.7	77.5	77.5	77.6	77.7	77.8	77.2	77.8	143.1
„ 28, ...	77.1	77.0	77.1	77.1	76.8	77.2	77.5	77.7	77.7	78.2	78.0	78.0	78.1	77.4	77.5	76.3	75.7	77.0	76.9	77.4	77.3	76.7	76.6	76.2	77.2	149.3
„ 29, ...	76.3	76.3	76.2	76.9	76.1	76.0	76.2	76.7	77.1	76.8	78.1	78.0	77.2	78.6	77.8	77.6	77.0	77.7	76.8	76.9	75.9	76.7	77.5	76.3	76.9	144.0
„ 30, ...	75.9	76.1	75.7	76.3	76.0	76.7	76.9	77.6	77.5	78.4	78.1	78.9	78.3	78.5	77.9	78.7	78.3	77.0	77.2	77.2	77.7	77.1	77.0	77.3	77.3	145.2
„ 31, ...	77.3	77.4	76.8	77.0	76.9	77.7	76.7	78.0	78.1	78.7	78.0	79.2	78.8	77.9	78.6	78.2	76.8	77.2	76.9	76.8	76.3	76.3	76.5	76.7	77.4	144.4
Means, ...	71.3	71.0	70.9	70.6	70.4	70.5	70.7	71.0	71.3	71.5	71.6	72.0	72.1	72.1	71.9	71.9	71.6	71.3	71.1	71.2	71.4	71.4	71.4	71.5	71.3	135.5

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF MAY, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	86	0.735	May 1,.....	89	0.688
2 „	86	.727	„ 2,.....	82	.632
3 „	86	.725	„ 3,.....	87	.710
4 „	86	.717	„ 4,.....	91	.680
5 „	85	.710	„ 5,.....	82	.587
6 „	84	.711	„ 6,.....	82	.610
7 „	81	.706	„ 7,.....	77	.569
8 „	78	.705	„ 8,.....	67	.471
9 „	76	.704	„ 9,.....	70	.545
10 „	72	.697	„ 10,.....	81	.706
11 „	72	.695	„ 11,.....	84	.769
Noon.	71	.704	„ 12,.....	78	.638
1 p.	71	.706	„ 13,.....	69	.557
2 „	72	.708	„ 14,.....	79	.615
3 „	72	.704	„ 15,.....	74	.638
4 „	74	.711	„ 16,.....	66	.559
5 „	75	.710	„ 17,.....	59	.536
6 „	77	.709	„ 18,.....	67	.639
7 „	79	.711	„ 19,.....	84	.748
8 „	82	.718	„ 20,.....	81	.759
9 „	83	.729	„ 21,.....	84	.772
10 „	84	.730	„ 22,.....	85	.787
11 „	84	.733	„ 23,.....	86	.891
Midt.	85	.738	„ 24,.....	82	.900
			„ 25,.....	89	.894
			„ 26,.....	86	.925
			„ 27,.....	82	.897
			„ 28,.....	77	.863
			„ 29,.....	75	.845
			„ 30,.....	76	.860
			„ 31,.....	74	.858
Means,.....	79	0.714	Means.	79	0.714

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.
1896.														
May 1,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,.....	...	...	0.1	0.2	0.4	0.2	0.1	0.5	0.1	0.1	...	...	...	1.7
„ 3,.....	...	...	...	...	...	...	...	...	0.1	...	...	0.7	0.2	1.0
„ 4,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,.....	...	...	...	...	...	...	0.5	0.7	0.1	0.3	0.1	0.1	...	1.8
„ 6,.....	...	0.6	0.6	...	...	...	...	...	...	...	...	...	...	1.2
„ 7,.....	...	...	...	...	...	0.2	0.1	0.1	0.5	0.5	0.4	0.1	...	1.9
„ 8,.....	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	0.2	0.3	...	8.1
„ 9,.....	...	...	0.1	0.2	1.0	1.0	0.4	0.2	0.7	1.0	1.0	1.0	0.4	7.0
„ 10,.....	...	...	...	...	0.3	0.1	0.7	0.6	...	...	0.7	0.3	0.1	2.8
„ 11,.....	...	...	...	...	...	...	...	...	0.1	0.6	0.1	...	...	0.8
„ 12,.....	...	...	0.8	0.3	...	0.1	...	...	0.2	0.9	0.6	0.6	0.4	3.9
„ 13,.....	0.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.8
„ 14,.....	...	0.9	0.9	0.4	0·9	0.7	0.1	0.3	0.1	0.1	0.4	...	...	4.8
„ 15,.....	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	...	9.7
„ 16,.....	0.4	0.8	0.1	...	0.3	0.2	0.7	1.0	0.9	0.6	...	0.3	0.3	5.6
„ 17,.....	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
„ 18,.....	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
„ 19,.....	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	11.5
„ 20,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	10.8
„ 21,.....	...	0.1	0.3	0.7	1.0	1.0	0.9	0.2	1.0	1.0	0.9	0.8	0.3	8.2
„ 22,.....	...	...	0.2	0.1	0.5	0.7	0.7	0.1	0.1	...	...	...	...	2.4
„ 23,.....	...	...	...	...	...	...	...	...	0.1	...	0.2	...	...	0.3
„ 24,.....	...	...	...	0.1	0.9	0.9	0.8	0.6	0.9	0.9	0.1	...	...	5.2
„ 25,.....	...	0.4	0.6	0.5	...	...	...	...	0.6	0.3	0.6	0.8	0.2	4.0
„ 26,.....	...	...	...	0.1	0.5	0.1	0.3	0.1	...	0.1	...	0.2	...	1.4
„ 27,.....	0.2	1.0	1.0	0.9	1.0	0.5	0.2	...	0.1	0.1	0.4	0.7	0.2	6.3
„ 28,.....	...	0.2	0.9	0.7	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.5	10.2
„ 29,.....	...	0.2	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	10.6
„ 30,.....	...	0.1	0.8	0.7	1.0	1.0	1.0	0.8	0.9	1.0	1.0	1.0	0.5	9.8
„ 31,.....	...	0.4	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	10.8
Sums,.....	2.1	11.2	15.4	13.7	17.8	16.7	16.5	15.1	15.8	16.5	15.3	14.7	5.2	176.0

TABLE VI.

RAINFALL FOR THE MONTH OF MAY, 1896.

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.	Duration Hours.
May 1,	...	...	...	0.005	0.015	0.040	0.015	0.020	0.020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.115	7
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	0.010	0.005	0.005	0.010	...	...	...	...	...	0.005	0.005	0.005	0.005	0.005	0.005	0.005	...	0.005	0.070	15
„ 5,	...	0.005	...	0.005	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.015	8
„ 6,	...	...	...	...	...	...	...	...	...	...	0.035	0.050	0.140	0.150	0.055	0.095	0.015	...	...	...	...	...	...	...	0.540	7
„ 7,	0.020	0.005	...	...	0.030	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.055	2
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.005	0.010	5
„ 11,	0.005	0.005	0.005	0.005	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.020	...	...	0.055	8
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.025	0.035	0.005	...	...	...	0.075	6
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.010	0.020	...	0.035	1
„ 23,	...	...	...	...	...	0.005	0.010	...	...	0.030	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.045	1
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	0.060	...	0.020	0.045	...	...	...	...	...	...	...	...	...	...	0.125	1
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.025	0.015	0.005	0.025	0.050	0.045	0.040	0.025	0.025	0.040	0.095	0.050	0.160	0.195	0.055	0.100	0.020	0.015	0.030	0.040	0.025	0.035	0.025	0.010	1.150	68

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF MAY, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
May 1	7	16	7	18	7	18	8	22	7	25	7	27	7	27	7	31	7	28	7	27	7	32	7	27	7	25	7	25	7	31	7	24	7	24	7	20	7	20	7	23	8	30	8	30	8	31	8	25	606	25.2	7
" 2	7	27	7	25	7	29	7	29	7	31	7	30	7	26	7	24	7	26	7	27	7	23	7	28	7	21	7	17	7	14	9	14	9	15	9	15	8	17	7	18	7	15	7	19	7	16	530	22.1	7
" 3	7	15	7	13	7	18	7	16	8	12	8	13	8	14	7	17	8	17	7	20	7	16	8	14	8	15	8	18	9	15	9	14	9	14	8	16	8	13	8	11	8	11	9	13	9	11	9	8	344	14.3	8
" 4	9	7	9	8	9	9	9	3	9	7	9	10	8	23	7	31	6	35	7	30	7	34	7	31	7	32	7	38	7	34	7	30	8	29	7	26	7	28	7	27	7	33	7	32	7	29	8	28	594	24.7	7
" 5	7	27	7	31	7	29	6	29	7	25	7	24	7	25	6	25	7	29	7	27	7	32	7	30	7	27	7	23	7	25	7	21	7	24	7	22	7	23	7	21	7	21	7	22	7	19	8	18	599	25.0	7
" 6	7	14	8	16	7	15	7	13	7	15	7	16	8	22	8	22	8	22	7	16	9	18	9	17	8	11	9	11	9	9	3	12	2	16	2	25	1	29	2	22	2	18	2	8	1	14	1	20	401	16.7	5
" 7	1	14	2	9	2	10	1	11	9	3	9	3	3	9	1	11	1	10	2	10	1	7	5	11	8	15	9	20	7	23	8	21	7	21	7	18	7	23	7	21	7	24	7	19	7	23	7	23	359	15.0	6
" 8	6	21	7	16	7	15	7	19	7	19	6	19	6	17	7	20	7	21	7	23	7	21	9	24	9	26	9	24	7	22	7	20	7	23	6	23	7	26	7	21	6	21	6	18	7	23	7	24	506	21.1	7
" 9	7	22	7	23	6	23	6	23	7	22	7	25	7	20	7	18	8	21	8	21	8	18	10	16	9	15	9	18	10	20	10	17	9	20	9	19	9	21	8	19	7	21	7	17	8	15	7	15	469	19.5	8
" 10	8	16	9	9	9	13	7	18	8	16	9	10	9	11	8	13	6	14	6	17	7	19	9	10	8	15	8	17	10	19	8	25	9	11	9	11	9	16	9	17	10	13	10	6	10	8	9	12	336	14.0	8
" 11	8	14	9	13	9	10	8	13	7	14	8	12	7	8	6	5	6	7	8	11	8	10	7	7	8	8	8	10	8	11	10	11	9	12	2	9	2	11	2	11	3	12	3	8	4	4	4	2	233	9.7	7
" 12	9	19	7	29	7	27	7	28	7	28	7	21	7	19	7	11	8	8	10	11	7	14	9	14	9	18	9	18	9	17	9	21	8	23	9	24	8	21	7	20	7	18	7	20	7	23	7	17	469	19.5	8
" 13	8	14	7	21	7	18	8	16	7	16	7	19	7	21	7	19	8	26	8	24	7	27	7	24	9	23	9	22	8	25	7	25	7	25	6	25	7	29	7	32	7	37	7	32	6	33	7	36	589	24.5	7
" 14	7	32	7	28	7	22	7	18	7	14	7	15	8	18	8	22	8	26	7	25	9	22	8	22	9	26	9	21	10	25	8	22	9	24	7	14	9	14	8	12	9	20	8	19	7	15	9	14	490	20.4	8
" 15	9	14	10	9	10	5	10	11	7	3	...	1	32	4	7	7	5	9	4	7	20	5	20	4	9	15	8	17	8	20	9	23	9	18	8	16	7	17	8	18	8	18	9	18	7	8	10	9	276	11.5	8
" 16	9	9	7	13	7	14	2	12	2	6	32	10	1	9	1	9	6	6	7	6	10	9	11	10	21	7	13	7	9	13	8	15	8	18	8	21	8	21	9	22	9	22	8	18	7	16	7	14	307	12.8	7
" 17	8	13	9	11	9	5	...	1	12	2	5	2	9	4	2	9	1	7	10	5	10	6	24	10	24	11	24	10	22	10	22	11	22	10	22	10	22	9	23	2	...	1	30	4	30	4	30	3	160	6.7	24
" 18	...	1	2	5	5	6	7	4	7	2	7	4	7	2	7	2	...	0	6	5	26	8	25	9	24	9	25	10	24	9	23	7	25	2	16	4	17	2	25	2	16	3	5	6	3	6	32	4	112	4.7	28
" 19	30	4	30	4	...	0	...	0	1	3	9	9	9	7	7	7	7	14	9	20	8	21	8	21	8	20	8	21	8	18	7	16	8	13	10	7	15	4	13	3	...	1	14	2	...	1	13	3	219	9.1	8
" 20	...	0	...	0	...	0	...	0	...	0	...	0	...	0	13	3	15	2	27	3	8	10	8	20	8	18	8	16	13	14	10	10	14	9	14	8	14	6	13	3	13	6	14	2	...	1	151	6.3	10
" 21	...	0	...	0	11	4	10	9	9	11	9	13	9	16	9	17	10	21	9	18	9	23	10	21	9	18	8	15	9	17	9	18	9	19	9	15	9	17	9	17	8	15	9	14	10	12	10	10	340	14.2	9
" 22	9	8	9	6	9	11	7	11	9	11	9	10	8	10	8	13	7	14	7	17	8	22	8	19	8	21	8	19	8	18	9	17	9	22	9	19	8	23	8	19	10	21	13	18	13	25	13	26	400	16.7	9
" 23	13	25	14	23	14	29	14	25	14	29	15	23	15	23	15	24	15	23	16	25	18	25	18	21	17	19	17	21	18	24	17	27	18	24	18	29	17	26	17	26	18	19	19	19	19	19	19	18	566	23.6	16
" 24	18	26	19	26	18	18	18	20	17	20	18	17	18	21	18	23	19	26	19	32	19	34	18	34	19	26	19	27	19	31	19	28	19	27	19	23	19	23	19	25	19	29	19	24	19	23	21	13	596	24.8	19
" 25	21	10	21	9	22	4	27	3	27	3	2	4	5	6	8	10	8	6	8	4	22	8	26	4	9	11	7	15	8	17	8	19	7	20	7	17	8	19	8	15	7	15	8	15	9	14	9	15	263	11.0	8
" 26	8	8	7	8	8	8	9	5	10	5	16	8	15	9	15	10	14	8	16	12	16	14	16	12	16	12	16	15	15	12	15	11	15	10	15	10	15	13	15	13	16	13	16	11	16	10	16	6	243	10.1	15
" 27	16	11	16	13	16	13	17	12	16	14	16	11	16	13	16	13	16	12	16	14	16	14	16	13	16	15	16	12	15	11	15	12	15	13	14	11	15	10	16	11	15	10	16	11	17	10	16	10	289	12.0	16
" 28	15	9	16	6	15	4	17	4	16	5	...	1	17	8	16	6	15	9	18	12	18	15	17	13	18	12	18	15	17	14	18	15	17	12	17	12	18	9	17	3	15	5	17	5	18	7	17	10	211	8.8	17
" 29	18	10	19	9	18	15	21	11	19	13	19	11	18	12	18	14	19	13	20	13	19	17	19	20	19	18	19	16	19	20	19	17	19	13	19	8	18	7	18	12	18	10	18	5	15	5	18	4	293	12.2	19
" 30	18	3	19	3	19	8	19	8	18	5	18	5	23	6	20	6	19	7	18	8	19	13	18	10	21	12	19	15	17	14	17	11	18	9	17	8	18	4	17	5	17	5	18	2	15	4	18	6	177	7.4	18
" 31	19	3	20	6	21	7	21	8	20	11	20	12	22	9	20	11	22	12	22	10	24	11	22	9	21	11	18	13	19	14	17	11	17	12	17	9	18	9	18	8	19	3	...	0	22	7	21	5	211	8.8	20
Sums	...	412	...	410	...	407	...	402	...	390	...	385	...	419	...	453	...	479	...	500	...	548	...	525	...	537	...	552	...	571	...	549	...	532	...	495	...	510	...	481	...	490	...	437	...	440	...	415	11339	472.5	...
Means	...	13.3	...	13.2	...	13.1	...	13.0	...	12.6	...	12.4	...	13.5	...	14.6	...	15.5	...	16.1	...	17.7	...	16.9	...	17.3	...	17.8	...	18.4	...	17.7	...	17.2	...	16.0	...	16.5	...	15.5	...	15.8	...	14.1	...	14.2	...	13.4	365.8	15.2	...

TABLE VIII.

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
1896.												
May 1, ...	10	str-cum.	E	10	nim.	E	10	nim.	...	10	nim.	...
„ 2, ...	10	str-cum.	E	10	cum.	E	10	sm-cum. / R-cum.	E	9	R-cum.	E
„ 3, ...	10	nim.	E	10	str-cum.	E	10	str-cum.	...	10	str-cum.	E
„ 4, ...	10	str-cum.	...	10	str.	...	10	nim.	ENE	10	nim.	E
„ 5, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	str-cum.	E
„ 6, ...	10	str.	...	10	str.	...	4	c-cum. / cum.	WSW / ESE	10	nim.	...
„ 7, ...	10	nim.	...	10	str.	...	10	cum-nim.	ENE	10	str-cum.	..
„ 8, ...	0	...	...	0	...	...	1	cum.	...	0	...	...
„ 9, ...	10	str-cum.	E	10	str.	E	7	sm-cum. / cum.	E	7	c-cum. / cum.	W / E
„ 10, ...	10	str.	...	10	str.	...	10	sm-cum. / cum.	ESE	9	sm-cum. / cum.	W / E
„ 11, ...	10	nim.	...	10	nim.	...	10	cum-nim.	E	10	str-cum.	E
„ 12, ...	10	nim.	...	10	nim.	...	5	c-str. / cum.	E	10	sm-cum. / cum.	ENE
„ 13, ...	2	cum.	...	3	cum.	...	1	cum.	...	2	c-cum. / sm-cum.	N / E
„ 14, ...	7	cum.	E	8	cum.	...	2	c-cum.	E	4	c-cum.	E
„ 15, ...	10	cum.	E	8	cum.	...	2	c-cum.	E	1	c-cum.	NE
„ 16, ...	10	cum.	...	1	cum.	...	3	c-cum. / sm-cum.	...	9	c-cum. / sm-cum.	E
„ 17, ...	0	...	...	0	...	...	8	c-cum.	W	1	c-cum.	...
„ 18, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 19, ...	0	...	...	0	...	...	0	...	...	1	cum.	...
„ 20, ...	1	cum.	...	3	cum.	...	3	c-cum. / cum.	SW	1	sm-cum. / cum.	...
„ 21, ...	9	sm-cum. / cum.	ESE	5	cum.	SE	7	sm-cum. / cum.	W / ..	4	c-cum. / cum.	W / ESE
„ 22, ...	6	c-cum. / cum.	ESE	2	cum.	ESE	7	sm-cum.	...	8	c-str. / sm-cum. / cum.	N / .. / S
„ 23, ...	9	cum.	SSE	10	R-cum.	SSE	10	R-cum.	S	10	nim.	S
„ 24, ...	9	cum-nim.	SW	8	cum.	SW	10	c-cum. / cum. / R-cum.	.. / WSW / SW	9	sm-cum. / cum.	W / SSW
„ 25, ...	9	c-str. / cum.	WSW	8	cum.	...	10	sm-cum. / cum.	W / WSW	10	str-cum.	WSW
„ 26, ...	9	cum.	SSE	9	cum-nim.	SSE	10	R-cum.	S	9	c-cum. / cum.	S
„ 27, ...	9	cum. / R-cum.	WSW / S	10	R-cum.	S	9	cum.	SSW	8	cum.	SSW
„ 28, ...	8	R-cum.	SSW	9	sm-cum. / cum.	W / S	8	cum.	SSW	7	cum.	SSW
„ 29, ...	9	cum.	SW	10	cum-nim.	SW	6	cum.	SW	3	cum.	SW
„ 30, ...	3	cum.	WSW	3	cum.	WSW	8	cum.	WSW	4	cum.	WSW
„ 31, ...	5	cum.	WSW	9	cum.	WSW	5	cum.	WSW	2	cum.	WSW
Means, ...	7.3	...	...	7.0	...	...	6.6	...	...	6.4	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
May 1,...	10	cum-nim.	E	9	str-cum.	E	10	cum.	E	10	str-cum.	...	9.9
" 2,...	9	c-cum. / sm-cum. / cum.	E	9	c-cum. / cum.	E	9	cum.	E	6	cum.	E	9.0
" 3,...	10	sm-cum. / cum.	ESE	9	sm-cum. / cum.	S	8	c-cum.	W	10	cum.	...	9.6
" 4,...	10	nim.	ENE	10	cum-nim.	E	10	nim.	E	10	nim.	...	10.0
" 5,...	8	sm-cum. / cum.	E	9	sm-cum. / cum.	W / ESE	10	sm-cum.	...	10	cum-nim.	...	9.6
" 6,...	10	nim.	...	10	nim.	...	10	cum.	...	10	str.	...	9.3
" 7,...	10	cum.	...	8	cum.	E	10	R-cum.	E	10	str-cum.	...	9.7
" 8,...	7	sm-cum.	...	7	sm-cum. / cum.	S	10	cum.	S	10	str.	...	4.4
" 9,...	9	sm-cum.	...	1	c-cum. / cum.	ESE	6	sm-cum. / cum.	W / ESE	2	cum.	...	6.5
" 10,...	9	sm-cum. / cum.	E	8	sm-cum. / cum.	E	4	cum.	E	10	cum-nim.	...	8.8
" 11,...	10	cum-nim.	E	10	sm-cum. / cum.	E	10	cum.	E	10	nim.	E	10.0
" 12,...	10	sm-cum. / cum.	ESE / E	7	sm-cum.	E	0	...	...	5	c-str. / cum.	...	7.1
" 13,...	1	c-cum.	E	2	c-cum. / cum.	E / E	2	c-cum. / cum.	ESE / ENE	1	cum.	...	1.7
" 14,...	7	c-cum. / sm-cum.	E	9	sm-cum. / cum.	E	10	nim.	E	10	nim.	E	7.1
" 15,...	2	c-cum.	NE	6	sm-cum.	ENE	9	cum.	ENE	8	cum.	...	5.8
" 16,...	6	c-cum. / sm-cum.	E	9	sm-cum.	E	7	sm-cum.	...	1	cum.	...	5.7
" 17,...	0	...	...	0	...	...	0	...	...	0	...	...	1.1
" 18,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
" 19,...	0	...	...	1	cum.	...	1	cum.	...	4	cum.	SW	0.9
" 20,...	3	sm-cum. / cum.	WSW / E	1	cum.	E	0	...	...	0	...	...	1.5
" 21,...	9	sm-cum. / cum.	W / E	6	c-cum. / cum.	W / E	7	c-cum. / sm-cum. / cum.	.. / W / ESE	3	cum.	ESE	6.3
" 22,...	9	sm-cum. / cum.	W / SSE	10	cum.	SSE	10	cum-nim.	SSE	10	cum-nim.	SSE	7.7
" 23,...	10	R-cum.	S	10	sm-cum / cum.	W / SW	9	cum.	SSW	10	cum.	SW	9.8
" 24,...	9	c-cum. / cum.	SW	9	c-cum. / cum.	SW	9	c-str. / cum.	SW	9	c-str. / sm-cum. / cum.	SW	9.0
" 25,...	10	cum. / nim.	WSW / E	8	sm-cum. / cum.	W / W	9	sm-cum. / cum.	SW	9	sm-cum. / cum.	W / ..	9.1
" 26,...	10	cum.	S	9	c-cum. / cum.	S	8	c-cum. / cum.	S	3	cum.	S	8.4
" 27,...	6	cum.	SSW	9	cum.	SSW	9	cum.	SSW	7	cum.	SSW	8.4
" 28,...	6	cum.	SSW	1	cum.	...	1	cum.	SW	7	cum.	SW	5.9
" 29,...	1	cum.	...	1	cum.	...	0	...	...	9	cum.	SW	4.9
" 30,...	7	cum.	WSW	1	cum.	...	1	cum.	W	3	cum.	...	3.7
" 31,...	1	cum.	...	1	cum.	...	1	cum.	...	1	cum.	...	3.1
Means,...	6.7	...	...	6.1	...	...	6.1	...	...	6.4	...	...	6.6

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF MAY, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	1.8	10.0	3.1	0 8	− 1.3	+ 9.2	E 8° S
2 „	1.9	9.9	3.0	1.1	1.1	8.8	E 7° S
3 „	1.9	9.9	3.2	0.9	1.3	9.0	E 8° S
4 „	2.4	9.5	2.7	1.1	0.3	8.4	E 2° S
5 „	1.7	9.4	3.2	0.7	1.5	8.7	E 10° S
6 „	1.9	9.1	2.9	0.7	1.0	8.4	E 7° S
7 „	1.9	9.8	3.0	0.9	1.1	8.9	E 7° S
8 „	2.4	10.5	3.3	0.8	0.9	9.7	E 5° S
9 „	2.3	11.3	3.4	1.2	1.1	10.1	E 6° S
10 „	2.1	11.5	3.9	1.5	1.8	10.0	E 10° S
11 „	1.7	12.0	4.5	2.5	2.8	9.5	E 17° S
Noon.	1.2	11.4	4.9	2.3	3.7	9.1	E 22° S
1 p.	0.7	12.2	4.5	2.5	3.8	9.7	E 21° S
2 „	0.8	12.6	4.9	2.2	4.1	10.4	E 21° S
3 „	0.9	13.2	5.5	2.2	4.6	11.0	E 23° S
4 „	1.3	12.5	5.4	1.8	4.1	10.7	E 21° S
5 „	1.4	12.5	4.8	1.6	3.4	10.9	E 17° S
6 „	2.3	11.1	4.6	1.4	2.3	9.7	E 13° S
7 „	2.2	11.6	4.0	1.2	1.8	10.4	E 10° S
8 „	2.0	11.2	3.6	1.1	1.6	10.1	E 9° S
9 „	2.3	11.9	3.6	1.0	1.3	10.9	E 7° S
10 „	1.9	10.6	3.3	0.9	1.4	9.7	E 8° S
11 „	2.4	10.3	3.5	1.2	1.1	9.1	E 7° S
Midt.	1.8	9.7	3.3	1.0	− 1.5	+ 8.7	E 9° S
Means, ...	1.8	11.0	3.8	1.4	−2.04	+ 9.63	E 12° S

PHENOMENA :—

Solar halo :—on the 2nd, 22nd and 26th.

Lunar halo :—on the 24th.

Lunar corona :—on the 20th and 24th.

Haze :—on the 14th, 18th, 19th and 20th.

Unusual visibility :— on the 7th.

Dew :—on the 17th, 18th, 19th and 20th.

Rainbow :—on the 14th.

Lightning without thunder :—on the 23rd, 24th, 26th and 30th.

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JUNE, 1896.

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,...	29.698	29.688	29.672	29.668	29.670	29.682	29.699	29.705	29.702	29.695	29.694	29.678	29.662	29.642	29.632	29.618	29.612	29.621	29.645	29.671	29.690	29.705	29.703	29.684	29.672
„ 2,...	.664	.651	.641	.640	.639	.660	.674	.690	.697	.690	.680	.663	.665	.667	.663	.656	.656	.652	.676	.694	.707	.713	.716	.690	.673
„ 3,...	.676	.666	.666	.665	.668	.680	.695	.699	.699	.702	.692	.679	.676	.675	.659	.650	.656	.665	.683	.703	.709	.722	.713	.695	.683
„ 4,...	.682	.671	.664	.666	.674	.700	.720	.746	.752	.757	.755	.753	.749	.743	.748	.746	.737	.760	.769	.784	.792	.808	.804	.788	.740
„ 5,...	.776	.770	.774	.782	.794	.808	.815	.827	.835	.834	.826	.819	.813	.806	.796	.785	.784	.788	.804	.823	.828	.835	.832	.805	.807
„ 6,...	.796	.792	.779	.779	.782	.800	.802	.801	.801	.799	.800	.789	.777	.749	.737	.721	.710	.710	.719	.737	.744	.747	.746	.734	.765
„ 7,...	.734	.719	.709	.711	.707	.713	.723	.718	.720	.706	.702	.685	.667	.639	.631	.606	.604	.604	.609	.615	.623	.628	.619	.611	.667
„ 8,...	.600	.588	.570	.574	.582	.600	.604	.619	.613	.599	.599	.585	.574	.556	.533	.524	.541	.540	.551	.570	.578	.593	.583	.563	.577
„ 9,...	.555	.551	.556	.544	.550	.568	.569	.585	.601	.578	.574	.555	.552	.542	.539	.519	.522	.543	.558	.579	.583	.600	.604	.601	.564
„ 10,...	.595	.573	.561	.559	.578	.592	.632	.654	.681	.680	.685	.669	.653	.631	.628	.642	.636	.642	.672	.683	.705	.733	.733	.717	.647
„ 11,...	.708	.699	.685	.698	.699	.716	.733	.755	.772	.779	.775	.769	.743	.730	.726	.704	.722	.734	.750	.769	.795	.809	.811	.805	.745
„ 12,...	.785	.770	.776	.781	.782	.792	.794	.807	.817	.819	.808	.802	.776	.772	.762	.751	.758	.764	.781	.804	.796	.799	.799	.790	.787
„ 13,...	.770	.768	.750	.738	.739	.758	.771	.775	.782	.782	.789	.771	.766	.746	.728	.702	.702	.690	.702	.714	.722	.736	.734	.721	.744
„ 14,...	.709	.701	.694	.692	.687	.696	.696	.701	.700	.690	.681	.668	.656	.641	.621	.612	.614	.626	.645	.667	.683	.693	.685	.666	.672
„ 15,...	.645	.627	.624	.640	.641	.648	.654	.657	.661	.663	.664	.648	.650	.637	.623	.628	.646	.657	.675	.689	.705	.716	.712	.694	.658
„ 16,...	.683	.672	.665	.667	.683	.692	.695	.701	.713	.720	.724	.712	.710	.699	.694	.688	.684	.700	.720	.734	.746	.757	.764	.739	.707
„ 17,...	.723	.717	.703	.711	.717	.736	.746	.758	.778	.790	.783	.784	.765	.764	.764	.756	.754	.773	.783	.803	.813	.826	.821	.805	.766
„ 18,...	.793	.785	.780	.784	.794	.801	.804	.808	.810	.809	.806	.792	.787	.775	.779	.745	.750	.759	.771	.783	.790	.794	.786	.764	.785
„ 19,...	.748	.732	.721	.729	.729	.738	.743	.744	.744	.729	.717	.700	.687	.667	.666	.657	.644	.657	.676	.674	.681	.667	.658	.640	.698
„ 20,...	.628	.631	.640	.649	.653	.671	.669	.670	.673	.673	.659	.645	.644	.626	.605	.592	.595	.607	.625	.631	.645	.647	.651	.634	.640
„ 21,...	.626	.618	.617	.608	.613	.626	.635	.641	.655	.640	.622	.598	.589	.556	.536	.523	.522	.524	.532	.552	.565	.579	.584	.580	.589
„ 22,...	.571	.563	.547	.550	.537	.543	.550	.540	.535	.541	.531	.526	.519	.512	.486	.481	.487	.527	.547	.588	.603	.601	.584	.583	.544
„ 23,...	.582	.566	.558	.558	.561	.557	.566	.570	.584	.592	.595	.590	.593	.591	.600	.600	.596	.598	.619	.633	.639	.659	.679	.664	.598
„ 24,...	.654	.645	.637	.627	.638	.639	.655	.664	.687	.683	.682	.685	.655	.634	.634	.623	.650	.639	.650	.661	.673	.705	.697	.687	.659
„ 25,...	.670	.659	.637	.629	.622	.632	.640	.658	.669	.658	.662	.664	.647	.637	.612	.591	.583	.595	.618	.631	.637	.651	.653	.639	.637
„ 26,...	.624	.612	.608	.602	.602	.610	.619	.635	.646	.645	.653	.632	.631	.612	.614	.604	.598	.603	.633	.640	.650	.676	.666	.656	.628
„ 27,...	.642	.636	.636	.638	.637	.642	.671	.685	.697	.706	.712	.702	.691	.685	.675	.685	.677	.680	.688	.691	.705	.723	.713	.707	.680
„ 28,...	.699	.688	.677	.669	.671	.669	.697	.712	.716	.727	.717	.715	.717	.701	.703	.693	.691	.700	.713	.731	.751	.768	.769	.760	.711
„ 29,...	.745	.728	.710	.702	.710	.726	.730	.748	.750	.762	.748	.737	.725	.719	.716	.697	.701	.694	.714	.728	.740	.748	.748	.736	.728
„ 30,...	.730	.727	.710	.704	.698	.713	.729	.741	.739	.742	.748	.744	.742	.721	.707	.689	.683	.687	.695	.700	.712	.716	.720	.715	.717
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,.....	29.684	29.674	29.666	29.665	29.669	29.680	29.691	29.700	29.708	29.706	29.703	29.692	29.683	29.669	29.661	29.650	29.650	29.658	29.674	29.689	29.700	29.712	29.710	29.696	29.683

TABLE II.

TEMPERATURE FOR THE MONTH OF JUNE, 1896.

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,	80.2	79.8	79.6	78.8	78.5	79.1	81.5	83.1	84.2	86.3	86.5	89.5	87.8	87.2	87.7	86.5	85.2	84.5	83.4	83.1	83.0	81.9	82.2	81.7	83.4	91.1	78.4
" 2,	81.2	80.7	80.7	80.6	81.0	80.8	82.8	83.2	84.9	85.7	87.7	88.0	86.1	81.3	80.6	81.2	80.7	79.7	79.8	78.6	79.3	79.0	79.1	79.1	81.7	90.0	78.1
" 3,	79.2	78.3	78.3	78.4	78.5	79.6	76.7	76.6	77.6	79.1	81.5	81.3	81.8	76.6	77.3	75.7	77.3	76.6	76.6	76.6	76.7	77.2	76.4	74.8	77.9	82.3	73.7
" 4,	74.5	75.1	75.7	75.5	75.6	76.0	76.9	77.0	76.7	77.9	79.8	81.1	82.5	82.0	79.4	77.6	77.9	77.5	77.0	76.7	76.8	76.7	76.6	77.1	77.5	82.6	74.0
" 5,	76.8	76.7	76.2	76.4	76.0	76.3	77.1	78.3	79.2	79.7	81.8	79.4	77.8	78.4	77.6	78.9	78.0	78.7	78.7	79.1	79.0	79.2	78.3	78.8	78.2	83.1	76.0
" 6,	78.6	78.4	78.1	78.0	77.8	78.0	77.9	78.1	80.0	81.0	79.3	81.1	82.2	82.6	82.6	81.9	81.6	80.3	80.1	79.9	79.7	80.0	79.7	79.9	79.9	83.9	77.2
" 7,	79.8	79.3	79.2	78.9	78.6	79.2	81.5	81.1	83.4	82.3	82.2	83.2	83.9	83.8	84.0	83.7	83.9	81.3	80.7	80.4	80.3	80.8	80.8	81.1	81.4	85.6	78.6
" 8,	80.8	80.5	80.1	79.9	79.6	79.5	80.9	81.9	83.0	83.7	83.9	84.8	83.9	85.0	86.9	84.1	83.0	81.8	82.0	80.7	80.5	80.6	80.4	79.8	82.0	87.2	79.3
" 9,	79.5	79.6	79.1	78.9	79.4	79.9	81.7	82.4	83.5	85.2	84.8	85.9	82.2	80.9	79.4	80.4	80.0	80.3	80.9	79.8	80.0	81.3	81.3	81.5	81.2	87.8	78.4
" 10,	81.7	81.4	81.3	81.0	76.1	77.5	77.2	75.8	76.9	75.9	76.0	76.6	76.9	77.1	78.2	77.6	77.1	78.0	77.2	76.6	77.3	78.2	78.2	78.4	77.8	81.9	75.2
" 11,	78.3	77.7	77.6	77.3	76.8	76.2	74.8	75.2	75.0	75.2	75.8	76.5	78.9	78.9	77.4	78.2	77.6	77.8	77.7	77.1	76.9	76.9	77.1	76.3	77.0	79.1	74.7
" 12,	76.2	76.5	76.5	76.5	76.6	78.1	79.3	79.8	79.9	81.6	81.8	82.4	81.9	81.1	81.2	80.4	80.9	80.6	79.8	79.5	79.3	78.8	78.0	78.6	79.4	83.2	75.9
" 13,	78.4	77.7	77.6	76.8	76.6	77.6	78.9	79.6	81.8	84.7	83.6	84.1	83.9	84.1	84.0	83.5	82.6	81.4	80.5	79.9	79.4	79.6	79.4	79.1	80.6	86.1	76.4
" 14,	78.2	78.1	78.0	77.4	77.2	77.7	79.8	81.5	83.2	84.6	85.8	86.3	87.1	85.4	85.5	84.7	83.9	82.3	81.3	80.6	80.3	79.6	78.8	78.7	81.5	88.8	77.1
" 15,	78.5	78.3	78.2	78.3	78.4	78.6	80.9	81.6	82.3	83.3	84.9	86.6	86.4	86.2	86.1	83.1	83.9	81.7	81.3	80.8	80.6	80.0	79.6	79.5	81.6	87.2	77.4
" 16,	79.3	78.4	78.9	78.8	79.3	79.8	81.0	81.9	82.8	84.6	84.5	83.8	83.9	85.1	84.7	83.9	83.3	83.3	82.0	82.2	80.7	79.5	79.6	80.0	81.7	85.2	78.4
" 17,	79.6	79.7	79.2	78.1	77.9	78.4	79.6	80.9	82.6	83.2	83.2	81.0	83.4	81.8	82.9	82.0	79.5	79.5	79.6	79.8	79.4	79.6	80.0	80.5	80.5	83.4	76.5
" 18,	80.1	80.1	80.0	79.6	79.1	80.8	81.7	82.8	81.3	82.6	82.3	80.3	81.9	82.1	78.1	77.9	80.5	79.6	79.5	79.6	79.1	79.0	78.3	78.8	80.2	85.0	76.0
" 19,	78.2	78.4	78.5	77.9	78.7	79.7	80.5	81.7	82.9	84.2	84.6	86.9	86.1	86.1	84.0	83.3	83.4	83.1	82.3	81.6	81.4	80.8	80.5	80.6	81.9	87.9	77.4
" 20,	80.0	80.8	80.0	79.6	79.7	80.1	81.1	82.3	84.8	85.5	86.5	87.7	86.9	86.6	86.2	85.1	85.1	83.9	83.4	82.7	82.3	82.3	81.6	81.9	83.2	88.5	76.3
" 21,	81.6	82.3	81.5	81.6	81.7	81.7	81.9	80.3	79.8	82.4	83.4	84.6	84.2	85.1	85.1	84.6	84.5	83.9	83.3	82.9	83.1	83.0	82.7	82.9	82.8	85.1	78.5
" 22,	82.6	82.6	82.6	83.0	82.5	82.6	80.0	82.7	83.0	82.8	85.1	83.8	85.6	86.0	85.8	85.3	84.8	83.8	77.4	75.3	76.7	76.3	76.6	77.2	81.8	86.4	74.8
" 23,	77.4	78.0	81.3	82.4	81.9	82.8	82.9	83.2	83.1	83.7	82.4	82.3	84.9	84.2	78.6	78.4	79.7	79.3	78.5	78.4	77.6	78.0	78.4	78.2	80.6	85.5	77.2
" 24,	78.3	78.3	79.3	81.0	81.2	81.5	78.9	77.8	79.3	82.5	83.9	86.9	85.9	85.8	85.1	84.2	76.8	77.4	77.4	77.4	77.7	78.3	78.6	78.3	80.5	88.0	75.2
" 25,	78.3	76.7	76.5	77.4	77.5	78.4	79.2	79.1	76.8	77.1	78.3	77.8	79.9	78.2	81.6	82.2	81.9	80.9	81.5	80.1	79.4	79.7	80.0	79.1	79.1	82.3	75.2
" 26,	78.8	78.4	78.7	79.1	79.5	79.6	82.0	83.7	82.9	85.1	78.7	83.5	83.3	82.1	83.1	80.9	79.4	78.2	78.3	78.1	78.3	78.5	79.6	79.9	80.4	85.9	77.7
" 27,	79.1	79.6	79.4	79.5	81.3	81.9	82.4	82.1	84.3	82.2	84.4	86.1	85.7	84.8	82.4	77.0	80.0	78.3	79.0	80.2	82.2	82.5	82.0	82.2	81.6	86.6	77.0
" 28,	81.8	81.6	81.5	81.7	81.1	80.9	81.6	82.1	83.9	83.8	83.0	85.3	79.6	84.1	82.8	82.2	82.8	81.1	79.1	79.3	80.6	80.6	80.4	81.3	81.8	85.6	77.8
" 29,	81.5	81.6	81.6	81.3	80.9	81.3	82.5	83.8	83.7	82.6	85.6	84.8	85.2	85.5	82.3	82.9	83.1	81.7	82.0	81.2	81.5	81.3	81.5	81.3	82.5	87.0	80.6
" 30,	81.6	81.5	80.5	80.6	80.0	80.9	81.7	79.7	82.7	84.7	86.4	88.2	86.8	85.7	86.1	86.5	84.8	83.1	81.7	81.3	80.6	80.4	80.2	79.6	82.7	88.9	79.6
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,	79.3	79.2	79.2	79.1	79.0	79.5	80.2	80.6	81.5	82.4	82.9	83.7	83.6	83.1	82.6	81.8	81.4	80.7	80.1	79.6	79.7	79.7	79.5	79.5	80.7	85.7	77.0

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF JUNE, 1896.

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.	Solar Max.
June 1, ...	76.6	76.6	76.6	76.4	76.7	77.0	77.0	78.0	78.9	78.4	78.0	79.3	78.4	78.8	78.9	78.7	78.4	78.3	78.0	77.8	77.9	77.8	78.0	77.8	77.8	142.3
„ 2, ...	78.0	78.0	77.8	77.5	78.2	78.3	79.9	79.0	78.9	78.0	79.3	78.2	78.5	77.7	76.8	77.1	76.7	76.1	76.4	76.7	76.4	76.2	76.9	76.2	77.6	149.8
„ 3, ...	76.1	76.2	76.2	76.4	76.3	75.3	75.1	74.2	76.0	75.4	77.8	77.2	77.8	74.0	74.7	74.0	75.4	75.0	75.0	75.4	75.6	74.5	74.7	73.4	75.5	140.0
„ 4, ...	73.9	74.2	73.9	74.2	73.4	75.1	75.3	74.2	74.6	76.1	75.3	75.5	76.8	76.2	75.4	74.8	74.8	74.7	75.1	75.0	74.9	74.9	75.5	75.8	75.0	118.2
„ 5, ...	75.7	75.2	75.7	75.6	74.9	74.7	75.1	76.0	76.2	77.1	77.9	77.0	76.9	76.2	76.2	76.4	76.4	76.3	76.2	77.6	77.1	77.4	76.9	77.7	76.3	145.5
„ 6, ...	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.5	77.5	77.7	75.7	76.4	77.0	77.4	77.6	78.0	77.5	77.1	77.0	77.2	77.1	77.2	77.2	77.3	77.0	143.6
„ 7, ...	77.4	77.0	77.0	76.7	77.0	77.3	77.9	77.7	78.8	77.7	77.5	78.0	78.0	77.9	77.7	77.7	77.0	77.8	77.2	77.0	77.6	77.9	77.4	77.5	77.5	145.8
„ 8, ...	77.7	77.5	77.6	77.8	77.7	77.6	78.2	78.0	78.0	78.0	78.0	78.1	79.0	78.4	79.2	78.2	77.9	77.0	76.8	77.3	77.1	77.8	77.7	77.5	77.8	147.2
„ 9, ...	77.6	77.4	77.3	77.0	76.8	76.6	78.0	78.1	78.0	79.0	78.1	79.0	78.0	77.7	77.0	77.2	76.8	77.2	77.3	77.8	77.9	77.8	77.3	77.1	77.6	139.4
„ 10, ...	77.6	78.0	77.8	78.2	74.8	76.1	76.6	74.4	75.6	75.0	75.0	75.9	76.2	76.0	76.7	76.0	76.4	76.3	75.3	75.7	75.6	75.2	75.6	75.7	76.1	96.0
„ 11, ...	75.1	74.8	74.7	74.9	74.9	74.6	73.2	72.7	72.8	73.8	74.7	75.7	75.7	75.2	75.3	75.4	75.4	74.9	74.0	74.7	74.8	74.7	74.2	74.7	74.6	108.0
„ 12, ...	74.6	74.7	74.6	75.0	74.8	75.5	75.2	75.6	76.2	77.6	77.8	78.0	76.8	76.5	77.2	77.3	76.5	77.0	77.1	76.8	77.1	76.2	76.3	77.4	76.3	142.3
„ 13, ...	76.1	76.8	76.7	76.1	76.0	76.2	75.7	76.3	77.0	77.3	78.4	78.8	78.0	78.7	78.4	78.8	77.2	77.1	76.5	76.3	76.9	77.2	77.0	76.8	77.1	139.8
„ 14, ...	76.5	76.8	76.9	76.4	76.1	76.3	77.5	78.2	79.2	78.0	78.2	76.7	79.2	77.5	77.0	78.0	76.6	77.0	76.7	76.7	76.4	76.2	76.7	76.1	77.1	142.2
„ 15, ...	76.2	76.1	76.2	76.1	76.3	76.7	77.4	76.9	76.2	77.1	77.3	77.0	77.1	77.9	77.3	77.0	76.2	76.4	77.5	76.7	76.7	77.0	76.7	76.3	76.8	146.1
„ 16, ...	76.4	76.5	76.5	76.7	76.9	76.0	77.0	77.2	77.4	77.6	77.4	77.7	76.2	77.8	77.9	77.6	78.0	77.9	77.5	77.4	78.1	77.3	76.6	75.5	77.1	140.3
„ 17, ...	75.6	76.0	76.2	76.0	76.2	76.3	76.8	77.4	77.2	77.6	77.6	75.1	79.0	80.4	77.4	77.3	74.7	74.6	74.7	74.5	75.9	77.0	76.3	76.8	76.5	136.7
„ 18, ...	76.9	76.7	76.9	76.8	76.7	77.3	77.9	78.0	78.3	78.0	77.5	76.5	78.0	78.0	76.7	75.9	73.8	74.3	77.0	76.7	77.2	76.9	76.7	76.9	76.9	142.0
„ 19, ...	77.0	77.1	77.3	77.0	77.3	77.6	77.9	78.4	78.4	77.3	77.4	79.0	79.0	78.8	77.4	77.0	77.2	77.0	76.9	76.7	77.0	77.0	77.2	78.7	77.6	144.0
„ 20, ...	77.4	77.1	77.1	76.7	77.8	77.3	77.8	76.8	79.0	79.8	79.0	78.8	78.2	78.1	79.0	77.8	78.0	78.0	77.9	78.1	78.2	78.3	78.2	78.2	78.0	142.2
„ 21, ...	78.3	78.5	78.0	77.9	78.4	77.8	76.3	77.9	74.8	78.4	78.7	79.4	80.4	80.0	79.0	79.3	79.7	78.8	78.9	79.0	78.6	78.7	79.0	78.8	78.5	138.0
„ 22, ...	78.8	78.8	78.7	78.6	78.7	78.5	78.1	78.6	79.1	79.0	80.3	80.4	80.6	80.4	80.0	79.5	80.2	79.5	75.4	74.3	74.9	75.0	75.6	76.1	78.3	138.1
„ 23, ...	76.3	76.5	79.4	79.5	77.1	78.6	79.3	79.7	79.0	79.9	78.6	79.3	81.0	78.0	77.7	76.9	77.9	76.7	76.7	76.5	76.3	76.6	76.7	75.9	77.9	142.5
„ 24, ...	76.2	76.5	76.9	77.6	78.5	78.8	77.4	75.7	77.2	79.4	79.3	82.2	80.0	79.9	78.9	78.8	75.4	75.4	75.4	75.8	75.7	75.7	76.6	76.8	77.5	142.4
„ 25, ...	76.9	75.8	74.8	75.7	76.5	76.7	77.2	77.2	75.0	74.9	76.0	76.4	78.4	76.3	78.0	77.8	77.0	77.7	77.2	77.4	76.7	77.8	78.4	76.2	76.7	106.0
„ 26, ...	76.4	76.3	76.5	76·8	77.2	77.3	78.1	78.1	78.6	79.2	77.0	79.5	77.9	77.7	76.4	77.6	76.9	76.4	76.6	75.8	75.0	76.3	77.3	78.2	77.2	139.4
„ 27, ...	77.6	77.3	77.2	77.5	77.7	77.8	78.0	78.1	78.0	77.8	79.0	79.7	78.8	79.2	79.0	75.4	77.1	76.5	77.1	78.1	78.2	77.2	77.6	77.5	77.8	146.1
„ 28, ...	77.8	78.0	78.1	78.2	77.9	77.8	77.7	78.0	78.2	78.8	78.5	79.9	78.3	78.2	78.4	78.0	77.4	77.5	76.5	76.3	77.5	77.7	77.5	78.3	77.9	138.1
„ 29, ...	78.3	77.8	77.9	77.8	77.8	78.2	78.7	78.9	79.3	79.2	78.5	80.2	77.9	78.2	78.1	77.9	78.9	78.7	78.4	78.5	78.3	78.0	77.8	77.8	78.4	146.8
„ 30, ...	78.1	77.7	77.8	77.7	77.6	78.0	78.2	74.1	76.5	78.6	79.2	80.0	79.8	78.4	77.9	79.1	78.4	78.4	78.4	78.6	78.5	78.2	78.1	77.8	78.1	145.9
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	76.8	76.8	76.8	76.8	76.8	76.9	77.2	77.0	77.3	77.7	77.8	78.2	78.2	77.8	77.6	77.3	77.0	76.9	76.7	76.7	76.8	76.9	76.9	76.9	77.2	137.8

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JUNE, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	89	0.889	June 1,.....	77	0.878
2 „	89	.890	„ 2,.....	83	.892
3 „	89	.890	„ 3,.....	89	.852
4 „	90	.892	„ 4,.....	89	.836
5 „	90	.893	„ 5,.....	91	.882
6 „	89	.892	„ 6,.....	87	.890
7 „	87	.895	„ 7,.....	83	.892
8 „	85	.881	„ 8,.....	82	.897
9 „	83	.881	„ 9,.....	85	.899
10 „	80	.887	„ 10,.....	92	.879
11 „	79	.885	„ 11,.....	89	.826
Noon.	77	.892	„ 12,.....	87	.866
1 p.	77	.894	„ 13,.....	85	.885
2 „	78	.884	„ 14,.....	81	.872
3 „	79	.881	„ 15,.....	80	.858
4 „	81	.877	„ 16,.....	81	.870
5 „	81	.869	„ 17,.....	82	.860
6 „	84	.875	„ 18,.....	86	.882
7 „	85	.875	„ 19,.....	82	.889
8 „	87	.880	„ 20,.....	78	.890
9 „	87	.884	„ 21,.....	82	.918
10 „	88	.889	„ 22,.....	85	.923
11 „	89	.891	„ 23,.....	88	.921
Midt.	89	.891	„ 24,.....	87	.904
			„ 25,.....	89	.887
			„ 26,.....	86	.892
			„ 27,.....	84	.903
			„ 28,.....	83	.904
			„ 29,.....	83	.917
			„ 30,.....	81	.901
			.....	...	...
Means,.....	85	0.886	Means.	85	0.886

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.
1896.														
June 1,.....	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0	1.0	0.4	11.4
„ 2,.....	0.1	0.3	0.6	0.6	0.7	1.0	0.9	0.2	0.1	...	...	...	...	4.5
„ 3,.....	...	0.3	...	...	...	...	0.2	...	...	...	...	...	...	0.5
„ 4,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,.....	...	...	...	0.4	0.5	0.6	...	...	...	0.2	...	...	...	1.7
„ 6, ...	...	...	...	0.4	0.7	...	0.6	0.4	1.0	1.0	1.0	0.6	...	5.7
„ 7,.....	0.1	0.8	1.0	1.0	0.2	...	0.4	0.4	0.9	0.4	0.7	0.7	0.2	6.8
„ 8,.....	...	0.4	0.2	0.8	0.4	0.5	0.7	0.7	0.4	0.5	0.1	...	...	4.7
„ 9,.....	...	0.7	0.9	1.0	1.0	0.9	0.4	0.5	0.1	...	...	...	...	5.5
„ 10,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,.....	0.1	...	0.3	0.3	1.0	0.7	1.0	0.8	0.9	0.2	...	...	...	5.3
„ 13,.....	0.2	1.0	0.8	1.0	1.0	0.9	1.0	1.0	0.9	1.0	0.7	...	0.2	9.7
„ 14,.....	...	0.2	0.9	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.9	0.3	...	9.2
„ 15,.....	...	0.1	0.9	0.6	0.7	1.0	1.0	1.0	0.9	0.9	0.1	0.2	...	7.4
„ 16,.....	0.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.2	...	9.8
„ 17,.....	...	...	0.2	0.3	...	...	...	...	0.2	...	0.1	...	...	0.8
„ 18,.....	0.1	0.8	0.8	...	0.6	0.7	0.2	0.4	0.1	...	...	0.2	0.1	4.0
„ 19,.....	0.3	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.6	...	...	0.5	0.3	8.6
„ 20,.....	...	...	1.0	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.8	0.3	...	8.9
„ 21,.....	...	0.4	0.2	...	...	...	0.2	0.6	1.0	1.0	0.7	0.7	...	4.8
„ 22,.....	...	...	...	...	0.4	1.0	0.3	0.9	0.4	0.7	0.6	0.6	...	4.9
„ 23,.....	...	...	...	...	...	...	0.2	0.2	...	...	...	...	...	0.4
„ 24,.....	...	...	...	...	0.9	0.8	0.8	0.9	0.3	...	...	...	...	3.7
„ 25,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,.....	...	0.8	0.9	0.7	0.7	0.1	0.1	0.1	...	...	...	...	...	3.4
„ 27,.....	...	...	0.2	0.8	0.5	0.6	1.0	1.0	0.3	...	...	...	...	4.4
„ 28,.....	0.1	0.1	0.9	0.7	0.4	0.4	0.4	...	0.2	...	...	...	...	3.2
„ 29,.....	...	0.3	0.8	0.7	0.7	0.8	0.2	1.0	1.0	1.0	0.1	0.1	...	5.8
„ 30,.....	0.3	0.4	0.7	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.6	0.1	10.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	1.7	9.5	14.2	15.2	16.3	16.0	15.6	16.1	13.8	11.0	8.4	6.0	1.3	145.1

TABLE VI.

RAINFALL FOR THE MONTH OF JUNE, 1896.

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.	Duration Hours.
June 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 2,	...	...	...	...	...	...	...	...	...	...	...	...	0.390	...	...	...	...	...	...	...	...	...	...	...	0.390	1
" 3,	...	...	...	...	...	...	0.725	0.060	...	...	...	...	0.150	0.680	0.145	0.090	0.010	...	0.140	...	0.005	...	...	...	2.005	8
" 4,	0.080	...	...	...	...	0.020	0.035	0.005	...	...	...	...	...	...	0.020	0.005	...	...	...	...	...	...	...	...	0.165	7
" 5,	...	...	0.125	...	0.005	0.005	...	...	...	...	...	0.085	0.125	0.180	0.205	...	...	...	...	...	...	...	0.235	...	0.965	5
" 6,	...	...	...	...	...	...	0.065	0.210	0.010	0.015	0.035	...	...	...	...	...	...	...	...	...	...	...	...	...	0.335	4
" 7,	0.005	0.015	...	...	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	0.025	1
" 8,	...	0.050	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.050	1
" 9,	...	0.100	0.020	...	...	...	...	...	...	...	...	...	0.065	0.545	0.090	...	...	...	...	0.015	...	...	...	...	0.835	4
" 10,	...	0.060	0.205	0.085	0.345	0.190	0.140	0.460	0.170	0.300	0.090	0.125	0.025	0.005	...	0.040	0.690	0.040	0.005	...	0.005	0.005	0.010	0.005	3.000	16
" 11,	...	...	...	...	...	0.045	0.015	0.030	0.050	0.060	0.080	0.085	...	...	...	...	...	0.020	...	...	...	...	...	...	0.385	9
" 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.070	0.015	...	...	0.085	1
" 17,	...	...	...	0.370	0.005	...	0.005	0.010	...	...	...	...	0.020	0.020	...	...	...	...	...	...	0.005	0.005	...	...	0.440	2
" 18,	...	...	...	...	...	...	...	...	0.025	...	...	0.010	...	0.130	1.380	...	...	...	...	...	...	...	...	...	1.545	3
" 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 20,	...	...	...	0.370	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.370	1
" 21,	0.045	...	0.115	0.010	...	...	...	0.380	0.090	0.010	...	...	0.020	...	...	...	...	...	...	...	...	...	...	...	0.670	3
" 22,	...	...	...	...	...	0.010	0.055	...	0.010	0.005	...	0.050	...	...	...	0.010	...	...	0.440	1.290	...	...	...	0.020	1.890	5
" 23,	1.835	0.070	...	...	...	0.005	0.005	...	0.015	...	...	...	0.020	0.095	0.225	0.040	...	...	...	...	...	...	...	...	2.310	7
" 24,	...	...	...	...	...	0.170	0.450	0.130	...	...	...	...	...	...	...	...	0.120	...	...	...	...	...	...	...	0.870	2
" 25,	...	0.020	...	...	...	...	...	0.130	0.185	...	0.010	0.085	...	...	...	...	...	...	...	...	...	...	...	0.025	0.455	3
" 26,	...	...	...	...	...	...	...	...	...	...	...	0.410	...	...	...	...	0.095	...	...	...	...	...	...	0.005	0.510	1
" 27,	...	...	0.015	0.005	...	...	0.005	...	...	0.005	...	...	...	...	0.260	0.135	0.010	...	...	0.005	...	...	...	...	0.440	4
" 28,	...	...	...	...	0.120	...	...	...	0.060	...	...	0.070	0.200	...	...	0.070	...	0.185	0.010	...	0.015	...	...	...	0.730	3
" 29,	...	...	...	...	...	...	...	...	0.010	...	0.085	...	...	0.025	...	...	...	...	...	0.035	...	...	...	...	0.155	1
" 30,	...	...	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	1.965	0.315	0.480	0.840	0.475	0.445	1.500	1.415	0.630	0.395	0.305	0.920	1.015	1.680	2.325	0.390	0.925	0.245	0.595	1.345	0.100	0.025	0.245	0.055	18.630	92

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF JUNE, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
June 1	21	8	21	7	22	7	23	4	26	5	26	5	26	4	26	7	26	10	25	11	24	8	24	10	21	11	19	13	18	12	17	13	18	13	18	13	18	11	19	9	20	5	...	1	22	3	20	6	196	8.2	21
„ 2	22	8	23	7	23	6	22	3	22	8	25	4	26	6	24	7	21	4	17	8	17	11	15	12	18	12	27	12	25	8	26	8	24	9	28	3	17	6	10	11	14	6	10	5	...	0	8	3	167	7.0	21
„ 3	8	3	8	8	8	10	9	9	9	6	...	1	12	12	18	4	30	2	...	0	7	11	8	15	7	13	16	11	17	11	13	7	28	4	4	5	12	8	15	2	15	4	18	8	25	7	26	4	165	6.9	11
„ 4	...	1	29	3	7	9	7	8	6	6	30	5	30	6	27	3	27	4	27	4	27	2	27	4	27	2	23	2	19	10	17	2	17	2	9	8	9	11	9	9	9	8	9	7	9	6	9	9	131	5.5	8
„ 5	9	13	7	15	7	14	8	16	9	15	8	17	9	16	8	16	8	16	8	16	8	15	9	19	9	14	6	7	8	7	7	13	7	12	7	12	7	9	10	15	8	16	8	16	9	12	10	15	336	14.0	8
„ 6	8	14	7	14	7	11	7	12	7	13	6	8	7	10	8	6	7	15	7	20	9	22	7	21	9	26	9	26	9	23	9	20	9	22	9	18	7	17	9	20	8	18	10	23	9	21	10	16	416	17.3	8
„ 7	9	15	9	11	10	11	9	9	9	2	8	5	7	11	7	10	8	11	7	12	8	12	9	11	10	17	9	12	7	13	8	15	8	13	7	16	6	18	8	19	8	14	7	13	7	14	7	11	295	12.3	8
„ 8	7	13	8	14	9	10	7	5	7	2	7	3	9	5	9	5	9	5	9	13	9	13	9	9	8	11	13	7	15	5	9	5	11	4	18	3	16	5	15	3	...	1	15	3	11	3	10	2	149	6.2	10
„ 9	11	2	...	0	18	2	20	7	22	5	22	7	19	3	22	2	23	6	17	4	23	7	16	8	16	11	14	11	13	8	8	3	15	8	15	4	15	4	...	1	17	5	17	11	17	12	18	13	144	6.0	17
„ 10	17	14	20	16	18	17	17	23	20	24	24	11	31	5	20	14	2	3	8	7	...	0	9	5	9	11	7	7	9	8	10	6	5	7	16	9	15	4	15	2	15	3	16	6	16	8	16	8	218	9.1	16
„ 11	16	5	...	1	14	2	8	6	8	4	28	2	15	11	18	5	28	5	...	1	31	2	...	1	6	3	7	11	8	20	7	19	10	14	15	13	14	12	15	8	24	7	19	5	18	2	...	1	160	6.7	11
„ 12	29	4	...	0	...	1	5	6	6	4	6	6	7	7	7	11	8	11	9	16	8	17	8	20	8	19	8	19	7	17	8	15	12	10	11	7	9	3	...	1	6	6	26	2	26	5	7	7	214	8.9	8
„ 13	9	4	...	0	...	0	...	0	...	0	...	1	...	1	29	3	24	5	24	3	10	4	9	12	9	14	8	13	8	10	9	9	15	7	13	4	13	2	13	2	10	4	10	2	10	2	...	0	102	4.2	10
„ 14	...	0	...	1	...	1	...	0	...	1	...	1	...	0	3	3	29	6	25	6	26	8	24	9	25	10	20	7	18	7	17	10	17	9	18	7	18	5	...	0	18	2	...	0	22	2	...	0	95	4.0	21
„ 15	22	3	22	2	...	0	...	1	...	0	22	2	22	3	22	3	12	5	11	5	9	6	13	6	15	6	13	11	13	9	9	14	13	7	15	6	14	3	14	3	13	3	11	3	11	4	11	2	107	4.5	13
„ 16	11	5	10	5	10	10	10	3	6	6	8	7	8	15	8	18	9	17	9	17	9	20	8	22	10	18	10	19	10	20	9	20	9	21	9	19	8	19	8	21	10	16	9	22	8	18	7	20	378	15.8	9
„ 17	7	18	7	18	7	19	9	16	9	17	9	14	11	19	10	21	10	26	9	23	11	25	10	22	9	24	10	24	10	25	10	23	7	19	10	15	13	11	7	10	7	11	10	16	10	15	9	16	447	18.6	9
„ 18	11	16	10	16	10	15	8	9	8	7	6	7	7	8	8	11	7	11	8	14	7	15	7	13	8	9	7	14	30	7	30	3	8	7	7	9	12	3	...	1	12	2	...	1	...	0	...	0	198	8.2	8
„ 19	4	3	3	2	3	3	...	1	...	0	...	0	...	0	3	4	26	7	25	9	25	11	21	9	19	8	19	10	18	10	19	10	20	11	19	11	19	6	20	8	20	6	...	1	19	4	18	2	136	5.7	21
„ 20	18	3	20	11	19	18	19	11	22	7	22	10	22	9	21	12	21	13	20	11	23	12	21	17	19	18	19	17	21	13	19	16	19	12	20	15	19	14	17	7	18	6	18	8	18	12	17	11	283	11.8	20
„ 21	17	12	18	12	17	12	19	13	18	13	18	13	18	14	18	15	18	15	19	15	19	21	19	24	19	25	19	27	19	32	19	28	19	25	19	27	19	22	19	19	19	16	18	16	18	17	19	21	454	18.9	19
„ 22	19	20	19	25	19	26	19	27	19	28	18	25	19	26	19	30	19	30	19	33	19	36	20	29	20	24	19	28	19	33	18	30	19	28	19	29	26	22	21	6	1	4	1	2	1	3	1	2	546	22.8	19
„ 23	3	8	24	11	19	21	19	27	19	24	19	22	17	16	18	21	18	26	19	26	19	26	19	23	19	26	25	14	23	12	26	7	23	3	23	3	9	11	9	7	8	11	8	6	8	4	4	2	357	14.9	19
„ 24	4	3	4	3	4	3	18	6	15	7	17	9	25	18	22	6	29	4	27	3	29	4	25	6	16	6	16	8	18	8	19	9	28	21	24	2	...	1	24	8	8	16	9	10	9	13	9	13	187	7.8	19
„ 25	8	13	7	14	8	11	9	14	9	13	9	14	9	10	9	10	4	9	6	3	6	7	7	14	5	9	5	11	7	10	13	10	14	11	14	9	15	10	9	4	6	9	6	7	6	6	13	11	239	10.0	9
„ 26	7	7	6	8	6	8	6	7	6	7	10	9	11	12	11	11	12	12	13	14	14	13	11	15	13	18	12	19	12	12	9	12	7	17	7	15	8	13	7	13	8	20	7	18	9	17	11	21	318	13.2	10
„ 27	9	24	10	21	12	24	13	29	12	28	11	28	11	24	12	19	13	28	13	23	11	20	12	26	12	25	9	26	11	20	14	19	11	18	8	20	7	17	8	19	11	27	12	28	11	31	11	27	571	23.8	11
„ 28	11	27	12	26	13	27	12	23	11	24	12	24	12	25	12	26	12	28	13	20	12	23	13	17	13	18	13	21	11	18	12	16	14	14	11	16	15	10	14	7	12	4	7	9	13	8	15	13	444	18.5	12
„ 29	14	16	14	18	14	15	14	10	13	6	12	7	10	7	14	15	14	15	11	8	14	14	7	12	14	17	14	17	13	15	11	5	13	12	9	9	11	13	12	14	13	13	11	11	12	14	13	11	294	12.3	13
„ 30	13	11	13	9	13	7	13	7	14	3	14	3	14	2	17	7	26	3	13	3	15	6	16	8	17	8	16	10	17	8	15	8	15	7	14	6	9	7	9	4	9	5	9	6	9	4	9	5	147	6.1	14
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	...	293	...	298	...	320	...	312	...	285	...	270	...	305	...	325	...	352	...	348	...	391	...	419	...	433	...	434	...	411	...	375	...	367	...	333	...	297	...	253	...	268	...	266	...	267	...	272	7894	328.9	...
Means	...	9.8	...	9.9	...	10.7	...	10.4	...	9.5	...	9.0	...	10.2	...	10.8	...	11.7	...	11.6	...	13.0	...	14.0	...	14.4	...	14.5	...	13.7	...	12.5	...	12.2	...	11.1	...	9.9	...	8.4	...	8.9	...	8.9	...	8.9	...	9.1	263.1	11.0	...

TABLE VIII.

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
1896.												
June 1, ...	1	cum.	WSW	5	cum.	WSW	1	cum.	WSW	2	cum.	WSW
„ 2, ...	2	c-cum. / cum.	...	3	cum.	SW	7	cum.	SW	6	cum.	S
„ 3, ...	9	sm-cum.	WSW	9	sm-cum. / cum.	...	10	nim.	...	10	str-cum.	...
„ 4, ...	10	nim.	...	10	str-cum.	...	10	nim.	...	10	str-cum.	SW
„ 5, ...	10	cum-nim.	...	10	cum-nim.	...	10	sm-cum. / cum.	W / E	9	sm-cum. / nim.	SSW / E
„ 6, ...	8	cum.	E	5	cum.	...	8	nim.	ESE	9	nim.	ESE
„ 7, ...	7	nim.	E	2	cum.	E	8	cum.	ESE	9	cum.	ESE
„ 8, ...	7	cum.	...	10	cum.	S	9	c-cum. / cum.	E	10	c-str. / cum.	N / ..
„ 9, ...	5	cum.	...	7	cum.	SW	8	c-cum. / cum.	WSW	8	c-str. / c-cum. / cum.	.. / W / WSW
„ 10, ...	10	cum.	...	10	nim.	...	10	nim.	W	10	nim.	W
„ 11, ...	10	cum-nim.	...	10	str-cum.	...	10	nim.	SSW	10	nim.	SSW
„ 12, ...	6	cum.	...	2	cum.	...	9	sm-cum. / cum.	W / S	4	c-cum. / cum.	W / SSW
„ 13, ...	3	cum.	...	2	cum.	...	1	cum.	...	2	cum.	...
„ 14, ...	0	...	...	0	...	...	7	c-str. / cum.	S	6	c-cum. / cum.	N / S
„ 15, ...	0	...	...	10	cum.	S	9	sm-cum. / cum.	N / S	7	sm-cum. / cum.	N / S
„ 16, ...	1	cum.	...	0	...	...	3	c-cum. / cum.	E	2	cum.	E
„ 17, ...	10	str-cum.	...	10	nim.	...	10	cum.	ESE	10	c-str. / R-cum.	ESE
„ 18, ...	5	str-cum.	...	2	cum.	...	8	c-cum. / cum.	SSE	9	c-str. / cum.	S
„ 19, ...	4	cum.	...	3	cum.	...	3	c-str. / cum.	...	3	c-cum. / cum.	W / WSW
„ 20, ...	1	cum.	...	7	nim.	WSW	7	c-cum. / cum.	NNE / WSW	4	c-cum. / cum.	NNE / SW
„ 21, ...	8	cum.	SW	8	cum.	WSW	9	c-cum. / cum.	SW	10	nim.	SW
„ 22, ...	9	cum.	SW	10	cum.	WSW	10	nim.	SW	9	c-cum. / cum.	SW
„ 23, ...	10	nim.	...	10	cum-nim.	...	10	cum-nim.	SSW	9	c-cum. / R-cum.	SW
„ 24, ...	10	str-cum.	SSE	9	cum.	SSE	10	nim.	SW	9	c-str. / cum.	SSW
„ 25, ...	10	cum-nim.	S	10	cum.	SE	10	str-cum.	ESE	10	str. / cum.	SSW
„ 26, ...	8	c-str. / sm-cum. / cum.	W / SSE	9	c-cum. / cum.	S	9	c-cum. / cum.	W / SSE	9	c-cum. / cum.	SSE
„ 27, ...	10	str-cum.	ESE	10	sm-cum. / cum.	W / SE	9	c-cum. / cum. / nim.	W / SSE / ..	8	c-cum. / cum. / cum.	W / SSE / SE
„ 28, ...	9	sm-cum. / R-cum.	SE	8	c-cum. / cum.	ESE	8	c-cum. / cum. / nim.	ESE	8	c-cum. / nim.	SE
„ 29, ...	9	cum.	S	8	c-cum. / cum.	S	5	c-cum. / cum.	S	2	cum.	SSE
„ 30, ...	8	cum.	S	7	cum.	S	5	c-cum. / cum.	S	7	c-cum. / cum.	S
.....	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	6.7	...	...	6.9	...	...	7.8	...	...	7.4	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
June 1,...	1	cum.	WSW	2	cum.	WSW	6	sm-cum. / cum.	W / SW	0	...	...	2.2
„ 2,...	10	c-cum. / nim.	W / SW	10	sm-cum. / cum.	WSW / ..	10	str-cum.	...	10	str-cum.	...	7.3
„ 3,...	10	sm-cum. / cum.	SSW	10	nim.	S	10	nim.	...	10	cum-nim.	...	9.7
„ 4,...	10	sm-cum. / cum.	S	10	str. / cum.	...	10	str-cum.	...	2	cum.	...	9.0
„ 5,...	10	nim.	E	8	c-cum. / cum.	ESE	7	c-cum. / cum.	E	1	cum.	...	8.1
„ 6,...	8	cum.	E	5	c-cum. / cum.	E	9	c-str. / cum.	E	4	cum.	E	7.0
„ 7,...	9	c-cum. / cum.	ESE	9	c-cum / sm-cum. / cum.	...	8	c-cum. / cum.	E	1	cum.	...	6.6
„ 8,...	9	c-cum. / cum.	W / WNW	9	c-cum. / cum.	NNW / W	7	c-cum. / cum.	...	1	cum.	...	7.8
„ 9,...	10	nim.	...	10	c-str. / cum.	S	10	cum-nim.	SSW	10	cum.	S	8.5
„ 10,...	10	nim.	...	10	nim.	SSE	10	nim.	...	10	cum-nim.	S	10.0
„ 11,...	10	cum-nim.	WSW	9	sm-cum. / cum.	N / SE	10	cum-nim.	S	10	cum.	...	9.9
„ 12,...	6	c-cum. / cum.	WSW / SW	8	c-cum. / cum.	E	10	c-cum. / cum.	N / S	6	cum.	...	6.4
„ 13,...	5	cum.	SSW	7	c-cum. / cum,	NE / S	3	c-cum.	...	1	cum.	...	3.0
„ 14,...	3	c-cum. / cum.	N / SW	5	c-cum. / cum.	NNE / SW	7	c-cum. / cum.	NNE / SW	2	sm-cum.	...	3.7
„ 15,...	7	c-cum. / cum.	NNE / S	8	c-cum. / cum. / cum.	N / S / E	8	c-cum. / cum.	...	3	c-cum.	...	6.5
„ 16,...	6	c-cum. / cum.	...	9	c-str. / sm-cum. / cum.	.. / SSE / E	10	c-cum. / sm-cum. / cum.	E	7	sm-cum. / cum.	E	4.8
„ 17,...	10	c-str. / cum. / R-cum.	.. / SE / ESE	9	sm-cum. / cum.	SSE / ESE	10	sm-cum. / cum.	ESE	9	sm-cum. / nim.	ESE	9.7
„ 18,...	10	c-cum. / cum.	SSE	8	c-str. / nim.	...	9	c-str. / cum.	...	3	c-str. / cum.	S	6.8
„ 19,...	6	c-str. / cum.	WSW	9	c-cum. / cum.	WSW	9	c-str. / cum.	SW	9	c-str. / cum.	...	5.7
„ 20,...	4	c-cum. / cum.	W / SW	7	c-str. / c-cum. / cum.	.. / W / SW	8	c-str. / cum.	SW	10	c-str. / sm-cum. / cum.	W / SW	6.0
„ 21,...	10	c-cum. / cum.	WSW / SW	8	c-cum. / cum.	SW	9	c-cum. / R-cum.	SW	9	c-str. / sm-cum. / cum.	SW	8.9
„ 22,...	7	c-cum. / cum.	WSW	7	c-str. / cum.	SW	10	nim.	...	10	str-cum.	SSW	9.0
„ 23,...	10	sm-cum. / cum. / R-cum.	SW / .. / WSW	10	nim.	WSW	10	cum-nim.	...	10	str-cum.	...	9.9
„ 24,...	10	c-cum. / R-cum.	SSW	9	c-cum. / cum.	SW	10	str. / cum.	...	10	str-cum.	...	9.6
„ 25,...	10	cum-nim.	SE	10	str. / cum.	S	10	str. / cum.	S	9	c-str. / cum.	SSE	9.9
„ 26,...	10	c-cum. / cum-str.	SSE / SSE	10	str. / cum.	SSE	10	sm-cum. / cum.	W / SSE	9	sm-cum. / cum.	SE	9.3
„ 27,...	8	c-str. / cum. / R-cum.	NW / .. / SSE	10	nim.	SSE	10	cum-nim.	SE	8	c-cum. / cum.	SE	9.1
„ 28,...	10	nim.	...	10	nim.	SE	10	nim.	SE	8	cum-nim.	SE	8.9
„ 29,...	8	cum. / R-cum.	S	7	c-cum. / cum.	S	7	c-cum. / cum.	SSE	3	cum.	SSE	6.1
„ 30,...	7	c-cum. / cum.	ESE / SSW	7	c-cum. / cum.	NE / S	10	c-cum. / cum.	E / SSE	0	...	...	6.1
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	8.1	...	...	8.3	...	...	8.9	...	...	6.2	...	...	7.5

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF JUNE, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.7	6.1	4.1	1.2	− 3.4	+ 4.9	S 55° E
2 „	0.7	5.8	3.9	2.2	3.2	3.6	S 48° E
3 „	0.6	5.7	5.5	1.9	4.9	3.8	S 38° E
4 „	0.4	5.3	5.5	2.1	5.1	3.2	S 32° E
5 „	0.4	4.8	4.6	2.5	4.2	2.3	S 29° E
6 „	0.6	4.4	4.0	2.3	3.4	2.1	S 32° E
7 „	0.8	5.4	4.5	2.2	3.7	3.2	S 41° E
8 „	0.5	5.2	5.2	2.8	4.7	2.4	S 27° E
9 „	1.2	5.7	5.2	2.9	4.0	2.8	S 35° E
10 „	0.5	6.2	5.0	2.8	4.5	3.4	S 37° E
11 „	0.6	6.9	5.6	3.3	5.0	3.6	S 36° E
Noon.	0.5	7.9	5.5	3.2	5.0	4.7	S 43° E
1 p.	0.4	7.6	7.5	2.9	7.1	4.7	S 33° E
2 „	0.8	7.5	7.0	2.8	6.2	4.7	S 37° E
3 „	0.5	6.9	6.9	3.2	6.4	3.7	S 30° E
4 „	0.5	6.8	6.2	2.2	5.7	4.6	S 39° E
5 „	1.0	6.0	6.0	2.7	5.0	3.3	S 33° E
6 „	0.5	5.8	5.5	2.1	5.0	3.7	S 36° E
7 „	0.8	5.4	4.5	1.7	3.7	3.7	S 45° E
8 „	0.1	5.6	3.1	1.2	3.0	4.4	S 56° E
9 „	0.4	6.4	2.9	0.9	2.5	5.5	S 65° E
10 „	0.4	6.3	3.6	0.6	3.2	5.7	S 61° E
11 „	0.4	5.9	3.7	1.1	3.3	4.8	S 55° E
Midt.	0.4	5.7	4.5	0.9	− 4.1	+ 4.8	S 49° E
Means, ...	0.6	6.1	5.0	2.2	−4.43	+ 3.90	S 41° E

PHENOMENA :—

Solar halo :—on the 8th, 16th, 18th, 19th, 20th, 22nd and 30th.

Lunar halo :—on the 19th, 20th, 21st, 25th and 29th.

Lunar corona :—on the 18th, 19th, 21st and 28th.

Thick fog :—on the 14th.

Slight fog :—on the 13th, 15th and 30th.

Haze :—on the 14th and 15th.

Unusual visibility :— on the 13th, 14th, 15th and 20th.

Dew :—on the 1st, 12th, 13th, 14th, 15th, 16th, 18th, 19th and 20th.

Rainbow :—on the 3rd, 6th, 25th, 28th and 30th.

Lightning without thunder :—on the 1st, 2nd, 3rd, 7th, 8th, 12th, 13th, 14th, 15th, 17th, 19th, 25th, 26th, 27th and 28th.

Thunder without lightning :— on the 2nd, 3rd, 13th, 25th and 26th.

Thunder and lightning :—on the 9th and 21st.

Thunderstorms :—on the 10th, 4a.—6.30a., in W and S, nearest at 6. 3a. (6^s). On the 18th, 2.45p.—3.30p., SW-NW, nearest at 3.17p. (4^s). On the 22nd, 7.30p.—10p., W—E, nearest at 7.34p. (1^s). On the 23rd, 0.15a.—2a., in all directions, nearest at 1.6a. (3^s). On the 24th. 6a.—8a., SW-NE, nearest at 6.57a. (6^s).

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JULY, 1896.

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,...	29.697	29.685	29.670	29.676	29.679	29.697	29.699	29.710	29.717	29.715	29.704	29.691	29.675	29.662	29.651	29.642	29.626	29.624	29.625	29.633	29.653	29.661	29.654	29.646	29.670
" 2,...	.628	.628	.616	.624	.626	.637	.656	.658	.657	.659	.648	.652	.632	.614	.601	.586	.584	.587	.609	.631	.643	.657	.659	.645	.631
" 3,...	.633	.624	.612	.614	.616	.616	.635	.651	.665	.680	.662	.655	.644	.638	.627	.625	.629	.640	.656	.660	.666	.691	.698	.686	.647
" 4,...	.686	.676	.665	.664	.679	.693	.709	.717	.730	.727	.730	.723	.712	.705	.697	.684	.677	.683	.701	.705	.726	.742	.744	.730	.704
" 5,...	.724	.712	.708	.702	.708	.726	.753	.761	.765	.762	.755	.748	.738	.716	.699	.670	.656	.652	.660	.665	.686	.708	.720	.722	.713
" 6,...	.720	.698	.698	.686	.692	.698	.713	.713	.715	.710	.699	.685	.670	.661	.640	.627	.627	.626	.615	.607	.611	.621	.641	.631	.667
" 7,...	.607	.589	.595	.597	.593	.590	.612	.614	.611	.604	.592	.574	.579	.546	.534	.528	.514	.528	.546	.562	.566	.574	.573	.582	.575
" 8,...	.551	.541	.521	.519	.521	.541	.546	.562	.561	.557	.553	.548	.549	.535	.527	.515	.501	.513	.541	.555	.569	.585	.587	.588	.545
" 9,...	.555	.539	.532	.534	.548	.565	.579	.586	.609	.614	.619	.622	.595	.586	.572	.545	.552	.557	.594	.596	.620	.636	.644	.641	.585
" 10,...	.629	.627	.617	.612	.624	.638	.640	.659	.664	.675	.675	.664	.653	.641	.628	.607	.611	.622	.647	.675	.695	.711	.715	.706	.651
" 11,...	.697	.690	.682	.680	.686	.698	.710	.717	.723	.727	.721	.712	.710	.699	.683	.662	.661	.675	.695	.713	.726	.738	.742	.733	.703
" 12,...	.718	.707	.707	.713	.718	.729	.760	.757	.760	.765	.761	.752	.740	.726	.700	.688	.680	.684	.693	.699	.721	.733	.741	.731	.724
" 13,...	.714	.702	.693	.692	.695	.697	.696	.692	.687	.682	.684	.684	.688	.658	.644	.626	.628	.639	.639	.647	.655	.661	.671	.663	.672
" 14,...	.664	.646	.656	.650	.660	.667	.675	.679	.691	.693	.692	.695	.678	.669	.650	.644	.635	.639	.653	.665	.684	.680	.688	.684	.668
" 15,...	.682	.681	.681	.675	.682	.698	.708	.711	.720	.724	.721	.707	.705	.695	.687	.680	.681	.691	.709	.710	.729	.744	.740	.725	.704
" 16,...	.713	.706	.708	.713	.719	.731	.748	.760	.761	.770	.759	.754	.751	.738	.728	.711	.707	.706	.720	.735	.758	.767	.771	.754	.737
" 17,...	.739	.727	.725	.714	.726	.725	.745	.748	.751	.751	.745	.727	.722	.693	.680	.658	.657	.670	.678	.691	.699	.699	.695	.677	.710
" 18,...	.675	.659	.644	.636	.631	.637	.654	.660	.659	.651	.642	.615	.586	.566	.550	.535	.533	.547	.554	.569	.572	.572	.567	.553	.603
" 19,...	.538	.526	.515	.513	.510	.525	.541	.540	.537	.531	.521	.500	.475	.453	.433	.421	.430	.437	.459	.471	.482	.496	.502	.489	.494
" 20,...	.487	.473	.467	.460	.457	.464	.481	.495	.493	.495	.487	.468	.449	.427	.417	.402	.391	.416	.438	.460	.483	.484	.486	.492	.461
" 21,...	.481	.466	.459	.455	.460	.464	.470	.471	.470	.471	.460	.436	.420	.404	.378	.372	.368	.383	.411	.414	.426	.432	.443	.433	.435
" 22,...	.413	.401	.392	.387	.387	.393	.406	.403	.411	.406	.393	.383	.390	.346	.339	.333	.330	.344	.358	.380	.401	.407	.409	.391	.383
" 23,...	.364	.341	.334	.310	.320	.357	.376	.380	.388	.378	.371	.369	.360	.360	.348	.344	.333	.347	.380	.417	.448	.441	.441	.428	.372
" 24,...	.393	.393	.383	.385	.389	.405	.415	.421	.443	.449	.441	.425	.408	.388	.380	.362	.370	.383	.393	.417	.446	.443	.445	.420	.408
" 25,...	.389	.392	.386	.390	.396	.414	.429	.431	.443	.441	.445	.436	.430	.415	.415	.409	.404	.420	.440	.453	.472	.493	.497	.477	.430
" 26,...	.479	.464	.457	.462	.462	.483	.492	.507	.512	.515	.525	.518	.510	.495	.482	.474	.489	.497	.511	.526	.554	.561	.564	.559	.504
" 27,...	.561	.548	.546	.548	.552	.567	.583	.599	.615	.618	.614	.607	.596	.580	.564	.544	.550	.559	.572	.576	.601	.605	.617	.622	.581
" 28,...	.600	.589	.584	.576	.567	.570	.569	.570	.578	.586	.584	.567	.549	.530	.519	.502	.493	.496	29.488	29.489	29.489	29.490	29.477	.456	.538
" 29,...	.424	.391	.384	.395	.449	.424	.414	.387	.380	.388	.359	.296	.280	.232	.178	.119	.091	.014	28.912	28.870	28.861	28.783	28.983	.116	.214
" 30,...	.211	.284	.360	.402	.436	.473	.510	.554	.548	.543	.584	.582	.584	.579	.589	.610	.600	.622	29.638	29.674	29.696	29.715	29.722	.707	.551
" 31,...	.694	.679	.685	.679	.693	.710	.724	.748	.755	.758	.763	.743	.736	.724	.719	.709	.719	.732	.751	.773	.790	.808	.807	.801	.737
Means,.....	29.583	29.574	29.570	29.570	29.577	29.588	29.602	29.608	29.614	29.614	29.610	29.598	29.588	29.570	29.557	29.543	29.540	29.546	29.558	29.569	29.585	29.592	29.601	29.596	29.581

TABLE II.

TEMPERATURE FOR THE MONTH OF JULY, 1896.

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	79.6	79.6	79.6	79.8	79.6	79.9	81.2	83.4	84.2	85.7	86.2	88.1	87.8	86.8	86.5	85.8	85.7	84.4	83.1	81.7	81.2	81.0	80.6	79.6	83.0	89.1	79.2
„ 2	79.7	79.4	79.5	79.4	79.2	79.8	82.1	81.5	84.7	85.1	86.4	89.0	87.3	85.2	87.1	86.2	84.7	83.9	82.6	81.8	81.3	81.3	81.8	81.4	82.9	89.0	79.2
„ 3	81.5	81.2	81.7	81.8	81.8	81.0	82.2	83.9	84.6	85.0	85.1	86.6	78.9	82.8	84.2	81.1	82.3	82.5	82.2	81.3	81.3	80.8	80.6	81.3	82.3	87.4	77.6
„ 4	80.9	81.6	81.8	82.2	81.3	81.9	82.9	83.6	84.1	85.2	84.5	85.7	85.9	84.6	84.5	83.1	84.5	83.4	82.9	82.6	82.6	82.5	82.6	82.3	83.2	86.8	80.9
„ 5	81.8	82.0	81.9	81.6	81.4	81.5	82.3	83.6	85.2	86.0	85.1	86.2	87.4	87.5	86.9	86.6	85.7	84.5	83.3	82.2	82.1	82.1	81.8	81.5	83.8	89.2	81.4
„ 6	81.2	80.7	80.3	81.2	80.9	82.3	82.8	83.0	84.4	85.0	86.2	85.0	84.9	85.9	85.3	84.7	84.3	83.5	82.2	81.7	81.0	80.8	80.0	79.6	82.8	87.4	78.5
„ 7	79.1	79.3	79.4	78.8	78.2	79.5	79.8	81.9	83.6	86.2	87.7	89.9	91.1	89.9	89.7	89.1	87.5	86.5	84.6	84.2	83.7	83.6	82.2	82.1	84.1	92.1	77.2
„ 8	81.7	81.9	82.0	81.5	81.3	81.6	82.0	81.2	79.8	83.3	84.0	82.7	81.2	82.4	79.9	78.3	79.5	80.3	80.5	79.8	80.0	79.9	79.8	78.3	81.0	84.5	77.8
„ 9	78.6	79.6	81.0	82.4	82.0	82.8	78.6	79.4	78.2	78.7	77.6	80.1	81.8	79.2	78.3	78.9	82.5	83.0	77.1	76.2	76.6	77.4	78.0	79.3	79.5	83.4	75.3
„ 10	79.5	80.7	81.0	81.2	81.5	80.0	82.5	82.7	83.6	84.7	84.6	85.2	85.2	84.6	84.6	84.2	84.0	83.2	82.9	82.4	82.3	82.5	82.5	81.7	82.8	86.7	79.3
„ 11	81.7	81.6	81.4	81.5	81.9	82.0	82.2	83.8	83.0	84.6	85.3	85.9	86.7	86.7	85.6	84.3	84.3	83.8	82.8	82.6	81.9	80.6	81.8	81.4	83.2	88.4	80.0
„ 12	81.5	81.3	81.2	81.2	81.0	81.6	81.6	84.7	84.6	85.6	87.2	87.4	87.6	86.9	85.8	86.8	85.9	84.8	82.7	82.6	82.5	81.6	81.7	81.4	83.7	90.0	80.5
„ 13	81.2	81.8	81.2	81.4	80.6	81.2	81.9	83.9	85.2	86.9	85.9	86.6	85.9	86.5	86.4	86.0	85.4	83.9	83.0	82.4	81.7	81.6	81.2	81.8	83.5	88.3	80.6
„ 14	81.8	81.6	81.6	80.9	80.6	81.2	82.2	83.4	84.1	84.8	85.6	85.9	87.6	87.7	86.9	86.0	85.1	83.3	82.2	81.8	81.1	80.3	80.2	79.8	83.2	89.3	79.6
„ 15	80.7	79.8	79.7	80.2	79.9	80.0	80.7	81.7	83.4	85.1	85.9	85.7	86.3	86.1	88.7	86.9	85.1	84.0	83.7	82.2	81.2	81.3	80.1	80.8	82.9	88.7	79.0
„ 16	81.5	80.9	80.6	80.0	80.4	80.6	81.9	83.4	84.1	84.1	86.2	87.8	88.7	88.7	87.2	86.2	86.2	85.3	83.8	82.8	81.6	81.7	81.9	81.0	83.6	90.1	80.0
„ 17	80.9	80.6	80.3	80.6	80.9	80.7	82.0	83.1	85.2	87.0	86.9	85.3	87.0	88.1	87.6	88.0	86.1	85.2	83.8	83.0	82.6	81.6	80.9	81.3	83.7	90.0	80.2
„ 18	80.5	80.8	80.2	79.6	80.5	81.0	81.9	82.7	84.6	86.2	87.7	89.1	88.8	89.2	89.2	88.2	87.8	85.9	84.8	83.8	83.3	82.7	82.5	82.4	84.3	90.9	79.3
„ 19	81.8	82.2	81.9	82.2	81.4	82.5	82.9	83.8	84.8	86.5	87.6	90.2	90.4	91.3	91.0	89.2	88.6	86.6	85.6	84.8	83.9	83.9	83.3	84.0	85.4	92.4	81.1
„ 20	83.9	84.0	83.6	83.6	82.7	83.9	84.1	86.3	86.8	88.2	89.7	88.9	90.2	90.6	91.1	89.2	88.5	87.2	86.1	86.0	85.3	84.5	85.2	84.0	86.4	92.2	82.7
„ 21	84.0	83.9	82.6	82.6	82.5	83.0	83.8	85.7	88.7	89.6	90.4	90.5	90.6	91.9	92.0	91.5	89.9	88.1	86.8	86.1	85.3	85.6	84.9	83.9	86.8	93.3	82.5
„ 22	83.1	83.1	83.0	83.3	83.0	83.6	83.4	83.5	84.6	85.4	87.4	88.7	80.7	82.2	84.8	86.3	84.9	84.6	83.6	83.4	82.6	82.9	82.3	81.7	83.8	90.6	79.2
„ 23	82.0	80.9	80.7	80.4	80.6	80.4	82.1	84.6	86.6	88.8	88.4	90.1	91.9	89.3	90.7	88.9	89.0	86.0	84.6	84.5	84.4	83.2	83.6	83.7	85.2	94.0	80.4
„ 24	83.2	83.0	81.7	82.0	80.9	81.7	83.2	84.5	85.9	86.9	86.9	86.8	86.9	87.1	85.7	84.3	85.1	83.3	83.5	82.8	82.7	82.4	82.6	82.7	84.0	88.0	80.9
„ 25	82.2	82.4	82.1	80.5	80.0	80.2	80.6	81.8	81.7	82.2	83.2	79.7	81.2	81.0	80.1	80.9	81.6	82.4	81.6	79.0	81.6	82.3	81.7	82.7	81.4	83.4	78.3
„ 26	80.9	80.8	81.2	81.0	80.3	80.1	81.7	82.4	80.8	83.6	82.4	81.0	82.6	81.4	82.5	81.6	80.5	81.2	81.7	81.6	81.7	82.3	82.2	82.1	81.6	84.1	79.3
„ 27	80.9	81.8	80.0	80.9	81.1	79.5	79.9	80.6	78.4	78.3	79.3	78.4	78.4	79.7	80.6	81.9	80.6	79.2	79.5	80.6	80.6	81.2	81.3	80.6	80.1	82.4	76.2
„ 28	81.7	81.5	81.6	80.0	81.0	80.9	81.7	82.5	83.9	81.6	81.5	84.8	84.9	84.9	85.0	85.7	84.6	84.6	81.8	80.7	81.2	81.0	82.2	82.6	82.6	87.0	79.3
„ 29	82.2	82.5	82.4	82.0	76.3	76.7	78.6	82.0	84.7	80.3	81.8	81.0	82.3	82.0	82.2	82.8	80.0	78.1	77.8	77.5	76.4	75.9	78.3	78.0	80.1	86.4	75.9
„ 30	77.8	78.4	77.7	77.7	76.7	77.7	76.7	77.0	77.9	80.8	80.9	81.9	81.7	81.8	82.0	81.5	81.3	81.3	80.9	80.5	80.6	80.6	80.3	79.9	79.7	82.4	76.5
„ 31	79.1	79.6	80.6	80.2	80.0	80.1	80.8	81.8	81.9	83.2	82.8	81.0	82.7	82.6	81.8	81.7	80.7	81.2	78.2	79.9	79.8	80.1	80.0	79.9	80.8	83.2	77.9
Means	81.2	81.2	81.1	81.0	80.6	80.9	81.6	82.8	83.7	84.7	85.2	85.7	85.6	85.6	85.6	85.0	84.6	83.7	82.6	82.0	81.7	81.6	81.6	81.4	82.9	88.1	79.2

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF JULY, 1896.

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.	Solar Max.
July 1, ...	78.3	78.4	78.5	78.0	77.7	78.0	78.3	79.1	79.0	80.6	79.2	81.2	80.2	80.4	77.0	77.9	78.2	77.5	77.4	77.6	77.4	77.7	77.8	77.2	78.4	140.7
„ 2, ...	77.0	77.6	77.9	77.4	77.2	78.0	78.9	78.9	79.0	78.5	79.4	80.5	79.5	79.2	79.3	79.0	78.4	77.5	78.0	77.3	77.8	78.4	77.9	78.5	78.4	144.4
„ 3, ...	78.0	77.7	77.6	77.5	77.4	77.6	78.4	78.7	78.2	78.7	78.3	78.4	76.9	77.4	78.0	78.3	77.5	77.5	77.7	77.8	76.9	76.8	76.9	76.6	77.7	147.6
„ 4, ...	76.4	76.4	76.7	78.3	78.0	77.8	79.2	79.7	79.0	79.6	80.0	80.2	80.0	79.3	79.2	77.2	79.2	78.7	78.7	78.7	78.7	78.7	78.6	79.0	78.6	143.4
„ 5, ...	78.7	78.9	78.6	78.5	78.2	78.5	78.0	78.7	79.0	78.0	78.0	79.0	79.5	79.0	78.3	79.2	77.8	79.0	78.8	78.6	77.4	77.8	77.3	78.0	78.4	144.9
„ 6, ...	77.9	78.2	78.0	77.9	77.8	78.1	78.0	77.9	78.2	77.7	78.7	78.1	76.8	78.0	77.6	77.1	77.1	77.0	77.1	77.3	76.3	76.2	76.1	76.2	77.5	143.7
„ 7, ...	76.0	76.1	76.5	75.9	75.8	76.9	74.8	75.2	75.5	76.2	75.9	78.2	77.2	76.8	75.8	75.2	75.2	76.4	76.2	76.3	76.1	77.1	78.3	78.7	76.3	146.5
„ 8, ...	78.0	77.7	77.9	77.7	76.7	76.7	76.4	77.2	77.6	78.3	78.2	78.4	78.2	78.2	77.9	77.1	77.7	77.6	78.0	78.7	78.2	77.2	77.3	75.7	77.6	133.7
„ 9, ...	76.7	77.0	77.9	76.1	75.8	74.8	76.0	76.1	77.6	76.4	76.8	77.2	77.4	77.1	75.9	77.0	78.4	79.1	74.3	75.2	75.3	74.8	76.0	76.8	76.5	129.2
„ 10, ...	77.0	77.0	77.7	78.3	78.4	78.3	78.6	78.3	78.2	79.6	79.4	80.2	80.4	79.9	79.7	79.3	79.7	79.1	79.0	78.8	78.6	78.7	78.4	78.4	78.8	143.7
„ 11, ...	78.2	78.1	78.3	78.1	78.5	78.1	78.9	79.4	79.5	80.6	80.3	79.8	79.7	78.8	78.9	79.2	78.9	79.2	78.6	78.7	78.6	78.7	78.4	77.7	78.9	143.8
„ 12, ...	77.8	77.9	78.1	78.0	77.6	77.3	78.7	79.7	80.0	79.3	79.7	79.8	79.8	78.9	79.0	79.5	79.0	78.0	78.2	78.0	77.7	77.7	77.8	77.6	78.5	144.0
„ 13, ...	76.8	77.5	77.9	77.8	77.2	77.0	78.6	78.8	78.7	79.1	77.6	79.1	77.8	78.2	78.9	78.4	79.2	77.5	77.7	77.6	77.7	77.4	77.3	77.7	78.0	143.4
„ 14, ...	77.3	77.2	77.1	77.2	77.3	77.2	77.5	77.6	77.5	78.0	78.3	79.3	77.7	77.8	78.1	77.7	77.0	76.5	76.0	75.8	76.2	76.0	76.3	77.0	77.2	140.3
„ 15, ...	77.0	77.6	77.5	77.7	77.6	78.3	78.0	78.9	80.2	80.5	80.6	80.1	80.3	79.2	80.3	78.8	78.7	78.2	78.0	77.6	78.1	78.4	78.0	78.0	78.6	141.8
„ 16, ...	78.3	78.3	77.7	78.1	78.3	78.4	78.4	79.6	79.0	81.0	80.9	80.9	80.0	80.1	80.2	78.7	80.0	78.1	78.1	77.9	77.7	77.8	77.6	78.8	78.9	146.5
„ 17, ...	78.4	78.1	78.0	78.5	78.7	78.6	79.7	79.2	79.1	79.7	81.0	78.8	80.1	78.0	77.9	78.1	79.0	80.0	80.0	78.9	78.8	78.9	78.8	78.2	78.9	147.0
„ 18, ...	78.5	78.4	78.5	78.1	78.0	78.3	79.0	79.0	79.4	80.2	80.8	80.7	80.2	80.1	80.9	80.1	80.0	80.2	79.2	78.7	78.9	78.7	79.0	78.7	79.3	144.5
„ 19, ...	78.6	79.0	78.8	79.3	78.8	79.5	79.8	79.9	80.7	80.6	80.9	80.1	80.0	81.4	80.9	82.3	82.4	81.8	81.7	79.9	80.3	80.4	80.0	79.9	80.3	141.9
„ 20, ...	80.0	80.6	80.0	80.4	80.0	81.8	81.6	81.0	82.1	82.1	82.8	81.4	82.0	83.9	83.2	82.7	82.8	82.5	81.7	80.9	80.7	81.3	81.8	81.1	81.6	146.5
„ 21, ...	81.7	81.5	81.4	80.9	80.4	81.9	82.0	82.0	82.3	81.5	81.0	83.4	82.8	83.1	81.8	83.3	82.1	82.9	81.8	81.7	81.3	82.0	82.3	81.7	81.9	144.2
„ 22, ...	81.5	81.7	81.6	81.7	81.5	81.6	80.2	80.3	81.7	82.0	82.9	82.7	77.9	78.9	80.6	82.0	81.6	81.8	81.7	81.3	79.8	79.9	80.0	79.1	81.0	140.1
„ 23, ...	79.5	78.5	78.2	78.0	78.0	78.1	79.7	80.0	80.9	80.8	80.5	83.1	83.9	82.2	84.8	80.8	82.2	81.6	79.8	79.1	79.5	79.3	79.4	79.8	80.3	147.1
„ 24, ...	80.0	79.8	78.4	78.1	78.6	79.6	80.0	80.6	80.7	78.9	78.0	78.9	79.8	79.2	79.4	79.3	79.2	78.4	77.2	78.6	78.6	78.5	78.7	77.7	79.0	139.9
„ 25, ...	77.3	77.6	77.4	77.9	78.1	78.7	78.7	78.4	78.2	78.9	78.7	78.8	80.0	79.9	78.9	79.7	79.3	79.6	79.4	77.5	79.5	79.5	79.5	79.6	78.8	118.2
„ 26, ...	79.0	79.2	78.5	78.2	78.1	78.0	79.5	80.7	78.9	80.9	80.6	79.4	79.9	79.2	79.5	79.3	79.7	79.1	78.6	78.8	78.6	78.5	78.5	78.6	79.1	127.8
„ 27, ...	78.7	78.6	78.7	78.8	79.4	79.3	78.0	78.5	77.4	76.9	78.0	77.0	76.7	77.7	78.2	79.2	78.3	78.3	78.0	78.6	78.4	77.8	78.1	78.4	78.2	119.2
„ 28, ...	79.0	78.9	78.9	78.5	78.3	78.2	80.0	80.2	80.5	80.8	80.0	80.7	79.9	79.7	79.9	79.9	79.7	78.4	78.9	78.1	78.7	78.7	78.5	78.0	79.3	141.7
„ 29, ...	78.9	78.9	78.5	78.7	76.3	76.5	78.1	78.9	79.0	76.8	76.6	77.0	80.6	78.9	78.6	76.5	77.1	75.6	76.4	75.7	74.3	74.2	74.5	74.5	77.1	135.8
„ 30, ...	74.4	74.5	75.0	74.8	74.0	73.8	73.9	73.8	76.5	77.7	77.9	79.0	78.9	78.8	78.8	78.5	78.4	78.2	77.5	78.7	78.2	78.0	78.3	77.7	76.9	140.5
„ 31, ...	77.3	77.5	77.9	77.5	77.4	77.3	78.4	78.6	78.6	80.3	79.9	78.6	79.8	78.7	78.5	78.6	77.9	78.2	77.1	77.9	78.1	78.1	78.0	78.0	78.3	144.3
Means, ...	78.1	78.2	78.2	78.1	77.9	78.1	78.6	78.9	79.1	79.4	79.4	79.7	79.5	79.3	79.2	79.0	79.1	78.8	78.4	78.3	78.1	78.2	78.2	78.2	78.7	140.5

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JULY, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	87	0.922	July 1,.....	81	0.911
2 „	87	.926	„ 2,.....	81	.912
3 „	87	.928	„ 3,.....	81	.888
4 „	87	.925	„ 4,.....	81	.918
5 „	88	.920	„ 5,.....	77	.900
6 „	88	.927	„ 6,.....	78	.873
7 „	87	.939	„ 7,.....	68	.803
8 „	83	.936	„ 8,.....	85	.902
9 „	81	.934	„ 9,.....	87	.873
10 „	78	.934	„ 10,.....	83	.932
11 „	76	.927	„ 11,.....	82	.931
Noon.	76	.934	„ 12,.....	78	.906
1 p.	76	.926	„ 13,.....	78	.886
2 „	75	.917	„ 14,.....	75	.854
3 „	74	.912	„ 15,.....	82	.922
4 „	76	.911	„ 16,.....	80	.925
5 „	77	.921	„ 17,.....	80	.925
6 „	79	.920	„ 18,.....	79	.935
7 „	82	.916	„ 19,.....	79	.967
8 „	84	.920	„ 20,.....	81	1.015
9 „	85	.915	„ 21,.....	80	1.025
10 „	85	.920	„ 22,.....	88	1.022
11 „	85	.920	„ 23,.....	79	0.969
Midt.	86	.924	„ 24,.....	79	.925
			„ 25,.....	89	.951
			„ 26,.....	89	.962
			„ 27,.....	91	.941
			„ 28,.....	86	.958
			„ 29,.....	87	.892
			„ 30,.....	88	.888
			„ 31,.....	89	.937
Means,.....	82	0.924	Means.	82	0.924

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.
1896.														
July 1,.....	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.4
„ 2,.....	...	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.2	9.0
„ 3,.....	...	...	0.6	0.6	0.8	1.0	0.8	...	...	0.5	0.3	0.5	...	5.1
„ 4,.....	...	0.6	1.0	0.8	0.3	0.2	0.4	0.6	...	...	0.1	0.5	...	4.5
„ 5,.....	...	0.2	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	10.1
„ 6,.....	0.3	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.6	11.7
„ 7,.....	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	0.7	0.7	0.9	0.1	10.3
„ 8,.....	...	0.1	0.3	0.2	0.7	0.8	0.5	0.2	...	...	...	...	...	2.8
„ 9,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,.....	...	0.5	0.3	0.6	1.0	1.0	0.8	0.8	0.6	0.5	0.3	0.1	...	6.5
„ 11,.....	...	0.5	1.0	0.8	0.8	0.9	1.0	1.0	1.0	0.5	0.2	0.6	0.1	8.4
„ 12,.....	0.3	0.3	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.4	10.8
„ 13,.....	0.4	1.0	1.0	1.0	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.2	11.4
„ 14,.....	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.2
„ 15,.....	...	0.2	0.6	0.5	1.0	0.6	1.0	0.9	1.0	0.9	0.7	0.1	...	7.5
„ 16,.....	0.1	0.6	0.4	0.2	0.5	1.0	1.0	1.0	1.0	0.8	0.8	0.4	0.3	8.1
„ 17,.....	...	0.7	0.6	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.5	10.6
„ 18,.....	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	11.5
„ 19,.....	...	0.7	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.1	10.6
„ 20,.....	0.2	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	10.1
„ 21,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2	10.5
„ 22,.....	...	...	...	...	0.2	0.7	0.5	...	0.2	0.8	0.1	...	...	2.5
„ 23,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.0	0.3	10.7
„ 24,.....	...	0.5	0.6	0.9	0.9	0.2	0.1	0.4	0.6	...	0.2	0.3	...	4.7
„ 25,.....	...	0.2	0.2	...	...	...	...	...	...	...	...	...	...	0.4
„ 26,.....	..	0.2	0.1	0.2	0.3	...	...	0.1	...	0.3	...	...	...	1.2
„ 27,.....	...	...	...	...	...	...	...	...	...	0.1	0.4	...	...	0.5
„ 28,.....	0.3	0.8	0.8	1.0	0.4	0.1	0.6	1.0	1.0	1.0	1.0	1.0	0.6	9.6
„ 29,.....	...	0.2	1.0	...	...	...	...	0.1	0.1	...	...	...	...	1.4
„ 30,.....	...	...	...	0.7	0.3	...	0.5	0.3	...	0.3	0.1	...	...	2.2
„ 31,.....	...	...	...	0.5	1.0	0.4	0.6	0.4	0.8	0.8	0.3	...	...	4.8
Sums,.....	2.0	13.8	18.8	20.9	22.1	20.8	21.4	20.3	20.2	20.0	18.2	16.1	5.5	220.1

TABLE VI.

RAINFALL FOR THE MONTH OF JULY, 1896.

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.	Duration Hours.
July 1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2	...	...	...	0.005	...	...	...	0.075	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.080	1
„ 3	...	...	...	...	...	0.030	...	...	...	...	...	...	0.265	...	...	0.160	...	...	...	...	...	...	...	...	0.455	1
„ 4	...	...	...	...	0.030	0.030	...	...	...	...	0.055	...	...	...	...	...	...	...	...	...	...	...	...	...	0.115	1
„ 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.030	...	0.030	...
„ 8	...	...	0.015	0.010	0.050	0.010	0.175	0.025	0.055	...	...	0.100	0.010	...	0.060	0.045	...	...	0.020	0.135	...	...	0.015	...	0.725	5
„ 9	...	...	0.335	0.080	0.370	0.010	...	...	0.370	0.110	0.290	...	...	0.180	0.070	...	...	0.175	0.130	...	...	...	...	...	2.120	9
„ 10	...	...	...	0.030	...	0.055	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.030	...	0.115	1
„ 11	...	...	...	...	...	...	0.035	...	0.010	0.035	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.080	1
„ 12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15	...	...	...	...	...	...	0.045	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.045	...
„ 16	...	...	...	...	...	...	0.005	0.005	0.020	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.040	...
„ 17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22	...	...	...	...	...	...	...	...	...	...	...	...	0.350	0.145	...	...	...	...	...	...	...	...	...	...	0.495	2
„ 23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25	...	...	...	0.055	0.130	0.045	0.010	...	...	...	...	0.080	0.010	0.120	0.090	0.120	...	0.005	0.005	0.005	0.005	0.020	0.050	0.010	0.760	11
„ 26	0.030	0.010	0.005	0.005	0.075	0.150	...	...	0.400	0.345	0.010	...	0.005	0.010	0.005	...	0.055	...	...	...	...	...	0.050	0.020	1.175	9
„ 27	...	...	0.120	0.080	0.410	0.205	0.130	0.090	0.630	0.030	...	0.030	0.025	...	...	...	0.145	0.400	0.015	...	0.010	...	...	...	2.320	12
„ 28	...	...	0.030	0.040	0.010	...	...	0.020	...	0.200	0.035	...	...	...	...	...	...	...	...	...	...	...	...	...	0.335	2
„ 29	...	...	...	0.050	0.990	0.235	...	...	...	0.100	0.010	0.055	0.110	0.020	0.030	0.005	0.050	0.110	0.185	0.020	0.230	0.320	†0.100	†0.050	2.670	14
„ 30	†0.040	†0.040	†0.030	†0.030	†0.055	†0.055	†0.055	...	†0.045	...	...	...	...	...	...	...	...	0.015	...	0.020	0.005	...	0.025	0.005	0.420	8
„ 31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.400	0.030	0.010	...	...	...	...	0.440	2
Sums,	0.070	0.050	0.535	0.385	2.120	0.825	0.455	0.215	1.530	0.830	0.400	0.265	0.775	0.475	0.255	0.330	0.250	1.105	0.385	0.190	0.250	0.340	0.300	0.085	12.420	79

† Hourly values approximate only, total correct. The recording instrument became choked during the typhoon.

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF JULY, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
July 1.	9	4	9	4	9	3	9	2	9	3	...	0	...	1	9	2	9	2	26	7	24	6	27	6	26	6	9	7	16	8	16	11	17	9	16	9	15	6	15	2	15	3	15	2	...	1	15	2	106	4.4	15
" 2.	15	3	15	4	10	4	8	3	8	4	8	3	6	5	8	8	8	7	15	10	14	9	15	10	17	10	14	9	15	8	15	12	15	8	13	12	12	10	12	6	8	8	8	9	11	9	10	8	179	7.5	12
" 3.	12	12	12	10	11	12	12	12	11	12	10	12	12	12	14	13	14	19	14	18	14	22	14	21	15	19	14	23	14	20	15	18	16	15	14	17	14	20	14	10	14	14	14	15	15	11	14	11	368	15.3	14
" 4.	14	14	14	15	14	16	14	19	15	19	14	18	15	15	14	12	14	13	15	11	16	12	16	13	16	14	18	9	17	13	18	12	17	9	14	13	14	13	14	10	13	9	13	8	13	8	12	11	306	12.8	15
" 5.	13	11	13	10	13	11	13	11	14	10	14	9	13	11	15	12	14	11	13	16	15	13	14	14	15	11	16	9	15	9	15	9	15	9	14	7	9	9	10	10	13	9	13	5	13	9	13	6	241	10.0	14
" 6.	13	4	11	3	10	2	9	9	10	9	10	8	10	10	8	13	7	15	7	13	7	14	8	16	8	18	8	19	7	16	9	16	8	16	8	15	10	11	11	7	10	5	10	6	10	3	...	1	249	10.4	8
" 7.	10	2	...	0	...	1	...	1	...	0	...	1	10	5	10	2	23	5	24	7	24	5	22	6	10	7	9	12	10	17	8	18	8	15	6	15	7	19	6	20	7	21	7	25	6	29	7	27	260	10.8	7
" 8.	7	26	6	21	7	29	6	29	7	34	7	33	7	33	7	31	7	30	7	32	7	38	8	34	9	28	10	35	10	30	10	26	8	23	9	26	10	21	12	17	10	15	11	15	11	15	10	8	634	26.4	8
" 9.	9	12	7	18	12	22	14	19	17	11	13	12	14	14	14	17	16	17	13	14	17	17	14	17	14	16	18	17	17	9	5	9	14	17	17	20	22	17	31	5	1	3	1	3	3	5	9	4	315	13.1	14
" 10.	14	7	15	8	15	11	14	12	15	18	16	15	16	14	16	12	16	16	15	16	15	15	17	12	15	11	15	14	15	15	16	13	16	12	15	14	15	10	15	9	15	11	15	10	16	10	16	10	295	12.3	15
" 11.	15	8	15	10	15	10	16	12	17	3	16	6	17	8	17	8	17	9	17	7	15	10	15	11	16	11	16	11	16	12	16	12	17	5	17	5	17	5	16	4	16	3	...	1	15	6	17	6	183	7.6	16
" 12.	17	5	17	5	18	4	18	5	17	6	18	4	19	5	20	5	25	6	21	7	21	10	20	11	19	9	20	8	18	9	19	12	18	9	18	9	20	7	18	9	18	5	18	2	19	5	18	7	164	6.8	19
" 13.	19	5	18	8	21	7	21	9	23	10	21	8	23	5	24	5	18	8	19	9	21	13	21	14	19	16	18	14	18	12	18	13	18	12	18	7	18	8	17	6	17	4	19	5	18	7	18	7	212	8.8	19
" 14.	19	6	19	5	18	6	18	4	18	6	18	6	17	6	18	6	17	8	17	7	22	7	24	8	23	10	16	6	24	6	17	7	15	7	15	8	15	9	15	6	15	7	10	4	10	3	10	3	151	6.3	17
" 15.	6	4	...	1	8	4	8	2	8	2	8	2	5	6	5	4	7	8	8	7	13	6	8	11	8	14	10	10	15	9	15	8	15	7	15	6	15	4	10	6	9	7	9	6	9	6	8	3	143	6.0	10
" 16.	8	4	8	3	8	4	8	4	8	4	6	7	8	4	7	4	7	3	16	4	7	6	16	6	15	8	16	9	15	10	15	9	16	8	15	8	15	6	11	4	11	3	10	4	9	3	9	3	128	5.5	12
" 17.	8	4	8	5	8	3	8	4	8	2	...	1	8	3	8	4	16	10	17	6	23	9	24	11	24	9	20	7	17	8	23	8	17	6	17	5	16	7	16	4	17	3	23	4	...	1	...	1	125	5.2	18
" 18.	...	1	...	1	26	3	...	1	24	4	26	5	26	6	26	7	26	7	23	7	23	8	21	9	21	10	22	8	24	7	21	6	22	6	18	7	18	3	17	5	...	0	29	3	...	1	...	0	115	4.8	23
" 19.	...	0	22	10	22	9	21	9	25	4	25	3	25	2	25	3	24	6	22	7	21	9	22	10	21	8	22	9	22	8	23	9	22	5	18	5	18	6	18	4	18	2	...	1	...	1	18	3	133	5.5	22
" 20.	18	9	20	11	21	11	21	8	22	4	...	1	...	1	23	2	26	6	25	7	24	10	25	12	25	7	25	9	23	8	17	8	17	9	18	7	18	5	...	1	18	3	20	2	...	0	20	2	143	6.0	22
" 21.	25	2	25	3	26	2	26	2	26	3	26	2	...	1	26	4	24	5	23	6	22	9	23	8	25	8	24	7	24	7	23	6	19	6	20	9	19	4	19	2	20	3	20	2	22	5	23	6	112	4.7	23
" 22.	23	4	25	4	25	4	26	5	25	7	23	6	23	7	22	6	23	6	23	7	22	9	22	8	4	16	26	3	22	3	28	6	26	4	25	2	25	4	26	5	27	5	20	3	24	9	21	3	136	5.7	25
" 23.	...	1	23	9	25	7	24	5	22	4	24	4	24	6	23	4	30	7	32	7	10	5	13	5	12	5	14	5	27	5	12	4	12	4	12	4	...	1	13	3	7	2	...	1	7	4	...	1	103	4.3	21
" 24.	7	3	7	3	7	5	7	2	7	9	7	12	6	9	7	11	7	10	8	16	7	21	6	20	7	22	7	24	4	17	7	27	7	28	7	30	7	28	7	23	6	26	6	25	7	27	6	28	426	17.7	7
" 25.	6	28	5	25	5	21	6	23	5	19	6	21	6	23	6	25	7	26	6	24	7	25	8	24	7	25	7	25	7	24	6	29	7	28	8	22	9	22	10	24	9	18	11	19	10	18	11	18	556	23.2	7
" 26.	15	15	9	11	13	20	13	20	8	13	12	20	14	15	13	14	15	14	12	12	3	11	9	17	8	21	9	19	8	23	10	20	9	19	9	20	11	14	12	16	11	15	12	20	12	20	11	26	415	17.3	11
" 27.	9	23	12	24	7	16	8	13	9	15	10	15	6	9	2	7	13	5	2	6	7	15	9	22	7	15	8	17	10	15	8	13	7	16	10	12	10	14	6	13	8	15	8	18	8	19	7	17	354	14.7	8
" 28.	7	15	6	15	6	12	7	16	6	19	7	18	6	15	7	15	7	21	7	17	11	11	7	17	9	11	10	10	10	7	10	6	10	8	10	6	27	8	27	6	23	8	26	10	26	15	25	16	302	12.6	7
" 29.	22	19	23	16	27	16	23	18	9	8	23	6	17	4	30	12	30	18	1	18	2	31	2	35	2	37	2	42	3	45	3	48	3	62	3	73	4	99	5	100	6	102	9	108	11	90	13	75	1082	45.1	5
" 30.	13	68	14	64	15	46	14	38	14	33	10	29	13	31	13	25	10	35	12	37	13	30	13	31	13	31	13	27	13	27	13	23	12	34	12	39	12	38	12	32	12	30	12	21	12	23	11	24	816	34.0	13
" 31.	9	20	11	30	12	32	13	32	13	28	13	27	11	26	13	23	13	21	12	23	12	23	11	22	12	22	9	20	9	21	9	21	10	21	15	18	7	8	11	17	10	20	10	19	10	16	9	18	528	22.0	11
Sums.	...	339	...	361	...	353	...	349	...	323	...	314	...	312	...	316	...	374	...	385	...	429	...	461	...	455	...	444	...	428	...	439	...	437	...	450	...	436	...	386	...	379	...	376	...	379	...	355	9289	386.7	...
Means.	...	10.9	...	11.6	...	11.4	...	11.3	...	10.4	...	10.1	...	10.1	...	10.2	..	12.1	...	12.4	...	13.8	...	14.9	...	14.7	...	14.3	...	13.8	...	14.2	...	14.1	...	14.5	...	14.1	...	12.5	...	12.2	...	12.1	...	12.2	...	11.5	299.4	12.5	...

TABLE VIII.

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
1896.												
July 1, ...	7	cum.	S	7	c-cum. / cum.	S	8	c-cum. / cum.	ENE / S	7	c-cum. / cum.	SSW
„ 2, ...	3	c-str. / cum.	...	5	c-str. / cum.	...	8	cum.	S	9	c-str. / cum.	SSE
„ 3, ...	6	c-str. / cum.	...	8	c-str. / cum.	SE	10	c-cum. / cum.	N / SSE	8	c-str. / cum.	N / S
„ 4, ...	5	c-str. / cum.	S	7	cum.	S	9	c-cum. / cum-nim.	S	9	c-str. / cum.	N / S
„ 5, ...	4	cum.	...	7	cum.	S	7	c-cum. / cum.	S	5	cum.	SSE
„ 6, ...	3	cum.	...	8	cum.	SSE	4	cum.	ESE	2	cum.	E
„ 7, ...	3	cum.	...	2	cum.	...	1	c-cum.	...	1	c-cum.	E
„ 8, ...	1	cum.	...	7	cum.	ENE	9	cum.	E	9	cum.	E
„ 9, ...	6	cum.	...	10	nim.	...	9	cum-nim.	SSE	10	nim.	SSW
„ 10, ...	6	cum.	SSW	10	cum.	S	8	sm-cum. / cum.	SSW	7	c-cum. / cum.	S
„ 11, ...	7	cum.	SSW	5	cum.	SSW	8	cum.	SSW	8	c-str. / cum. / cum.	W / SSW
„ 12, ...	3	cum.	...	9	cum.	...	6	nim.	SSW	7	c-str. / cum.	SW
„ 13, ...	4	cum.	SSW	3	cum.	SSW	6	c-cum. / cum.	SW	2	c-cum. / cum.	SW
„ 14, ...	0	...	...	1	cum.	...	9	c-cum. / cum.	ENE / SW	8	c-str. / cum.	SSW
„ 15, ...	0	...	...	1	cum.	...	10	sm-cum. / cum.	S	9	c-cum. / cum.	S
„ 16, ...	1	cum.	...	2	cum.	...	10	cum-nim.	S	6	c-cum. / cum.	S
„ 17, ...	7	cum.	...	10	cum-nim.	...	7	c-cum. / cum.	S	5	c-str. / cum.	NE / S
„ 18, ...	2	cum.	...	5	cum.	...	4	c-cum. / cum.	WSW	4	c-cum. / cum.	ENE / W
„ 19, ...	0	...	...	3	cum.	...	6	c-str. / cum.	NNE / W	4	c-str. / cum.	NE / W
„ 20, ...	3	cum.	SW	3	cum.	...	3	c-cum. / cum.	ENE / WNW	6	c-cum. / cum.	ENE / W
„ 21, ...	9	c-str. / cum.	...	3	cum.	W	7	c-cum. / cum.	ENE / ..	2	c-cum. / cum.	ENE / ..
„ 22, ...	6	c-cum. / cum.	...	3	cum.	...	9	c-cum. / cum.	ENE / ..	8	c-str. / sm-cum.	...
„ 23, ...	9	c-str. / cum.	...	1	cum.	...	5	c-str.	...	7	c-str.	...
„ 24, ...	7	c-str. / c-cum.	...	3	c-str. / c-cum.	...	7	c-str. / cum.	ENE	10	c-str. / sm-cum. / cum.	.. / ENE / ENE
„ 25, ...	10	c-str. / cum.	ENE	10	nim.	E	9	c-str. / sm-cum. / cum.	ENE	9	c-str. / cum-nim.	ENE
„ 26, ...	10	nim.	ESE	10	cum-nim.	ESE	10	c-cum. / cum-nim.	SSE	10	nim.	SSE
„ 27, ...	10	nim.	SSE	10	nim.	SSE	10	nim.	SSE	10	cum-nim.	SE
„ 28, ...	7	sm-cum. / cum.	ESE	9	nim.	E	9	cum-nim.	E	10	nim.	E
„ 29, ...	8	c-str. / cum.	NNW	10	str-cum.	...	10	c-cum. / cum.	NNE	10	str. / nim.	NE
„ 30, ...	10	nim.	SE	10	nim.	SSE	10	nim.	S	10	sm-cum. / cum.	SE
„ 31, ...	10	str-cum.	...	10	cum.	SE	10	cum.	SE	9	c-cum. / cum.	SSE / SSE
Means,...	5.4	...	...	6.2	...	...	7.7	...	...	7.1	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
July 1,...	7	c-cum. / cum.	ENE / ..	5	c-cum. / cum.	ENE / SSW	3	c-cum.	...	0	...	...	5.5
„ 2,...	9	c-str. / sm-cum. / cum.	SSE / SSE / ..	8	c-str. / cum.	ENE / S	7	c-str. / cum.	S	3	cum.	...	6.5
„ 3,...	10	str. / nim.	S / SSW	10	nim.	...	10	str. / cum.	S	10	cum.	S	9.0
„ 4,...	9	c-str. / sm-cum. / R-cum.	E / S / S	8	c-cum. / cum.	E / S	10	str. / cum.	S	5	cum.	...	7.7
„ 5,...	5	cum. / R-cum.	SSE / SSE	2	c-cum. / cum.	S	3	c-str. / cum.	...	1	cum.	...	4.2
„ 6,...	3	cum. / R-cum.	SSE / S	1	cum.	...	1	c-str.	...	0	...	...	2.8
„ 7,...	7	c-str. / sm-cum. / cum.	.. / E / ENE	8	c-str. / sm-cum.	E	6	c-cum. / cum.	E / ..	1	cum.	...	3.6
„ 8,...	10	c-cum. / R-cum.	SE / ESE	10	nim.	ESE	10	cum-nim.	SE	8	cum.	ESE	8.0
„ 9,...	10	c-cum. / R-cum.	SSE / SSW	10	c-cum. / R-cum.	S	10	nim.	SW	6	cum.	...	8.9
„ 10,...	9	c-cum. / cum. / R-cum.	.. / SW / SW	9	c-cum. / cum. / R-cum.	.. / SSW / SSW	10	cum.	SSW	5	cum.	...	8.0
„ 11,...	3	c-str. / cum.	E / ..	7	c-cum. / cum.	ENE / SW	5	c-cum. / cum.	SSW	4	cum.	...	5.9
„ 12,...	5	c-cum. / cum.	E / SW	8	c-cum. / cum.	SSW	4	c-cum. / cum.	SW	2	cum.	...	5.5
„ 13,...	3	c. / cum.	E / WSW	6	c-cum. / cum.	E / WSW	5	c-cum. / cum.	WSW	1	cum.	...	3.7
„ 14,...	7	c-str. / cum.	WSW	8	c-cum. / cum.	E / WSW	5	c-str. / c-cum.	E	1	c-str.	...	4.9
„ 15,...	7	c-str. / cum.	SSE	8	c-cum. / cum.	SE	7	c-str. / c-cum.	...	2	c-str.	...	5.5
„ 16,...	6	c-str. / cum.	ENE / SSE	6	c-str. / cum.	NE / SSE	8	c-str. / cum.	NE / ..	5	c-str. / cum.	SSE	5.5
„ 17,...	9	c-str. / cum.	NE / S	7	c-cum. / cum.	ENE / ..	1	cum.	...	1	c-cum.	...	5.9
„ 18,...	2	c-cum. / cum.	W	1	c-cum. / cum.	NW	1	c-cum.	E	0	...	...	2.4
„ 19,...	8	c-str. / cum.	NE / ..	7	c-str. / cum.	NE / ..	1	c-str.	...	8	c-str.	...	4.6
„ 20,...	5	c-str. / cum.	ENE / ..	7	c-str. / cum.	ENE / W	10	c-cum. / sm-cum.	ENE	10	c-str. / sm-cum.	ENE	5.9
„ 21,...	2	c-cum. / cum.	...	5	c-cum. / cum.	ENE / ..	10	c-cum. / cum.	ENE / ..	5	c-cum.	...	5.4
„ 22,...	9	cum. / cum-nim.	NE	8	c-str. / sm-cum. / cum.	ENE / .. / NW	10	sm-cum. / cum.	N / ..	10	sm-cum. / cum.	W	7.9
„ 23,...	7	c-str. / cum.	E / NNE	7	c-str. / cum.	N	4	c-cum. / sm-cum.	NNE	7	c-str / sm-cum.	NNE	5.9
„ 24,...	10	c-cum. / cum-nim.	ENE	9	c-str. / sm cum. / cum.	.. / ENE / ENE	7	c-cum. / cum.	ENE	9	sm-cum. / cum.	ENE	7.8
„ 25,...	10	cum-nim.	E	10	nim.	E	10	cum.	ESE	10	cum.	SE	9.7
„ 26,...	10	cum. / nim.	SSE	10	cum-nim.	SSE	10	nim.	SE	9	cum.	SSE	9.9
„ 27,...	10	nim.	SE	10	c-cum. / cum.	SE	9	c-cum. / nim.	SE	5	c-str. / cum.	ESE	9.3
„ 28,...	4	cum.	E	4	c-cum. / cum.	E	5	c-str.	...	1	c-cum.	...	6.1
„ 29,...	9	c-cum. / cum.	NE	10	str. / nim.	NE	10	nim.	ENE	10	nim.	...	9.6
„ 30,...	10	sm-cum. / cum.	S / SE	10	cum-nim.	SE	10	cum-nim.	SE	7	cum.	...	9.6
„ 31,...	9	c-cum. / cum.	SSE	8	c-cum. / cum.	SSE	10	cum-nim.	SE	8	cum.	...	9.2
Means,...	7.2	...	...	7.3	...	...	6.8	...	...	5.0	...	...	6.6

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF JULY, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.7	6.8	5.3	1.1	− 4.6	+ 5.7	E 39° S
2 „	1.2	6.3	5.9	1.8	4.7	4.5	E 46° S
3 „	1.3	5.9	5.7	1.8	4.4	4.1	E 47° S
4 „	0.8	5.8	5.9	1.7	5.1	4.1	E 51° S
5 „	1.0	6.0	4.6	1.4	3.6	4.6	E 39° S
6 „	0.8	6.3	4.3	1.2	3.5	5.1	E 33° S
7 „	1.1	5.8	4.6	1.0	3.5	4.8	E 36° S
8 „	1.5	5.5	4.4	1.3	2.9	4.2	E 34° S
9 „	1.7	6.0	5.1	1.8	3.4	4.2	E 39° S
10 „	1.7	6.2	5.5	1.9	3.8	4.3	E 41° S
11 „	2.0	6.5	5.8	2.9	3.8	3.6	E 46° S
Noon.	1.5	7.5	5.8	3.0	4.3	4.5	E 44° S
1 p.	2.0	7.6	6.0	2.3	4.0	5.3	E 37° S
2 „	1.7	7.7	6.2	1.9	4.5	5.8	E 38° S
3 „	1.9	7.0	6.3	1.8	4.4	5.2	E 40° S
4 „	2.1	7.4	6.4	1.7	4.3	5.7	E 37° S
5 „	2.1	7.8	6.1	1.1	4.0	6.7	E 31° S
6 „	2.4	7.9	7.1	0.9	4.7	7.0	E 34° S
7 „	2.8	8.5	5.7	1.4	2.9	7.1	E 22° S
8 „	2.7	8.3	4.8	0.6	2.1	7.7	E 16° S
9 „	1.9	9.1	4.0	0.6	2.1	8.5	E 14° S
10 „	0.8	9.4	4.2	0.7	3.4	8.7	E 22° S
11 „	0.9	8.4	5.3	1.1	4.4	7.3	E 31° S
Midt.	0.7	7.4	5.5	1.1	− 4.8	+ 6.3	E 37° S
Means, ...	1.6	7.1	5.4	1.5	−3.88	+ 5.62	E 35° S

PHENOMENA :—

Solar halo :—on the 2nd, 3rd, 4th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 19th, 20th, 22nd 23rd and 24th.

Solar corona :—on the 19th and 23rd.

Lunar halo :—on the 2nd, 3rd, 4th, 14th, 15th, 16th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 27th, 28th and 29th.

Lunar corona :—on the 1st, 3rd, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 26th, 28th and 29th.

Fog :—on the 21st.

Slight fog :—on the 20th and 23rd.

Haze :—on the 1st, 2nd and 22nd.

Dew :—on the 1st, 2nd, 5th, 6th, 13th, 14th, 15th, 16th, 24th and 28th.

Rainbow :—on the 2nd, 4th, 8th, 15th and 25th.

Lightning without thunder :—on the 1st, 2nd, 3rd, 4th, 5th, 8th, 10th, 12th, 20th, 21st, 23rd and 28th.

Thunder without lightning :—on the 20th.

Thunder and lightning :—on the 24th, 25th, 26th, 30th and 31st.

Thunderstorms :—on the 22nd, 12.30 p.—2 p., E-NW, distant. On the 29th, 1 a.—6.15 a., SE-SW, nearest at 5.56 a. (5').

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF AUGUST, 1896.

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.
Augt. 1,...	29.785	29.783	29.769	29.765	29.778	29.787	29.797	29.801	29.813	29.822	29.814	29.792	29.777	29.765	29.753	29.746	29.743	29.750	29.768	29.785	29.802	29.800	29.795	29.794	29.783
„ 2,...	.773	.765	.755	.751	.748	.756	.748	.765	.763	.770	.759	.747	.739	.725	.716	.698	.696	.692	.704	.730	.738	.740	.728	.715	.738
„ 3,...	.695	.683	.675	.669	.675	.677	.672	.679	.694	.705	.704	.698	.677	.663	.669	.662	.667	.668	.695	.694	.708	.710	.714	.685	.685
„ 4,...	.663	.640	.625	.635	.647	.652	.680	.690	.704	.716	.722	.704	.694	.692	.692	.684	.701	.708	.739	.741	.765	.792	.781	.761	.701
„ 5,...	.738	.739	.723	.717	.710	.733	.762	.774	.789	.803	.798	.796	.786	.790	.799	.785	.775	.769	.787	.805	.799	.811	.811	.797	.775
„ 6,...	.787	.770	.770	.765	.764	.772	.788	.801	.812	.809	.810	.791	.786	.778	.758	.752	.751	.761	.763	.777	.790	.801	.789	.779	.780
„ 7,...	.768	.755	.731	.727	.720	.732	.739	.765	.777	.775	.773	.762	.743	.728	.705	.690	.689	.689	.696	.713	.731	.727	.720	.704	.732
„ 8,...	.692	.682	.665	.654	.654	.670	.667	.683	.693	.693	.689	.659	.627	.593	.581	.571	.569	.561	.576	.600	.620	.634	.622	.615	.636
„ 9,...	.592	.582	.580	.561	.553	.558	.561	.561	.548	.540	.533	.513	.487	.450	.426	.411	.419	.432	.475	.502	.534	.568	.583	.593	.523
„ 10,...	.585	.574	.566	.566	.580	.606	.627	.643	.669	.685	.685	.660	.655	.655	.654	.651	.643	.648	.673	.684	.708	.719	.735	.733	.650
„ 11,...	.712	.699	.691	.695	.699	.717	.734	.746	.759	.760	.761	.751	.720	.701	.681	.669	.672	.670	.681	.702	.704	.720	.708	.693	.710
„ 12,...	.676	.672	.668	.655	.645	.645	.668	.679	.697	.693	.695	.669	.668	.648	.626	.610	.610	.605	.609	.620	.640	.654	.644	.650	.652
„ 13,...	.641	.629	.627	.620	.631	.639	.644	.652	.664	.665	.652	.646	.631	.611	.599	.580	.587	.593	.611	.642	.658	.674	.670	.662	.634
„ 14,...	.643	.635	.630	.627	.635	.651	.671	.691	.689	.690	.675	.664	.635	.624	.612	.605	.606	.607	.618	.639	.645	.651	.649	.643	.643
„ 15,...	.629	.613	.612	.618	.630	.639	.633	.632	.631	.620	.606	.588	.576	.565	.540	.530	.512	.511	.521	.552	.567	.584	.571	.555	.585
„ 16,...	.548	.540	.535	.534	.543	.560	.577	.577	.574	.565	.554	.556	.528	.500	.484	.483	.488	.501	.519	.545	.567	.575	.578	.565	.542
„ 17,...	.564	.560	.549	.548	.559	.570	.585	.601	.606	.603	.597	.580	.570	.547	.532	.531	.550	.565	.576	.610	.619	.637	.627	.609	.579
„ 18,...	.594	.574	.573	.574	.589	.607	.627	.638	.652	.646	.648	.636	.613	.591	.586	.581	.584	.597	.612	.630	.650	.664	.666	.643	.616
„ 19,...	.633	.613	.607	.601	.616	.628	.655	.669	.684	.690	.683	.685	.675	.654	.647	.636	.638	.642	.667	.692	.707	.721	.720	.718	.662
„ 20,...	.709	.697	.695	.687	.692	.702	.713	.732	.744	.750	.749	.742	.731	.718	.706	.689	.699	.703	.717	.741	.760	.773	.776	.771	.725
„ 21,...	.759	.755	.747	.741	.746	.758	.766	.774	.784	.782	.776	.765	.747	.727	.710	.695	.695	.692	.710	.735	.744	.747	.744	.742	.743
„ 22,...	.726	.718	.714	.707	.706	.710	.728	.756	.761	.759	.762	.737	.711	.680	.670	.655	.644	.663	.686	.708	.728	.742	.757	.737	.715
„ 23,...	.729	.706	.692	.684	.683	.686	.708	.725	.729	.733	.739	.721	.695	.681	.658	.649	.637	.661	.670	.684	.706	.712	.715	.700	.696
„ 24,...	.690	.672	.660	.662	.654	.668	.693	.702	.710	.704	.700	.677	.649	.628	.604	.604	.589	.598	.614	.629	.647	.649	.638	.637	.653
„ 25,...	.633	.619	.609	.610	.621	.637	.647	.663	.678	.692	.669	.658	.645	.645	.607	.593	.582	.576	.597	.620	.661	.659	.665	.639	.634
„ 26,...	.641	.633	.615	.613	.619	.633	.643	.650	.657	.664	.664	.658	.642	.610	.594	.597	.594	.615	.629	.659	.673	.697	.689	.680	.640
„ 27,...	.660	.648	.646	.640	.642	.656	.656	.673	.673	.674	.670	.655	.639	.627	.594	.590	.583	.587	.616	.638	.662	.681	.679	.653	.643
„ 28,...	.643	.623	.616	.617	.615	.626	.644	.662	.664	.664	.661	.644	.634	.614	.610	.580	.575	.581	.591	.609	.638	.639	.627	.621	.625
„ 29,...	.607	.597	.593	.595	.596	.617	.629	.635	.644	.650	.646	.632	.614	.596	.584	.569	.582	.594	.611	.638	.666	.664	.673	.660	.620
„ 30,...	.645	.629	.637	.633	.643	.657	.668	.676	.681	.685	.675	.663	.641	.619	.609	.608	.614	.631	.655	.671	.691	.702	.697	.688	.655
„ 31,...	.677	.666	.660	.662	.654	.654	.670	.678	.684	.684	.678	.660	.640	.619	.596	.590	.598	.607	.625	.647	.660	.649	.632	.627	.647
Means,.....	29.672	29.660	29.653	29.649	29.653	29.665	29.677	29.689	29.698	29.700	29.695	29.681	29.664	29.647	29.632	29.622	29.622	29.628	29.646	29.666	29.683	29.693	29.690	29.680	29.665

TABLE II.

TEMPERATURE FOR THE MONTH OF AUGUST, 1896.

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,	79.6	79.6	79.4	79.0	79.5	79.7	79.6	80.2	81.2	81.8	82.7	82.6	82.9	82.6	82.1	82.5	81.5	80.8	79.7	79.1	78.8	78.8	77.9	78.6	80.4	82.9	77.9
„ 2,	77.9	77.7	77 9	77.0	76.9	77.0	79.6	81.7	82.8	83.8	85.6	85.9	85.6	85.5	84.0	84.6	83.3	82.3	81.2	81.1	81.6	81.3	81.5	81.9	81.6	86.0	76.9
„ 3,	81.8	81.1	80.9	80.2	79.0	80.0	82.6	82.8	81.0	82.2	82.0	79.9	80.0	81.6	82.2	81.4	81.1	80.3	79.9	80.1	80.4	80.2	80.2	80.1	80.9	83.1	78.8
„ 4,	79.6	79.4	79.3	79.8	80.4	80.6	80.9	81.0	81.2	82.1	82.1	82.6	82.1	81.6	80.9	82.1	81.1	82.9	81.8	81.5	81.7	81.1	81.6	81.4	81.2	82.9	78.9
„ 5,	80.7	80.5	80.3	80.1	80.6	79.4	80.7	81.1	82.8	83.1	82.6	83.0	85.1	81.6	77.5	77.6	78.8	79.0	78.7	78.6	79.7	79.4	79.5	79.2	80.4	85.2	77.0
„ 6,	79.3	79.5	79.8	79.7	80.0	79.5	80.2	81.6	81.9	82.0	82.9	83.2	83.6	83.0	82.1	83.3	82.3	81.2	79.9	79.9	80.0	79.6	79.2	79.6	81.0	84.4	78.9
„ 7,	79.2	78.9	78.6	78.2	78.1	78.3	79.6	80.9	80.9	83.7	85.6	85.9	86.9	89.1	88.7	86.2	83.6	84.3	84.6	82.3	82.0	79.3	80.0	79.8	82.3	89 9	77.7
„ 8,	79.7	78.3	78.4	78.2	78.6	78.0	80.3	82.7	84.9	86.9	87.7	87.9	88.7	87.9	88.7	88.9	88.9	86.0	84.6	84.5	83.4	82.6	82.3	82.5	83.8	89.0	77.5
„ 9,	82.5	82.6	82.5	82.8	82.9	82.2	83.7	86.9	87.5	87.7	84.8	80 2	82.2	83.0	83.6	84.1	83.1	81.3	80.0	79.0	78.7	80.6	80.5	78.1	82.5	88.1	77.6
„ 10,	79.8	80.3	79.6	80.1	80.3	81.0	80.9	80.9	79.5	82.1	80.9	82.2	81.6	82.3	82.1	82.0	81.9	81.7	80.1	78.7	79.0	79.8	79.5	80.5	80.7	82.7	78.6
„ 11,	80.3	79.9	80.1	80.1	79.6	79.7	79.9	81.5	82.0	83.1	82.9	83.9	84.6	85.3	85.0	83.6	82.3	81.3	81.2	80.5	80.2	80.3	80.0	79.7	81.5	86.1	79.6
„ 12,	79.7	79.3	79.1	80.3	80.0	79.1	79.6	80.9	82.0	83.2	83.4	85.6	85.0	85.0	86.3	85.6	84.2	82.1	81.1	81.5	80.9	80.6	80.1	79.5	81.8	87.0	78.5
„ 13,	79.5	79.9	79.7	79.8	78.9	78.6	80.1	82.5	83.7	85.2	85.6	84.8	85.6	84.1	84.7	85.6	84.8	82.2	80.9	80.8	80.6	80.3	80.0	79.5	82.0	86.3	78.5
„ 14,	79.0	78.4	78.2	78.1	78.0	77.9	80.0	82.6	84.2	85.3	85.8	86.9	87.2	87.9	87.3	88.4	86.7	83.8	82.7	82.1	81.3	80.7	80.3	80.2	82.6	89.1	77.6
„ 15,	79.9	79.9	79.7	79.9	79.9	79.9	82.3	83.6	84.3	85.6	86.0	87.8	88.5	90.0	89.9	88.9	87.8	85.3	83.9	83.4	82.7	83.5	82.0	82.0	84.0	91.1	79.7
„ 16,	81.6	81.3	81.2	81.2	80.5	81.6	82.2	82.9	85.7	86.3	87.8	89.1	89.6	88.9	88.4	87.6	87.4	85.7	83.9	83.6	83.5	83.1	82.6	82.3	84.5	90.7	80.0
„ 17,	82.6	81.9	81.6	81.5	81.0	81.6	82.7	84.6	85.5	87.6	87.7	88.3	87.9	88.6	88.1	87.9	85.3	84.4	83.2	82.6	82.6	82.1	82.0	81.6	84.3	90.0	81.0
„ 18,	80.8	80.7	80.8	80.7	80.6	81.9	82.7	83.6	84.5	87.2	87.7	88.7	88.7	89.1	88.6	88.1	86.7	84.9	83.3	82.7	82.6	82.6	82.7	82.4	84.3	89.7	80.4
„ 19,	82.0	81.7	81.6	81.5	81.2	81.6	82.4	83.8	84.5	85.6	86.6	86.9	85.3	85.7	84.9	84.5	84.8	83.5	83.0	82.7	82.5	82.6	82.3	82.6	83.5	88.7	80.1
„ 20,	82.6	82.5	81.5	79.9	81.6	81.2	82.9	83.1	84.7	84.1	85.6	84.6	85.0	81.6	85.6	84.9	83.8	83.2	83.0	82.2	81.3	81.3	82 2	80.8	82.9	86.4	79.3
„ 21,	82.2	82.1	81.2	81.9	81.9	82.0	82.2	84.2	85.3	85.3	86.3	86.0	86.7	86.0	85.5	85.6	84.9	83.8	82.7	82.0	81.8	81.6	81.5	81.0	83.5	87.3	80.3
„ 22,	80.8	80.4	80.6	80.2	80.0	80.2	81.9	83 5	84.7	86.0	86.6	86.3	87.6	88.0	86.9	85.1	83.6	83.8	83.0	82.7	82.3	82.2	82.3	82.2	83.4	88.5	79.4
„ 23,	82.1	81.5	81.2	80.8	81.0	81.2	83.0	84.1	84 9	86.4	84.8	85.0	85.8	83.1	81.0	83.1	83.0	83.4	82.6	81.6	82.1	81.7	81.2	80.7	82.7	88.3	78.7
„ 24,	80.6	80.5	80.2	80.0	79.9	79.7	78.9	81.9	84.1	84.7	84.8	86.7	87.0	86.8	84.6	84.9	83.9	83.5	82.8	82.6	82.5	82.7	81.3	81.6	82.8	88.9	78.2
„ 25,	81.6	81.4	81.0	80.6	78.5	77.7	76.5	76.1	76.6	76.0	79.6	80.5	80.9	77.8	79.9	80.7	81.5	80.9	80.1	80.2	80.1	80.0	80.1	79.4	79.5	83.2	76.0
„ 26,	79.2	78.7	78.8	79.6	78.9	79.0	79.6	81.1	81.7	83.1	79.8	80.2	83.5	83.9	82.7	82.4	82.1	81.0	80.6	80 4	80.2	79.1	78.9	78.6	80.5	85.5	78.5
„ 27,	78.3	78.9	78.7	78.8	78.6	79.1	80.1	80.9	82.1	84.4	85.0	84.7	84.7	84.6	83.9	83.9	83.8	82.4	81.8	81.4	81.6	81.5	81.1	80.6	81.7	86.5	78.0
„ 28,	80.7	80.1	79.7	79.5	77.5	79.8	80.8	82.9	84.3	84.7	84.9	84.2	84.4	85.2	85.4	85.6	83.9	82.7	82.1	81.6	81.5	81.4	80.9	80.4	82.3	87 5	77.5
„ 29,	80.0	80.3	79.8	79.2	79.0	80.1	81.5	81.7	83.6	85.4	86.0	88.6	88.8	89.1	88.3	87.1	86.1	84.5	83.6	83.3	82.8	82.3	82.4	82.2	83.6	90.3	79.0
„ 30,	82.0	81.7	81.8	81.3	79.7	80.1	82.0	85.2	85.9	85.7	86.7	89.0	89.4	90.1	89.9	87.2	86.4	85.0	84.2	83.9	83.6	82.6	82.5	82.6	84.5	90.8	79.1
„ 31,	82.7	81.6	81.3	80.8	79.4	81.2	82.7	85.3	86.6	87.9	87.2	86.7	87.0	86.5	86.7	86.3	86.0	84.3	83.8	83.7	83.2	83.3	83.0	83.2	84.2	89.4	79.4
Means,	80.6	80.3	80.1	80.0	79.7	80.0	81.0	82.4	83.4	84.5	84.8	85.1	85.5	85.3	85.0	84.8	84.0	83.0	82.1	81.6	81.5	81.2	81.0	80.8	82.4	87.3	78.7

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF AUGUST, 1896.

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.	Solar Max.
Aug. 1, ...	78.0	78.0	77.9	77.6	77.1	77.0	77.8	78.1	78.3	79.0	78.6	78.6	78.7	78.1	78.7	78.7	78.2	78.5	76.8	77.0	76.6	75.0	75.1	74.8	77.6	143.5
.. 2, ...	75.0	74.8	74.9	75.3	75.0	75.1	75.0	75.4	75.0	77.3	76.2	77.2	77.1	76.9	76.8	77.5	76.7	77.0	76.5	76.4	76.5	76.5	76.4	76.6	76.1	144.4
.. 3, ...	77.0	77.0	77.0	77.4	77.7	77.4	77.4	77.2	77.6	78.3	77.7	77.2	77.0	76.8	77.3	78.1	77.3	77.2	77.0	76.5	76.4	76.8	76.7	77.0	77.2	135.5
„ 4, ...	76.8	76.5	76.4	76.9	76.9	76.8	77.0	77.4	77.8	77.8	78.6	78.9	78.4	78.5	76.6	78.3	78.3	78.0	78.0	78.1	77.6	78.0	77.9	77.2	77.6	110.8
„ 5, ...	77.1	76.9	76.8	76.7	76.8	77.5	77.1	77.2	78.7	78.4	77.7	79.5	80.5	77.9	76.2	76.5	76.5	76.6	76.6	76.6	77.8	78.0	77.8	77.3	77.4	145.9
„ 6, ...	76.2	76.7	76.7	76.4	76.9	76.0	76.7	78.2	77.9	78.2	77.9	78.0	78.7	78.2	77.7	78.7	78.3	78.0	77.0	77.3	77.3	76.8	77.0	77.2	77.4	142.7
„ 7, ...	76.9	76.2	76.2	76.3	75.4	75.8	77.2	76.9	76.9	77.9	78.5	77.9	76.9	78.0	77.8	78.4	78.4	77.8	77.5	78.7	78.4	77.1	77.1	76.7	77.3	141.8
„ 8, ...	76.9	75.7	76.6	76.0	75.1	74.3	76.7	75.2	78.0	76.3	77.6	78.4	78.3	78.6	78.9	79.8	79.6	79.2	78.8	78.6	78.4	78.2	77.8	77.9	77.5	142.7
„ 9, ...	77.8	77.8	77.9	76.9	76.7	77.2	77.9	76.7	76.9	76.8	78.2	77.4	77.5	77.5	77.7	77.8	77.8	76.8	76.4	74.8	73.2	73.7	73.3	73.2	76.6	141.6
„ 10, ...	72.3	74.8	74.3	75.8	76.5	76.5	77.1	76.9	77.1	77.8	78.0	78.6	78.0	78.2	77.6	77.9	78.0	77.8	77.6	77.1	78.6	78.4	77.7	77.2	77.1	139.3
„ 11, ...	77.8	78.1	77.7	77.3	77.2	77.6	77.8	78.0	78.0	78.0	78.0	77.7	78.2	78.2	78.1	78.2	77.6	77.7	77.9	77.5	77.6	77.7	77.8	77.3	77.8	143.9
„ 12, ...	77.0	76.9	76.8	77.2	77.1	76.8	77.0	77.6	77.4	77.7	77.9	79.2	77.7	78.5	77.0	77.8	77.8	77.7	77.5	77.7	76.7	76.6	76.8	75.8	77.3	142.0
„ 13, ...	76.5	76.8	76.9	76.9	76.8	76.6	77.0	77.2	77.8	78.5	78.0	77.7	77.6	78.0	78.6	78.4	77.8	77.2	77.2	77.4	77.3	77.1	77.4	77.0	77.4	141.9
„ 14, ...	76.9	76.7	76.4	76.1	76.0	76.1	77.4	78.1	78.3	78.1	77.0	77.6	78.0	78.7	77.5	79.3	77.9	77.5	77.2	76.3	76.5	76.0	76.3	76.0	77.2	140.5
„ 15, ...	76.0	76.1	76.1	76.8	76.6	76.5	77.6	77.7	77.4	78.2	78.1	79.3	78.7	79.7	79.1	78.0	77.9	78.4	77.9	78.3	78.7	78.5	78.3	78.3	77.8	143.8
„ 16, ...	78.5	77.4	77.1	77.0	77.1	77.4	77.7	77.8	78.0	78.4	78.9	80.3	81.4	80.0	80.8	80.6	80.7	80.2	79.8	79.8	79.7	79.7	79.4	78.2	79.0	142.4
„ 17, ...	78.3	77.9	77.4	77.3	77.5	77.5	77.7	78.1	78.8	78.9	78.9	79.5	78.4	78.3	78.0	78.2	77.5	77.6	77.6	77.7	77.7	77.6	77.8	77.6	78.0	143.4
„ 18, ...	77.1	78.0	78.9	79.0	77.3	78.2	78.7	79.6	78.8	79.3	80.6	80.1	79.5	80.4	79.7	79.2	79.3	78.0	78.3	77.8	77.9	78.0	78.3	78.2	78.8	146.5
„ 19, ...	78.4	78.3	78.2	78.1	78.0	77.8	77.5	77.8	78.0	78.0	78.5	77.7	78.6	79.8	79.0	78.7	79.0	77.7	78.8	78.6	78.2	77.7	78.5	78.8	78.3	148.8
„ 20, ...	78.9	78.8	78.8	78.1	78.7	78.2	78.9	78.6	79.3	78.2	79.4	79.5	78.7	77.5	79.1	78.3	78.6	78.3	78.1	78.4	78.4	78.5	78.6	78.8	78.6	145.0
„ 21, ...	78.7	78.0	77.6	78.0	77.0	77.0	77.8	78.5	79.2	78.2	78.9	79.1	79.0	78.9	78.6	79.0	78.1	77.5	77.7	77.6	78.0	78.1	78.0	77.9	78.2	146.5
„ 22, ...	78.0	78.2	77.7	77.6	77.4	77.5	78.1	78.0	78.1	76.2	78.0	78.8	79.3	78.6	78.3	78.8	77.9	77.7	77.4	77.8	78.3	78.6	79.2	78.3	78.1	149.3
„ 23, ...	77.0	77.8	77.7	77.2	77.5	77.6	77.8	78.3	78.7	78.2	78.9	79.3	78.9	77.1	76.5	77.2	77.8	78.4	78.8	78.9	78.3	78.0	78.4	77.9	78.0	151.5
„ 24, ...	77.7	77.6	77.5	77.6	77.5	77.4	75.0	76.1	77.2	79.3	78.4	79.8	80.0	78.2	77.9	77.6	77.6	76.8	77.2	77.8	78.2	78.1	78.3	77.7	77.8	148.4
„ 25, ...	78.1	78.4	77.7	77.6	77.4	76.0	75.6	75.3	75.7	74.8	76.5	76.6	76.7	76.6	77.1	76.2	76.0	76.1	75.3	75.0	75.4	76.0	76.3	76.8	76.4	137.9
„ 26, ...	76.6	77.3	77.3	76.7	76.7	76.8	77.3	76.8	77.2	77.8	76.6	77.2	76.8	76.7	76.6	76.3	76.7	77.3	76.4	76.5	76.4	76.7	76.4	76.3	76.8	143.7
„ 27, ...	76.7	76.6	75.8	75.8	75.7	77.0	77.2	77.4	77.8	77.7	77.6	77.3	77.7	78.4	78.0	79.0	78.3	77.4	77.7	78.2	77.8	77.5	77.3	76.8	77.4	147.8
„ 28, ...	76.7	76.6	75.8	77.0	76.1	77.0	78.3	78.6	78.0	78.1	78.0	76.8	77.2	77.5	77.9	77.2	77.7	77.8	77.0	77.1	77.8	77.7	77.2	77.1	77.3	145.6
„ 29, ...	77.1	77.2	76.9	76.4	77.1	77.3	79.1	78.9	79.2	79.2	79.4	79.1	79.5	80.7	79.1	79.1	78.7	78.2	78.1	78.3	78.6	78.8	78.5	78.6	78.5	143.6
„ 30, ...	78.4	78.1	78.7	78.4	76.7	78.6	78.1	79.9	80.0	80.2	80.8	80.9	81.1	80.5	80.0	78.7	78.6	78.9	78.1	78.8	78.8	79.4	79.3	79.2	79.2	144.8
„ 31, ...	79.6	78.8	79.0	78.7	78.5	79.3	79.5	80.7	80.7	80.2	80.9	79.6	78.8	79.1	78.6	78.4	78.2	78.6	78.7	78.5	78.4	78.1	78.4	78.5	79.1	143.3
Means, ...	77.2	77.2	77.1	77.1	76.9	77.0	77.5	77.7	78.0	78.1	78.3	78.5	78.5	78.4	78.1	78.3	78.0	77.8	77.6	77.6	77.6	77.5	77.5	77.3	77.7	142.9

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF AUGUST, 1896.

Hour.	Hourly Mean. Humidity.	Hourly Mean. Tension.	Date.	Daily Mean. Humidity.	Daily Mean. Tension.
			1896.		
1 a.	85	0.891	Aug. 1,.....	88	0.911
2 „	87	.895	„ 2,.....	77	.828
3 „	87	.893	„ 3,.....	84	.885
4 „	87	.894	„ 4,.....	84	.899
5 „	88	.889	„ 5,.....	87	.901
6 „	87	.890	„ 6,.....	85	.893
7 „	85	.898	„ 7,.....	79	.871
8 „	80	.888	„ 8,.....	74	.859
9 „	77	.888	„ 9,.....	75	.838
10 „	74	.877	„ 10,.....	85	.884
11 „	74	.883	„ 11,.....	84	.904
Noon.	74	.888	„ 12,.....	81	.877
1 p.	72	.883	„ 13,.....	81	.879
2 „	72	.881	„ 14,.....	77	.863
3 „	72	.871	„ 15,.....	75	.870
4 „	74	.883	„ 16,.....	77	.918
5 „	75	.880	„ 17,.....	74	.875
6 „	78	.885	„ 18,.....	77	.912
7 „	81	.888	„ 19,.....	78	.900
8 „	83	.895	„ 20,.....	82	.922
9 „	83	.896	„ 21,.....	78	.895
10 „	84	.896	„ 22,.....	78	.892
11 „	85	.899	„ 23,.....	80	.897
Midt.	85	.892	„ 24,.....	79	.887
			„ 25,.....	87	.869
			„ 26,.....	84	.873
			„ 27,.....	82	.883
			„ 28,.....	79	.871
			„ 29,.....	79	.908
			„ 30,.....	78	.927
			„ 31,.....	79	.927
Means,.....	80	0.888	Means.	80	0.888

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.
1896.														
Aug. 1,.....	0.1	0.2	0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	10.3
„ 2,.....	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	11.6
„ 3,.....	...	0.8	0.5	...	0.3	...	...	...	0.2	0.2	0.9	0.1	...	3.0
„ 4,.....	...	0.1	...	...	...	0.1	...	...	...	...	...	...	...	0.2
„ 5,.....	...	...	...	0.8	0.4	0.3	...	0.8	...	...	...	...	...	2.3
„ 6, ...	...	0.8	1.0	0.4	0.9	1.0	1.0	1.0	1.0	0.7	1.0	1.0	0.2	10.0
„ 7,.....	0.2	0.9	1.0	0.5	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	10.9
„ 8,.....	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.8
„ 9,.....	0.1	0.9	1.0	0.5	0.5	0.1	...	0.1	0.6	1.0	0.9	0.2	...	5.9
„ 10,.....	...	...	...	...	0.2	0.3	1.0	0.3	0.8	0.9	0.5	0.2	...	4.2
„ 11,.....	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.9	...	10.7
„ 12,.....	...	0.3	1.0	0.7	0.8	0.4	0.9	0.8	0.3	1.0	0.9	1.0	0.1	8.2
„ 13,.....	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.7	0.8	...	10.6
„ 14,.....	...	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
„ 15,.....	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	...	11.1
„ 16,.....	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.8
„ 17,.....	...	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	...	8.7
„ 18,.....	...	...	0.4	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	8.8
„ 19,.....	...	0.3	0.9	0.8	0.7	0.9	0.3	1.0	1.0	0.6	0.6	1.0	0.1	8.2
„ 20,.....	0.1	0.8	0.7	1.0	0.9	0.9	1.0	0.9	0.7	0.6	0.6	0.4	...	8.6
„ 21,.....	0.1	0.4	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	10.6
„ 22,.....	...	0.4	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.7	0.5	0.1	8.9
„ 23,.....	...	0.6	0.9	1.0	0.9	...	0.7	0.8	...	0.7	0.6	0.3	...	6.5
„ 24,.....	...	0.1	0.6	1.0	1.0	0.8	1.0	0.9	0.1	0.4	0.2	...	...	6.1
„ 25,.....	...	...	...	...	...	0.1	0.1	0.1	...	0.7	0.7	1.0	0.1	2.8
„ 26,.....	..	...	0.3	0.2	0.4	...	...	0.9	0.3	...	...	...	...	2.1
„ 27,.....	0.1	1.0	0.9	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	11.0
„ 28,.....	...	0.8	1.0	1.0	1.0	0.7	0.3	...	0.3	1.0	1.0	1.0	0.3	8.4
„ 29,.....	...	0.6	0.5	0.9	0.9	1.0	1.0	0.9	1.0	0.8	1.0	0.8	...	9.4
„ 30,.....	0.2	0.9	0.9	0.5	0.7	0.8	1.0	0.9	0.9	1.0	1.0	1.0	0.3	10.1
„ 31,.....	...	...	1.0	1.0	1.0	0.7	0.9	1.0	1.0	1.0	1.0	0.8	0.3	9.7
Sums,.....	2.3	17.5	22.7	22.8	24.4	22.1	23.2	24.4	22.1	23.8	23.5	20.2	3.8	252.8

TABLE VI.

RAINFALL FOR THE MONTH OF AUGUST, 1896.

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.	Duration Hours.
Aug. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	0.005	...	...	...	...	0.010	...	0.010	0.010	...	...	...	0.005	...	...	...	...	...	...	...	0.015	0.055	2
„ 4,	...	...	...	0.010	...	...	...	...	...	...	...	...	...	...	...	0.020	...	0.010	...	...	...	...	...	...	0.040	1
„ 5,	...	...	...	...	...	...	0.025	...	0.025	...	0.075	...	...	0.175	0.800	...	...	...	...	...	...	...	...	...	1.100	3
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	0.200	0.320	...	...	...	...	...	0.080	...	0.190	...	...	0.060	0.850	4
„ 10,	...	0.005	0.095	...	...	0.025	...	...	0.125	0.035	0.055	0.005	0.005	...	...	...	0.010	0.010	0.105	0.250	0.270	...	...	...	0.995	6
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	0.145	0.005	...	0.040	0.015	...	...	...	...	...	...	0.015	...	...	...	...	...	...	0.065	...	0.010	...	0.295	4
„ 21,	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.170	...	...	...	...	...	...	...	...	...	0.180	1
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	0.010	0.390	0.360	0.200	0.420	0.070	0.060	...	...	0.010	0.010	...	...	...	...	...	...	...	...	...	...	1.530	8
„ 26,	...	...	...	...	...	...	...	0.010	0.010	...	0.070	0.020	...	...	...	...	...	...	...	...	...	...	...	...	0.110	1
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	0.015	...	0.015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.030	1
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.010	0.005	0.240	0.045	0.390	0.440	0.240	0.430	0.240	0.095	0.210	0.235	0.335	0.210	0.970	0.025	0.010	0.020	0.185	0.250	0.525	...	0.010	0.075	5.195	31

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF AUGUST, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Aug. 1	8	15	8	17	9	16	9	15	11	10	12	14	9	10	8	20	8	16	8	19	9	19	8	16	8	20	8	18	9	18	8	19	9	14	10	11	9	9	9	10	9	7	10	4	9	3	9	2	322	13.4	9
" 2	9	4	9	5	8	2	...	1	...	1	...	0	10	6	9	7	8	10	9	10	10	10	9	14	9	16	9	13	10	15	10	13	10	16	8	14	7	9	8	9	6	11	7	13	7	13	7	18	230	9.6	9
" 3	9	23	8	18	6	17	7	17	7	16	6	15	5	17	5	19	7	20	5	17	6	32	6	24	7	19	9	12	7	25	8	26	9	24	7	24	6	23	6	25	6	30	7	34	8	40	9	40	557	23.2	7
" 4	9	38	8	38	9	41	9	39	10	30	10	33	11	33	11	30	11	31	12	32	11	28	12	39	12	37	12	33	12	28	13	24	12	29	12	35	13	30	10	33	12	36	12	29	12	30	12	28	784	32.7	11
" 5	12	28	12	23	13	23	13	19	13	21	14	21	14	12	13	13	13	16	14	15	13	12	13	11	10	14	19	11	14	10	13	3	6	4	9	8	8	11	8	10	9	15	9	16	8	15	9	11	342	14.2	12
" 6	11	10	13	10	13	9	12	6	10	6	11	9	11	9	9	7	9	9	8	15	8	13	8	18	8	18	8	17	8	19	8	12	8	15	8	11	8	10	9	10	10	7	12	5	10	6	10	8	259	10.8	9
" 7	10	4	10	3	...	1	...	0	10	3	...	0	...	1	11	3	21	5	23	6	25	5	24	6	24	6	24	6	24	4	10	6	9	7	3	4	32	4	32	2	31	2	31	2	7	6	10	3	89	3.7	28
" 8	...	0	...	1	10	3	...	1	...	0	...	1	...	0	...	0	10	4	21	4	23	9	23	12	23	12	24	19	25	17	24	13	23	11	24	10	24	7	3	13	8	25	8	16	7	13	7	7	198	8.3	25
" 9	7	2	12	5	7	5	8	5	6	10	31	4	1	2	3	15	3	24	3	33	5	48	5	53	5	53	6	56	6	55	5	63	6	66	6	59	7	56	9	55	11	58	10	51	11	49	12	48	875	36.5	7
" 10	11	43	9	39	9	38	9	45	11	41	12	38	11	38	10	44	10	36	12	36	10	38	9	47	9	42	11	34	11	27	11	26	11	19	9	18	10	17	10	19	10	28	9	30	9	26	9	24	793	33.0	10
" 11	9	22	9	21	8	22	9	16	9	14	8	13	8	15	9	18	9	17	9	12	8	15	9	15	9	14	10	14	10	14	10	16	9	14	10	13	10	9	10	9	10	10	10	6	9	6	8	8	333	13.9	9
" 12	10	7	10	4	...	1	...	1	...	0	10	2	...	0	...	1	30	3	30	2	27	2	6	5	8	11	15	6	9	6	7	5	25	4	12	6	13	6	10	6	9	10	9	4	...	0	10	3	95	4.0	9
" 13	11	2	11	3	...	1	...	0	11	3	10	5	8	7	8	12	10	7	10	10	8	15	8	13	9	14	12	10	9	12	14	10	15	7	15	7	15	8	15	5	15	5	15	2	10	3	10	2	163	6.8	11
" 14	...	0	10	2	10	2	...	0	...	1	...	0	10	2	7	4	...	1	11	5	6	2	23	7	25	9	23	7	18	6	20	6	18	7	18	7	18	2	18	2	18	2	...	0	18	3	...	0	77	3.2	19
" 15	2	2	2	2	26	4	23	8	24	7	25	4	25	5	24	7	22	8	24	11	23	10	21	11	22	10	23	10	22	9	22	8	23	7	23	6	23	2	19	2	17	3	28	3	29	3	20	11	153	6.4	17
" 16	20	10	22	9	23	10	21	9	25	8	...	1	...	1	24	4	26	5	24	9	21	9	23	9	22	8	21	11	17	11	17	10	20	6	18	6	14	5	14	6	15	5	16	5	15	7	16	7	171	7.1	20
" 17	19	10	21	11	20	9	21	5	21	9	20	5	19	5	19	8	20	16	20	8	22	9	23	10	21	11	22	10	18	10	21	8	17	11	18	6	17	4	18	2	...	1	...	1	21	4	18	2	169	7.0	20
" 18	...	1	...	1	18	3	18	3	20	4	18	3	26	5	26	6	22	7	24	9	24	10	21	10	23	12	24	10	19	7	16	10	17	9	16	9	15	6	15	7	15	2	15	3	15	3	14	5	145	6.0	20
" 19	...	1	14	3	14	6	14	5	14	6	14	6	11	4	15	7	14	8	14	9	14	12	9	13	8	15	8	21	8	19	8	19	9	17	10	17	10	14	9	13	10	16	10	14	9	16	10	16	277	11.5	10
" 20	9	16	9	16	10	13	9	12	10	12	13	9	11	10	9	12	9	16	8	19	8	17	7	19	9	20	8	14	8	17	9	15	10	16	7	12	7	15	7	15	8	17	8	18	9	19	8	21	370	15.4	9
" 21	8	21	9	19	9	20	8	19	9	15	8	16	7	13	8	14	8	17	9	16	10	18	10	16	10	14	9	16	10	16	9	16	9	13	9	11	8	8	10	5	9	4	9	4	9	5	11	4	320	13.3	9
" 22	11	4	...	0	...	0	...	0	...	1	11	3	8	6	3	9	8	12	8	15	10	17	10	16	10	15	9	16	9	17	9	17	9	12	9	11	10	11	10	10	10	6	9	6	7	4	9	7	215	9.0	9
" 23	11	7	11	3	11	6	10	9	11	5	11	3	11	2	...	1	11	6	9	10	30	5	21	6	13	5	7	10	14	7	6	5	5	2	5	2	5	6	6	2	9	3	9	2	9	3	...	0	110	4.6	9
" 24	...	0	...	1	...	0	...	1	...	0	10	3	9	10	9	2	9	2	24	7	24	10	24	9	24	8	26	8	26	7	25	6	26	6	24	4	24	2	...	1	32	2	...	0	32	2	8	5	96	4.0	25
" 25	6	4	10	6	8	10	10	4	3	6	4	6	31	7	27	8	8	7	6	4	27	5	26	10	18	5	7	6	8	4	7	3	...	0	8	3	10	6	9	6	9	11	6	7	9	9	9	6	143	6.0	7
" 26	10	2	...	1	10	4	10	6	11	2	...	1	...	1	3	3	15	2	10	7	1	8	30	3	24	3	7	13	8	11	10	6	10	6	10	10	11	6	11	5	10	2	...	0	...	1	...	0	103	4.3	9
" 27	10	2	...	1	8	8	9	6	8	4	...	0	8	2	...	1	30	3	9	7	10	13	10	17	10	18	9	18	10	18	9	17	8	16	9	21	9	16	8	12	10	10	10	7	13	7	13	5	229	9.5	9
" 28	13	7	13	5	11	5	11	3	6	3	6	3	...	0	7	3	9	10	8	12	8	15	8	16	8	15	11	9	10	8	15	8	13	7	10	10	10	8	10	5	13	5	13	6	13	5	13	3	171	7.1	10
" 29	13	2	...	0	...	0	13	3	...	0	13	2	...	1	13	2	13	2	13	5	24	7	24	7	24	10	25	8	16	10	16	9	16	8	15	10	15	7	15	4	15	3	15	2	...	1	15	2	105	4.4	17
" 30	...	0	...	0	...	0	...	0	17	5	29	4	...	0	...	1	29	2	29	3	25	6	25	8	25	11	23	10	16	10	17	11	17	9	17	8	15	4	15	5	16	3	16	3	15	5	15	3	111	4.6	19
" 31	...	1	15	2	15	2	15	3	...	1	...	1	15	3	12	4	9	5	10	9	9	15	8	18	8	15	8	17	8	15	9	15	9	17	10	15	12	12	11	11	12	11	10	8	8	12	8	12	224	9.3	9
Sums	...	288	...	269	...	281	...	261	...	244	...	225	...	227	...	285	...	321	...	376	...	434	...	478	...	480	...	463	...	452	...	425	...	399	...	388	...	333	...	319	...	350	...	301	...	319	...	311	8229	342.9	...
Means	...	9.3	...	8.7	...	9.1	...	8.4	...	7.9	...	7.3	...	7.3	...	9.2	...	10.4	...	12.1	...	14.0	...	15.4	...	15.5	...	14.9	...	14.6	...	13.7	...	12.9	...	12.5	...	10.7	...	10.3	...	11.3	...	9.7	...	10.3	...	10.0	265.5	11.1	...

TABLE VIII.

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
1896.												
Aug. 1, ...	10	cum.	ESE	8	cum.	SE	8	cum.	SE	8	c-cum. / cum.	SE
„ 2, ...	1	cum.	...	0	...	...	1	cum.	...	0	...	...
„ 3, ...	5	sm-cum. / cum.	ENE / E	8	nim.	E	5	cum.	ENE	9	c-str. / c-cum. / cum.	ENE
„ 4, ...	8	cum.	E	10	nim.	ESE	9	cum.	SE	9	c-cum. / cum.	SE
„ 5, ...	8	cum-nim.	SSE	10	cum.	SSE	8	c-cum. / cum.	SSE	9	c-cum. / cum. / cum.	.. / S / S
„ 6, ...	8	cum.	SSE	8	cum.	SSE	2	sm-cum. / cum.	SSE	6	c-str. / cum.	NNE / SSE
„ 7, ...	0	...	...	0	...	...	5	cum.	E	5	cum.	ESE
„ 8, ...	0	...	...	0	...	...	3	c-cum. / fog.	...	2	c-str.	...
„ 9, ...	9	cum.	...	8	cum.	...	4	c-cum. / sm-cum.	E	10	cum.	ENE
„ 10, ...	10	str-cum.	SE	10	str-cum.	SE	10	cum.	SE	9	c-cum. / cum.	SE
„ 11, ...	7	cum-nim.	SE	3	cum.	...	7	c-cum. / cum.	SE	8	c-str. / cum.	E / ESE
„ 12, ...	3	cum.	...	2	cum.	...	7	c-str. / cum.	E / S	9	c-str. / cum.	ESE
„ 13, ...	1	cum.	...	7	cum.	E	2	c-cum. / cum.	ENE / ..	3	c-cum. / cum. / cum.	.. / E / S
„ 14, ...	0	...	...	0	...	...	1	cum.	...	6	cum. / cum.	S / ..
„ 15, ...	0	...	...	1	cum.	...	0	...	...	7	c-str. / cum.	ENE / W
„ 16, ...	1	cum.	...	0	...	...	0	...	...	1	c-cum. / cum.	W
„ 17, ...	7	c-str. / cum.	...	2	c-str.	...	7	c-str. / sm-cum. / cum.	SW	7	c-cum. / cum.	SW
„ 18, ...	0	...	...	2	cum.	...	5	cum. / nim.	WSW	7	c-cum. / cum.	WSW
„ 19, ...	8	c-cum. / cum.	...	4	cum.	...	6	c-cum. / cum.	S	8	c-cum. / cum.	S
„ 20, ...	9	c-str. / cum.	ESE	7	cum-nim.	...	7	c-cum. / cum.	SE	8	c-str. / cum.	ESE
„ 21, ...	8	cum-nim.	ESE	2	cum.	SE	7	c-cum. / cum.	ESE	3	c-str. / cum.	ESE
„ 22, ...	10	c-str. / cum.	ESE / ..	5	c-str. / cum.	...	9	c-cum. / cum.	E	5	c-cum. / cum.	E / E
„ 23, ...	10	cum.	SE	10	cum.	ESE	9	c-cum. / sm-cum. / cum.	E	9	c-cum. / sm-cum. / cum.	...
„ 24, ...	10	c-str.	N	10	sm-cum.	NNE	10	c-cum. / cum. / cum-nim.	...	8	c-cum. / cum.	...
„ 25, ...	9	c-cum. / sm-cum. / cum.	...	10	nim.	...	10	nim.	E	10	nim.	...
„ 26, ...	2	cum.	ESE	3	sm-cum. / cum.	E	9	sm-cum. / cum.	SE	9	c-cum. / cum.	SE
„ 27, ...	6	c-cum. / cum.	NE	9	sm-cum.	NNE	2	c-cum. / cum.	ENE / ..	7	c-cum. / cum.	ENE
„ 28, ...	1	cum.	...	8	nim.	SE	3	c-cum. / cum.	ESE	7	c-cum. / cum.	ESE
„ 29, ...	1	cum.	SSE	2	cum.	SSE	7	c-cum. / cum.	SSW	4	cum.	S
„ 30, ...	8	c-cum. / cum.	S	3	c-cum. / cum.	S	7	c-cum. / cum.	NNW / ..	8	c-str. / cum.	N / SSE
„ 31, ...	2	c-cum. / cum.	SSW	8	sm-cum. / cum.	...	8	sm-cum. / cum.	E / ..	3	cum.	S
Means,..	5.2	...	...	5.2	...	...	5.7	...	...	6.6	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
Aug. 1,...	2	cum.	...	2	cum.	ESE.	0	...	...	0	...	...	4.7
„ 2,...	0	...	...	1	c-str.	...	3	c-cum.	...	0	...	...	0.8
„ 3,...	9	c-cum. / cum-nim.	...	8	sm-cum. / cum.	E / E	10	sm-cum. / cum.	E	7	str-cum.	E	7.6
„ 4,...	10	cum. / cum-nim.	SSE / SE	10	nim.	SSE	10	cum-nim.	SSE	10	cum-nim.	SSE	9.5
„ 5,...	9	cum.	SSE	10	cum-nim.	S	10	str. / cum.	...	4	cum.	SSE	8.5
„ 6,...	4	cum.	SSE	2	c-cum. / cum.	SSE	3	c-cum. / sm-cum.	...	0	...	...	4.1
„ 7,...	3	cum.	ESE	1	cum.	...	1	c-str.	...	0	...	...	1.9
„ 8,...	2	c-cum. / cum.	NNE	2	c-cum. / cum.	NNE	5	c-str. / cum.	NE	1	c-str.	...	1.9
„ 9,...	10	sm-cum. / R-cum.	E / E	8	c-cum. / cum.	ESE / E	10	nim.	E	10	cum.	ESE	8.6
„ 10,...	9	cum.	SE	9	cum.	SE	9	c-cum. / cum.	SE	7	cum.	SE	9.1
„ 11,...	6	c-cum. / cum.	E / ..	9	c-cum. / cum.	E / ..	2	c-cum. / cum.	...	1	cum.	...	5.4
„ 12,...	9	c-str. / cum.	ESE	7	c-str. / cum.	E / ESE	7	c-str.	ENE	9	str-cum.	...	6.6
„ 13,...	2	c-cum. / cum.	...	5	c-cum. / cum.	S	1	cum.	S	0	...	...	2.6
„ 14,...	2	cum.	...	2	cum.	...	0	...	...	0	...	...	1.4
„ 15,...	7	c-str. / cum.	EN / ..	7	c-str.	ENE	10	c-cum.	...	9	c-cum. / cum.	...	5.1
„ 16,...	1	cum.	...	6	c-cum. / cum.	W	9	c-cum. / cum.	...	8	c-cum. / cum.	...	3.2
„ 17,...	7	c-str. / cum.	W	8	c-str.	ENE	8	c-str. / cum.	...	7	c-cum.	...	6.6
„ 18,...	7	c-str. / cum.	NE / SW	8	c-str. / cum.	ENE / SW	8	c-str. / cum.	...	9	c-cum. / cum.	SSW	5.8
„ 19,...	5	c-cum. / cum.	S	8	c-cum. / cum. / cum.	.. / S / ESE	9	c-str. / cum.	ESE	9	c-str. / cum.	ESE	7.1
„ 20,...	8	c-cum. / cum.	SE	8	c-str. / cum.	ENE / ESE	8	c-str. / cum.	ESE	5	c-str. / cum.	ESE	7.5
„ 21,...	3	c-cum. / cum.	SE	1	c-cum. / cum.	ESE	2	c-cum. / cum.	NE / ..	1	c-cum. / cum.	E	3.4
„ 22,...	8	c-cum. / cum.	ENE / ..	7	c-cum. / cum.	ENE / SE	9	c-str. / cum.	...	10	c-str. / cum.	...	7.9
„ 23,...	9	c-cum. / cum.	ESE	9	sm-cum. / cum.	N / ..	10	str. / cum.	N	8	sm-cum.	...	9.2
„ 24,...	9	c-str. / c-cum. / cum.	.. / NNE / SSW	7	c-str. / sm-cum. / cum.	NNE / .. / ..	9	sm-cum. / cum.	...	10	c-str. / sm-cum.	...	9.1
„ 25,...	10	nim.	...	5	c-cum.	N	8	c-cum.	...	10	sm-cum. / cum.	N / ..	9.0
„ 26,...	5	c-cum. / sm-cum. / cum.	.. / NNE / ..	8	c-cum.	...	7	c-cum. / sm-cum.	NNE	4	c-cum.	NNE	5.9
„ 27,...	2	cum.	...	3	c-cum. / cum.	E	3	c-cum. / cum.	E	4	cum.	SE	4.5
„ 28,...	9	sm-cum. / cum.	SE	4	c-cum. / cum.	N / E	0	...	...	1	cum.	...	4.1
„ 29,...	3	c-cum. / cum.	W	4	c-cum. / cum.	N / S	3	c-cum.	...	4	c-cum. / cum.	...	3.5
„ 30,...	7	c-cum. / cum.	S	7	c-cum. / cum.	WSW	3	c-cum. / cum.	...	0	...	...	5.4
„ 31,...	2	cum.	ESE	2	c-str.	...	3	c-cum. / cum.	ESE	0	...	...	3.5
Means,...	5.8	...	...	5.7	...	...	5.8	...	...	4.8	...	...	5.6

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF AUGUST, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.1	7.7	3.4	0.4	− 3.3	+ 7.3	E 24° S
2 „	0.1	7.1	2.4	0.5	2.3	6.6	E 20° S
3 „	0.3	7.3	2.6	0.7	2.3	6.6	E 19° S
4 „	0.1	6.8	2.5	0.6	2.4	6.2	E 21° S
5 „	0.5	5.6	3.1	0.8	2.6	4.8	E 28° S
6 „	0.6	5.0	3.3	0.4	2.7	4.6	E 30° S
7 „	0.7	5.5	2.5	0.5	1.8	5.0	E 20° S
8 „	1.3	6.8	2.4	0.9	1.1	5.9	E 10° S
9 „	1.1	7.8	2.9	1.0	1.8	6.8	E 15° S
10 „	1.3	8.3	3.4	1.7	2.1	6.6	E 18° S
11 „	1.9	9.9	3.0	2.6	1.1	7.3	E 9° S
Noon.	1.7	10.9	3.0	3.2	1.3	7.7	E 10° S
1 p.	1.2	11.2	3.1	3.2	1.9	8.0	E 13° S
2 „	1.0	10.4	3.3	3.3	2.3	7.1	E 18° S
3 „	1.0	10.6	4.5	1.5	3.5	9.1	E 21° S
4 „	1.3	9.7	4.3	1.3	3.0	8.4	E 20° S
5 „	1.0	9.4	4.2	1.3	3.2	8.1	E 22° S
6 „	1.1	9.4	3.9	0.9	2.8	8.5	E 19° S
7 „	1.0	8.3	3.4	0.4	2.4	7.9	E 17° S
8 „	0.9	8.7	3.0	0.1	2.1	8.6	E 14° S
9 „	0.6	9.3	4.3	0.1	3.7	9.2	E 22° S
10 „	0.5	8.3	2.8	0.1	2.3	8.2	E 16° S
11 „	0.3	8.7	3.2	0.2	2.9	8.5	E 19° S
Midt.	0.1	8.2	3.8	0.3	− 3.7	+ 7.9	E 25° S
Means, ...	0.8	8.4	3.3	1.1	−2.44	+ 7.29	E 19° S

PHENOMENA :—

Solar halo :—on the 3rd, 6th, 11th, 12th, 13th, 15th, 17th, 20th, 25th and 30th.

Solar corona :—on the 8th.

Lunar halo :—on the 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd and 24th.

Lunar corona :—on the 15th, 19th, 20th, 22nd, 23rd, 24th, 25th and 30th.

Fog :—on the 14th.

Slight fog :—on the 2nd, 27th, 29th and 30th.

Haze :—on the 1st, 7th, 8th, 12th, 13th, 15th, 16th, 24th, 26th and 28th.

Unusual Visibility :—on the 2nd, and 31st.

Dew :—on the 2nd, 7th, 8th, 9th, 12th, 13th, 14th, 18th, 21st, 22nd, 24th, 27th, 28th, 29th and 30th.

Rainbow :—on the 3rd, 18th, 28th and 29th.

Lightning without thunder :—on the 2nd, 3rd, 4th, 7th, 8th, 9th, 10th, 11th, 12th, 15th, 16th, 17th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 30th and 31st.

Thunder without lightning :—on the 3rd.

Thunderstorms :—on the 5th, 1.30 p.—3.15 p., SW-NE, nearest at 2.55 p. (6^s).

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF SEPTEMBER, 1896.

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,...	29.607	29.589	29.573	29.575	29.566	29.567	29.590	29.600	29.600	29.595	29.584	29.577	29.551	29.532	29.508	29.500	29.518	29.490	29.523	29.541	29.561	29.568	29.568	29.563	29.560
„ 2,...	.549	.539	.541	.532	.541	.552	.572	.598	.603	.616	.613	.609	.594	.580	.576	.560	.562	.573	.605	.623	.660	.649	.660	.651	.590
„ 3,...	.639	.625	.621	.623	.623	.626	.645	.669	.692	.689	.689	.666	.652	.634	.624	.617	.618	.624	.640	.662	.680	.693	.699	.699	.652
„ 4,...	.697	.673	.668	.675	.682	.690	.717	.730	.734	.720	.713	.687	.662	.640	.623	.626	.614	.630	.640	.662	.679	.688	.686	.675	.675
„ 5,...	.661	.653	.647	.649	.644	.654	.680	.695	.700	.709	.692	.664	.640	.619	.595	.589	.589	.591	.616	.639	.651	.690	.671	.656	.650
„ 6,...	.652	.643	.626	.627	.633	.634	.646	.683	.699	.700	.677	.644	.622	.600	.583	.584	.600	.610	.626	.642	.667	.681	.661	.651	.641
„ 7,...	.653	.651	.643	.637	.633	.643	.652	.665	.669	.672	.672	.665	.644	.636	.620	.613	.621	.619	.652	.669	.681	.692	.681	.668	.652
„ 8,...	.662	.648	.642	.642	.641	.648	.656	.671	.688	.700	.686	.676	.658	.646	.630	.627	.623	.634	.648	.671	.693	.697	.698	.679	.661
„ 9,...	.666	.659	.649	.646	.642	.658	.684	.698	.693	.695	.688	.669	.652	.634	.631	.629	.633	.645	.665	.692	.710	.718	.712	.701	.670
„ 10,...	.689	.672	.659	.649	.657	.664	.680	.694	.697	.717	.713	.694	.678	.666	.648	.657	.666	.668	.686	.698	.707	.708	.707	.701	.682
„ 11,...	.692	.672	.669	.670	.682	.694	.708	.728	.731	.724	.728	.709	.693	.677	.658	.655	.660	.689	.701	.713	.721	.723	.723	.720	.697
„ 12,...	.710	.696	.687	.684	.686	.700	.713	.736	.735	.734	.728	.714	.693	.672	.655	.647	.668	.675	.687	.699	.717	.719	.715	.701	.699
„ 13,...	.695	.691	.697	.689	.679	.686	.704	.722	.748	.748	.726	.701	.698	.687	.687	.685	.693	.693	.714	.743	.755	.760	.743	.736	.712
„ 14,...	.717	.707	.701	.701	.709	.736	.760	.771	.773	.792	.772	.777	.764	.739	.726	.715	.716	.717	.732	.753	.766	.767	.768	.756	.743
„ 15,...	.741	.724	.712	.712	.714	.716	.747	.762	.762	.771	.766	.752	.739	.714	.704	.698	.708	.704	.719	.725	.740	.758	.762	.750	.733
„ 16,...	.720	.696	.685	.685	.685	.681	.703	.722	.731	.753	.756	.748	.720	.704	.708	.711	.703	.723	.734	.754	.780	.781	.769	.750	.725
„ 17,...	.744	.732	.716	.724	.732	.738	.747	.769	.787	.799	.790	.782	.767	.754	.754	.749	.756	.769	.784	.797	.823	.817	.814	.809	.769
„ 18,...	.797	.779	.763	.751	.757	.753	.787	.792	.799	.811	.810	.793	.777	.763	.736	.737	.751	.742	.760	.766	.776	.782	.774	.773	.772
„ 19,...	.767	.763	.744	.737	.745	.761	.774	.791	.806	.800	.799	.776	.751	.741	.727	.716	.711	.714	.731	.750	.760	.776	.776	.775	.758
„ 20,...	.759	.749	.741	.739	.749	.761	.773	.795	.810	.812	.808	.783	.766	.750	.738	.744	.746	.745	.765	.785	.804	.821	.815	.800	.773
„ 21,...	.772	.768	.754	.746	.742	.754	.770	.792	.810	.809	.800	.770	.745	.722	.709	.697	.695	.698	.710	.736	.756	.760	.752	.752	.751
„ 22,...	.743	.734	.713	.711	.736	.748	.754	.760	.757	.749	.748	.721	.701	.687	.682	.683	.687	.696	.717	.741	.749	.757	.755	.729	.727
„ 23,...	.720	.719	.709	.718	.746	.756	.778	.799	.799	.813	.799	.762	.755	.745	.731	.751	.756	.767	.767	.795	.805	.813	.817	.815	.768
„ 24,...	.801	.794	.781	.777	.783	.802	.821	.842	.852	.857	.846	.835	.807	.803	.791	.800	.801	.793	.794	.816	.831	.836	.836	.825	.814
„ 25,...	.816	.808	.798	.800	.800	.824	.840	.850	.858	.857	.847	.829	.801	.793	.776	.777	.788	.793	.799	.823	.840	.842	.848	.841	.819
„ 26,...	.839	.819	.817	.820	.823	.822	.841	.866	.863	.866	.856	.832	.808	.785	.779	.779	.775	.774	.784	.804	.820	.822	.823	.823	.818
„ 27,...	.809	.801	.789	.795	.797	.813	.831	.859	.867	.860	.854	.826	.807	.791	.778	.777	.783	.791	.795	.817	.826	.834	.830	.819	.815
„ 28,...	.813	.805	.793	.791	.800	.825	.843	.861	.866	.860	.860	.829	.807	.787	.787	.780	.781	.791	.795	.809	.820	.835	.833	.833	.817
„ 29,...	.821	.811	.799	.799	.807	.823	.857	.881	.893	.894	.874	.842	.812	.790	.776	.777	.770	.780	.793	.835	.855	.839	.845	.833	.825
„ 30,...	.823	.815	.799	.800	.804	.825	.829	.849	.851	.854	.844	.828	.805	.786	.767	.758	.760	.753	.773	.785	.797	.799	.799	.789	.804
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,.....	29.726	29.714	29.705	29.703	29.708	29.718	29.737	29.755	29.762	29.766	29.758	29.739	29.719	29.703	29.690	29.688	29.692	29.696	29.712	29.732	29.748	29.754	29.751	29.742	29.726

TABLE II.

TEMPERATURE FOR THE MONTH OF SEPTEMBER, 1896.

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,.....	83.0	82.7	82.5	80.3	79.7	79.6	79.8	82.6	84.7	86.0	86.7	84.5	85.4	85.6	84.4	80.9	83.5	82.0	82.2	82.2	80.2	81.7	81.7	82.1	82.7	87 5	78.9
„ 2,.....	81.8	81.0	79.6	80.5	79.8	80.8	82.1	79.9	84.4	85.9	86.1	83.0	83.4	84.7	79.8	82.3	83.7	83.0	82.4	81.7	81.6	81.8	81.8	81.9	82.2	87.5	78.7
„ 3,.....	82.3	82.5	81.5	81.2	81.3	81.8	83.9	84.5	85.7	85.9	86.0	85.1	88.2	88.4	88.4	87.6	86.0	84.3	83.6	84.1	83.7	83.3	82.9	82.5	84.4	89.7	81.2
„ 4,.....	82.2	81.8	81.5	81.6	81.0	81.9	83.7	84.6	85.8	86 9	86.7	88.1	89.0	89.6	87.8	87.9	86.4	85.3	84.7	84.2	83.1	83.6	83.5	82.7	84.7	90.6	80.9
„ 5,.....	83.0	82.8	81.9	81.5	81.2	81.5	82.0	83.7	84.6	86.0	86.5	86.2	86.7	87.0	87.2	87.7	86.5	85.7	84.7	83.9	83.9	80.7	79.9	79.4	84.0	89.5	78.3
„ 6,.....	79.6	79.8	80.1	80.0	79.8	79.7	77.1	77.0	79.0	80.8	82.7	84.1	85.5	84.7	84.5	85.2	84.5	82.7	82.6	82.0	81.5	81.4	80.5	80.6	81.5	86.6	75.9
„ 7,.....	80.2	80.2	80.0	79.6	79.4	78.9	79.8	80.2	80.6	85.2	85.6	83.3	83.6	81.0	81.5	82.2	81.7	78.1	79.5	80.1	79.9	79.7	79.8	79.4	80.8	87.6	77.9
„ 8,.....	79.2	79.1	79.5	79.4	79.5	79.4	80.0	80.9	82.1	82.5	81.2	81.8	80.2	81.9	81.8	81.9	81.7	81.2	79.8	80.4	80.2	79.5	78.9	77.5	80.4	84.0	77.2
„ 9,.....	77.2	77.4	76.7	76.6	76.4	77.0	79.7	81.1	82.9	84.2	85.5	85.7	85.3	84.5	83.5	82.2	80.3	79.8	79.2	78.7	78.6	78.3	77.7	78.2	80.3	87.4	76.2
„ 10,.....	77.5	76.6	76.5	76.4	76.0	76.6	78.9	81.6	82.9	84.7	85.5	86.9	88.5	85.7	85.5	84.1	83.2	82.7	80.7	80.3	79.5	79.7	78.7	78.0	81.1	88.5	76.0
„ 11,.....	77.6	77.3	76.8	76.6	76.1	76.4	79.8	81.9	82.9	84.7	85.2	85.0	84.4	84.3	83.7	82.7	82.2	81.8	81.2	81.6	81.1	81.3	79.3	80.7	81.0	85.9	76.1
„ 12,.....	80.3	79.9	78.7	78.5	78.6	78.7	80.2	82.0	84.1	84.1	85.7	86.0	84.7	83.9	83.8	83.9	82.9	82.6	82.5	82.7	83.0	82.7	82.6	82.2	82.3	86.8	78.1
„ 13,.....	81.5	81.4	80.7	80.6	80.0	79.9	80.6	81.8	80.6	78.4	79.6	82.4	82.8	82.6	82.6	82.4	81.8	80.8	81.2	80.6	81.6	82.0	81.3	81.0	81.2	82.8	78.2
„ 14,.....	80.8	80.9	80.8	80.7	80.6	80.2	80.2	81.5	80.6	80.9	82.4	77.8	77.8	78.5	79.0	79.1	79.7	80.7	80.0	80.7	80.2	80.8	80.7	80.8	80.2	82.4	77.8
„ 15,.....	80.4	80.6	80.4	80.5	80.2	80.1	79.9	80.5	81.1	81.7	82.5	83.0	83.3	82.5	81.9	81.9	81.9	81.6	81.8	80.8	81.6	80.5	80.0	78.0	81.1	83.6	77.6
„ 16,.....	79.1	79.8	76.8	78.4	76.7	79.1	77.3	76.7	79.0	76.7	78.5	75.8	79.9	79.6	79.2	78.9	79.4	78.6	78.2	77.6	78.9	78.2	79.2	78.4	78.3	80.3	75.8
„ 17,.....	78.8	79.4	76.6	77.7	76.6	77.9	79.5	79.7	78.0	77.4	78.0	78.7	78.1	76.8	77.6	78.1	78.3	78.0	78.6	78.6	78.3	78.7	79.5	79.6	78.3	79.7	76.1
„ 18,.....	79.6	79.6	79.9	79.9	80.1	80.0	78.3	79.0	80.2	81.1	77.0	76.6	79.1	78.8	80.4	80.8	80.2	79.7	79.3	79.6	79.2	78.9	78.9	78.8	79.4	81.5	76.2
„ 19,.....	78.9	78.7	78.8	78.7	78.6	78.1	79.4	80.6	81.3	81.2	81.8	81.7	82.1	81.9	81.6	81.3	80.4	79.8	79.3	79.3	79.0	78.8	78.7	78.5	79.9	82.5	77.3
„ 20,.....	78.6	78.6	79.1	78.8	79.5	79.6	80.7	81.7	82.2	83.2	83.2	82.7	83.5	82.9	82.7	82.6	82.1	80.8	80.6	80.2	80.6	80.8	80.6	80.2	81.1	84.3	78.2
„ 21,.....	80.2	79.8	79.7	79.5	79.4	79.2	80.2	82.5	82.8	83.1	83.9	84.9	85.1	85.0	84.9	83.2	83.2	81.9	80.9	80.1	79.6	79.1	78.9	78.5	81.5	86.2	78.5
„ 22,.....	78.9	78.0	78.2	78.0	78.3	78.2	79.8	81.5	82.6	83.7	85.4	85.7	87.1	88.1	85.0	83.6	84.0	83.5	82.2	81.6	81.2	80.8	80.6	80.2	81.9	88.9	77.9
„ 23,.....	79.8	79.7	79 5	79.5	80.3	77.3	77.7	78.0	77.8	79.2	81.6	83.5	84.2	83.0	82.2	81.3	81.0	80.4	80.1	79.6	79.6	80.5	80.3	80.6	80.3	85.2	76.7
„ 24,.....	80.4	80.3	79.8	79.9	80.2	80.3	81.4	81.6	83.2	82.6	83.7	83.6	83.8	83.0	82.6	78.6	78.9	79.2	79.2	79.4	79.6	80.0	79.3	79.4	80.8	85.0	77.5
„ 25,.....	79.3	79.6	79.7	79.6	79.6	79.7	81.9	84.0	83.5	85.1	84.2	84.8	86.1	85.5	86.0	85.2	83.0	81.9	81.2	80.7	80.1	80.1	79.8	79.8	82.1	87.5	79.2
„ 26,.....	79.2	79.6	79.2	78.9	78.6	78.4	81.4	83.5	85.6	85.3	85.4	86.1	86.9	87.6	85.7	85.6	84.0	82.3	81.5	81.3	81.2	80.7	80.5	80.9	82.5	88.9	78.2
„ 27,.....	79.7	79.4	78.9	78.8	79.0	78.9	82.1	83.9	84.8	85.6	86.8	85.2	86.1	84.8	84.6	85.2	84.1	82.9	82.4	81.6	81.3	80.8	80.5	80.4	82.4	89.1	78.8
„ 28,.....	80.6	80.6	80.2	79.9	79.4	78.8	80.8	84.0	85.9	86.6	87.1	86.5	87.2	87.8	86.2	86.4	84.2	83.7	82 8	82.4	81.6	81.4	80.7	80.6	83.1	89.0	78.7
„ 29,.....	80.5	80.2	80.7	80.2	80.0	79.9	80.9	82.7	83.7	84.2	84.4	86.2	86.0	88.0	87.2	86.3	85.0	83.2	82.3	81.6	82.3	81.4	80.6	80.8	82.8	88.9	79.3
„ 30,.....	80.6	80.6	80.4	80.2	79.2	78.9	80.8	81.3	82.4	83.8	86.1	85.9	84.6	86.2	85.3	84.9	84.1	82.7	82.6	82.2	81.6	81.3	81.2	81.3	82.4	87.9	78.9
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	80.0	79.9	79.5	79.4	79.2	79.2	80.3	81.5	82.5	83.2	83.8	83.7	84.3	84.1	83.6	83.1	82.6	81.7	81.2	81.0	80.8	80.6	80.3	80.1	81.5	86.2	77.9

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF SEPTEMBER, 1896.

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.	Solar Max.
Sept. 1, ...	78.1	78.2	78.0	78.4	79.1	78.6	79.0	80.5	81.4	80.5	80.6	79.3	80.5	79.8	80.0	78.0	79.7	78.8	78.5	79.1	79.1	78.3	78.6	78.4	79.2	148.9
" 2, ...	78.7	78.4	77.0	77.7	77.7	78.7	78.1	77.0	78.9	79.2	78.9	77.5	80.6	78.8	76.7	78.3	77.8	77.1	77.2	77.6	77.7	77.6	78.1	78.3	78.1	146.5
" 3, ...	78.6	78.8	78.0	78.1	78.2	78.4	79.4	79.0	79.9	79.8	79.9	77.2	79.1	80.1	80.3	79.8	78.4	78.9	79.6	79.7	79.2	78.8	79.5	79.0	79.1	150.1
" 4, ...	79.1	78.9	79.0	79.2	79.3	79.3	80.0	79.8	79.7	80.7	80.1	81.2	79.8	78.9	78.7	79.0	79.1	79.3	78.2	78.8	78.7	78.6	79.0	78.6	79.3	143.6
" 5, ...	79.0	79.1	79.5	79.2	79.0	78.9	79.8	78.9	79.5	80.8	80.4	79.7	79.6	79.8	80.0	80.0	79.9	79.0	78.2	78.6	79.3	76.0	74.9	76.7	79.0	148.6
" 6, ...	76.7	76.8	77.1	77.0	77.4	77.9	74.2	75.1	76.3	76.3	78.9	78.2	79.2	78.7	77.7	77.9	77.7	76.5	75.4	75.1	75.0	75.8	75.1	75.9	76.7	148.8
" 7, ...	75.8	76.3	76.6	76.6	76.5	76.5	75.6	75.4	75.5	77.1	77.2	77.8	78.2	77.3	77.7	77.3	77.9	76.7	76.9	77.2	77.3	76.2	75.9	76.7	76.8	152.4
" 8, ...	76.1	75.9	76.0	76.0	75.8	75.6	75.2	75.6	76.3	76.3	76.0	75.7	74.7	73.7	74.0	74.2	74.0	73.2	73.3	73.8	73.7	73.6	73.2	74.2	74.8	145.6
" 9, ...	73.8	74.0	73.4	73.5	73.6	73.1	74.2	75.4	75.2	74.4	76.1	76.4	76.7	77.1	76.2	75.4	75.2	75.1	74.7	74.7	74.7	74.3	74.2	73.0	74.8	145.5
" 10, ...	73.0	73.4	73.7	73.8	74.2	74.0	76.0	73.8	71.0	71.2	72.3	73.2	74.9	73.9	75.6	75.1	74.4	74.1	73.9	73.8	73.9	73.7	73.6	73.2	73.7	138.3
" 11, ...	73.3	73.6	73.2	73.7	73.2	73.6	74.8	74.3	75.0	74.8	74.3	76.9	76.4	76.3	75.8	74.2	74.7	74.0	74.1	74.6	74.7	74.6	73.6	73.5	74.5	139.3
" 12, ...	73.4	72.9	72.8	72.8	73.4	73.6	74.6	74.7	74.5	73.3	74.4	74.1	73.7	71.0	71.7	72.9	74.0	74.0	73.2	72.6	72.1	72.1	72.5	73.2	73.2	139.5
" 13, ...	73.5	74.7	73.6	73.7	72.8	72.4	74.3	75.1	74.8	75.1	74.2	75.1	75.7	75.7	75.5	75.3	75.8	76.0	76.5	76.2	75.7	72.6	74.8	74.9	74.8	120.9
" 14, ...	76.3	76.0	75.9	74.9	73.6	74.4	74.2	75.0	74.2	74.8	76.0	74.6	74.2	74.9	73.2	75.3	74.8	75.1	74.6	74.1	76.1	75.3	76.4	76.0	75.0	119.8
" 15, ...	76.4	76.1	75.8	75.7	75.3	75.4	74.7	74.7	75.4	76.1	76.3	75.6	75.6	75.8	76.4	75.8	75.0	75.3	75.2	76.7	74.6	74.0	74.9	75.2	75.5	135.7
" 16, ...	76.5	75.3	75.8	76.1	75.9	75.6	75.0	75.4	77.0	73.3	75.2	74.9	76.9	76.3	76.1	76.0	76.0	75.8	75.7	75.7	76.5	76.0	76.9	76.5	75.8	98.5
" 17, ...	76.3	76.4	75.5	75.8	75.1	76.3	75.8	76.2	76.7	76.3	75.2	76.4	75.7	75.8	75.2	75.7	76.0	75.8	76.3	76.2	76.2	76.0	77.3	76.7	76.0	104.5
" 18, ...	76.7	76.6	76.7	76.7	76.2	76.4	76.9	75.6	75.4	77.8	74.8	75.1	76.3	76.0	76.8	76.4	76.3	76.1	76.2	76.5	76.0	76.1	76.1	76.0	76.2	126.3
" 19, ...	76.5	76.5	76.4	75.7	75.6	74.4	75.3	75.7	74.8	74.2	75.4	75.8	75.7	75.1	75.3	75.8	75.7	75.3	75.2	75.3	75.0	75.1	75.1	75.1	75.4	140.9
" 20, ...	75.7	75.7	76.0	75.7	75.5	74.9	74.8	75.8	76.0	77.0	76.0	76.9	76.7	76.7	76.9	77.3	77.7	76.7	76.5	76.9	76.6	76.7	76.3	76.4	76.3	148.1
" 21, ...	76.1	75.7	76.8	76.6	75.5	75.7	75.9	76.6	76.5	76.1	76.7	76.4	76.5	76.4	76.4	77.1	75.7	76.0	76.2	76.5	76.4	76.3	75.9	75.9	76.2	140.4
" 22, ...	75.3	75.1	76.0	75.8	76.5	76.1	78.0	78.0	78.1	78.4	79.0	78.3	79.0	80.3	78.4	78.5	78.7	79.0	78.7	78.6	78.8	78.7	78.3	77.6	77.9	144.2
" 23, ...	77.4	77.6	78.0	77.9	78.1	75.6	76.1	76.0	76.0	76.7	77.8	78.7	78.7	77.4	77.0	76.7	77.0	76.7	77.3	77.6	77.4	77.7	77.4	77.1	77.2	139.4
" 24, ...	76.9	76.7	77.0	76.9	77.4	76.9	77.4	77.4	78.0	77.1	77.7	77.9	77.7	77.6	77.5	76.6	76.1	76.8	77.1	77.0	77.8	77.7	77.3	77.4	77.2	150.5
" 25, ...	77.7	77.4	77.0	77.4	77.5	77.1	78.4	79.3	77.2	78.7	78.7	79.8	79.7	79.1	78.7	78.3	78.1	77.3	77.0	77.1	77.6	77.4	77.4	77.6	78.0	142.8
" 26, ...	77.4	77.2	77.3	76.9	77.1	76.7	78.3	78.5	79.9	79.1	79.9	79.4	78.8	79.0	78.3	79.0	77.7	77.2	77.3	77.4	77.5	77.2	76.4	77.2	77.9	143.7
" 27, ...	77.5	77.4	77.0	77.5	77.8	77.3	78.9	79.4	79.5	78.2	79.2	78.2	78.4	77.5	77.9	78.1	77.0	76.2	77.1	77.0	77.1	78.0	77.5	76.9	77.8	146.1
" 28, ...	76.8	76.6	76.8	76.9	76.8	76.7	77.6	79.0	78.0	78.2	78.9	78.4	79.5	79.0	77.8	78.8	77.3	77.0	76.7	76.5	77.0	77.6	77.7	77.3	77.6	144.6
" 29, ...	76.5	76.7	77.1	76.9	77.0	77.0	78.0	78.0	78.5	78.8	78.9	80.0	80.2	79.2	79.8	78.2	77.7	77.8	78.0	77.9	77.7	77.4	77.5	76.7	78.0	147.2
" 30, ...	76.6	76.7	77.6	76.8	76.7	76.4	77.8	77.2	77.6	77.6	77.6	78.1	76.7	77.7	77.8	76.8	77.8	78.3	77.9	77.8	77.6	77.8	77.2	77.6	77.4	148.5
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	76.4	76.4	76.4	76.3	76.3	76.1	76.6	76.7	76.9	76.9	77.2	77.2	77.5	77.2	77.0	76.9	76.8	76.5	76.4	76.6	76.6	76.2	76.3	76.3	76.6	139.6

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF SEPTEMBER, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	85	0.863	Sept. 1,.....	85	0.952
2 „	85	.864	„ 2,.....	83	.908
3 „	87	.869	„ 3,.....	78	.925
4 „	87	.866	„ 4,.....	77	.929
5 „	87	.868	„ 5,.....	79	.925
6 „	87	.860	„ 6,.....	80	.859
7 „	84	.874	„ 7,.....	83	.869
8 „	80	.855	„ 8,.....	76	.788
9 „	76	.851	„ 9,.....	76	.789
10 „	74	.841	„ 10,.....	69	.733
11 „	73	.846	„ 11,.....	73	.767
Noon.	73	.847	„ 12,.....	63	.696
1 p.	72	.852	„ 13,.....	73	.778
2 „	72	.842	„ 14,.....	77	.799
3 „	73	.840	„ 15,.....	77	.809
4 „	74	.843	„ 16,.....	89	.859
5 „	76	.845	„ 17,.....	90	.868
6 „	78	.844	„ 18,.....	86	.862
7 „	79	.846	„ 19,.....	80	.821
8 „	81	.857	„ 20,.....	79	.843
9 „	82	.860	„ 21,.....	77	.834
10 „	80	.845	„ 22,.....	83	.903
11 „	82	.854	„ 23,.....	87	.894
Midt.	83	.857	„ 24,.....	85	.887
			„ 25,.....	83	.905
			„ 26,.....	81	.895
			„ 27,.....	81	.892
			„ 28,.....	77	.874
			„ 29,.....	80	.895
			„ 30,.....	79	.874
			.....	...	...
Means,.....	80	0.854	Means.	80	0.854

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.
1896.														
Sept. 1,.....	...	...	0.4	0.7	0.7	1.0	0.8	0.6	0.9	0.6	0.2	0.1	...	6.0
„ 2,.....	...	0.4	0.1	1.0	1.0	0.9	0.5	0.8	...	0.3	1.0	1.0	0.1	7.1
„ 3,.....	...	0.9	0.5	0.7	0.8	0.4	0.7	1.0	1.0	0.9	0.9	0.7	...	8.5
„ 4,.....	...	0.8	1.0	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	10.6
„ 5,.....	...	...	...	0.5	0.2	0.9	0.2	...	0.1	0.9	0.9	0.9	...	4.6
„ 6,.....	...	...	...	0.1	0.4	0.8	0.8	0.8	0.3	...	0.4	...	...	3.6
„ 7,.....	...	...	...	0.7	0.8	0.5	...	0.4	...	0.8	...	...	...	3.2
„ 8,.....	...	0.2	0.6	0.8	0.9	...	...	...	...	...	0.3	0.1	...	2.9
„ 9,.....	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.1	0.1	...	8.8
„ 10,.....	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.0
„ 11,.....	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	10.8
„ 12,.....	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.4
„ 13,.....	...	...	0.3	...	...	...	...	...	...	...	...	...	...	0.3
„ 14,.....	...	...	0.3	...	...	...	...	...	...	...	...	...	...	0.3
„ 15,.....	...	...	...	...	0.4	0.7	0.5	0.7	0.4	...	0.3	...	...	3.0
„ 16,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	..
„ 17,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,.....	...	...	0.1	0.4	...	...	...	...	...	...	...	...	...	0.5
„ 19,.....	..	0.3	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	8.9
„ 20,.....	...	0.6	0.9	0.8	1.0	0.8	0.8	1.0	1.0	1.0	1.0	0.9	...	9.8
„ 21,.....	...	0.5	0.9	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	9.8
„ 22,.....	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.1	...	0.1	...	7.2
„ 23,.....	...	...	...	...	...	0.4	1.0	1.0	0.8	0.7	...	0.2	...	4.1
„ 24,.....	...	0.2	0.2	0.7	0.7	1.0	1.0	0.7	0.4	0.5	...	...	...	5.4
„ 25,.....	...	0.5	1.0	0.9	1.0	0.5	0.6	0.8	0.9	0.9	1.0	1.0	...	9.1
„ 26,.....	...	0.8	1.0	1.0	1.0	1.0	0.8	1.0	1.0	0.7	1.0	1.0	0.1	10.4
„ 27,.....	...	0.9	0.9	1.0	1.0	1.0	0.8	0.9	0.5	1.0	0.9	0.7	...	9.6
„ 28,.....	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8	1.0	0.9	...	10.1
„ 29,.....	...	0.7	0.7	0.2	0.4	0.9	1.0	1.0	1.0	1.0	1.0	0.8	...	8.7
„ 30,.....	...	0.4	0.8	0.6	0.4	0.9	0.8	0.3	1.0	1.0	1.0	0.8	...	8.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	11.5	16.1	18.8	19.5	20.7	19.3	20.0	18.0	17.9	17.0	13.6	0.3	192.7

TABLE VI.

RAINFALL FOR THE MONTH OF SEPTEMBER, 1896.

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.	Duration Hours.
Sept. 1,	...	...	...	0.120	0.060	...	0.475	0.005	0.020	...	...	...	0.010	...	0.010	...	0.060	...	...	0.005	0.045	...	...	0.060	0.870	7
,, 2,	...	0.020	...	0.180	0.005	...	...	0.065	...	...	0.025	...	0.130	...	0.195	...	...	...	...	...	...	...	...	...	0.620	4
,, 3,	...	...	...	...	...	...	...	...	...	...	...	0.020	...	...	...	...	...	...	...	...	...	...	...	...	0.020	...
,, 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.030	0.005	0.015	0.050	1
,, 6,	...	...	...	...	0.005	0.075	0.885	0.060	0.025	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.050	3
,, 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.025	...	...	...	0.285	0.005	...	...	...	...	...	0.315	1
,, 8,	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...
,, 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.015	...	...	...	...	...	...	...	0.020	1
,, 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 13,	...	...	...	...	...	...	...	...	0.005	0.020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.025	2
,, 14,	...	...	...	...	...	...	...	...	...	0.005	...	0.050	0.010	0.005	0.065	0.010	0.010	...	...	...	...	...	...	...	0.095	6
,, 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
,, 16,	0.015	0.010	0.350	0.130	0.095	0.040	0.195	0.665	0.225	0.035	...	0.430	...	0.005	0.065	0.080	0.015	0.005	...	0.005	0.100	0.010	0.035	0.125	2.635	17
,, 17,	...	...	0.100	0.110	0.625	0.135	0.010	0.095	0.025	0.300	0.030	0.195	0.145	0.300	...	...	...	0.115	0.010	...	...	...	0.100	0.245	2.540	14
,, 18,	0.020	...	...	...	...	0.015	0.075	0.025	0.025	0.210	0.180	0.255	0.020	0.065	...	...	...	...	...	...	...	...	...	...	0.890	7
,, 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 23,	...	...	...	...	...	0.235	0.065	0.010	0.020	...	...	...	...	...	...	...	...	...	...	0.060	...	...	...	...	0.390	3
,, 24,	0.005	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	0.250	0.030	0.010	...	...	...	...	...	...	0.300	2
,, 25,	...	...	...	...	...	...	...	...	...	...	0.160	0.010	...	...	...	...	...	...	...	...	...	...	...	...	0.170	1
,, 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.040	0.030	0.450	0.545	0.790	0.505	1.705	0.925	0.345	0.570	0.395	0.960	0.315	0.400	0.275	0.345	0.130	0.415	0.015	0.070	0.145	0.040	0.140	0.445	9.995	70

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF SEPTEMBER, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Sept. 1	7	12	9	12	10	6	4	4	11	3	20	5	5	4	8	2	3	12	8	20	9	18	8	18	9	17	7	17	8	20	6	22	9	20	5	23	6	20	7	26	7	23	9	26	11	19	11	21	370	15.4	8
" 2	10	21	12	20	13	14	13	7	10	5	12	10	13	12	15	14	14	16	14	23	14	23	15	15	15	14	13	11	15	14	5	6	14	9	14	12	14	9	11	8	11	8	11	7	12	8	11	9	295	12.3	13
" 3	11	11	13	10	11	8	10	7	10	7	13	7	14	11	14	11	15	11	14	10	18	6	17	9	16	9	18	6	16	6	18	5	16	6	16	6	16	2	16	2	16	3	16	4	16	2	16	3	162	6.7	14
" 4	16	2	...	1	...	0	...	1	...	1	16	3	16	2	16	3	16	2	22	3	23	6	24	11	24	8	23	8	17	7	20	6	17	10	18	7	18	7	18	6	...	1	...	1	...	0	...	0	96	4.0	20
" 5	18	2	18	4	19	4	25	2	...	0	...	0	...	0	25	3	25	4	27	6	23	7	24	7	24	7	24	7	23	9	24	6	24	5	18	4	18	5	28	3	20	3	7	14	9	3	6	2	107	4.5	23
" 6	...	0	...	0	...	0	...	0	6	2	12	6	17	11	31	6	27	5	26	7	21	8	24	12	24	11	23	10	23	8	26	8	24	9	26	5	3	4	3	3	...	0	7	6	4	4	4	2	127	5.3	24
" 7	6	6	7	3	9	5	...	1	...	0	2	5	2	6	2	8	3	7	7	6	4	6	12	8	9	13	8	15	10	14	9	9	9	6	7	19	6	9	7	12	6	8	6	15	6	11	7	11	203	8.5	7
" 8	6	13	5	12	7	10	7	16	8	16	7	17	7	16	5	14	8	14	8	13	8	15	8	18	7	16	7	14	7	13	8	12	9	12	8	11	9	8	8	8	8	4	...	1	8	2	8	2	277	11.5	7
" 9	...	0	...	1	8	3	...	0	8	2	...	0	4	4	4	9	6	7	4	9	10	8	10	8	10	10	8	11	9	10	12	7	17	7	15	5	14	2	...	1	14	2	14	2	...	0	...	1	109	4.5	9
" 10	14	3	...	1	14	2	...	1	14	3	...	1	...	0	14	5	32	16	32	11	6	7	12	5	16	5	10	9	10	7	10	8	9	6	12	3	13	3	13	4	13	3	13	3	13	2	...	1	109	4.5	9
" 11	...	1	13	2	...	1	...	1	...	1	13	3	11	3	9	9	6	9	7	12	9	14	9	14	10	14	10	15	10	18	10	18	10	15	10	15	9	12	9	13	9	16	8	17	8	15	8	11	249	10.4	9
" 12	7	12	6	11	5	7	4	8	4	9	4	7	5	9	4	14	7	13	8	13	8	14	7	16	10	24	7	24	7	24	7	23	7	18	6	21	7	21	7	19	7	25	7	23	7	26	7	24	405	16.9	7
" 13	6	23	7	23	6	23	5	23	5	17	4	19	4	20	6	30	7	32	7	24	4	15	6	24	6	21	7	28	7	26	7	27	7	25	7	29	7	29	7	28	7	33	7	24	8	26	6	23	595	24.8	6
" 14	7	28	7	26	5	24	7	25	6	26	7	26	5	26	5	26	5	26	6	24	5	25	7	30	4	26	4	19	4	19	7	27	7	28	7	26	8	27	6	22	7	28	7	30	7	29	7	33	626	26.1	6
" 15	7	28	7	32	7	32	7	31	5	31	6	28	6	30	5	29	6	32	6	33	7	34	7	37	7	35	7	32	6	26	6	28	7	30	7	30	7	25	10	29	9	32	9	32	7	28	11	21	725	30.2	7
" 16	8	25	6	27	10	28	6	32	6	33	6	27	5	31	6	35	11	34	11	29	8	16	8	19	6	26	6	28	7	22	7	29	7	34	7	31	6	29	6	25	6	24	10	21	6	22	6	29	656	27.3	7
" 17	6	30	6	28	8	30	7	23	9	30	8	32	8	31	7	28	7	25	9	24	9	22	9	20	7	23	9	22	7	16	6	16	9	18	11	21	8	19	7	23	9	21	10	19	9	20	10	24	565	23.5	8
" 18	9	29	10	25	9	25	8	27	7	25	8	26	10	13	7	20	8	26	9	23	12	22	9	14	7	12	12	16	8	20	8	20	9	16	8	16	7	16	9	18	8	15	10	12	10	13	10	10	459	19.1	9
" 19	9	10	9	14	7	13	8	12	6	13	6	14	7	19	6	19	6	18	6	21	7	18	8	22	7	18	9	19	10	19	10	15	10	15	9	12	10	8	10	5	9	8	8	6	9	7	8	9	334	13.9	8
" 20	6	11	7	14	7	11	7	11	7	16	7	14	6	14	7	17	7	18	7	17	7	22	7	18	7	22	6	19	10	21	10	17	11	15	10	15	9	15	10	14	8	13	8	15	7	16	7	18	383	16.0	8
" 21	8	24	8	19	7	14	7	15	8	15	7	14	6	12	7	15	7	12	9	15	7	15	9	14	10	9	10	11	10	10	7	10	7	4	9	4	10	4	10	2	10	2	...	0	...	0	...	1	241	10.0	8
" 22	...	0	...	1	...	0	10	5	10	4	...	0	10	2	11	5	23	5	23	8	22	10	24	7	23	6	22	6	14	8	14	5	...	1	19	4	17	6	17	4	17	4	7	2	...	1	7	2	96	4.0	18
" 23	7	2	7	2	7	2	...	1	11	7	15	10	26	4	26	3	30	3	4	5	7	6	7	5	9	15	9	16	7	15	8	14	9	15	9	13	11	7	6	11	10	19	8	15	6	15	9	18	223	9.3	8
" 24	8	19	9	17	9	16	10	15	8	18	8	18	8	20	7	18	6	23	9	22	7	19	9	22	9	20	10	18	9	20	9	13	8	14	10	8	11	7	11	7	9	7	9	5	10	5	10	2	353	14.7	9
" 25	10	2	10	6	10	4	11	5	11	3	10	3	...	1	10	3	15	8	15	11	16	4	21	4	18	11	22	7	19	6	17	6	17	8	15	7	15	4	15	3	15	4	15	3	15	5	15	3	121	5.0	15
" 26	15	2	15	2	15	3	...	0	15	2	...	1	15	2	15	2	13	4	18	3	24	5	25	8	25	8	15	6	16	8	17	9	15	8	15	5	15	4	15	5	15	2	15	3	15	2	...	1	95	4.0	17
" 27	15	2	...	0	...	1	...	0	...	1	...	1	...	1	15	3	...	0	15	4	24	6	21	4	15	5	12	4	17	6	15	7	15	8	15	6	15	4	15	3	15	2	15	2	15	4	15	4	78	3.3	16
" 28	...	1	...	0	...	0	15	3	...	0	15	2	...	0	15	2	15	3	15	2	15	2	24	8	24	7	23	6	17	8	17	7	17	5	18	6	17	5	17	6	17	4	17	3	...	1	17	2	83	3.5	18
" 29	17	2	...	1	...	1	17	2	17	2	...	1	...	1	...	0	...	1	17	5	17	8	26	5	25	6	16	8	14	6	16	5	16	5	16	2	26	3	26	2	26	3	24	3	21	2	11	6	80	3.3	19
" 30	11	7	10	6	10	4	...	1	...	0	...	1	11	2	11	4	31	4	1	11	4	5	6	12	9	11	10	14	9	18	9	19	9	16	7	16	7	12	6	6	7	5	10	2	5	7	8	8	191	8.0	8
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	...	328	...	320	...	291	...	279	...	292	...	301	...	307	...	357	...	390	...	414	...	386	...	414	...	432	...	426	...	424	...	404	...	388	...	382	...	326	...	318	...	322	...	316	...	295	...	301	8413	350.5	...
Means	...	10.9	...	10.7	...	9.7	...	9.3	...	9.7	...	10.0	...	10.2	...	11.9	...	13.0	...	13.8	...	12.9	...	13.8	...	14.4	...	14.2	...	14.1	...	13.5	...	12.9	...	12.7	...	10.9	...	10.6	...	10.7	...	10.5	...	9.8	...	10.0	280.4	11.7	...

TABLE VIII.

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
1896.												
Sept. 1, ...	2	c-str. / cum.	E	10	cum-nim.	E	10	nim.	E	10	c-cum. / cum-nim.	ESE
„ 2, ...	7	c-str. / cum.	E	10	nim.	ESE	9	c-cum. / cum.	ESE / S	6	c-cum. / cum.	S
„ 3, ...	3	cum.	...	4	cum.	SE	9	c-cum. / cum.	S	8	c-cum. / cum.	S
„ 4, ...	3	cum.	...	5	cum.	SW	8	c-cum. / cum.	SSW	7	c-cum. / cum.	SSW
„ 5, ...	2	cum.	...	4	cum.	...	10	str-cum.	...	9	c-cum. / cum.	...
„ 6, ...	10	cum-nim.	...	10	cum.	...	10	nim.	E	8	sm-cum. / cum.	W
„ 7, ...	4	cum.	...	6	c-cum. / cum.	...	9	sm-cum. / cum.	NE	4	c-cum. / cum.	ENE / NNE
„ 8, ...	9	cum.	...	8	cum.	...	8	sm-cum. / cum.	NE	8	sm-cum. / cum.	N / ENE
„ 9, ...	0	...	...	0	...	...	1	cum.	...	2	cum.	NE
„ 10, ...	0	...	...	0	...	...	0	...	...	5	c-cum.	N
„ 11, ...	0	...	...	0	...	...	0	...	...	1	cum.	...
„ 12, ...	0	...	...	0	...	...	7	c-cum.	E	7	c-cum. / cum.	ENE
„ 13, ...	4	c-cum. / cum.	...	2	cum.	...	9	c-cum. / cum.	E	10	nim.	ENE
„ 14, ...	6	c-cum. / cum.	ENE	9	cum.	...	10	sm-cum. / cum.	E	10	nim.	E
„ 15, ...	10	cum.	E	8	cum.	E	10	sm-cum. / cum.	E	9	c-cum. / cum.	E
„ 16, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	nim.	ESE
„ 17, ...	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	ESE	10	nim.	SE
„ 18, ...	10	nim.	...	10	cum-nim.	...	10	nim.	ESE	10	nim.	ESE
„ 19, ...	8	c-cum. / cum.	ESE	7	cum.	ESE	9	c-cum. / cum.	ESE	2	c-cum. / cum.	E
„ 20, ...	1	cum.	E	3	cum.	E	2	cum.	E	5	cum.	E
„ 21, ...	1	cum.	E	2	c-cum. / cum.	E	7	cum.	E	3	cum.	E
„ 22, ...	2	c-cum.	WNW	3	c-cum. / cum.	WNW / ..	2	c-cum.	...	7	c-cum. / cum.	W
„ 23, ...	8	c-str. / c-cum.	WNW	9	c-cum. / cum.	NW / ..	9	c-cum. / cum-nim.	...	9	c-cum. / cum.	...
„ 24, ...	2	cum.	E	6	cum.	ESE	8	c-cum. / cum.	ESE	8	c-cum. / cum.	ESE
„ 25, ...	8	sm-cum. / cum.	ENE / ..	7	sm-cum. / nim.	SSE	6	c-cum. / cum.	S	8	c-cum. / cum.	SSW
„ 26, ...	1	cum.	SSW	1	cum.	...	3	cum.	...	7	cum.	SSW
„ 27, ...	0	...	...	6	cum.	W	4	cum.	...	2	cum.	...
„ 28, ...	0	...	...	1	cum.	...	1	sm-cum.	...	2	cum.	...
„ 29, ...	0	...	...	3	sm-cum.	ENE	1	c-cum. / cum.	...	8	cum.	ESE
„ 30, ...	0	...	...	0	...	...	2	cum.	E	9	c-cum. / cum-str.	E
.....	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	4.0	...	...	5.1	...	...	6.5	...	...	6.8	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
Sept. 1,...	9	c-cum. / cum.	E	9	c-cum. / nim.	E	5	c-str. / cum.	E	1	cum.	...	7.0
„ 2,...	9	c-cum. / nim.	S	3	c-cum. / cum.	S	2	cum.	S	0	...	...	5.7
„ 3,...	6	c-cum. / cum.	SSW	7	c-cum. / cum.	SSW	6	c-cum. / cum.	ENE / ..	3	c-cum. / cum.	...	5.7
„ 4,...	6	c-cum. / cum.	SSW	4	c-cum. / sm-cum.	N	0	...	...	0	...	...	4.1
„ 5,...	9	c-cum. / cum.	NE / ..	9	c-cum. / cum.	ENE / ..	7	c-cum. / cum.	...	10	nim.	...	7.5
„ 6,...	7	c-cum. / sm-cum.	ENE	8	c-cum. / sm-cum.	ENE	10	sm-cum.	ENE	10	str.	...	9.1
„ 7,...	9	c-cum. / cum.	NNE	9	c-cum. / cum.	NNE	10	nim.	...	4	cum.	...	6.9
„ 8,...	10	nim.	NNE	9	sm-cum. / cum.	N / ..	2	cum.	...	0	...	...	6.8
„ 9,...	5	cum.	NE	8	sm-cum. / cum.	N / ..	1	cum.	...	0	...	...	2.1
„ 10,...	1	cum.	NE	2	cum.	...	1	c-cum.	...	0	...	...	1.1
„ 11,...	2	cum.	E	1	cum.	...	1	cum.	...	7	cum.	...	1.5
„ 12,...	5	c-cum.	...	6	c-cum.	ESE	5	c-cum. / sm-cum.	E	1	cum.	...	3.9
„ 13,...	10	c-cum. / cum.	ENE	10	str. / cum.	ENE	10	str. / cum.	ENE	5	c-cum. / cum.	ENE	7.5
„ 14,...	10	nim.	E	10	nim.	E	10	c-str. / cum.	E	8	c-cum. / cum.	E	9.1
„ 15,...	10	c-cum. / cum.	E	9	c-cum. / cum.	E	9	c-cum. / cum.	E	10	str. / cum.	E	9.4
„ 16,...	10	cum-nim.	ESE	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	...	10.0
„ 17,...	10	str. / nim.	SE	10	cum-nim.	ESE	10	nim.	ESE	10	cum-nim.	ESE	10.0
„ 18,...	10	nim.	ESE	9	c-cum. / cum.	ESE	10	cum.	SE	10	c-cum. / cum.	SE	9.9
„ 19,...	3	c-str. / cum.	...	2	c-str. / cum.	E	8	c-cum. / cum.	ESE	2	c-cum.	...	5.1
„ 20,...	2	cum.	E	3	c-cum. / cum.	ESE	7	c-cum. / cum.	ESE	9	cum.	E	4.0
„ 21,...	1	cum.	E	1	cum.	E	0	...	...	0	...	...	1.9
„ 22,...	9	c-str. / cum.	NNW / ..	9	cum-str.	...	10	str. / cum.	...	5	c-cum.	...	5.9
„ 23,...	9	c-cum. / cum.	E / ..	4	c-str. / cum.	E / ..	7	c-str. / cum.	ESE	8	cum.	E	7.9
„ 24,...	7	c-cum. / cum.	ESE	10	nim.	ESE	3	c-cum. / cum.	...	8	c-cum. / cum.	E	6.5
„ 25,...	9	sm-cum. / cum.	SSW	5	c-cum. / cum.	SW	0	...	...	1	cum.	...	5.5
„ 26,...	2	cum.	...	1	cum.	...	0	...	...	0	...	...	1.9
„ 27,...	4	cum.	S	1	cum.	...	0	...	...	0	...	...	2.1
„ 28,...	1	cum.	...	1	cum.	...	0	...	...	0	...	...	0.8
„ 29,...	7	cum.	ESE	2	cum.	E	0	...	...	0	...	...	2.6
„ 30,...	5	c-cum. / cum.	E	4	c-cum.	ENE	2	cum.	...	4	cum.	...	3.2
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	6.6	...	...	5.9	...	...	4.9	...	...	4.2	...	...	5.5

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF SEPTEMBER, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	1.5	10.0	1.3	0.0	+ 0.2	+ 10.0	E 1° N
2 „	1.7	9.5	1.7	0.0	0.0	9.5	E
3 „	1.4	8.8	1.6	0.1	− 0.2	8.7	E 2° S
4 „	1.9	8.3	0.8	0.1	+ 1.1	8.2	E 7° N
5 „	2.3	8.7	0.9	0.0	1.4	8.7	E 9° N
6 „	2.1	8.4	1.3	0.1	0.8	8.3	E 6° N
7 „	3.0	8.1	1.5	0.2	1.5	7.9	E 11° N
8 „	3.9	9.4	1.6	0.2	2.3	9.2	E 14° N
9 „	3.6	9.8	2.1	0.5	+ 1.5	9.3	E 10° N
10 „	2.6	10.3	3.0	0.8	− 0.4	9.5	E 2° S
11 „	1.9	9.6	2.6	1.5	0.7	8.1	E 5° S
Noon.	1.3	10.6	1.9	2.2	0.6	8.4	E 4° S
1 p.	2.1	10.7	2.6	1.9	0.5	8.8	E 3° S
2 „	1.8	11.2	2.9	1.5	1.1	9.7	E 7° S
3 „	1.5	11.0	3.8	0.8	2.3	10.2	E 12° S
4 „	1.8	10.9	2.8	0.8	1.0	10.1	E 6° S
5 „	0.9	10.2	3.5	0.7	2.6	9.5	E 15° S
6 „	1.8	10.1	3.1	0.5	1.3	9.6	E 8° S
7 „	1.5	8.9	2.2	0.3	0.7	8.6	E 5° S
8 „	1.6	9.0	2.1	0.3	0.5	8.7	E 3° S
9 „	1.1	9.5	1.8	0.2	0.7	9.3	E 4° S
10 „	0.8	9.5	1.9	0.1	− 1.1	9.4	E 6° S
11 „	1.5	8.8	1.5	0.1	0.0	8.7	E
Midt.	1.3	8.8	2.0	0.0	− 0.7	+ 8.8	E 5° S
Means,.....	1.9	9.6	2.1	0.5	−0.23	+ 9.05	E 1° S

PHENOMENA :—

Solar halo :—on the 1st, 18th and 22nd.

Lunar halo :—on the 1st, 2nd, 19th, 23rd and 24th.

Lunar corona :—on the 14th, 15th, 17th and 18th.

Fog :—on the 11th.

Slight fog :—on the 9th, 10th, 22nd and 30th.

Haze :—on the 4th, 5th and 27th.

Dew :—on the 4th, 5th, 8th, 9th, 10th, 11th, 21st, 22nd, 23rd,25th, 26th, 27th, 28th and 29th.

Rainbow :—on the 1st, 2nd and 24th.

Lightning without thunder :—on the 1st, 2nd, 3rd, 4th, 12th, 13th, 22nd and 29th.

Thunder without lightning :—on the 22nd and 30th.

Thunder and lightning :—on the 23rd.

Thunderstorms :—on the 5th, 8.30 p.—10.30 p., NE-SE, distant. On the 6th, 6.15 a.—7.00 a., SE-SW, nearest at 6.46 a. (3s).

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF OCTOBER, 1896.

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,...	29.773	29.755	29.737	29.741	29.745	29.761	29.771	29.782	29.793	29.796	29.781	29.763	29.736	29.715	29.694	29.685	29.686	29.690	29.714	29.738	29.752	29.754	29.754	29.753	29.745
„ 2,...	.739	.727	.721	.717	.725	.751	.763	.792	.793	.799	.773	.755	.733	.715	.700	.693	.702	.723	.739	.777	.783	.793	.791	.788	.750
„ 3,...	.769	.759	.745	.740	.753	.768	.786	.804	.813	.811	.802	.769	.745	.722	.712	.719	.726	.741	.763	.783	.795	.797	.787	.766	.766
„ 4,...	.751	.735	.712	.695	.693	.703	.720	.726	.728	.720	.696	.670	.650	.614	.596	.595	.589	.592	.594	.604	.610	.614	.606	.578	.658
„ 5,...	.561	.554	.541	.536	.534	.537	.544	.546	.558	.563	.540	.516	.500	.472	.453	.459	.467	.457	.469	.472	.489	.483	.467	.453	.507
„ 6,...	.430	.419	.388	.368	.416	.445	.445	.461	.477	.501	.472	.469	.462	.438	.448	.464	.488	.521	.543	.563	.587	.595	.594	.582	.482
„ 7,...	.580	.560	.573	.572	.583	.600	.640	.670	.695	.694	.693	.673	.653	.647	.655	.644	.654	.668	.679	.692	.712	.719	.712	.701	.653
„ 8,...	.693	.685	.670	.669	.672	.693	.707	.727	.733	.744	.727	.721	.701	.679	.679	.694	.708	.709	.694	.716	.730	.730	.723	.719	.705
„ 9,...	.703	.693	.695	.695	.693	.715	.725	.735	.747	.746	.747	.726	.718	.697	.698	.705	.700	.706	.712	.722	.734	.721	.720	.722	.716
„ 10,...	.716	.706	.695	.692	.702	.723	.748	.764	.758	.757	.741	.721	.703	.682	.668	.666	.678	.686	.696	.710	.718	.716	.714	.714	.711
„ 11,...	.708	.700	.692	.688	.690	.707	.724	.737	.741	.735	.724	.693	.675	.649	.633	.639	.649	.647	.659	.674	.686	.672	.672	.673	.686
„ 12,...	.682	.682	.660	.658	.669	.696	.710	.721	.721	.724	.718	.699	.699	.691	.686	.700	.718	.728	.768	.782	.802	.810	.816	.812	.723
„ 13,...	.807	.797	.807	.819	.837	.874	.900	.918	.934	.938	.917	.891	.867	.852	.849	.869	.881	.898	.909	.928	.946	.950	.945	.947	.887
„ 14,...	.943	.932	.921	.914	.944	.974	.999	30.013	30.025	30.015	30.008	.977	.955	.929	.919	.922	.932	.931	.947	.969	.975	.983	.981	.975	.962
„ 15,...	.961	.953	.948	.939	.948	.968	.988	29.996	.009	.004	.004	.969	.951	.936	.919	.914	.926	.941	.955	.977	.991	.979	.977	.961	.963
„ 16,...	.952	.945	.936	.927	.920	.945	.971	.982	29.989	29.983	29.979	.946	.929	.909	.905	.907	.915	.928	.936	.952	.956	.958	.962	.945	.945
„ 17,...	.927	.923	.912	.908	.923	.940	.958	.972	.988	.990	.976	.943	.929	.905	.898	.902	.908	.921	.928	.952	.960	.968	.970	.946	.939
„ 18,...	.938	.933	.926	.926	.938	.958	.984	30.013	30.020	30.016	30.006	.981	.957	.945	.933	.937	.955	.963	.984	30.004	30.017	30.018	30.013	30.009	.974
„ 19,...	.989	.978	.971	.965	.966	.986	30.001	.024	.036	.037	.026	30.000	.984	.970	.954	.954	.966	.980	.997	.018	.023	.021	.014	.003	.994
„ 20,...	.984	.965	.949	.943	.945	.965	29.997	.010	.014	.010	29.996	29.988	.952	.928	.917	.918	.926	.938	.951	29.970	29.981	29.975	29.976	29.974	.965
„ 21,...	.965	.950	.938	.942	.950	.980	.999	.015	.025	.028	30.014	.986	.962	.934	.918	.909	.920	.934	.963	.977	.985	.983	.977	.971	.968
„ 22,...	.946	.943	.923	.936	.944	.961	.997	.019	.025	.017	29.990	.968	.941	.925	.909	.909	.932	.951	.955	.955	.966	.971	.971	.962	.959
„ 23,...	.946	.936	.924	.928	.932	.953	.983	29.993	.001	29.997	.976	.953	.921	.898	.883	.882	.892	.906	.924	.945	.948	.948	.948	.950	.940
„ 24,...	.945	.931	.925	.915	.919	.935	.953	.961	29.978	.975	.967	.948	.932	.908	.900	.898	.902	.903	.927	.943	.946	.944	.944	.950	.935
„ 25,...	.946	.936	.938	.936	.948	.974	.979	.994	30.005	30.005	.996	.963	.946	.927	.917	.919	.927	.932	.951	.967	.970	.976	.979	.981	.959
„ 26,...	.973	.961	.956	.949	.960	.987	.999	30.007	.018	.016	30.005	.968	.961	.945	.931	.937	.941	.948	.975	.991	30.000	30.008	30.000	.979	.976
„ 27,...	.972	.962	.956	.946	.957	.973	.985	.011	.018	.016	29.993	.963	.937	.915	.905	.906	.934	.932	.948	.969	29.974	29.975	29.973	.964	.962
„ 28,...	.961	.953	.946	.952	.955	.970	.984	29.993	.000	.005	.985	.958	.926	.906	.897	.884	.909	.912	.929	.953	.969	.972	.966	.957	.952
„ 29,...	.947	.937	.927	.921	.925	.955	.974	.980	29.987	29.994	.962	.928	.889	.859	.839	.832	.857	.870	.886	.910	.928	.935	.930	.924	.921
„ 30,...	.904	.894	.886	.887	.889	.913	.937	.951	.973	.962	.947	.907	.877	.861	.854	.858	.886	.893	.914	.932	.937	.937	.924	.933	.911
„ 31,...	.928	.916	.912	.923	.945	.964	30.000	30.032	30.051	30.030	30.021	.995	.979	.962	.955	.952	.960	.968	.992	30.011	30.036	30.055	30.057	30.041	.987
Means,.....	29.840	29.830	29.820	29.818	29.826	29.848	29.867	29.882	29.892	29.891	29.877	29.852	29.831	29.811	29.801	29.802	29.814	29.823	29.839	29.857	29.868	29.870	29.867	29.859	29.845

TABLE II.

TEMPERATURE FOR THE MONTH OF OCTOBER, 1896.

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,	80.5	81.3	80.6	81.1	81.5	81.4	80.7	81.3	84.0	85.0	85.2	85.9	85.9	86.6	85.5	84.7	84.0	83.3	83.0	82.6	82.8	82.6	82.3	81.7	83.1	87.5	80.5
„ 2,	81.6	81.4	81.2	81.6	81.4	81.6	82.4	82.8	84.8	84.2	84.1	84.7	85.2	85.6	84.9	83.9	83.3	82.7	82.6	82.6	82.3	82.4	82.2	81.8	83.0	86.1	81.2
„ 3,	81.5	82.0	82.1	81.5	81.7	81.1	82.6	83.6	84.6	85.1	85.6	86.5	86.4	87.2	85.5	84.3	83.3	82.6	82.6	82.7	82.6	82.2	81.3	80.3	83.3	87.6	80.3
„ 4,	80.0	80.2	79.8	79.1	79.5	79.4	81.1	82.7	85.1	87.2	87.3	89.7	89.9	91.0	90.8	86.4	85.1	84.6	83.7	82.8	81.7	82.0	81.6	81.8	83.9	91.4	78.5
„ 5,	82.2	82.8	82.2	82.1	82.0	83.1	83.5	85.2	86.9	86.0	86.8	88.3	85.2	86.4	83.6	81.1	76.3	81.2	82.0	80.4	80.8	78.6	81.8	81.7	82.9	88.5	76.3
„ 6,	80.1	81.2	79.7	80.6	80.6	80.1	82.0	82.1	82.5	80.7	81.1	81.2	80.2	80.0	79.2	79.0	78.3	78.5	78.9	78.4	78.8	79.5	80.9	81.7	80.2	82.5	77.7
„ 7,	80.8	81.1	81.2	81.3	80.6	80.6	81.3	81.9	82.9	83.7	83.8	84.8	84.6	83.1	83.1	83.3	81.6	81.6	81.2	81.4	80.9	81.0	80.2	80.9	82.0	85.3	79.0
„ 8,	80.8	80.6	80.4	80.5	80.6	80.5	80.7	81.2	81.8	81.8	82.9	82.7	82.6	82.8	81.9	82.2	81.9	80.3	80.4	80.3	80.6	80.6	80.5	80.6	81.2	84.4	79.8
„ 9,	80.6	80.3	80.5	80.2	80.1	79.9	80.2	81.4	81.9	83.2	78.4	77.7	76.0	76.1	75.2	75.4	74.1	74.3	74.3	74.4	75.0	74.8	75.3	75.2	77.7	83.8	73.8
„ 10,	74.7	74.4	74.4	73.8	73.6	71.8	72.1	71.5	72.6	76.9	79.5	81.2	81.9	82.9	82.2	80.3	79.1	77.6	77.2	77.0	76.3	75.9	75.6	74.9	76.6	83.8	71.5
„ 11,	74.9	74.6	73.7	73.1	72.8	73.0	75.1	75.4	79.3	78.5	81.1	80.0	79.6	81.2	80.0	78.0	77.6	76.9	76.8	76.3	75.8	74.6	74.3	73.9	76.5	82.9	72.0
„ 12,	73.9	73.7	73.6	72.7	73.7	73.1	71.9	72.5	72.9	76.2	77.8	79.3	79.9	79.8	79.6	78.7	77.6	77.2	76.6	76.0	76.1	75.1	74.2	71.6	75.6	81.1	71.2
„ 13,	70.4	70.0	67.6	67.7	68.6	69.4	69.8	70.4	73.2	76.3	77.0	79.1	77.1	78.6	78.8	78.7	76.6	74.8	74.6	74.3	73.2	74.4	74.4	74.6	73.7	80.8	67.5
„ 14,	74.4	74.6	74.7	74.6	74.4	74.5	75.0	76.8	78.2	78.6	77.8	79.1	79.6	79.8	78.9	78.3	77.7	77.0	77.1	77.0	77.5	77.2	76.6	74.1	76.8	80.8	73.6
„ 15,	74.7	75.7	76.1	75.8	76.0	75.1	76.2	76.9	78.0	78.1	78.6	79.4	79.6	79.6	78.1	77.6	77.2	76.1	76.1	75.9	76.5	76.6	76.5	76.7	77.0	80.7	73.9
„ 16,	76.8	76.4	76.4	76.3	76.1	76.1	75.9	74.7	77.5	77.9	78.8	79.2	79.9	78.7	78.9	78.5	76.5	76.6	76.6	77.0	76.9	77.2	77.1	76.8	77.2	80.8	74.0
„ 17,	76.5	76.6	75.0	75.4	75.6	76.7	78.0	78.9	79.4	78.9	80.6	79.2	79.1	79.2	78.5	78.1	77.1	76.6	76.6	76.5	76.4	76.4	76.6	76.3	77.4	81.1	75.0
„ 18,	76.2	75.6	75.1	75.0	74.8	74.6	74.5	76.8	78.4	79.2	80.9	80.0	80.7	81.1	79.8	79.6	78.9	78.4	77.3	77.0	76.2	75.2	76.7	75.8	77.4	82.0	73.3
„ 19,	75.0	74.3	73.4	72.5	72.7	74.3	75.5	75.0	75.6	76.0	74.4	75.6	74.8	75.6	77.6	77.8	77.2	77.1	77.0	73.2	74.0	74.4	74.1	74.8	75.1	77.8	72.0
„ 20,	74.2	74.9	73.7	73.9	74.2	73.1	74.4	75.7	78.8	80.9	82.9	81.9	82.9	82.0	83.8	82.9	81.7	79.1	79.0	79.3	78.2	76.1	76.0	75.1	78.1	84.8	72.7
„ 21,	73.6	74.3	73.5	72.7	71.7	71.4	72.9	73.6	73.6	78.1	79.8	79.0	81.0	80.7	80.7	81.1	78.4	78.0	76.1	75.2	74.6	76.1	74.2	75.1	76.1	82.9	69.8
„ 22,	75.2	75.7	75.6	75.0	74.6	75.0	75.1	75.5	76.8	77.5	78.7	78.8	78.9	77.7	77.0	77.0	76.6	73.3	75.1	76.3	76.1	72.2	74.1	75.2	76.0	80.9	72.2
„ 23,	74.9	74.2	74.4	74.0	73.6	73.4	74.3	75.6	77.1	77.0	77.1	78.6	78.6	78.5	78.8	78.7	77.6	77.0	76.8	76.9	77.0	76.7	76.8	76.5	76.4	79.7	73.4
„ 24,	76.5	76.6	76.8	76.6	76.6	76.3	76.8	77.4	77.9	78.9	78.6	78.9	80.3	80.3	80.2	79.3	78.3	77.1	77.0	77.0	76.7	76.8	76.8	76.6	77.7	80.7	76.0
„ 25,	76.4	75.6	75.5	75.6	75.8	76.1	76.8	78.5	79.6	80.6	81.9	81.3	81.3	81.7	81.4	80.3	79.5	77.7	77.1	76.7	76.9	76.7	76.2	76.4	78.1	83.0	75.4
„ 26,	76.6	76.6	76.6	75.5	74.6	74.5	75.7	78.1	79.6	79.5	81.6	82.2	81.2	80.2	80.2	79.5	79.0	77.3	77.4	76.6	75.8	75.4	74.4	74.4	77.6	83.8	73.6
„ 27,	73.0	72.7	72.6	70.0	69.6	69.4	71.8	73.9	75.3	76.8	79.4	78.0	79.4	81.3	80.6	80.6	78.0	75.8	75.2	75.2	74.8	74.6	73.9	73.6	75.2	82.0	68.9
„ 28,	72.7	71.3	70.8	70.8	70.4	68.7	71.3	74.1	76.3	77.3	78.5	78.9	78.1	77.9	77.0	75.9	75.1	74.6	74.3	74.8	74.3	75.5	75.5	75.2	74.6	80.2	67.0
„ 29,	74.6	74.3	74.0	73.6	72.4	72.0	72.2	75.1	76.6	77.7	79.6	78.9	79.8	79.9	78.9	79.7	77.9	75.6	75.0	74.7	74.6	74.6	74.1	74.8	75.9	81.6	71.4
„ 30,	73.3	73.7	73.6	73.5	73.8	73.5	74.9	76.0	77.6	79.1	81.5	82.7	82.9	81.7	82.6	80.9	79.9	78.6	77.5	77.1	77.5	75.7	74.7	74.4	77.4	83.7	72.1
„ 31,	73.7	73.2	72.6	72.4	72.0	71.6	71.6	68.6	66.9	67.9	70.3	70.6	68.5	68.1	67.9	68.6	69.6	70.8	72.1	72.0	70.2	67.6	65.5	66.6	70.0	74.5	65.0
Means,	76.5	76.4	76.0	75.8	75.7	75.5	76.3	77.2	78.6	79.5	80.4	80.8	80.7	80.8	80.4	79.7	78.5	77.8	77.7	77.3	77.1	76.7	76.6	76.4	77.9	82.8	73.8

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF OCTOBER, 1896.

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.	Solar Max.
Oct. 1, ...	77.5	77.7	76.3	77.7	77.8	77.5	76.4	76.8	78.7	76.4	76.4	76.3	76.3	77.4	77.9	77.7	77.7	77.9	77.2	78.6	77.6	77.4	77.5	77.6	77.3	142.7
„ 2, ...	77.7	77.7	77.6	76.9	76.3	75.9	75.0	75.2	76.7	75.4	75.7	76.2	76.7	76.8	77.8	77.7	78.2	77.7	77.6	77.5	77.9	77.5	77.4	76.9	76.9	141.3
„ 3, ...	77.2	77.1	77.3	77.0	77.1	76.2	75.6	76.1	76.0	75.6	76.4	76.6	76.6	77.5	76.4	76.7	76.7	76.5	76.6	76.8	77.4	77.7	77.5	76.7	76.7	141.3
„ 4, ...	76.9	77.2	77.0	76.7	76.4	76.0	76.3	76.9	77.8	77.3	79.4	80.3	80.9	80.0	80.7	77.3	77.4	77.6	77.7	77.7	77.6	77.8	78.1	78.9	77.9	147.5
„ 5, ...	76.5	79.2	77.8	77.0	76.8	73.3	72.8	73.4	74.3	75.2	75.8	77.0	76.3	77.6	76.8	76.9	76.0	75.7	75.8	76.4	76.6	76.9	76.2	76.1	76.1	140.8
„ 6, ...	76.7	77.3	77.1	77.2	75.0	76.2	76.5	76.8	76.7	77.9	77.3	77.2	77.4	76.9	77.8	78.0	76.9	77.4	76.8	77.2	77.0	77.2	77.1	77.0	77.0	† 90.0
„ 7, ...	76.9	77.6	77.0	77.1	77.2	77.6	77.0	77.4	77.8	78.2	78.3	78.9	78.2	78.9	78.3	79.0	78.7	78.2	78.3	77.6	78.5	78.5	77.8	78.6	78.0	143.6
„ 8, ...	78.5	78.4	77.9	77.2	77.3	77.7	77.8	77.9	78.4	78.9	78.7	78.7	78.0	78.4	78.4	78.3	78.0	77.6	77.8	78.0	77.9	77.8	77.8	77.7	78.0	129.7
„ 9, ...	77.7	77.3	77.1	77.0	77.3	77.2	77.7	78.0	78.0	78.8	76.6	75.7	74.8	74.7	73.8	73.5	73.5	73.7	73.6	73.7	74.3	73.4	73.7	73.9	75.6	114.2
„ 10, ...	72.7	72.3	71.9	71.3	71.2	70.8	70.7	70.0	71.5	72.0	71.6	73.1	74.0	74.6	73.4	73.0	71.6	71.3	70.5	70.0	69.9	69.7	69.4	69.5	71.5	142.5
„ 11, ...	69.1	68.9	68.7	68.8	68.7	68.8	69.1	69.7	71.7	70.7	71.3	70.9	70.8	71.5	71.3	70.8	70.5	69.5	69.1	68.4	68.4	68.3	67.4	67.0	69.6	152.4
„ 12, ...	66.7	67.6	66.8	66.7	67.0	67.1	65.2	66.1	66.0	68.0	68.8	70.3	71.2	70.0	69.2	69.0	69.8	69.9	68.1	67.7	67.5	67.2	65.4	66.7	67.8	136.2
„ 13, ...	63.4	63.7	62.7	62.4	62.1	62.7	62.7	62.8	65.0	66.7	66.8	68.7	68.0	68.8	68.7	68.8	67.7	67.8	67.3	66.8	66.5	67.8	68.5	68.4	66.0	133.9
„ 14, ...	68.7	68.6	69.0	68.9	68.4	68.3	70.0	70.9	71.2	70.8	70.7	71.0	70.7	70.7	69.0	70.0	70.8	70.5	70.3	70.3	71.0	70.7	71.1	71.0	70.1	149.2
„ 15, ...	70.9	70.7	70.1	70.0	69.8	70.7	71.2	71.0	71.4	71.0	71.7	71.4	71.4	71.3	70.3	70.4	70.4	70.1	70.0	70.1	70.3	70.0	70.1	69.8	70.6	144.3
„ 16, ...	70.0	70.2	70.1	70.3	70.0	70.3	70.7	70.6	71.7	71.3	72.3	72.5	73.2	72.1	72.2	72.7	71.4	72.3	72.3	72.7	71.9	71.7	71.7	71.4	71.5	137.4
„ 17, ...	70.5	71.1	71.3	70.8	71.5	71.0	71.8	72.0	72.7	72.2	73.7	72.5	72.4	72.6	72.1	72.2	71.8	72.3	71.7	71.7	71.6	71.7	71.7	72.0	71.9	138.8
„ 18, ...	71.7	71.6	71.6	72.0	72.0	72.1	72.7	73.0	73.3	72.8	73.4	73.5	73.0	73.9	72.7	73.0	72.0	71.7	72.2	71.6	72.0	71.8	71.4	72.4	72.4	143.9
„ 19, ...	72.4	72.1	71.0	71.3	71.8	72.4	72.5	72.8	72.7	72.2	72.4	72.6	71.7	72.3	71.8	71.9	71.6	71.5	72.0	71.6	71.9	72.2	72.3	72.4	72.1	104.0
„ 20, ...	72.0	72.1	72.0	71.5	71.6	71.4	71.8	73.1	75.0	73.8	73.2	73.0	71.9	73.1	72.0	74.6	73.1	73.0	69.2	67.5	66.8	66.7	65.8	65.4	71.2	141.0
„ 21, ...	65.4	65.1	64.0	63.8	63.6	63.2	64.8	66.0	67.1	67.3	69.1	69.0	70.0	70.7	71.2	71.2	70.6	69.6	66.7	66.9	67.0	66.3	66.0	67.1	67.2	134.2
„ 22, ...	67.5	69.3	68.9	69.0	67.6	66.9	65.8	67.0	66.1	65.4	66.1	66.2	68.6	66.7	66.2	67.2	66.9	66.7	67.3	66.9	69.3	68.2	68.2	69.4	67.4	135.8
„ 23, ...	69.1	69.0	69.4	68.8	68.6	69.4	69.5	69.0	70.4	69.3	69.2	70.1	70.6	71.0	71.8	72.3	72.1	72.1	72.2	72.2	72.3	72.2	72.3	72.4	70.6	145.4
„ 24, ...	72.6	73.2	73.3	73.1	72.9	72.8	73.0	72.7	73.4	73.8	73.7	73.1	74.1	74.4	73.9	73.0	73.8	71.8	73.9	74.1	73.8	73.7	73.6	73.7	73.4	137.5
„ 25, ...	73.7	72.9	72.9	73.0	73.1	73.1	72.7	73.4	73.5	73.1	74.6	74.0	74.3	74.6	74.5	74.4	74.3	73.8	73.4	73.6	73.5	73.2	73.5	73.8	73.6	128.5
„ 26, ...	73.7	73.6	73.7	73.1	69.0	68.7	68.7	70.6	71.3	71.7	72.1	72.3	71.5	71.2	71.4	71.2	71.0	70.0	69.5	68.8	67.6	67.0	66.6	65.9	70.4	138.2
„ 27, ...	66.5	66.0	65.7	63.7	64.9	63.7	64.9	65.3	67.7	68.8	70.0	69.0	70.1	70.9	71.0	71.3	70.9	69.2	68.8	69.1	68.1	67.3	67.0	67.6	67.8	134.0
„ 28, ...	66.1	65.4	64.4	63.8	63.6	62.8	63.9	65.3	66.7	67.3	67.9	69.0	68.8	68.9	68.7	68.0	68.1	67.7	68.0	68.8	68.8	69.4	69.4	69.1	67.1	132.2
„ 29, ...	68.8	68.8	68.7	68.6	68.7	67.2	67.1	68.7	69.2	67.8	68.3	68.9	69.9	70.1	70.0	70.2	70.1	69.2	68.7	69.2	69.5	69.9	69.8	70.3	69.1	133.9
„ 30, ...	69.4	69.2	67.5	66.8	65.3	65.0	65.7	66.6	67.0	67.6	69.8	69.0	71.0	68.7	69.0	69.0	68.0	68.0	70.6	69.8	65.8	63.0	60.0	62.8	67.3	145.0
„ 31, ...	60.2	60.1	59.8	60.0	59.7	59.9	59.8	60.7	60.9	62.3	63.9	63.8	64.7	64.1	63.3	63.0	63.8	62.2	62.0	62.2	63.3	64.3	64.4	64.1	62.2	107.6
Means, ...	71.5	71.6	71.2	71.0	70.7	70.5	70.6	71.2	71.9	71.9	72.4	72.6	72.8	72.9	72.6	72.7	72.4	72.0	71.8	71.7	71.7	71.5	71.2	71.5	71.8	135.1

† Approximate.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF OCTOBER, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	77	0.712	Oct. 1,.....	76	0.860
2 „	78	.717	„ 2,.....	75	.844
3 „	78	.707	„ 3,.....	73	.831
4 „	78	.702	„ 4,.....	75	.876
5 „	77	.691	„ 5,.....	72	.809
6 „	77	.686	„ 6,.....	86	.886
7 „	74	.679	„ 7,.....	83	.906
8 „	73	.690	„ 8,.....	86	.917
9 „	71	.700	„ 9,.....	91	.859
10 „	68	.687	„ 10,.....	77	.705
11 „	66	.695	„ 11,.....	69	.632
Noon.	66	.698	„ 12,.....	65	.577
1 p.	67	.707	„ 13,.....	64	.537
2 „	67	.710	„ 14,.....	70	.647
3 „	67	.704	„ 15,.....	71	.665
4 „	70	.717	„ 16,.....	74	.696
5 „	74	.721	„ 17,.....	75	.709
6 „	74	.714	„ 18,.....	77	.730
7 „	74	.708	„ 19,.....	86	.749
8 „	75	.709	„ 20,.....	70	.673
9 „	75	.712	„ 21,.....	60	.548
10 „	76	.709	„ 22,.....	62	.557
11 „	75	.699	„ 23,.....	73	.672
Midt.	77	.713	„ 24,.....	81	.766
			„ 25,.....	80	.769
			„ 26,.....	68	.648
			„ 27,.....	66	.583
			„ 28,.....	66	.565
			„ 29,.....	70	.621
			„ 30,.....	57	.535
			„ 31,.....	62	.457
Means,.....	73	0.704	Means.	73	0.704

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.
1896.														
October 1,.....	...	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	9.4
„ 2,.....	...	0.6	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	9.7
„ 3,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.3
„ 4,.....	...	0.3	1.0	0.7	1.0	1.0	1.0	1.0	1.0	0.7	...	...	...	7.7
„ 5,.....	...	...	0.6	0.9	0.3	0.8	0.6	0.7	0.8	...	...	...	...	4.7
„ 6,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,.....	...	...	0.1	0.7	0.3	0.8	0.9	0.7	...	0.1	0.2	...	...	3.8
„ 8,.....	...	...	...	0.1	0.2	...	...	0.2	0.2	...	...	...	...	0.7
„ 9,.....	...	...	...	...	0.2	...	...	...	...	...	...	...	...	0.2
„ 10,.....	...	...	...	0.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	7.6
„ 11,.....	...	...	...	0.8	0.4	0.9	0.4	0.1	...	...	...	0.1	...	2.7
„ 12,.....	...	...	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	0.1	7.3
„ 13,.....	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.5
„ 14,.....	...	0.2	1.0	1.0	0.9	0.1	0.5	0.6	0.1	...	...	...	...	4.4
„ 15,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	1.0	0.7	...	9.7
„ 16,.....	...	0.1	0.2	0.2	0.2	0.7	0.9	1.0	0.8	1.0	1.0	...	...	6.1
„ 17,.....	...	0.5	0.8	0.8	0.7	0.8	0.9	1.0	1.0	1.0	1.0	0.7	...	9.2
„ 18,.....	...	...	0.4	1.0	1.0	0.9	0.8	1.0	1.0	1.0	1.0	0.7	...	8.8
„ 19,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,.....	...	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	9.5
„ 21,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.1	...	9.7
„ 22,.....	...	...	0.6	1.0	1.0	0.4	0.4	0.6	...	...	...	...	...	4.0
„ 23,.....	...	...	0.9	0.7	...	1.0	0.9	0.4	0.1	0.6	0.6	...	...	5.2
„ 24,.....	...	...	0.4	0.8	0.9	0.7	0.7	1.0	1.0	0.5	0.4	...	...	6.4
„ 25,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.1
„ 26,.....	...	0.1	0.5	1.0	1.0	1.0	1.0	0.5	...	...	...	...	...	5.1
„ 27,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.9
„ 28,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.6	0.4	...	9.6
„ 29,.....	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	9.8
„ 30,.....	...	...	0.1	0.3	0.3	0.4	1.0	0.3	0.2	0.5	...	...	...	3.1
„ 31,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	6·4	16.5	21.6	21.3	22.5	23.0	22.0	19.0	18.2	16.4	8.2	0.1	195.2

TABLE VI.

RAINFALL FOR THE MONTH OF OCTOBER, 1896.

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.	Duration Hours.
Oct. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.140	0.110	0.480	0.070	0.050	0.085	0.080	0.075	0.040	0.060	1.190	7
" 6,	0.140	0.200	0.150	0.250	0.355	0.225	0.125	0.095	0.035	0.080	0.105	0.195	0.165	0.305	0.335	0.725	0.840	0.430	0.320	0.050	0.050	0.005	0.015	0.020	5.215	21
" 7,	0.025	0.005	0.015	0.025	0.005	...	...	...	...	...	...	...	...	...	...	...	0.045	0.125	0.010	0.020	0.055	0.225	...	0.095	0.650	10
" 8,	0.005	0.010	0.010	...	...	0.040	0.015	0.005	...	...	...	...	...	...	0.025	...	0.085	...	...	...	...	...	...	...	0.195	6
" 9,	...	...	0.015	0.005	...	...	...	...	...	...	...	...	0.025	...	...	0.015	0.010	0.005	...	...	...	...	...	...	0.075	5
" 10,	...	...	...	...	0.070	0.030	0.005	0.050	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.155	3
" 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 12,	...	0.035	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.035	1
" 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
" 15,	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	3
" 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 18,	...	...	...	...	...	0.060	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.065	1
" 19,	0.010	...	...	0.015	...	...	...	...	...	0.005	...	...	0.005	...	...	...	...	...	...	0.065	0.005	...	...	...	0.105	6
" 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	0.005	1
" 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 31,	...	...	...	...	...	...	0.005	0.005	0.050	...	...	...	0.055	0.020	...	...	...	...	...	...	...	0.050	0.025	...	0.210	6
Sums,	0.180	0.250	0.190	0.295	0.430	0.360	0.155	0.155	0.085	0.085	0.105	0.195	0.250	0.325	0.500	0.850	1.465	0.630	0.380	0.220	0.190	0.355	0.080	0.175	7.905	71

The daily duration of rain is entered from estimation.

5th 5 p.—6th 10 a.—Owing to receiver becoming choked by debris during a heavy gale, and to breakage of clock line, the recorder was not working. The hourly values are approximate only and are distributed by estimation from measurements of spare gauge made every 3 hours.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF OCTOBER, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Oct. 1	5	9	6	13	6	10	4	11	6	13	6	16	5	15	6	17	7	21	7	20	8	27	8	23	8	25	7	20	10	18	10	20	9	20	8	17	8	19	9	17	9	17	7	17	8	19	6	12	416	17.3	7
„ 2	6	9	5	8	5	14	6	18	6	18	6	19	6	19	5	17	6	26	7	28	6	28	6	26	7	29	7	25	8	25	9	24	9	23	10	13	10	18	10	18	8	16	8	13	8	13	11	11	458	19.1	7
„ 3	7	14	8	19	7	24	7	21	5	20	5	18	6	24	6	24	7	22	8	19	9	21	9	22	9	21	10	21	10	16	10	18	10	18	10	13	9	9	10	10	9	14	8	10	7	5	...	0	403	16.8	8
„ 4	...	1	...	0	7	3	1	4	1	3	31	6	28	8	27	5	30	7	31	15	28	12	27	7	16	7	9	7	10	7	14	10	15	5	15	4	...	1	24	4	24	2	...	1	...	0	24	3	122	5.1	29
„ 5	16	4	9	16	10	10	5	6	4	7	32	9	32	17	1	17	2	27	5	31	5	35	5	35	4	29	3	31	3	29	3	36	7	52	5	48	5	48	6	51	5	51	6	50	5	54	5	58	751	31.3	5
„ 6	6	63	6	64	6	60	6	60	7	66	9	50	7	65	7	60	7	60	8	59	7	57	8	62	9	61	9	59	10	61	9	54	12	44	12	44	11	37	11	43	12	38	12	36	12	40	12	40	1283	53.5	9
„ 7	12	37	12	33	13	29	13	29	13	25	13	26	14	23	13	25	14	26	14	23	14	20	14	21	14	22	14	19	15	12	15	16	14	19	14	19	15	18	15	15	15	17	15	15	15	13	15	13	515	21.5	14
„ 8	15	15	15	11	15	14	16	13	15	12	15	11	15	8	15	11	16	9	16	9	15	11	15	8	14	8	15	8	15	8	14	8	14	8	14	5	13	10	13	9	13	7	13	9	13	7	14	9	228	9.5	15
„ 9	15	6	15	5	14	4	11	5	11	5	13	5	...	1	13	2	13	3	15	8	27	12	26	11	26	12	26	11	27	13	26	12	26	11	26	12	27	11	27	8	28	8	28	3	...	0	28	2	170	7.1	25
„ 10	30	2	30	6	1	11	1	13	30	10	31	4	32	6	1	8	27	10	30	8	27	9	31	12	26	6	1	9	32	14	31	14	31	10	32	13	32	9	31	8	31	5	32	8	1	16	1	17	228	9.5	31
„ 11	32	16	31	12	32	12	31	9	1	6	32	2	30	9	31	10	1	9	32	19	1	21	32	23	1	21	31	16	31	14	31	10	31	10	30	13	30	12	31	13	30	14	28	19	30	22	29	22	334	13.9	31
„ 12	31	16	29	11	29	17	29	24	28	23	28	25	28	25	29	25	28	24	27	20	27	23	27	25	27	24	27	21	27	22	27	20	27	21	27	15	29	15	29	13	30	12	32	10	31	8	32	6	445	18.5	28
„ 13	31	5	31	5	32	7	30	4	...	1	31	5	1	7	32	10	32	9	32	7	20	4	...	1	24	7	23	3	10	5	10	6	1	9	2	7	2	9	1	9	32	2	...	0	32	2	13	6	130	5.4	32
„ 14	6	12	6	10	9	14	5	15	3	17	3	9	5	11	5	18	5	22	7	22	8	21	7	23	8	18	7	15	10	12	10	13	10	14	10	14	9	11	7	10	8	14	8	12	6	16	7	12	355	14.8	7
„ 15	7	15	7	19	7	17	7	22	6	22	6	19	6	21	7	22	7	24	7	23	7	21	9	20	9	22	10	21	9	20	9	19	10	17	11	14	10	14	12	11	10	11	11	14	10	15	9	17	440	18.3	8
„ 16	7	15	8	16	7	16	8	19	8	21	7	16	9	19	6	18	7	16	7	19	7	22	9	18	8	17	10	18	10	16	9	18	7	14	7	14	7	17	9	21	9	23	9	25	9	21	9	21	440	18.3	8
„ 17	8	21	9	20	8	20	7	19	7	22	7	20	7	22	7	21	7	20	7	24	7	22	7	23	8	20	9	22	9	18	9	17	9	16	7	16	9	15	7	13	7	13	7	12	7	13	8	11	440	18.3	8
„ 18	9	7	11	4	...	1	...	0	...	1	4	5	2	3	5	13	7	13	7	14	7	13	9	17	10	15	10	15	10	14	10	14	8	10	7	11	9	10	10	5	5	5	2	4	...	0	14	2	196	8.2	8
„ 19	12	8	4	15	4	14	2	6	2	2	6	11	6	13	6	14	6	11	4	14	7	12	5	8	5	8	7	13	5	15	7	16	6	15	6	17	6	13	1	12	7	9	...	0	7	3	7	8	257	10.7	6
„ 20	1	5	4	9	1	4	1	4	3	7	3	5	3	5	2	4	2	4	2	4	7	9	5	7	32	8	7	6	1	7	23	6	23	3	29	8	32	8	1	9	1	15	1	20	1	20	2	17	194	8.1	2
„ 21	2	14	5	8	2	16	1	18	3	12	3	8	2	7	31	8	32	9	32	9	5	13	5	14	10	7	5	4	23	10	22	7	13	10	6	8	6	4	3	6	3	5	1	7	1	5	3	3	212	8.8	3
„ 22	6	8	7	20	7	26	7	25	6	27	6	20	6	16	4	16	6	22	6	21	8	14	7	16	9	19	9	19	7	17	7	14	7	12	5	12	5	9	6	16	7	29	5	23	5	14	6	18	433	18.0	6
„ 23	5	25	7	27	6	28	5	22	7	24	5	20	5	20	6	22	7	21	7	21	7	19	8	21	8	21	8	19	8	20	8	18	8	22	8	21	8	23	8	21	6	19	7	26	7	24	7	27	531	22.1	7
„ 24	7	22	7	25	7	24	7	25	7	21	6	20	7	22	6	24	6	24	6	24	7	22	7	21	7	20	8	18	8	16	8	17	8	16	7	17	8	12	7	12	7	11	7	12	7	14	6	11	450	18.7	7
„ 25	6	10	6	6	6	10	6	9	6	11	7	14	6	11	7	16	7	14	9	16	9	14	10	16	10	14	9	10	9	9	7	7	8	6	8	9	9	10	9	7	9	7	10	7	9	7	10	4	244	10.2	8
„ 26	9	4	7	6	7	8	32	9	1	18	2	17	2	13	3	10	5	16	4	15	4	12	4	8	4	7	1	11	32	8	32	9	32	6	30	4	30	2	4	6	32	12	3	13	32	9	2	8	231	9.6	2
„ 27	30	6	31	8	2	4	1	7	1	6	1	9	2	2	1	2	23	5	23	10	23	10	25	9	23	11	23	8	22	8	23	4	22	5	10	8	9	8	9	6	3	6	2	7	2	7	1	11	167	7.0	29
„ 28	1	14	1	10	1	7	1	14	1	9	1	7	1	4	1	7	1	6	10	11	9	16	10	14	10	14	10	15	9	13	9	14	8	16	8	12	7	9	6	9	4	6	7	14	7	17	7	21	279	11.6	6
„ 29	6	20	7	16	5	15	5	14	3	7	4	7	3	5	2	4	10	4	6	6	7	14	9	13	9	9	10	9	9	9	23	8	23	8	9	10	9	11	7	11	6	11	6	7	4	5	3	5	228	9.5	7
„ 30	3	6	2	8	1	8	1	14	32	14	1	11	32	16	32	16	1	15	32	10	32	12	31	13	32	11	32	15	1	14	1	11	1	7	1	6	7	9	9	5	2	8	1	15	32	24	1	24	292	12.2	1
„ 31	1	27	1	31	32	29	1	25	32	28	1	23	1	23	1	17	32	18	32	15	32	23	32	17	32	12	32	15	1	18	3	12	5	6	2	12	1	16	1	13	6	12	4	12	2	7	32	9	420	17.5	1
Sums	...	436	...	461	...	476	...	484	...	478	...	137	...	460	...	483	...	517	...	544	...	569	...	554	...	525	...	503	...	488	...	472	...	453	...	436	...	417	...	411	...	419	...	421	...	420	...	428	11292	470.5	...
Means	...	14.1	...	14.9	...	15.4	...	15.6	...	15.4	...	14.1	...	14.8	...	15.6	...	16.7	...	17.5	...	18.4	...	17.9	...	16.9	...	16.2	...	15.7	...	15.2	...	14.6	...	14.1	...	13.5	...	13.3	...	13.5	...	13.6	...	13.5	...	13.8	364.3	15.2	...

TABLE VIII.

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
1896.												
Oct. 1, ...	2	c-cum. / cum.	...	5	c-cum. / cum.	E	9	c-cum. / cum.	E	8	c-cum. / cum.	SSE / E
„ 2, ...	0	...	...	6	cum.	ENE	7	cum.	ENE	8	cum.	E
„ 3, ...	1	cum.	...	4	cum.	E	2	cum.	ENE	1	cum.	E
„ 4, ...	1	cum.	...	1	cum.	...	4	c-cum.	...	8	c-cum. / cum.	NNE / NE
„ 5, ...	2	c-cum.	...	6	cum.	...	8	sm-cum.	E	8	c-cum. / cum.	ENE
„ 6, ...	10	nim.	...	10	nim.	E	10	cum-nim.	ESE	10	nim.	ESE
„ 7, ...	10	nim.	...	10	nim.	...	10	cum.	SSE	10	c-str. / cum.	S
„ 8, ...	10	cum-nim.	...	10	cum-nim.	...	10	nim.	S	10	cum.	S
„ 9, ...	8	cum.	...	8	cum-nim.	...	10	sm-cum. / cum.	S	10	sm-cum. / cum.	SSE
„ 10, ...	9	cum.	...	9	cum.	...	10	nim.	...	8	sm-cum.	NNE
„ 11, ...	0	...	...	3	cum.	...	9	sm-cum. / cum.	E / N	9	sm-cum. / cum.	ENE / ..
„ 12, ...	10	nim.	NNE	9	cum.	NNE	9	sm-cum. / cum.	N	8	c-cum. / cum.	N
„ 13, ...	0	...	...	0	...	...	1	c-cum.	...	0	...	...
„ 14, ...	7	cum.	...	4	cum.	...	3	sm-cum.	SSE	8	sm-cum. / cum.	ENE
„ 15, ...	10	nim.	E	1	cum.	...	2	cum.	...	2	cum.	E
„ 16, ...	9	cum.	E	9	cum.	E	8	cum. / cum-nim.	E	9	sm-cum. / cum.	E
„ 17, ...	2	cum.	E	7	cum.	E	3	sm-cum.	...	6	cum.	E
„ 18, ...	2	cum.	E	1	cum.	...	10	cum.	ESE	7	cum.	E
„ 19, ...	9	cum-nim.	E	10	nim.	...	10	cum.	E	10	nim.	E
„ 20, ...	8	cum. / cum-nim.	NE / NNE	1	cum.	...	7	cum.	ENE	4	c-cum. / cum.	ENE
„ 21, ...	0	...	...	2	c-cum.	WNW	1	sm-cum.	...	1	sm-cum.	...
„ 22, ...	10	cum.	E	10	cum.	ENE	10	c-str. / sm-cum.	ENE	9	c-cum.	...
„ 23, ...	10	cum.	E	10	cum.	E	8	sm-cum. / cum.	ENE	9	sm-cum. / nim.	E
„ 24, ...	10	sm-cum. / cum.	E	10	cum.	E	7	sm-cum. / cum.	E	5	c-cum. / cum.	E
„ 25, ...	3	cum.	ESE	3	cum.	E	2	cum.	E	3	cum.	E
„ 26, ...	10	cum-nim.	NNE	10	cum.	ENE	2	sm-cum. / cum.	E	2	sm-cum.	E
„ 27, ...	8	sm-cum.	N	0	...	...	0	...	...	0	...	...
„ 28, ...	7	sm-cum.	E	0	...	...	1	sm-cum.	...	0	...	...
„ 29, ...	5	sm-cum. / cum.	ENE / ..	4	cum.	NE	2	cum.	NE	1	cum.	NE
„ 30, ...	3	sm-cum.	S	10	cum.	...	9	sm-cum. / cum.	E	9	sm-cum. / cum.	E
„ 31, ...	10	cum.	...	10	cum.	...	10	str.	...	10	c-cum. / str.	...
Means, ...	6.0	...	...	5.9	...	...	6.3	...	...	6.2	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
Oct. 1,...	3	c-cum. / cum.	NE	3	c-cum. / cum.	E	3	cum.	...	0	...	...	4.1
„ 2,...	2	cum.	E	2	cum.	E	0	...	...	0	...	...	3.1
„ 3,...	3	sm-cum. / cum.	NNE / ..	4	sm-cum.	NNE	3	cum.	...	1	cum.	...	2.4
„ 4,...	6	sm-cum. / cum.	NE	9	sm-cum. / cum.	E / N	4	sm-cum.	...	3	sm-cum.	...	4.5
„ 5,...	9	c-str. / cum.	ENE	10	R-cum.	ENE	10	R-cum.	...	10	nim.	E	7.9
„ 6,...	10	nim.	ESE	10	nim.	SE	10	nim.	SE	10	nim.	SE	10.0
„ 7,...	10	cum.	S	10	sm-cum. / cum.	S	10	nim.	S	10	nim.	S	10.0
„ 8,...	10	cum.	S	10	c-cum. / nim.	S	1	cum.	...	2	cum.	...	7.9
„ 9,...	10	cum. / nim.	SSE / NW	10	nim.	...	10	cum-nim.	...	5	cum.	...	8.9
„ 10,...	4	c-cum. / sm-cum.	NNE	4	c-cum. / sm-cum.	NE	2	sm-cum. / cum.	...	2	cum.	...	6.0
„ 11,...	9	sm-cum. / cum.	NE	9	sm-cum. / cum.	NNE	8	c-str. / cum.	...	10	str-cum.	...	7.1
„ 12,...	7	c-cum. / cum.	N	7	c-str. / sm-cum.	...	7	c-str. / cum.	...	3	c-cum.	...	7.5
„ 13,...	1	cum.	...	2	c-cum. / cum.	...	2	c-cum.	...	8	sm-cum.	SE	1.7
„ 14,...	4	sm-cum.	WNW	9	sm-cum.	W	9	sm-cum. / cum.	ENE	10	nim.	...	6.8
„ 15,...	7	sm-cum. / cum.	E	1	cum.	ESE	4	cum.	ESE	10	cum.	E	4.6
„ 16,...	7	c-cum. / cum.	W / E	4	cum.	E	7	cum.	E	8	cum.	E	7.6
„ 17,...	7	sm-cum. / cum.	E	2	sm-cum. / cum.	E	1	cum.	E	1	cum.	...	3.6
„ 18,...	5	cum.	E	2	sm-cum. / cum.	E	1	cum.	...	5	cum.	E	4.1
„ 19,...	10	cum-nim.	E	10	str. / cum.	E	10	str. / cum.	NE	9	cum.	NNE	9.7
„ 20,...	2	c-str. / cum.	ENE	2	cum.	N	0	...	...	0	...	...	3.0
„ 21,...	2	c-str. / sm-cum.	...	7	c-cum. / cum.	N	9	c-str. / cum.	...	10	c-str. / cum.	E	4.0
„ 22,...	8	sm-cum.	E	10	sm-cum. / cum.	E	9	c-str. / cum.	WSW / ..	9	c-cum. / cum.	ENE	9.4
„ 23,...	8	sm-cum. / cum.	E	4	sm-cum. / cum.	ENE	2	sm-cum. / cum.	ENE	4	c-cum. / cum.	E	6.9
„ 24,...	7	c-cum. / cum.	ESE	8	sm-cum. / cum.	SE / ..	2	c-cum. / cum.	...	4	c-cum. / cum.	E	6.6
„ 25,...	2	cum.	ESE	2	cum.	...	0	...	...	0	...	...	1.9
„ 26,...	10	cum.	E	9	cum.	NNE	7	cum.	NE	9	sm-cum. / cum.	NNE	7.4
„ 27,...	1	cum.	...	7	cum.	N	3	sm-cum.	...	9	cum.	NNE	3.5
„ 28,...	7	cum.	...	6	cum.	N	0	...	...	8	cum.	NE	3.6
„ 29,...	0	...	...	0	...	...	0	...	...	1	cum.	...	1.6
„ 30,...	8	sm-cum.	ESE	10	sm-cum.	...	4	sm-cum.	...	2	sm-cum.	...	6.9
„ 31,...	10	nim.	...	10	str-cum.	NE	10	R-cum.	...	10	nim.	...	10.0
Means,...	6.1	...	...	6.2	...	...	4.8	...	...	5.6	...	...	5.9

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF OCTOBER, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	6.0	9.4	1.9	0.2	+ 4.1	+ 9.2	E 24° N
2 „	5.4	10.9	1.5	0.4	3.9	10.5	E 20° N
3 „	6.5	10.5	1.6	0.3	4.9	10.2	E 26° N
4 „	7.7	9.8	1.3	0.5	6.4	9.3	E 35° N
5 „	7.2	10.0	1.2	0.6	6.0	9.4	E 33° N
6 „	6.7	9.1	1.5	0.7	5.2	8.4	E 32° N
7 „	7.1	9.5	1.1	0.9	6.0	8.6	E 35° N
8 „	7.7	10.1	1.1	0.7	6.6	9.4	E 35° N
9 „	7.0	11.3	1.2	1.1	5.8	10.2	E 30° N
10 „	6.0	12.2	1.5	1.1	4.5	11.1	E 22° N
11 „	5.6	13.3	1.4	1.8	4.2	11.5	E 20° N
Noon.	5.0	12.9	1.7	1.6	3.3	11.3	E 16° N
1 p.	3.6	12.0	2.6	1.7	1.0	10.3	E 5° N
2 „	4.0	11.5	2.9	1.3	1.1	10.2	E 6° N
3 „	4.2	10.5	3.1	1.6	1.1	8.9	E 7° N
4 „	3.5	10.4	3.1	1.8	+ 0.4	8.6	E 3° N
5 „	2.6	10.4	3.3	1.5	− 0.7	8.9	E 4° S
6 „	4.1	9.9	2.8	1.1	+ 1.3	8.8	E 8° N
7 „	3.8	9.7	2.4	0.7	1.4	9.0	E 9° N
8 „	4.0	9.4	2.5	0.7	1.5	8.7	E 10° N
9 „	4.6	9.6	2.1	0.6	2.5	9.0	E 16° N
10 „	5.0	9.3	2.0	0.5	3.0	8.8	E 18° N
11 „	5.7	8.8	1.9	0.3	3.8	8.5	E 25° N
Midt.	5.6	8.9	2.3	0.5	+ 3.3	+ 8.4	E 22° N
Means,.....	5.4	10.4	2.0	0.9	+ 3.36	+ 9.47	E 20° N

PHENOMENA :—

Solar halo :—on the 7th.

Lunar halo :—on the 10th, 11th, 12th, 21st and 29th.

Lunar corona :—on the 12th, 13th, 22nd and 23rd.

Fog :—on the 8th.

Haze :—on the 4th.

Unusual Visbility :—on the 13th.

Dew :—on the 4th, 18th and 25th.

Rainbow :—on the 18th.

Lightning without thunder :—on the 1st, 2nd, 3rd, 5th, 7th and 8th.

Thunder without lightning :—on the 7th.

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF NOVEMBER, 1896.

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,...	30.027	30.009	29.995	29.995	30.009	30.031	30.050	30.048	30.068	30.067	30.048	30.030	29.999	29.978	29.970	29.982	29.987	29.997	30.016	30.027	30.040	30.035	30.036	30.023	30.019
„ 2,...	.011	.011	.994	.992	29.990	29.991	.008	.008	.016	.016	.003	29.979	.951	.933	.920	.924	.955	.967	29.973	29.991	29.997	.001	29.994	29.981	29.984
„ 3,...	29.963	29.953	.939	.934	.939	.959	29.969	29.996	.000	29.998	29.993	.960	.928	.907	.901	.910	.918	.938	.954	.971	.979	29.979	.982	.969	.956
„ 4,...	.963	.949	.937	.945	.951	.961	.973	30.001	.009	30.015	30.009	.993	.967	.949	.941	.955	.970	.984	30.000	30.025	30.025	30.027	30.023	30.016	.983
„ 5,...	.987	.983	.983	.965	.974	30.001	30.017	.030	.046	.038	.018	.989	.963	.951	.949	.943	.948	.951	29.973	29.982	29.990	29.994	29.995	29.979	.985
„ 6,...	.974	.965	.942	.925	.937	29.956	29.961	29.976	.008	.014	.004	.979	.963	.941	.944	.957	.956	.948	.968	.978	.984	.992	.992	.995	.969
„ 7,...	.987	.974	.961	.964	.963	.986	30.003	30.015	.035	.036	.020	.993	.975	.963	.968	.968	.971	.973	.989	.993	30.005	30.015	30.012	30.000	.990
„ 8,...	.997	.987	.981	.989	.998	30.011	.032	.042	.057	.057	.046	30.028	30.010	30.000	.996	30.001	30.016	30.024	30.040	30.058	.067	.079	.072	.068	30.027
„ 9,...	30.061	30.047	30.035	30.034	30.045	.062	.074	.087	.099	.100	.081	.070	.038	.030	30.021	.014	.027	.027	.044	.048	.054	.066	.058	.043	.053
„ 10,...	.023	.017	.010	.009	.013	.040	.050	.062	.078	.067	.056	.035	.006	29.985	29.984	29.984	29.983	29.991	.005	.005	.011	.005	29.995	29.990	.017
„ 11,...	29.973	29.955	29.929	29.925	29.932	29.954	29.975	29.986	.001	29.997	29.995	29.947	29.922	.911	.909	.926	.933	.941	29.951	29.967	29.977	29.981	.970	.950	29.954
„ 12,...	.945	.920	.910	.906	.910	.932	.956	.967	29.981	.988	.986	.972	.946	.944	.936	.941	.945	.945	.958	.980	.984	.984	.981	.972	.954
„ 13,...	.974	.957	.946	.942	.946	.967	.987	30.003	30.014	30.022	30.013	.984	.956	.934	.930	.934	.954	.973	.994	30.006	30.005	30.005	30.009	.967	.976
„ 14,...	.954	.934	.929	.903	.905	.922	.928	29.959	29.950	29.938	29.949	.923	.884	.886	.883	.887	.886	.900	.908	29.906	29.890	29.894	29.890	.883	.912
„ 15,...	.869	.854	.830	.814	.814	.845	.879	.894	.904	.905	.892	.870	.834	.820	.816	.834	.851	.853	.875	.883	.885	.890	.880	.878	.861
„ 16,...	.867	.852	.851	.854	.868	.894	.926	.932	.948	.952	.935	.923	.885	.867	.869	.882	.890	.909	.929	.949	.951	.960	.966	.966	.909
„ 17,...	.961	.961	.943	.939	.948	.966	.993	.994	30.013	30.016	.994	.981	.947	.928	.935	.927	.928	.952	.959	.981	.974	.984	.986	.965	.966
„ 18,...	.972	.968	.954	.951	.951	.977	30.000	30.016	.018	.034	30.006	.972	.949	.931	.931	.940	.953	.968	.981	30.002	30.010	30.011	30.010	30.006	.980
„ 19,...	30.003	.989	.981	.977	.990	.998	.017	.023	.029	.028	.013	.983	.955	.935	.927	.934	.935	.958	.972	29.991	.005	.009	29.991	29.985	.984
„ 20,...	29.985	.980	.963	.955	.955	.980	29.994	29.995	.008	.003	29.983	.964	.919	.898	.888	.890	.893	.899	.919	.936	29.938	29.943	.947	.946	.949
„ 21,...	.931	.920	.917	.906	.912	.933	.944	.954	29.968	29.967	.943	.908	.876	.852	.832	.840	.848	.866	.885	.896	.901	.907	.905	.891	.904
„ 22,...	.875	.879	.873	.861	.868	.862	.878	.894	.903	.902	.886	.855	.826	.814	.798	.807	.816	.826	.832	.854	.856	.860	.846	.847	.855
„ 23,...	.858	.840	.833	.833	.850	.871	.893	.895	.920	.912	.903	.882	.857	.837	.829	.841	.842	.850	.860	.876	.888	.900	.891	.887	.868
„ 24,...	.853	.871	.868	.857	.864	.883	.889	.909	.923	.923	.913	.887	.862	.848	.838	.833	.834	.839	.858	.864	.866	.861	.862	.853	.870
„ 25,...	.838	.822	.810	.807	.802	.807	.822	.842	.849	.842	.823	.788	.745	.715	.701	.701	.702	.711	.726	.738	.739	.740	.729	.722	.772
„ 26,...	.715	.709	.695	.692	.698	.709	.739	.759	.769	.763	.750	.724	.704	.689	.693	.700	.725	.751	.771	.799	.821	.825	.840	.840	.745
„ 27,...	.843	.844	.845	.855	.876	.893	.921	.952	.972	.975	.957	.937	.915	.894	.876	.886	.902	.917	.936	.954	.968	.970	.967	.966	.918
„ 28,...	.964	.954	.954	.969	.980	.991	30.010	30.003	30.053	30.038	30.028	.991	.980	.972	.962	.970	.985	.994	30.013	30.021	30.024	30.025	30.014	30.004	.996
„ 29,...	30.004	.987	.979	.976	.977	.987	.010	.026	.034	.032	.016	.992	.953	.936	.918	.938	.930	.955	29.959	29.971	29.965	29.979	29.972	29.956	.977
„ 30,...	29.944	.933	.922	.920	.911	.925	29.957	29.968	29.984	29.975	29.949	.916	.892	.875	.867	.869	.886	.905	.920	.934	.945	.946	.947	.945	.926
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,.....	29.944	29.934	29.924	29.920	29.926	29.943	29.962	29.975	29.989	29.987	29.974	29.948	29.920	29.904	29.898	29.904	29.912	29.924	29.939	29.953	29.958	29.962	29.959	29.950	29.942

TABLE II.

TEMPERATURE FOR THE MONTH OF NOVEMBER, 1896.

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,.....	65.7	66.5	66.9	66.7	66.5	68.1	68.2	69.2	69.1	72.2	73.9	73.8	75.0	75.1	74.7	73.6	72.3	71.2	72.2	71.3	71.8	72.2	72.6	72.7	70.9	75.7	65.7
„ 2,.....	72.9	73.0	72.8	73.1	72.9	73.1	73.2	73.6	74.1	75.2	74.3	75.6	76.3	75.7	74.9	74.3	74.3	74.0	73.6	73.3	73.4	73.7	73.6	73.6	73.9	77.8	71.7
„ 3,.....	73.5	73.9	73.8	74.0	73.7	74.0	75.0	75.1	76.8	77.3	77.3	78.2	77.7	77.6	77.8	76.9	76.6	75.9	76.2	76.6	76.5	75.3	75.0	74.7	75.8	79.6	72.5
„ 4,.....	74.5	74.6	74.0	73.4	72.9	72.7	74.2	75.5	74.5	75.7	75.5	75.3	76.2	76.1	76.8	75.0	73.2	73.0	73.0	72.6	72.3	73.6	73.9	73.6	74.3	77.3	72.3
„ 5,.....	73.5	73.3	72.9	72.6	72.7	72.5	72.0	71.6	71.7	72.0	71.9	72.8	73.1	72.8	72.7	72.8	72.3	72.5	72.0	71.9	71.9	72.2	71.6	71.5	72.4	73.9	71.4
„ 6,.....	71.5	71.5	70.9	70.2	70.6	69.9	70.9	70.4	70.7	70.0	70.2	70.6	71.1	71.0	70.6	72.0	72.0	71.9	72.1	72.3	72.3	72.5	72.5	72.4	71.3	73.0	68.8
„ 7,.....	72.4	72.3	72.3	72.3	72.2	72.1	72.3	73.1	74.1	74.2	75.8	75.9	75.0	74.9	74.3	73.9	73.9	73.1	73.4	73.5	73.3	73.2	73.3	73.0	73.5	76.4	71.4
„ 8,.....	73.0	73.1	72.7	72.9	72.7	72.7	73.8	75.2	76.2	77.2	77.1	78.1	76.9	76.5	77.1	76.8	75.6	74.6	74.5	74.5	74.4	74.4	74.4	74.1	74.9	78.4	72.0
„ 9,.....	74.0	73.8	73.4	73.4	72.9	72.7	73.9	74.6	74.5	75.3	75.1	76.1	76.3	76.2	75.9	74.8	74.0	73.3	73.6	73.5	73.6	73.4	73.4	73.2	74.2	77.3	71.6
„ 10,.....	73.0	72.9	72.4	71.6	71.3	71.3	71.9	73.2	73.6	74.1	73.9	74.0	74.4	73.5	73.7	73.9	74.1	72.2	72.0	71.9	71.7	72.1	72.4	72.3	72.8	75.2	70.6
„ 11,.....	72.3	72.1	71.8	71.7	71.7	71.9	72.2	72.6	72.9	74.1	73.8	73.7	74.0	73.7	73.0	73.1	72.7	72.3	72.2	72.0	72.5	72.2	72.4	72.5	72.6	74.9	71.2
„ 12,.....	72.5	72.6	72.4	72.6	72.4	71.9	72.3	72.7	73.2	73.6	74.4	74.2	74.1	74.7	74.7	74.1	73.3	72.6	72.6	73.8	72.6	72.7	72.6	72.5	73.1	76.2	71.6
„ 13,.....	72.4	71.9	71.7	71.8	71.7	71.5	71.6	71.9	72.8	73.3	74.1	74.4	74.9	75.5	74.3	73.5	73.2	73.0	73.3	73.0	72.9	73.1	72.7	72.6	73.0	75.8	71.5
„ 14,.....	72.0	71.9	71.9	72.3	71.9	72.5	72.6	72.7	73.0	73.3	72.8	72.5	72.7	72.5	72.4	72.8	73.0	73.0	72.7	72.5	71.9	72.1	72.0	72.1	72.5	73.6	71.5
„ 15,.....	70.3	70.9	70.0	68.7	69.1	69.5	70.2	70.6	71.3	69.1	69.6	71.7	72.5	71.5	71.3	69.2	69.5	68.9	69.1	69.1	68.7	68.2	68.7	68.0	69.8	74.0	67.7
„ 16,.....	67.8	67.8	67.3	66.6	66.1	65.4	67.6	69.7	70.6	72.0	73.9	74.3	74.0	74.8	74.1	73.1	70.9	69.3	68.0	66.4	65.5	65.6	65.1	64.7	69.2	76.7	64.0
„ 17,.....	64.5	64.1	63.4	62.9	62.1	61.8	63.7	65.1	68.1	71.7	73.9	72.2	72.4	71.7	70.7	69.6	68.7	67.1	66.7	66.6	66.5	66.5	66.1	66.5	67.2	75.7	61.7
„ 18,.....	65.7	65.7	65.8	66.2	66.1	66.5	66.7	69.9	72.6	72.0	72.6	73.5	74.7	74.6	73.8	71.7	70.9	70.6	70.0	69.9	69.8	68.3	67.9	67.7	69.7	76.8	65.2
„ 19,.....	67.8	67.0	66.9	67.1	67.3	68.0	68.2	69.4	71.1	71.8	72.6	72.6	72.8	72.8	71.7	71.6	71.1	70.7	69.9	69.0	68.1	67.4	67.8	69.0	69.7	74.4	66.5
„ 20,.....	69.3	69.5	67.8	67.4	67.5	67.6	68.7	71.6	72.5	74.2	75.1	75.2	75.3	74.3	74.7	74.2	72.3	70.2	70.2	69.6	69.1	68.1	67.5	67.9	70.8	76.6	66.1
„ 21,.....	68.2	68.2	68.3	67.9	67.9	67.9	68.9	71.6	72.9	73.3	74.5	74.1	73.9	75.1	73.7	73.6	71.9	70.2	69.7	69.0	68.2	67.6	67.5	66.9	70.5	76.0	66.9
„ 22,.....	67.0	66.4	65.6	66.1	66.2	66.5	68.6	71.5	71.9	72.2	74.1	74.0	74.2	73.7	72.8	70.6	70.9	70.6	69.9	69.5	69.0	68.2	67.9	66.9	69.8	76.1	65.3
„ 23,.....	67.1	66.8	66.7	67.0	67.7	69.0	69.7	70.5	70.8	71.3	71.6	71.5	71.2	72.6	72.4	71.6	70.8	70.7	70.2	70.1	70.4	70.7	70.9	71.0	70.1	73.4	65.7
„ 24,.....	70.9	70.8	70.3	70.2	69.7	69.6	70.1	69.9	70.7	71.2	71.7	74.1	73.3	72.6	72.5	71.3	70.6	70.4	71.0	71.2	71.3	71.3	71.6	71.8	71.2	74.1	68.8
„ 25,.....	71.6	71.5	71.7	71.5	71.3	71.1	71.0	70.7	71.8	72.9	74.8	74.4	73.9	75.6	73.9	73.9	72.5	73.1	73.6	75.3	76.2	75.6	75.8	76.2	73.3	77.0	70.3
„ 26,.....	76.2	76.0	74.7	75.9	75.5	74.9	75.3	75.2	76.6	75.3	76.0	76.4	76.9	74.4	74.0	73.5	74.0	73.1	73.0	73.1	72.6	72.9	71.7	71.2	74.5	78.0	71.2
„ 27,.....	71.7	69.9	69.0	68.8	68.5	67.6	68.6	70.4	71.7	73.3	74.8	74.9	73.8	74.1	72.8	71.6	71.0	70.5	70.4	70.5	70.3	70.2	70.4	70.4	71.0	78.1	67.1
„ 28,.....	70.5	70.5	70.4	70.5	70.3	69.9	69.8	70.2	70.3	70.7	70.6	70.4	70.3	70.5	69.9	70.3	69.5	69.5	69.1	68.9	69.6	69.5	69.3	68.7	70.0	71.9	68.3
„ 29,.....	68.4	68.0	68.0	68.1	67.9	68.5	69.0	69.3	69.7	71.0	69.6	70.9	70.8	71.0	71.0	70.1	70.1	70.0	69.8	70.5	70.3	69.8	69.8	69.7	69.6	71.5	66.7
„ 30,.....	70.2	70.2	70.3	70.3	70.0	70.0	70.1	70.2	70.9	71.6	71.3	70.1	70.3	70.5	70.6	69.6	69.0	68.3	68.1	67.9	68.2	67.9	67.5	67.0	69.6	72.0	67.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	70.7	70.6	70.2	70.1	70.0	70.0	70.7	71.6	72.4	73.0	73.6	73.8	73.9	73.9	73.4	72.8	72.1	71.5	71.4	71.3	71.2	71.0	70.9	70.8	71.7	75.6	68.7

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF NOVEMBER, 1896.

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.	Solar Max.
Nov. 1, ...	64.7	64.8	65.0	64.2	64.1	63.9	64.0	64.9	64.5	65.3	65.7	66.0	66.1	66.7	66.9	67.0	66.7	66.7	66.5	67.0	67.0	67.3	68.2	68.5	65.9	117.9
„ 2, ...	69.0	68.2	68.1	68.2	68.2	68.4	68.6	68.1	68.8	70.0	68.7	69.5	69.9	70.0	69.8	69.1	69.2	68.8	68.9	69.1	69.5	69.3	69.5	69.5	69.0	145.3
„ 3, ...	69.7	69.8	69.7	69.7	69.7	70.1	70.5	70.8	71.0	71.2	70.8	72.3	71.8	71.0	71.7	71.3	71.0	71.3	71.4	71.5	71.3	71.2	71.1	71.5	70.9	137.1
„ 4, ...	71.3	71.5	71.0	70.5	69.6	69.7	69.7	70.7	70.7	70.2	70.3	70.2	70.3	70.2	70.7	69.3	68.9	68.2	68.3	68.0	67.6	67.2	67.7	66.7	69.5	114.0
„ 5, ...	65.7	65.7	65.7	66.5	66.3	66.3	65.7	65.3	65.0	65.5	65.4	64.8	65.1	65.2	65.3	66.2	64.5	65.1	65.1	65.4	66.1	66.0	66.3	66.4	65.6	110.2
„ 6, ...	67.1	67.5	67.6	67.7	67.3	68.0	67.7	67.9	67.9	66.8	67.0	67.2	67.9	67.8	67.7	67.9	68.3	68.2	68.0	67.8	67.8	67.7	67.9	67.8	67.7	85.1
„ 7, ...	67.7	67.7	67.5	67.2	66.9	66.7	67.0	67.3	67.9	66.8	68.1	67.7	68.1	67.9	68.2	68.0	69.2	68.9	68.5	69.0	69.4	69.6	69.6	69.4	68.1	131.3
„ 8, ...	69.1	69.3	69.2	68.9	68.9	69.0	69.0	69.6	69.3	70.0	68.7	70.6	69.5	69.4	69.5	69.7	68.2	68.5	69.0	68.6	69.2	68.3	68.7	69.3	69.1	131.7
„ 9, ...	69.3	68.7	68.0	67.6	66.5	66.3	66.7	66.8	67.3	67.6	67.6	67.8	68.2	68.0	68.1	67.4	67.7	67.5	68.5	69.1	69.0	68.5	68.4	68.1	67.9	130.8
„ 10, ...	67.8	68.7	68.2	67.7	67.3	67.0	67.0	66.7	66.3	66.6	66.0	66.1	67.0	66.6	66.0	67.0	66.8	67.9	67.5	67.4	67.8	67.7	68.1	68.0	67.2	134.0
„ 11, ...	68.2	68.0	67.9	68.2	67.6	67.0	67.0	67.3	67.6	68.2	67.7	67.8	67.8	68.3	67.7	67.3	67.1	67.5	67.3	67.4	68.3	68.0	68.2	68.2	67.7	119.0
„ 12, ...	68.3	68.5	68.4	67.8	67.7	67.4	67.7	68.0	67.8	68.3	68.3	68.0	68.1	68.0	68.2	67.5	67.6	67.0	67.3	67.8	67.7	68.0	67.8	67.7	67.9	130.4
„ 13, ...	67.6	67.1	66.5	66.2	66.0	66.1	66.1	66.0	66.3	66.1	66.1	65.9	66.1	66.3	67.2	67.3	67.0	67.2	67.5	67.6	67.8	68.2	68.3	67.7	66.8	128.8
„ 14, ...	67.8	67.5	67.1	66.7	66.8	66.7	66.7	67.3	67.7	67.3	67.1	67.6	67.3	67.6	67.5	67.2	68.7	68.9	69.1	69.3	68.5	68.6	68.7	68.7	67.8	99.2
„ 15, ...	68.8	68.9	68.1	67.9	68.1	68.2	67.8	68.0	67.8	68.0	68.0	68.0	68.6	68.0	67.9	67.2	67.3	67.1	67.0	66.5	66.2	65.8	65.7	65.6	67.5	123.1
„ 16, ...	64.9	63.8	63.4	63.5	62.9	62.4	62.5	61.3	61.7	63.7	62.3	64.2	63.0	62.7	61.7	61.3	61.6	60.2	59.2	57.5	57.0	56.5	56.8	56.9	61.3	130.5
„ 17, ...	57.0	56.9	56.8	56.9	57.1	56.9	56.7	57.3	58.7	62.7	62.6	61.7	62.8	62.5	60.5	62.1	61.2	61.6	61.2	61.0	60.8	60.4	60.8	60.4	59.9	131.4
„ 18, ...	60.5	60.4	60.4	60.6	60.6	60.5	60.5	62.2	63.2	62.7	62.9	62.7	65.1	65.2	65.0	63.8	63.8	63.7	64.1	64.2	64.9	64.7	63.9	63.8	62.9	129.9
„ 19, ...	63.7	64.5	64.4	64.4	64.3	64.4	63.7	63.0	63.9	63.5	62.9	63.0	62.9	62.0	61.6	61.2	61.5	61.8	61.5	62.0	62.5	62.4	62.8	63.6	63.0	133.0
„ 20, ...	64.1	64.9	63.8	63.6	63.9	63.7	63.8	64.3	64.8	64.1	65.5	64.7	65.0	64.4	65.4	65.3	64.8	65.0	65.3	65.6	65.2	65.0	64.9	65.3	64.7	133.5
„ 21, ...	65.5	65.2	65.6	65.5	65.6	65.7	65.4	66.1	66.7	65.8	66.0	66.2	66.8	66.8	66.2	65.8	65.7	65.1	65.2	65.5	65.8	65.1	64.9	64.7	65.7	128.8
„ 22, ...	64.9	64.4	63.8	64.2	63.8	64.3	65.1	65.8	64.5	65.7	65.5	66.8	65.8	65.3	65.7	64.9	65.0	64.5	64.2	63.9	64.3	64.4	64.6	64.3	64.8	128.4
„ 23, ...	64.4	64.5	64.4	64.5	65.1	65.8	65.2	65.5	65.0	65.2	65.2	65.3	65.0	65.0	64.8	64.3	63.4	62.9	63.0	63.1	63.8	64.2	65.5	65.8	64.6	130.3
„ 24, ...	65.7	65.7	66.3	66.4	66.1	66.1	66.0	65.8	66.0	66.3	67.3	67.6	67.3	67.0	67.3	67.0	67.0	67.7	68.1	68.3	68.5	68.6	69.2	69.3	67.1	137.4
„ 25, ...	69.4	69.5	69.4	69.4	69.3	68.7	68.4	68.4	68.9	68.9	69.8	70.3	71.2	71.6	71.5	71.3	71.0	71.5	71.7	72.2	72.2	72.8	72.8	72.9	70.5	131.3
„ 26, ...	73.0	73.2	73.1	73.2	73.1	73.2	73.8	73.8	74.0	74.4	72.8	72.2	73.8	72.8	72.7	72.3	72.3	71.8	72.2	72.1	69.4	68.2	67.4	65.8	72.1	125.5
„ 27, ...	64.6	63.0	62.0	62.0	61.1	61.1	60.9	60.9	61.4	63.0	65.6	64.9	62.7	64.2	64.0	63.2	64.0	64.5	64.3	64.5	65.5	66.1	66.1	66.6	63.6	145.5
„ 28, ...	66.0	66.1	65.9	65.8	65.7	65.9	65.8	65.8	65.7	66.0	65.4	65.7	65.6	65.7	65.4	65.7	66.0	66.0	66.1	65.8	66.1	66.3	66.0	66.2	65.9	107.8
„ 29, ...	66.1	65.9	65.6	65.3	65.3	65.6	65.7	65.5	66.6	67.6	66.9	67.4	66.8	67.0	67.3	66.3	68.0	67.2	67.3	67.9	68.0	68.2	68.6	68.5	66.9	112.8
„ 30, ...	68.5	68.5	68.6	68.5	68.6	69.1	69.1	69.0	69.1	69.5	69.4	69.0	68.9	68.4	68.4	68.0	67.8	67.3	67.5	67.3	67.0	66.9	66.3	65.9	68.2	96.1
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	66.7	66.6	66.4	66.3	66.1	66.1	66.1	66.3	66.5	66.9	66.9	67.0	67.2	67.1	67.0	66.7	66.7	66.7	66.7	66.7	66.8	66.7	66.8	66.8	66.7	124.7

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF NOVEMBER, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	80	0.606	Nov. 1,.....	76	0.572
2 „	80	.604	„ 2,.....	76	.644
3 „	81	.602	„ 3,.....	77	.693
4 „	81	.600	„ 4,.....	77	.658
5 „	80	.594	„ 5,.....	68	.541
6 „	80	.594	„ 6,.....	83	.631
7 „	78	.584	„ 7,.....	74	.617
8 „	74	.579	„ 8,.....	73	.635
9 „	71	.576	„ 9,.....	71	.599
10 „	72	.582	„ 10,.....	74	.593
11 „	69	.574	„ 11,.....	76	.613
Noon.	69	.575	„ 12,.....	75	.614
1 p.	69	.581	„ 13,.....	71	.577
2 „	69	.577	„ 14,.....	77	.619
3 „	70	.580	„ 15,.....	88	.644
4 „	72	.578	„ 16,.....	61	.438
5 „	74	.587	„ 17,.....	63	.421
6 „	77	.595	„ 18,.....	67	.484
7 „	77	.597	„ 19,.....	67	.488
8 „	78	.598	„ 20,.....	71	.531
9 „	78	.603	„ 21,.....	77	.572
10 „	79	.602	„ 22,.....	75	.548
11 „	80	.607	„ 23,.....	73	.537
Midt.	80	.608	„ 24,.....	80	.611
			„ 25,.....	87	.710
			„ 26,.....	88	.757
			„ 27,.....	64	.490
			„ 28,.....	80	.584
			„ 29,.....	88	.625
			„ 30,.....	92	.672
			.....	...	...
Means,.....	76	0.591	Means.	76	0.591

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.
1896.														
Nov. 1,.....	...	...	...	...	0.1	...	...	...	...	...	...	...	...	0.1
„ 2,.....	...	...	...	...	0.6	0.7	0.6	0.2	...	...	...	...	...	2.1
„ 3,.....	...	0.3	0.6	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	9.5
„ 4,.....	...	...	...	...	...	...	...	...	...	0.4	0.3	...	...	0.7
„ 5,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,.....	...	...	...	0.5	0.7	0.9	1.0	0.7	1.0	0.9	0.7	...	...	6.4
„ 8,.....	...	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	9.8
„ 9,.....	...	0.6	1.0	1.0	1.0	0.9	1.0	0.8	1.0	0.3	0.1	0.3	...	8.0
„ 10,.....	...	0.1	0.7	0.9	1.0	1.0	1.0	1.0	0.6	1.0	0.9	0.5	...	8.7
„ 11,.....	...	...	...	...	...	0.2	...	...	...	...	...	...	...	0.2
„ 12,.....	...	...	...	0.1	...	0.2	...	...	0.4	0.6	1.0	0.4	...	2.7
„ 13,.....	...	...	0.1	0.8	0.7	0.9	0.6	0.9	0.5	0.1	...	...	...	4.6
„ 14,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,.....	...	...	...	...	...	...	...	0.4	...	...	...	...	...	0.4
„ 16,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0.3	...	9.3
„ 17,.....	...	...	...	0.7	1.0	0.9	...	0.2	0.1	...	...	...	...	2.9
„ 18,.....	...	0.1	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	...	8.0
„ 19,.....	..	0.3	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.6
„ 20,.....	...	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.6
„ 21,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.2	...	9.3
„ 22,.....	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	...	...	8.3
„ 23,.....	...	...	0.6	0.2	0.4	0.7	0.2	0.7	1.0	1.0	1.0	0.5	...	6.3
„ 24,.....	...	...	0.2	0.7	0.1	0.7	1.0	1.0	0.7	0.6	0.3	...	...	5.3
„ 25,.....	...	...	...	0.1	0.1	0.7	0.1	0.2	1.0	0.7	0.3	...	...	3.2
„ 26,.....	...	...	...	0.2	0.2	...	...	0.3	0.2	...	0.1	...	...	1.0
„ 27,.....	...	0.6	0.8	1.0	1.0	1.0	0.9	0.3	...	...	...	...	...	5.6
„ 28,.....	...	...	0.4	0.1	...	0.1	0.7	0.1	...	...	...	...	...	1.4
„ 29,.....	...	...	0.1	0.3	...	...	...	...	0.6	...	...	...	...	1.0
„ 30,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	3.9	10.9	14.5	14.9	16.9	15.1	14.8	15.1	13.4	10.0	4.5	...	134.0

TABLE VI.

RAINFALL FOR THE MONTH OF NOVEMBER, 1896.

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.	Duration Hours.
Nov. 1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
" 6,	...	...	0.010	0.020	...	0.005	...	0.005	0.005	...	...	...	...	...	...	0.035	0.035	...	...	...	...	...	...	...	0.115	16
" 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 11,	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	...	...	...	0.010	0.030	2
" 15,	0.145	0.115	0.200	0.160	0.095	0.035	...	...	...	...	...	...	...	...	0.005	0.010	0.005	...	...	...	..	...	...	...	0.770	9
" 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 17,	...	...	...	...	...	...	...	...	. .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
" 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.010	...	...	0.020	1
" 26,	...	...	0.030	0.020	0.015	...	...	0.005	0.060	...	...	...	0.100	0.490	0.330	0.050	...	...	...	...	...	...	...	...	1.100	6
" 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.030	0.030	2
" 29,	0.020	...	...	...	0.010	...	...	0.005	0.005	..	...	...	...	...	...	...	...	...	...	...	...	0.020	0.010	0.005	0.075	9
" 30,	0.005	0.005	0.005	0.005	0.145	0.100	0.115	0.075	0.015	...	...	0.040	0.005	0.025	...	0.005	0.010	0.030	0.030	0.045	0.015	0.050	0.055	0.055	0.835	21
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.170	0.120	0.245	0.205	0.265	0.140	0.115	0.090	0.085	...	...	0.040	0.105	0.515	0.335	0.100	0.050	0.030	0.030	0.065	0.025	0.080	0.065	0.100	2.975	68

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF NOVEMBER, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Nov. 1	1	5	32	4	1	3	1	10	1	9	3	10	5	19	4	20	5	20	5	19	4	15	6	16	6	12	7	7	7	9	7	9	5	6	1	5	3	7	30	5	2	12	5	19	6	20	6	24	285	11.9	4
" 2	7	17	4	11	7	13	6	15	6	17	6	19	7	23	7	27	7	22	8	23	8	22	9	15	10	14	10	14	8	14	8	13	9	11	6	9	7	9	7	10	7	11	7	11	7	12	8	11	363	15.1	7
" 3	7	12	6	11	6	13	7	13	7	16	7	17	5	13	5	14	7	18	7	16	9	14	10	15	10	15	10	14	10	13	9	16	9	12	9	11	9	9	10	3	10	6	9	8	9	8	9	8	295	12.3	8
" 4	9	8	8	8	8	8	7	6	...	0	7	4	7	6	3	3	3	4	7	12	5	10	4	12	5	14	5	13	4	14	3	7	4	6	5	14	4	18	4	20	5	25	6	30	6	32	7	34	3..8	12.8	6
" 5	7	37	7	43	7	40	7	39	7	40	7	36	6	32	6	34	5	35	6	37	7	34	7	41	7	39	7	40	7	36	7	34	7	39	7	39	7	44	7	39	7	44	7	37	7	42	7	39	920	38.3	7
" 6	7	36	7	36	7	41	7	41	7	39	7	34	7	38	7	35	7	33	7	37	7	36	7	29	7	28	7	30	7	28	8	26	8	26	7	25	7	26	7	26	7	26	7	24	7	27	7	23	753	31.4	7
" 7	7	17	7	15	6	15	6	16	6	15	7	18	5	18	7	20	7	25	8	26	7	30	7	27	7	22	7	21	7	19	8	16	7	15	7	21	7	16	7	15	6	11	6	12	7	13	7	13	436	18.2	7
" 8	6	12	6	18	7	17	6	15	6	15	6	15	5	18	5	15	5	16	7	21	7	22	8	26	8	26	7	27	7	18	9	18	7	19	7	16	8	16	7	18	7	23	6	22	7	26	7	25	464	19.3	7
" 9	6	19	6	19	6	23	4	16	6	19	7	30	7	36	5	33	7	32	7	33	7	29	7	30	7	29	7	28	7	29	7	24	7	26	7	22	8	25	7	21	7	27	7	27	7	30	7	26	633	26.4	7
" 10	7	29	7	25	6	25	6	23	6	25	6	20	6	22	7	24	7	22	7	24	7	26	7	23	7	23	7	21	7	17	8	16	8	17	7	17	6	16	7	13	6	12	6	11	7	15	7	17	483	20.1	7
" 11	7	19	7	19	7	19	7	16	5	16	6	13	6	15	6	14	7	14	7	13	9	14	9	15	10	11	10	14	10	15	10	13	9	11	7	12	8	11	9	12	7	14	7	11	7	15	7	16	342	14.2	8
" 12	7	19	6	17	6	20	5	15	7	16	6	15	6	12	7	18	7	23	7	17	8	18	8	16	10	18	10	17	10	18	8	21	8	21	7	17	7	20	7	22	7	26	7	24	7	27	7	25	462	19.3	7
" 13	6	24	6	26	6	29	6	25	6	25	6	25	7	31	6	30	6	30	7	30	5	27	5	27	7	20	7	22	7	23	7	20	7	22	7	21	7	25	7	21	7	25	7	25	7	24	7	32	610	25.4	6
" 14	7	33	7	33	7	34	7	37	7	32	7	36	7	35	7	36	7	33	7	34	7	30	7	26	7	33	7	28	7	27	8	29	7	28	7	30	7	27	7	36	7	40	7	28	7	35	6	27	767	32.0	7
" 15	6	26	4	23	6	30	7	32	6	23	7	15	8	11	4	4	7	6	28	10	29	5	22	2	18	7	27	15	27	14	27	12	27	12	26	12	26	11	27	8	27	10	30	7	30	6	30	8	309	12.9	2
" 16	29	10	3	4	29	5	28	11	28	8	29	5	29	4	2	7	32	9	30	9	1	11	32	11	31	12	2	11	1	11	2	10	1	12	1	9	32	12	32	19	32	19	32	18	32	14	31	8	249	10.4	32
" 17	32	7	31	3	32	8	1	10	1	4	32	5	31	6	30	3	...	1	9	3	13	2	21	6	7	8	7	10	8	5	8	10	3	7	32	8	32	4	32	7	2	6	1	7	32	7	1	6	143	6.0	2
" 18	1	5	1	6	1	7	1	5	1	7	1	6	1	7	1	4	1	2	7	7	10	8	11	6	24	8	24	5	8	7	9	9	9	10	9	6	9	3	9	3	9	2	9	3	9	2	...	0	128	5.3	5
" 19	...	0	...	0	...	0	...	0	9	4	3	7	4	11	4	12	4	14	4	13	10	17	10	14	8	17	10	16	10	17	10	17	9	16	9	9	11	3	...	0	...	1	11	2	9	3	6	8	201	8.4	8
" 20	6	8	4	11	2	6	2	4	4	8	6	8	5	11	5	10	5	8	8	13	9	15	9	14	10	13	10	12	10	12	9	15	9	13	10	10	10	10	9	7	9	3	...	0	...	1	8	6	218	9.1	8
" 21	7	7	6	7	5	7	5	8	5	8	6	8	6	9	4	12	6	11	10	9	10	12	10	12	10	9	8	9	9	12	8	9	29	5	25	3	24	5	...	1	18	3	...	1	...	1	18	2	170	7.1	7
" 22	18	3	...	1	...	1	10	2	10	4	9	5	8	3	9	4	8	9	9	10	10	10	9	11	9	14	9	13	9	12	9	13	10	9	11	7	11	6	11	5	11	5	11	3	11	2	12	3	155	6.5	10
" 23	12	2	...	0	...	0	12	2	12	2	5	10	6	16	5	16	7	19	7	23	6	22	7	21	7	23	7	21	7	18	8	17	8	17	7	17	6	19	7	19	7	18	8	21	8	23	8	22	368	15.3	7
" 24	7	25	7	23	7	24	6	25	7	27	7	26	6	29	7	24	7	24	7	21	7	22	7	19	8	19	7	20	7	19	7	22	7	23	7	21	7	16	8	18	9	23	8	20	9	22	9	20	532	22.2	7
" 25	9	17	8	22	7	16	7	18	7	21	8	23	7	26	6	26	7	27	8	30	9	28	9	25	8	23	9	20	8	19	9	14	8	11	9	11	10	7	15	6	18	12	18	13	19	13	19	12	440	18.3	9
" 26	18	11	20	15	21	14	19	13	22	10	22	10	23	9	27	8	22	7	25	7	20	4	26	8	23	6	19	8	30	8	19	2	...	1	...	1	...	0	...	1	32	9	2	8	2	10	32	8	178	7.4	23
" 27	2	15	1	13	1	9	16	7	32	9	3	11	2	10	1	14	1	18	2	8	2	5	12	7	7	10	7	11	9	13	10	18	8	16	8	20	8	21	8	24	7	25	7	25	7	31	7	34	374	15.6	6
" 28	7	32	7	32	7	34	7	32	7	31	7	36	7	38	7	39	7	33	7	36	7	38	7	35	7	32	7	27	7	29	7	23	7	23	7	24	7	27	7	26	7	27	7	28	7	30	7	32	744	31.0	7
" 29	7	29	7	29	7	26	7	26	7	31	7	27	7	28	7	24	7	23	8	24	7	30	7	21	7	26	7	24	7	20	7	19	7	22	7	19	7	24	7	18	7	18	7	13	8	18	8	18	557	23.2	7
" 30	8	19	8	19	8	21	7	20	8	19	7	17	8	16	9	16	7	15	8	19	7	26	7	28	7	24	7	31	7	34	7	38	7	35	7	34	7	35	7	37	7	40	7	40	7	40	7	40	663	27.6	7
.....	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	...	503	...	493	...	508	...	506	...	500	...	511	...	552	...	546	...	553	...	534	...	582	...	558	...	555	...	549	...	530	...	510	...	491	...	470	...	472	...	460	...	523	...	498	...	549	...	547	12550	522.9	...
Means	...	16.8	...	16.4	...	16.9	...	16.9	...	16.7	...	17.0	...	18.4	...	18.2	...	18.4	...	19.5	...	19.4	...	18.6	...	18.5	...	18.3	...	17.7	...	17.0	...	16.4	...	15.7	...	15.7	...	15.3	...	17.4	...	16.6	...	18.3	...	18.2	418.3	17.4	...

TABLE VIII.

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
1896.												
Nov. 1, ...	10	cum-nim.	...	10	cum-nim.	...	10	str./cum.	E	9	sm-cum./cum.	E
„ 2, ...	8	cum.	...	10	cum.	...	10	R-cum.	ENE	8	c-cum./cum.	S/NE
„ 3, ...	0	...	...	4	cum.	...	6	sm-cum./cum.	E	2	cum.	E
„ 4, ...	4	cum.	...	4	cum.	...	8	sm-cum./cum.	E	10	str-cum.	E
„ 5, ...	10	cum.	E	10	cum.	E	10	cum-nim.	ESE	10	cum-nim.	E
„ 6, ...	10	cum-nim.	...	10	nim.	...	10	nim.	E	10	nim.	E
„ 7, ...	10	cum.	...	10	cum.	...	8	c-cum./sm-cum./cum.	ESE	8	c-cum./cum.	ESE
„ 8, ...	4	cum.	...	10	cum.	...	2	sm-cum./cum.	E	1	cum.	E
„ 9, ...	6	cum.	...	0	...	...	1	cum.	E	5	cum.	E
„ 10, ...	7	cum.	ENE	6	cum.	E	2	c-str./cum.	E	3	c-cum./cum.	E
„ 11, ...	9	cum.	ENE	10	cum.	...	10	cum.	ENE	10	c-str./cum.	ENE
„ 12, ...	9	cum.	...	10	cum.	...	10	cum.	ENE	10	cum.	ENE
„ 13, ...	6	cum.	E	7	cum.	E	4	sm-cum./cum.	E	9	cum.	ENE
„ 14, ...	10	cum.	...	3	cum.	E	10	cum.	E	10	str-cum.	E
„ 15, ...	10	nim.	...	10	nim.	...	9	sm-cum./cum.	E	10	nim.	E
„ 16, ...	8	cum.	N	0	...	...	1	cum.	...	0	...	...
„ 17, ...	10	sm-cum.	SW	10	cum.	SW	8	sm-cum./cum.	WSW/..	5	c-cum./cum.	WSW/ESE
„ 18, ...	10	cum.	SSW	10	cum.	S	6	sm-cum./cum.	SW/..	1	c-cum.	...
„ 19, ...	8	cum.	...	9	cum.	...	5	c-cum./sm-cum./cum.	WSW/ENE/ENE	1	c-cum./cum.	E
„ 20, ...	7	cum.	E	4	cum.	SW	5	sm-cum./cum.	SW/..	1	sm-cum.	...
„ 21, ...	0	...	...	1	cum.	...	1	cum.	...	2	cum.	ENE
„ 22, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 23, ...	0	...	..	4	cum.	ENE	4	cum.	E	1	cum.	...
„ 24, ...	9	sm-cum.	W	8	sm-cum.	W	6	sm-cum./cum.	W/E	10	cum.	E
„ 25, ...	7	cum.	ESE	8	cum.	ESE	10	cum.	ESE	10	sm-cum./cum.	SE
„ 26, ...	9	cum.	WSW	8	cum.	WSW	8	cum./cum-nim.	WSW	10	nim.	WSW
„ 27, ...	9	cum.	...	7	sm-cum.	NW	6	sm-cum.	WNW	7	sm-cum.	W
„ 28, ...	10	cum.	E	9	cum.	...	9	sm-cum./cum.	E	10	cum.	E
„ 29, ...	10	nim.	E	10	nim.	E	10	cum.	E	10	cum.	E
„ 30, ...	10	cum-nim.	...	10	nim.	...	10	nim.	...	10	nim.	E
.....	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	7.3	...	...	7.1	...	...	6.6	...	...	6.4	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
Nov. 1,...	10	sm-cum.	SE	10	sm-cum.	SSE	10	str-cum.	...	5	sm-cum.	...	9.3
„ 2,...	10	sm-cum. / cum.	S / E	9	sm-cum.	SSE	6	cum.	...	0	...	...	7.6
„ 3,...	1	cum.	...	1	sm-cum.	...	8	sm-cum.	...	7	cum.	...	3.6
„ 4,...	10	sm-cum. / cum.	E	9	c-cum. / str-cum.	E	5	cum.	E	9	cum.	E	7.4
„ 5,...	10	sm-cum. / cum-nim.	E	10	str-cum.	E	10	str-cum.	E	10	str-cum.	E	10.0
„ 6,...	10	str-cum.	E	10	str-cum.	E	10	str-cum.	...	10	str-cum.	...	10.0
„ 7,...	9	sm-cum. / cum.	ESE	8	sm-cum. / cum.	E	3	cum.	...	3	cum.	...	7.4
„ 8,...	3	cum.	E	1	cum.	E	0	...	...	1	cum.	...	2.7
„ 9,...	7	c-cum. / sm-cum. / cum.	WSW / E	7	sm-cum. / cum.	SW / ENE	5	c-str. / cum.	E	7	cum.	E	4.8
„ 10,...	4	c-cum. / cum.	E	2	c-cum.	...	3	sm-cum.	...	8	str-cum.	...	4.4
„ 11,...	10	c-str. / cum.	E	10	str-cum.	...	10	cum-nim.	...	10	str-cum.	...	9.9
„ 12,...	9	cum.	ENE	3	c-cum. / cum.	ENE	1	cum.	E	8	c-cum. / cum.	E	7.5
„ 13,...	8	sm-cum. / cum.	W / E	10	str. / cum.	ENE	10	cum.	ENE	9	c-cum. / cum.	ENE	7.9
„ 14,...	10	str-cum.	E	10	sm-cum. / cum.	E	10	nim.	...	10	cum.	E	9.1
„ 15,...	9	sm-cum. / cum.	NE	10	nim.	N	10	str-cum.	...	9	cum.	NW	9.6
„ 16,...	0	...	...	7	cum.	NW	6	c-cum.	W	6	sm-cum. / cum.	W / ..	3.5
„ 17,...	10	sm-cum.	WSW	10	str-cum.	S	9	sm-cum.	WSW	9	sm-cum. / cum.	S	8.9
„ 18,...	2	cum.	N	8	sm-cum. / cum.	NW	10	cum.	NW	0	...	...	5.9
„ 19,...	8	c-str. / cum.	W / ..	2	c-cum.	SW	5	c-cum.	SW	7	sm-cum.	SW	5.6
„ 20,...	2	sm-cum.	SW	2	sm-cum.	WSW	0	...	...	0	...	...	2.6
„ 21,...	1	cum.	...	4	sm-cum. / cum.	N / ..	0	...	...	0	...	...	1.1
„ 22,...	0	...	...	5	c-cum. / cum.	WSW	0	...	...	0	...	...	0.6
„ 23,...	1	sm-cum. / cum.	E	0	...	...	2	cum.	...	10	cum.	...	2.7
„ 24,...	5	cum.	ESE	10	cum.	SE	10	cum.	ESE	9	cum.	ESE	8.4
„ 25,...	4	cum.	SSE	10	cum.	S	7	cum.	S	10	nim.	S	8.3
„ 26,...	9	sm-cum. / cum.	WSW	9	cum.	W	10	cum.	...	6	cum.	...	8.6
„ 27,...	9	sm-cum / cum.	ESE	9	sm-cum. / cum.	ESE	10	str-cum.	...	10	str-cum.	...	8.4
„ 28,...	10	cum.	E	10	cum.	E	10	cum-nim.	E	10	cum-nim.	E	9.7
„ 29,...	8	sm-cum. / cum.	E	10	str-cum.	...	10	str-cum.	...	10	nim.	...	9.8
„ 30,...	10	nim.	E	10	nim.	E	10	nim.	...	10	nim.	...	10.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	6.6	...	...	7.2	...	...	6.7	...	...	6.8	...	...	6.8

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF NOVEMBER, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	4.4	14.7	0.6	0.4	+ 3.8	+ 14.3	E 15° N
2 „	4.9	14.1	0.4	0.4	4.5	13.7	E 18° N
3 „	5.1	14.7	0.3	0.5	4.8	14.2	E 19° N
4 „	5.4	14.3	0.7	0.5	4.7	13.8	E 19° N
5 „	5.2	14.5	0.2	0.5	5.0	14.0	E 20° N
6 „	5.0	15.2	0.2	0.4	4.8	14.8	E 18° N
7 „	5.9	16.2	0.1	0.4	5.8	15.8	E 20° N
8 „	6.8	15.7	0.1	0.3	6.7	15.4	E 23° N
9 „	5.6	16.3	0.1	0.2	5.5	16.1	E 19° N
10 „	3.9	17.9	0.2	0.6	3.7	17.3	E 12° N
11 „	4.1	17.8	1.2	0.2	2.9	17.6	E 9° N
Noon.	3.4	16.9	1.5	0.5	1.9	16.4	E 7° N
1 p.	2.9	16.9	1.3	0.6	1.6	16.3	E 5° N
2 „	3.2	16.6	1.5	0.7	1.7	15.9	E 6° N
3 „	3.3	16.1	1.2	0.5	2.1	15.6	E 8° N
4 „	2.0	16.0	1.2	0.4	0.8	15.6	E 3° N
5 „	2.8	15.1	0.5	0.4	2.3	14.7	E 9° N
6 „	3.5	14.2	0.5	0.5	3.0	13.7	E 12° N
7 „	3.5	14.0	0.5	0.5	3.0	13.5	E 12° N
8 „	3.7	13.4	0.5	0.3	3.2	13.1	E 14° N
9 „	4.8	14.7	0.8	0.5	4.0	14.2	E 16° N
10 „	4.4	14.3	0.6	0.3	3.8	14.0	E 15° N
11 „	4.2	16.2	0.6	0.3	3.6	15.9	E 13° N
Midt.	4.0	16.3	0.7	0.4	+ 3.3	+ 15.9	E 12° N
Means, ...	4.2	15.5	0.6	0.4	+ 3.60	+ 15.07	E 13° N

PHENOMENA :—

Solar halo :—on the 11th and 19th.

Solar corona :—on the 11th.

Lunar corona :—on the 15th and 19th

Haze :—on the 5th and 22nd.

Unusual Visibility :—on the 16th.

Dew :—on the 4th, 17th, 19th, 20th, 21st, 22nd and 23rd.

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF DECEMBER, 1896.

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,...	29.942	29.929	29.933	29.946	29.948	29.969	29.985	30.015	30.034	30.031	30.017	29.982	29.961	29.942	29.928	29.929	29.950	29.964	29.970	29.983	29.991	29.999	29.984	29.972	29.971
„ 2,...	.959	.959	.949	.952	.965	.996	.996	.007	.036	.037	.022	.993	.959	.940	.940	.954	.962	.973	.998	30.016	30.033	30.048	30.049	30.047	.991
„ 3,...	30.049	30.054	30.038	30.039	30.041	30.066	30.108	.130	.136	.147	.145	30.113	30.091	30.077	30.073	30.077	30.089	30.106	30.131	.135	.154	.164	.164	.171	30.104
„ 4,...	.168	.163	.155	.150	.155	.171	.190	.210	.221	.232	.223	.190	.169	.147	.133	.143	.177	.193	.220	.241	.259	.278	.289	.297	.199
„ 5,...	.295	.275	.283	.280	.310	.326	.324	.350	.376	.362	.358	.322	.285	.270	.250	.245	.265	.270	.281	.293	.292	.292	.295	.292	.300
„ 6,...	.276	.266	.261	.259	.253	.268	.292	.310	.309	.308	.292	.273	.235	.217	.213	.219	.221	.219	.232	.229	.239	.236	.226	.224	.253
„ 7,...	.225	.219	.207	.201	.204	.219	.232	.243	.249	.255	.249	.232	.197	.192	.182	.189	.208	.219	.224	.235	.245	.246	.239	.243	.223
„ 8,...	.243	.233	.213	.216	.224	.241	.262	.282	.287	.284	.274	.246	.210	.185	.184	.185	.190	.198	.208	.224	.230	.227	.221	.223	.229
„ 9,...	.204	.194	.185	.170	.169	.174	.181	.201	.209	.201	.180	.158	.143	.113	.089	.085	.084	.096	.116	.132	.142	.140	.124	.111	.150
„ 10,...	.096	.084	.076	.077	.075	.080	.083	.098	.104	.106	.085	.049	.012	29.989	29.979	29.967	29.972	29.974	29.987	29.988	.004	.002	29.998	29.991	.036
„ 11,...	29.987	29.977	29.966	29.967	29.984	29.995	.012	.014	.028	.008	.001	29.977	29.941	.923	.913	.913	.922	.940	.959	.973	29.987	29.988	.987	.990	29.973
„ 12,...	.982	.983	.974	.974	.990	30.012	.041	.061	.070	.064	.066	30.037	.999	.990	.971	.982	.996	30.020	30.037	30.053	30.059	30.061	30.064	30.059	30.023
„ 13,...	30.053	30.043	30.034	30.035	30.058	.073	.092	.114	.124	.121	.124	.107	30.072	30.058	30.044	30.044	30.057	.071	.085	.107	.125	.139	.123	.122	.084
„ 14,...	.123	.106	.104	.106	.113	.126	.148	.166	.183	.188	.174	.144	.113	.076	.064	.056	.059	.075	.095	.106	.108	.119	.107	.109	.115
„ 15,...	.099	.096	.076	.089	.086	.095	.105	.132	.147	.159	.144	.108	.060	.042	.037	.032	.039	.057	.084	.090	.094	.093	.082	.065	.088
„ 16,...	.056	.050	.034	.020	.020	.022	.043	.059	.071	.057	.045	.011	29.970	29.950	29.944	29.942	29.960	29.968	29.980	29.990	.009	.009	.004	.000	.009
„ 17,...	29.988	29.971	29.965	29.963	29.968	29.969	29.984	.000	.020	.016	29.992	29.968	.933	.919	.899	.901	.908	.914	.934	.945	29.939	29.943	29.930	29.929	29.954
„ 18,...	.930	.916	.906	.904	.906	.910	.934	29.966	29.974	29.968	.962	.932	.906	.884	.866	.873	.886	.899	.910	.913	.927	.934	.927	.921	.919
„ 19,...	.921	.919	.912	.911	.916	.929	.954	.980	.991	.997	.992	.960	.932	.909	.895	.887	.894	.904	.918	.932	.943	.943	.940	.935	.934
„ 20,...	.919	.921	.921	.915	.921	.939	.958	.990	30.019	30.016	30.015	.982	.939	.915	.902	.915	.937	.937	.957	.970	.985	30.006	30.019	30.031	.960
„ 21,...	30.028	30.024	30.024	30.032	30.046	30.063	30.095	30.115	.142	.144	.141	30.151	30.119	30.110	30.115	30.132	30.162	30.186	30.210	30.254	30.287	.293	.295	.296	30.144
„ 22,...	.315	.310	.307	.313	.319	.342	.368	.393	.420	.421	.422	.409	.386	.366	.365	.375	.391	.404	.415	.423	.444	.439	.437	.422	.384
„ 23,...	.423	.405	.384	.369	.372	.382	.398	.397	.404	.395	.362	.333	.297	.268	.252	.247	.250	.257	.262	.269	.269	.257	.248	.240	.322
„ 24,...	.230	.223	.209	.215	.218	.215	.221	.229	.244	.244	.232	.202	.182	.156	.140	.126	.130	.140	.163	.170	.172	.168	.176	.162	.190
„ 25,...	.149	.143	.137	.147	.151	.164	.173	.191	.214	.212	.198	.162	.139	.106	.100	.091	.112	.132	.141	.153	.145	.141	.134	.130	.149
„ 26,...	.124	.130	.132	.140	.138	.140	.158	.186	.219	.227	.215	.188	.162	.146	.132	.138	.136	.156	.176	.196	.202	.198	.199	.192	.168
„ 27,...	.191	.181	.181	.179	.178	.189	.208	.231	.247	.234	.228	.199	.173	.153	.145	.156	.169	.183	.197	.211	.216	.219	.212	.195	.195
„ 28,...	.181	.169	.150	.149	.153	.161	.166	.181	.196	.185	.147	.113	.069	.041	.016	.019	.017	.021	.021	.024	.023	.021	.015	29.998	.093
„ 29,...	29.986	29.970	29.958	29.953	29.983	.002	.023	.055	.081	.090	.061	.047	.026	.016	.006	.007	.041	.066	.090	.095	.098	.104	.114	30.114	.041
„ 30,...	30.115	30.109	30.107	30.101	30.109	.126	.159	.182	.198	.210	.188	.150	.122	.095	.075	.081	.093	.122	.148	.163	.166	.137	.134	.145	.135
„ 31,...	.136	.122	.121	.113	.111	.130	.158	.189	.219	.214	.186	.164	.136	.112	.105	.117	.124	.138	.151	.169	.169	.164	.164	.157	.149
Means,.....	30.109	30.101	30.094	30.093	30.099	30.113	30.131	30.151	30.167	30.166	30.153	30.126	30.095	30.074	30.063	30.065	30.077	30.090	30.106	30.119	30.128	30.129	30.126	30.122	30.112

TABLE II.

TEMPERATURE FOR THE MONTH OF DECEMBER, 1896.

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,	66.8	66.6	66.2	66.2	66.3	66.5	65.7	65.9	66.5	66.6	67.6	67.0	67.5	66.2	67.0	67.3	66.9	67.4	67.3	67.4	67.7	67.6	67.9	68.2	66.9	69.1	65.7
„ 2,	68.1	68.1	68.4	68.5	68.5	68.6	67.9	68.7	68.8	68.8	69.3	69.9	71.1	70.5	68.9	69.3	67.5	67.5	67.0	66.6	66.4	65.6	64.3	63.8	68.0	71.1	63.8
„ 3,	63.2	61.7	62.3	61.1	59.6	58.6	58.9	60.1	60.6	60.8	60.7	61.6	61.6	62.2	63.1	62.8	62.7	61.7	61.5	60.7	60.0	58.5	58.0	57.8	60.8	63.8	57.8
„ 4,	56.9	56.2	56.0	55.9	55.8	55.8	55.9	58.6	61.9	60.3	62.8	62.0	64.7	65.1	64.4	63.0	63.5	61.9	61.0	60.5	60.3	59.5	58.6	57.7	59.9	66.0	55.1
„ 5,	58.2	56.6	56.3	55.5	54.9	54.1	53.9	54.1	55.0	57.7	59.6	60.6	60.3	62.7	61.6	61.5	57.2	56.1	56.1	55.2	54.0	53.4	51.4	50.3	56.5	64.3	50.3
„ 6,	49.6	50.4	49.2	48.9	49.5	49.8	51.2	54.6	57.0	57.9	58.1	59.9	60.3	60.2	60.5	59.5	58.3	55.4	55.6	54.6	55.4	54.6	54.3	53.8	54.9	62.5	48.6
„ 7,	54.2	53.8	53.3	53.3	53.1	53.1	54.2	59.8	61.1	60.6	62.3	64.3	63.5	63.6	63.3	63.4	60.7	59.9	57.2	58.4	57.8	58.1	57.9	57.5	58.5	64.8	52.5
„ 8,	55.6	54.6	55.4	54.3	54.8	54.7	55.0	57.9	60.5	61.2	63.0	62.9	63.7	63.1	62.8	62.7	61.6	60.4	59.2	59.5	58.4	57.8	56.0	55.5	58.8	64.7	53.4
„ 9,	55.2	55.4	56.5	58.5	58.9	58.5	58.2	61.6	61.6	62.2	62.0	62.4	62.8	62.7	63.0	62.4	62.2	62.3	62.6	63.5	63.6	63.9	64.0	63.9	61.2	64.3	55.2
„ 10,	63.6	63.3	62.8	62.4	62.3	61.9	61.9	62.5	63.4	64.6	65.8	65.8	66.3	66.7	67.6	68.8	65.6	64.4	64.2	64.2	63.3	62.5	62.8	61.9	64.1	69.0	61.5
„ 11,	62.0	62.3	63.0	63.4	63.8	63.9	64.0	65.5	68.1	67.8	68.5	69.2	70.2	69.7	69.2	68.2	67.0	65.8	66.6	66.0	65.8	65.5	65.4	65.5	66.1	70.9	61.6
„ 12,	65.2	64.8	64.6	64.4	64.5	64.5	64.5	66.5	67.8	68.1	68.8	68.4	68.6	68.1	67.5	67.7	65.3	65.6	65.7	64.6	64.5	64.3	64.1	64.1	65.9	69.2	63.5
„ 13,	64.1	64.0	64.0	64.0	63.9	64.0	63.9	67.5	68.0	69.8	70.7	71.8	71.6	70.6	70.8	69.8	67.9	67.2	66.7	67.1	67.3	66.5	65.9	65.2	67.2	72.6	63.8
„ 14,	64.7	64.2	63.2	64.0	64.5	63.6	64.5	65.3	66.4	68.5	67.3	68.5	67.1	68.4	67.0	66.6	66.0	65.5	65.7	65.7	65.3	65.4	65.5	65.4	65.8	70.0	62.6
„ 15,	65.5	65.6	65.1	64.8	64.6	64.5	64.5	65.5	66.3	67.3	68.2	70.0	70.6	71.3	71.5	69.8	68.5	68.0	66.9	66.1	65.8	65.4	64.6	64.5	66.9	71.7	64.0
„ 16,	64.3	63.9	63.8	63.9	64.1	64.7	65.2	68.3	70.3	73.9	75.5	75.1	74.8	74.5	73.7	72.0	70.3	68.9	67.5	67.8	67.3	67.2	67.1	67.0	68.8	76.5	62.9
„ 17,	66.3	65.9	65.6	65.2	65.0	64.9	64.8	65.3	66.8	66.6	66.1	66.6	66.8	66.9	66.3	65.6	65.5	65.8	66.3	66.8	66.5	66.6	66.7	66.5	66.1	68.2	64.6
„ 18,	66.3	66.0	65.4	65.5	65.7	65.3	65.7	66.3	66.9	67.8	68.0	68.0	68.2	67.9	67.7	67.1	67.1	66.7	66.1	66.8	66.4	66.7	66.7	66.5	66.7	68.7	65.3
„ 19,	66.0	66.3	66.3	66.3	66.4	66.6	66.8	67.0	66.8	66.8	67.8	67.4	66.8	66.7	66.8	67.7	67.3	67.2	67.3	67.4	67.5	67.4	67.4	67.3	67.0	68.1	65.5
„ 20,	67.2	67.3	67.5	67.5	67.6	67.6	67.8	68.4	69.9	70.0	73.3	74.0	74.1	74.0	73.5	72.9	73.5	71.5	70.5	69.8	69.8	69.6	68.2	68.4	70.2	74.6	67.2
„ 21,	67.8	66.7	66.1	65.0	64.3	63.0	62.1	65.0	66.6	66.7	68.4	64.5	66.9	62.2	61.7	59.8	58.2	55.5	55.4	55.0	53.8	52.9	51.6	51.0	61.3	69.3	51.0
„ 22,	50.3	49.0	49.4	48.4	48.2	46.9	47.0	48.5	49.8	51.0	52.6	50.1	51.1	51.1	49.2	48.6	47.5	47.0	46.9	46.4	46.2	45.8	46.3	45.1	48.4	52.6	45.1
„ 23,	43.7	42.9	42.7	42.3	42.0	41.6	42.5	44.5	45.8	47.4	49.3	53.6	53.2	54.2	53.8	53.4	51.4	50.3	50.4	48.5	48.3	47.8	48.6	48.6	47.8	55.0	40.7
„ 24,	50.1	48.6	48.4	48.0	47.9	47.9	48.1	53.5	59.4	56.5	59.1	59.6	60.8	60.1	59.7	60.2	59.8	58.4	58.1	57.8	59.4	59.6	59.9	60.0	55.9	61.7	47.1
„ 25,	60.0	60.5	60.4	60.1	59.8	59.7	60.9	61.8	62.7	63.9	65.1	65.5	65.8	64.7	64.1	63.8	62.8	62.9	63.5	63.6	64.1	64.1	63.8	63.8	62.8	66.3	59.5
„ 26,	63.6	63.4	63.3	63.0	62.9	62.9	62.8	63.4	63.6	64.4	65.8	64.8	65.8	65.0	65.4	65.8	65.0	64.3	64.7	64.9	64.3	64.6	64.8	64.2	64.3	65.8	62.3
„ 27,	63.5	62.9	63.1	62.8	61.5	60.7	59.6	60.9	62.7	65.2	65.8	66.1	66.7	67.9	67.5	66.0	63.0	62.4	61.0	61.2	60.5	60.1	59.5	59.0	62.9	68.1	59.0
„ 28,	58.7	57.2	56.8	56.7	56.9	55.9	55.9	57.5	59.0	60.5	61.6	61.4	61.9	62.8	61.8	60.8	60.1	60.2	59.8	60.0	59.9	59.6	60.0	60.4	59.4	63.5	54.7
„ 29,	60.5	60.6	61.2	61.7	61.9	61.9	62.2	62.3	63.2	64.8	64.4	65.8	66.5	66.8	66.2	66.0	65.9	65.8	65.8	65.1	64.3	64.1	61.7	60.5	63.7	66.8	60.4
„ 30,	60.4	60.3	60.2	59.6	59.6	59.3	61.3	60.8	61.2	62.2	62.7	62.6	62.3	61.5	61.3	61.6	61.5	61.4	61.8	61.3	61.5	61.3	61.5	61.2	61.2	63.7	58.7
„ 31,	61.2	61.0	60.7	60.5	60.3	60.4	60.4	60.5	61.0	61.2	61.6	62.1	62.9	62.8	62.8	62.1	61.6	61.9	61.2	60.6	60.5	60.3	60.1	60.1	61.2	63.4	60.1
Means,	60.7	60.3	60.2	60.1	60.0	59.7	59.9	61.6	62.9	63.6	64.6	64.9	65.3	65.2	64.8	64.4	63.3	62.6	62.2	62.0	61.8	61.5	61.1	60.8	62.2	66.7	58.2

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF DECEMBER, 1896.

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.	Solar Max.
Dec. 1, ...	65.1	64.8	64.2	64.1	64.0	63.9	63.7	63.7	63.4	63.0	63.6	63.6	63.8	63.9	64.4	64.1	65.1	65.4	65.7	65.7	65.5	65.8	65.7	66.2	64.5	92.6
„ 2, ...	66.1	66.2	66.1	66.1	66.3	66.5	66.2	66.3	67.0	66.6	66.9	66.9	67.5	67.9	67.6	68.1	66.2	65.8	65.3	65.0	64.6	63.5	63.1	62.6	66.0	100.8
„ 3, ...	62.1	60.7	60.5	59.4	58.2	57.7	57.6	59.0	59.4	58.8	59.1	59.2	59.0	56.9	58.1	56.4	56.6	55.4	55.0	54.1	53.6	54.0	53.5	52.5	57.4	93.3
„ 4, ...	52.1	51.7	51.2	50.9	50.9	50.6	50.3	51.0	52.7	51.0	51.8	49.7	50.0	51.1	50.2	49.7	50.4	49.7	48.9	48.1	48.4	48.3	47.5	47.1	50.1	119.2
„ 5, ...	46.0	45.1	44.6	44.3	43.7	43.0	43.0	43.0	44.4	44.1	45.9	45.7	45.4	47.3	45.8	45.7	42.8	43.5	42.3	42.2	41.9	41.5	41.5	41.5	43.9	128.2
„ 6, ...	41.5	40.7	40.8	41.0	41.2	41.4	41.2	42.8	44.3	43.7	44.6	47.4	47.0	47.3	46.8	45.4	47.0	46.1	45.7	44.7	44.4	43.7	44.8	44.9	44.1	115.0
„ 7, ...	43.3	42.8	43.1	43.0	43.4	43.0	43.3	46.2	47.2	47.2	47.8	49.0	48.4	48.0	50.0	50.4	46.4	46.0	48.1	47.5	47.2	46.8	46.8	46.1	46.3	120.6
„ 8, ...	45.2	45.4	45.2	45.0	44.9	44.8	45.0	46.1	48.4	48.3	49.8	50.8	51.7	50.6	49.9	52.3	50.3	49.7	49.0	49.7	50.6	50.8	50.2	50.5	48.5	117.5
„ 9, ...	50.1	50.9	50.3	51.6	51.7	51.8	52.3	53.0	52.9	51.7	52.7	54.3	56.0	56.0	55.2	55.6	55.4	56.0	56.7	57.1	57.9	58.0	58.2	58.4	54.3	117.7
„ 10, ...	59.0	58.6	58.6	58.7	58.4	58.3	58.2	58.4	58.8	58.7	58.3	58.7	58.5	58.4	57.8	57.3	57.7	57.5	58.3	58.7	58.6	58.8	58.4	58.6	58.4	124.0
„ 11, ...	58.9	59.1	60.2	61.1	61.9	61.3	61.2	61.6	62.7	62.6	63.1	64.1	63.9	64.2	64.2	64.0	63.7	63.1	64.2	64.5	63.6	63.1	62.8	62.6	62.6	130.1
„ 12, ...	62.5	62.3	62.3	61.8	61.4	60.9	60.3	60.0	59.9	59.7	60.9	61.9	62.9	62.7	63.0	63.1	62.4	62.7	62.2	62.0	60.5	60.4	60.5	61.0	61.6	122.7
„ 13, ...	61.5	62.1	62.3	62.2	62.2	62.1	62.2	63.0	63.6	64.7	64.9	65.6	65.7	65.5	65.1	64.9	64.6	64.2	63.9	64.1	63.6	63.6	62.4	62.2	63.6	124.1
„ 14, ...	61.6	61.2	59.7	60.0	61.0	60.7	60.4	60.9	61.4	61.6	61.7	62.5	61.0	62.0	61.4	61.7	60.8	61.2	61.5	61.8	61.8	61.7	61.7	61.7	61.3	127.7
„ 15, ...	61.8	61.7	61.5	61.4	61.3	61.3	60.4	60.3	60.1	60.9	62.1	62.7	62.7	62.2	61.4	60.9	61.6	61.7	62.2	62.7	62.9	62.3	61.7	62.0	61.7	128.4
„ 16, ...	61.7	61.6	61.5	61.9	62.0	61.9	62.5	62.3	63.6	63.2	64.6	64.0	64.8	65.5	64.4	64.9	65.2	63.4	62.1	63.4	63.3	63.6	64.0	64.1	63.3	126.6
„ 17, ...	63.8	63.3	62.9	62.4	62.4	62.4	62.1	62.2	62.7	62.2	61.8	62.0	61.0	62.0	62.0	61.6	61.6	62.2	62.9	63.3	62.5	62.5	63.0	62.9	62.4	124.5
„ 18, ...	62.0	62.0	61.7	61.7	61.8	61.6	61.8	62.4	62.5	62.3	62.6	62.9	63.5	63.0	63.0	62.6	64.0	63.3	64.3	64.6	64.6	64.8	65.3	65.3	63.1	114.1
„ 19, ...	65.0	65.1	65.1	65.4	65.4	65.5	65.6	65.3	65.9	65.8	65.9	66.3	65.9	66.0	66.2	66.0	65.6	66.1	66.2	66.5	66.3	66.4	66.5	66.8	65.9	93.9
„ 20, ...	66.8	66.8	67.1	67.2	67.3	67.4	67.5	68.1	68.5	68.8	69.3	69.3	69.9	69.4	69.3	68.6	68.2	68.0	67.6	68.2	67.6	67.8	66.5	66.6	68.0	138.8
„ 21, ...	66.4	65.5	63.8	62.5	62.2	59.9	58.5	59.0	60.5	58.8	59.3	56.0	57.9	54.2	54.2	52.7	51.1	49.9	50.1	49.0	47.7	47.4	45.9	44.6	55.7	126.6
„ 22, ...	43.8	43.1	42.8	41.6	41.1	40.3	39.7	39.9	40.6	41.2	41.8	40.2	40.7	40.1	38.8	38.4	37.2	37.1	36.6	36.2	35.8	35.8	35.6	34.6	39.3	115.4
„ 23, ...	33.6	33.6	33.0	33.1	33.0	32.8	32.9	34.5	34.7	35.8	36.9	40.4	40.2	40.6	40.7	40.7	39.8	39.7	39.8	38.3	39.0	39.6	42.1	41.2	37.3	122.3
„ 24, ...	42.9	41.9	42.5	41.9	42.2	42.5	42.6	45.0	48.6	47.1	49.2	50.1	50.1	50.7	51.1	51.9	50.1	50.4	50.3	50.0	51.3	51.6	51.9	52.1	47.8	120.9
„ 25, ...	52.7	52.7	52.1	52.0	51.7	51.5	52.1	53.0	52.7	54.1	55.5	55.6	55.9	55.6	56.1	57.9	57.8	57.7	57.6	57.7	59.1	59.3	59.2	59.5	55.4	129.7
„ 26, ...	59.4	59.6	59.4	59.6	59.7	59.6	59.1	59.9	59.8	59.9	60.0	59.6	59.9	59.9	60.5	60.7	59.3	58.4	58.7	58.8	59.9	60.2	61.0	58.9	59.7	123.6
„ 27, ...	57.3	56.7	56.3	54.8	54.3	53.4	52.9	53.0	53.6	55.6	55.6	55.5	55.7	56.1	55.7	55.2	52.9	53.6	52.6	52.8	52.6	52.5	52.5	51.4	54.3	133.9
„ 28, ...	50.4	49.6	48.6	48.7	48.5	48.7	47.5	48.2	49.6	50.7	51.6	52.7	52.4	53.9	53.4	52.4	52.4	53.1	53.1	53.1	53.3	53.5	54.8	55.7	51.5	102.0
„ 29, ...	56.2	56.6	58.1	59.0	59.2	59.2	59.5	59.3	59.5	60.7	60.6	61.6	61.5	61.6	61.1	61.0	60.1	60.2	57.1	56.8	55.5	55.4	53.5	52.0	58.6	98.3
„ 30, ...	51.6	52.0	52.0	51.0	51.5	51.0	51.6	50.9	51.6	53.1	53.8	54.3	54.7	54.9	56.1	57.6	57.5	57.6	57.8	58.2	58.3	58.4	58.0	58.1	54.6	114.5
„ 31, ...	58.0	57.8	57.7	57.5	57.5	57.3	57.5	57.6	58.4	57.8	58.0	58.0	58.3	58.2	58.1	58.0	57.6	57.7	56.3	56.6	57.1	57.2	57.2	57.2	57.6	115.0
Means, ...	55.8	55.5	55.3	55.2	55.2	54.9	54.8	55.4	56.1	56.1	56.8	57.1	57.3	57.3	57.1	57.1	56.5	56.3	56.2	56.2	56.1	56.1	56.0	55.8	56.1	118.1

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF DECEMBER, 1896.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1896.		
1 a.	71	0.398	Dec. 1,.....	87	0.574
2 „	71	.394	„ 2,.....	90	.614
3 „	70	.390	„ 3,.....	79	.428
4 „	70	.388	„ 4,.....	45	.234
5 „	71	.390	„ 5,.....	28	.123
6 „	71	.385	„ 6,.....	35	.148
7 „	70	.380	„ 7,.....	31	.155
8 „	64	.375	„ 8,.....	41	.206
9 „	62	.377	„ 9,.....	61	.332
10 „	59	.369	„ 10,.....	69	.415
11 „	58	.376	„ 11,.....	81	.522
Noon.	58	.380	„ 12,.....	78	.492
1 p.	57	.381	„ 13,.....	82	.541
2 „	57	.382	„ 14,.....	76	.484
3 „	58	.382	„ 15,.....	73	.483
4 „	61	.388	„ 16,.....	72	.510
5 „	62	.384	„ 17,.....	80	.516
6 „	64	.388	„ 18,.....	81	.531
7 „	66	.390	„ 19,.....	95	.624
8 „	67	.393	„ 20,.....	89	.657
9 „	67	.392	„ 21,.....	69	.371
10 „	68	.396	„ 22,.....	35	.123
11 „	70	.399	„ 23,.....	25	.087
Midt.	70	.397	„ 24,.....	51	.227
			„ 25,.....	59	.343
			„ 26,.....	76	.452
			„ 27,.....	54	.309
			„ 28,.....	54	.278
			„ 29,.....	73	.427
			„ 30,.....	63	.341
			„ 31,.....	80	.429
Means,.....	65	0.386	**Means.**	65	0.386

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.
1896.														
Dec. 1,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,.....	...	...	0.4	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	8.8
„ 5,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.2
„ 6,.....	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.1
„ 7,.....	...	0.1	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.4
„ 8,.....	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.9
„ 9,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.1	...	9.4
„ 10,.....	...	...	...	...	...	0.1	0.5	1.0	1.0	1.0	1.0	0.6	...	5.2
„ 11,.....	...	...	0.6	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.2	...	8.6
„ 12,.....	...	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.4
„ 13,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.7
„ 14,.....	...	...	0.3	0.8	1.0	1.0	1.0	1.0	1.0	0.7	1.0	0.4	...	8.2
„ 15,.....	...	...	...	...	0.2	0.1	0.5	1.0	1.0	1.0	...	...	...	3.8
„ 16,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.6
„ 17,.....	...	...	0.3	0.8	0.5	0.9	1.0	1.0	0.9	0.8	0.1	...	...	6.3
„ 18,.....	...	...	0.2	0.5	0.2	...	...	...	...	...	...	...	...	0.9
„ 19,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,.....	...	...	0.2	0.3	0.4	0.8	1.0	1.0	1.0	1.0	1.0	0.5	...	7.2
„ 21,.....	...	...	0.5	0.8	0.7	0.7	0.1	...	...	...	...	...	...	2.8
„ 22,.....	...	0.4	0.7	0.6	0.9	0.6	0.2	0.2	0.1	...	...	...	...	3.7
„ 23,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.7
„ 24,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	0.6	0.7	1.0	1.0	0.5	...	9.2
„ 25,.....	...	...	0.1	...	0.1	1.0	1.0	1.0	0.4	0.4	0.2	...	...	4.2
„ 26,.....	...	...	...	...	...	0.1	...	...	0.1	...	...	0.3	...	0.5
„ 27,.....	...	...	0.9	1.0	0.7	...	0.4	0.8	0.9	0.6	0.1	...	...	5.4
„ 28,.....	...	...	...	...	...	...	...	0.1	...	...	...	...	...	0.1
„ 29,.....	...	...	...	...	...	...	...	...	...	0.1	...	...	...	0.1
„ 30,.....	...	...	...	...	...	...	0.4	0.9	0.3	...	...	...	...	1.6
„ 31,.....	...	...	...	...	...	...	...	0.8	0.9	1.0	0.3	...	...	3.0
Sums,.....	...	3.9	13.9	16.6	16.7	17.1	18.1	20.4	19.3	18.6	15.6	6.8	...	167.0

TABLE VI.

RAINFALL FOR THE MONTH OF DECEMBER, 1896.

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.	Duration Hours.
Dec. 1,	0.025	0.015	0.005	0.005	...	...	...	0.015	...	...	...	...	...	...	...	0.005	...	...	0.005	...	...	...	...	...	0.075	14
„ 2,	...	...	...	...	0.020	0.065	0.045	0.005	0.015	...	...	...	...	0.050	0.160	0.180	0.010	0.040	0.060	0.020	0.025	0 045	0.005	0.010	0.755	17
„ 3,	...	...	...	...	0.005	0.105	0.080	0.210	0.035	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	0.440	11
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
„ 19,	0.005	0.010	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	5
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.030	0.025	0.010	0.005	0.025	0.170	0.125	0.230	0.050	...	...	...	0.005	0.050	0.160	0.185	0.010	0.040	0.065	0.020	0.025	0.045	0.005	0.010	1.290	49

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF DECEMBER, 1896.

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.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Dec. 1,	7	37	7	36	7	32	7	25	7	27	6	31	7	34	7	33	7	33	7	36	7	39	7	36	7	34	7	28	7	28	7	29	7	28	7	30	7	24	7	29	7	29	7	31	7	31	7	34	754	31.4	7
" 2,	7	35	7	32	7	27	7	26	7	26	7	19	7	22	7	18	7	15	7	16	7	17	7	17	8	17	8	15	9	8	11	2	1	13	32	13	1	12	3	6	1	17	1	17	31	9	1	4	403	16.8	6
" 3,	32	6	31	13	32	10	31	12	32	12	1	9	32	6	32	5	32	11	32	18	30	10	1	11	1	10	3	6	1	8	3	9	2	10	2	9	2	8	2	14	1	14	1	17	32	13	1	18	259	10.8	1
" 4,	1	17	1	13	1	18	1	15	1	12	32	14	32	16	1	10	1	7	1	10	1	12	2	19	1	23	1	18	2	13	2	13	1	10	32	9	2	15	2	15	1	22	1	23	2	17	1	23	364	15.2	1
" 5,	1	32	1	45	1	43	1	38	2	36	2	36	2	40	2	42	2	31	3	20	2	17	2	17	32	11	1	16	2	18	2	17	32	11	32	10	1	23	1	19	1	19	1	25	32	15	4	6	587	24.5	1
" 6,	2	6	1	14	32	10	1	9	1	13	1	15	2	11	2	10	2	10	5	7	5	16	6	12	9	10	11	7	12	8	10	4	32	7	32	6	32	6	32	2	1	4	1	4	...	0	1	2	193	8.0	3
" 7,	...	1	2	5	2	5	32	5	1	3	1	3	30	3	32	4	32	3	5	4	9	4	13	5	13	4	13	2	32	5	10	3	2	6	3	7	2	4	4	4	2	8	1	17	1	20	1	20	145	6.0	2
" 8,	1	15	6	5	2	12	1	11	2	14	2	15	2	13	2	8	2	9	4	6	5	17	6	14	8	17	9	18	11	15	11	11	3	7	3	8	2	5	...	1	3	3	3	3	3	3	...	0	230	9.6	4
" 9,	10	3	...	0	...	1	4	13	5	20	4	20	5	20	5	16	7	26	7	29	7	34	8	25	9	23	9	23	8	22	9	23	8	19	8	16	7	15	7	18	7	17	7	20	7	23	7	24	450	18.7	7
" 10,	7	26	7	24	7	24	7	22	6	24	7	19	7	20	7	19	7	24	7	23	7	23	7	20	7	13	10	15	10	10	10	9	10	13	9	12	10	11	9	10	9	6	9	2	15	3	...	1	373	15.5	8
" 11,	...	0	12	4	10	6	8	8	7	9	6	10	7	14	7	19	7	18	9	28	10	22	9	21	8	17	8	17	7	16	8	15	9	12	6	11	7	11	7	14	7	14	8	18	7	21	7	19	344	14.3	8
" 12,	7	20	7	20	8	18	8	20	9	19	7	21	8	20	7	26	8	26	8	29	8	30	8	21	9	23	9	23	9	25	9	21	8	18	8	13	8	6	11	6	12	2	7	3	9	11	9	12	433	18.0	8
" 13,	9	15	8	13	9	18	8	17	9	13	7	15	7	10	9	8	10	10	10	6	9	8	9	7	9	8	8	8	27	6	27	4	5	5	5	4	9	12	13	8	...	1	11	10	10	8	11	5	219	9.1	9
" 14,	11	3	11	4	5	5	2	6	6	14	7	16	6	20	7	25	6	21	7	21	8	28	7	24	7	24	7	21	7	23	8	21	7	22	7	19	7	19	7	18	7	20	7	20	7	22	7	22	438	18.3	7
" 15,	7	23	7	24	7	25	7	26	7	23	7	26	7	27	7	25	8	23	8	20	9	20	9	14	10	15	10	17	10	13	9	15	9	9	9	2	31	5	31	2	24	3	...	1	...	1	24	2	361	15.0	8
" 16,	...	0	...	1	...	1	24	2	...	1	22	2	19	3	19	2	24	2	2	4	19	6	23	6	24	7	25	7	26	8	28	5	28	4	...	0	10	7	8	12	7	10	7	12	6	17	6	16	135	5.6	5
" 17,	7	15	7	17	7	19	7	20	7	22	7	23	7	26	7	27	7	25	7	24	7	29	7	29	7	26	7	22	7	24	7	23	7	22	7	20	7	15	6	16	7	20	7	22	7	21	7	24	531	22.1	7
" 18,	7	24	7	26	7	24	7	26	7	24	7	24	7	26	7	26	7	26	7	25	7	25	7	22	7	24	8	22	7	24	8	20	7	17	7	19	7	23	7	25	7	24	7	20	7	14	7	16	546	22.7	7
" 19,	6	20	7	16	8	19	7	15	7	16	8	19	7	20	7	20	7	24	7	22	8	22	7	20	8	18	7	16	7	19	8	17	8	15	9	12	9	13	10	12	10	12	11	10	9	10	9	10	397	16.5	8
" 20,	9	16	9	14	9	15	10	13	9	13	9	11	8	16	8	14	10	14	9	16	10	16	10	16	10	16	9	18	9	16	9	13	10	11	9	13	9	14	10	13	10	10	9	6	...	1	12	2	307	12.8	9
" 21,	12	5	24	10	28	14	28	15	30	4	32	6	32	5	32	8	2	4	31	6	2	14	32	19	32	10	32	16	1	15	32	17	32	16	2	12	32	10	32	9	1	11	32	12	1	21	1	20	279	11.6	32
" 22,	1	22	1	21	1	19	1	19	1	12	1	13	1	13	2	14	1	13	1	16	1	17	2	15	1	12	1	15	1	15	1	17	1	19	1	20	1	26	1	22	1	22	32	21	1	20	1	18	421	17.5	1
" 23,	32	15	32	10	32	12	32	7	32	7	2	5	1	20	1	22	32	20	32	15	31	6	32	8	11	4	8	5	9	6	9	7	6	10	6	12	5	10	4	6	3	5	...	1	5	6	2	7	226	9.4	2
" 24,	5	11	3	8	2	8	2	5	32	2	32	3	32	2	32	3	6	3	9	10	9	10	10	4	24	10	10	7	10	13	9	16	8	14	8	10	9	10	9	11	8	11	9	13	9	12	7	14	210	8.8	8
" 25,	9	8	5	9	5	8	7	8	3	2	2	5	8	14	9	21	7	17	7	24	8	26	8	23	7	20	7	23	7	25	7	26	7	21	7	18	8	19	7	22	7	28	7	31	7	34	7	40	472	19.7	7
" 26,	7	31	7	27	7	22	7	17	7	23	7	30	7	30	7	31	6	27	7	25	7	28	7	24	8	24	9	24	9	23	9	21	10	21	10	12	12	3	...	0	...	0	...	0	22	6	25	12	461	19.2	8
" 27,	27	12	27	12	30	8	2	10	2	8	32	10	31	9	31	9	1	6	26	4	32	12	32	10	1	9	2	5	2	8	31	8	31	5	29	10	31	7	...	1	30	5	30	4	31	3	32	5	180	7.5	31
" 28,	1	9	32	10	1	8	32	7	1	11	1	6	32	8	32	7	32	3	...	1	32	2	25	7	...	1	24	2	24	6	25	3	...	1	26	3	27	2	...	0	32	3	9	7	9	4	9	12	123	5.1	32
" 29,	9	15	9	14	8	17	8	18	7	15	7	17	7	15	7	14	7	15	8	15	8	22	10	14	10	10	10	11	10	8	10	7	2	6	2	5	2	9	1	17	1	17	3	14	32	14	1	8	317	13.2	6
" 30,	1	6	32	5	32	5	32	9	1	2	32	4	6	6	4	8	4	15	8	17	8	19	8	22	7	27	7	23	7	27	7	27	7	26	7	24	7	28	7	30	7	30	8	37	7	37	7	33	467	19.5	7
" 31,	7	35	7	35	7	36	7	38	7	39	7	40	7	38	7	33	7	32	7	27	7	33	6	29	7	27	7	27	7	25	7	21	6	21	7	22	6	16	6	11	6	11	6	10	6	9	7	9	624	26.0	7
Sums,	...	483	...	487	...	489	...	482	...	466	...	487	...	527	...	527	...	513	...	524	...	584	...	531	...	494	...	477	...	480	...	444	...	419	...	381	...	388	...	373	...	398	...	431	...	426	...	438	11249	468.7	...
Means,	...	15.6	...	15.7	...	15.8	...	15.5	...	15.0	...	15.7	...	17.0	...	17.0	...	16.5	...	16.9	...	18.8	...	17.1	...	15.9	...	15.4	...	15.5	...	14.3	...	13.5	...	12.3	...	12.5	...	12.0	...	12.8	...	13.9	...	13.7	...	14.1	362.9	15.1	...

TABLE VIII.

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
1896.												
Dec. 1, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	cum-nim.	E
„ 2, ...	10	cum-nim.	...	10	cum.	...	10	nim.	E	10	cum-nim.	E
„ 3, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	cum-nim.	N
„ 4, ...	0	...	...	0	...	...	3	sm-cum. / cum.	ENE / ..	2	c-cum.	...
„ 5, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 6, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 7, ...	0	...	...	0	...	...	3	sm-cum.	...	0	...	...
„ 8, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 9, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 10, ...	10	cum.	...	10	cum.	...	9	sm-cum. / cum.	SW / ENE	10	sm-cum.	SW
„ 11, ...	3	sm-cum.	NW	6	cum.	S	8	sm-cum. / cum.	SSW / ..	0	...	...
„ 12, ...	0	...	...	6	cum.	...	4	sm-cum.	...	1	sm-cum.	...
„ 13, ...	0	...	...	0	...	...	1	cum.	...	0	...	...
„ 14, ...	0	...	...	8	cum.	...	4	cum.	ENE	2	cum.	E
„ 15, ...	7	cum.	E	6	cum.	...	8	sm-cum.	W	10	sm-cum.	WNW
„ 16, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 17, ...	10	cum.	SE	10	cum.	ESE	7	cum.	ESE	8	cum.	ESE
„ 18, ...	10	cum.	SE	10	cum.	SE	10	cum.	ENE	10	cum.	E
„ 19, ...	10	nim.	ESE	10	cum-nim.	ESE	10	str-cum.	E	10	nim.	E
„ 20, ...	10	cum.	SE	10	cum.	SE	10	cum.	ESE	8	cum.	ESE
„ 21, ...	8	cum.	...	10	cum.	...	3	sm-cum.	...	1	cum.	...
„ 22, ...	10	cum.	...	10	cum.	...	5	sm-cum.	WNW	7	sm-cum.	WNW
„ 23, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 24, ...	0	...	...	1	cum.	SE	0	...	...	0	...	...
„ 25, ...	10	cum.	S	10	cum.	...	10	sm-cum.	S	8	sm-cum.	W
„ 26, ...	10	cum.	E	10	cum.	E	10	sm-cum. / cum.	E	10	sm-cum. / cum.	E
„ 27, ...	10	str-cum.	...	10	str-cum.	...	4	sm-cum.	WNW	7	sm-cum.	WNW
„ 28, ...	10	str-cum.	...	10	str-cum.	...	10	sm-cum.	...	10	str-cum.	...
„ 29, ...	0	...	...	10	cum.	SW	10	sm-cum. / cum.	ESE	10	sm-cum.	WNW
„ 30, ...	10	str-cum.	...	10	str-cum.	...	10	sm-cum.	WSW	10	sm-cum.	WSW
„ 31, ...	10	cum.	...	10	cum.	...	10	cum.	E	10	str-cum.	E
Means,...	5.4	...	...	6.4	...	...	5.8	...	...	5.3	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1896.													
Dec. 1,...	10	cum-nim.	E	10	nim.	E	10	nim.	...	10	str.	...	10.0
„ 2,...	10	str-cum.	E	10	nim.	...	10	nim.	...	10	nim.	...	10.0
„ 3,...	10	str-cum.	N	10	str-cum.	N	8	str-cum.	N	0	...	...	8.5
„ 4,...	0	...	...	2	cum.	NNE	0	...	...	0	...	...	0.9
„ 5,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 6,...	0	...	...	2	sm-cum.	...	0	...	...	0	...	...	0.2
„ 7,...	0	...	...	0	...	...	0	...	...	0	...	...	0.4
„ 8,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 9,...	0	...	...	8	sm-cum.	SSW	10	cum.	...	10	cum.	...	3.5
„ 10,...	1	c-cum.	...	7	sm-cum.	W	9	sm-cum.	W	6	sm-cum.	W	7.8
„ 11,...	4	cum.	ESE	9	cum.	ESE	9	cum.	E	8	cum.	E	5.9
„ 12,...	0	...	...	0	...	...	0	...	...	0	...	...	1.4
„ 13,...	0	...	...	0	...	...	0	...	...	0	...	...	0.1
„ 14,...	4	cum.	E	1	cum.	...	5	cum.	E	9	cum.	E	4.1
„ 15,...	6	sm-cum.	WSW	9	sm-cum.	WSW	7	sm-cum.	WSW	4	sm-cum.	WSW	7.1
„ 16,...	0	...	...	0	...	...	0	...	...	10	cum.	SE	1.2
„ 17,...	2	cum.	ESE	8	cum.	ESE	10	str-cum.	SE	8	cum.	S	7.9
„ 18,...	10	cum.	ESE	10	str-cum.	ESE	10	nim.	ESE	10	R-cum.	ESE	10.0
„ 19,...	10	nim.	E	10	cum.	E	10	str-cum.	...	10	cum.	SE	10.0
„ 20,...	1	cum.	...	1	cum.	...	0	...	...	0	...	...	5.0
„ 21,...	10	str-cum.	...	10	str-cum.	ENE	10	str-cum.	...	10	str-cum.	...	7.8
„ 22,...	10	sm-cum.	WNW	10	sm-cum.	WNW	10	str-cum.	...	9	sm-cum.	WNW	8.9
„ 23,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 24,...	8	sm-cum.	...	1	sm-cum.	...	0	...	...	10	cum.	...	2.5
„ 25,...	2	sm-cum.	WSW	7	sm-cum.	WSW	8	sm-cum.	...	5	cum.	...	7.5
„ 26,...	10	sm-cum.	W	10	sm-cum.	WNW	10	str-cum.	...	10	str.	...	10.0
„ 27,...	7	c-cum.	WNW	8	c-cum. / sm-cum.	WNW / ..	10	str-cum.	...	10	str-cum.	...	8.2
„ 28,...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	5	cum.	...	9.4
„ 29,...	10	sm-cum.	WSW	10	sm-cum.	WSW	10	str-cum.	...	10	str-cum.	...	8.8
„ 30,...	9	sm-cum. / cum.	WSW / E	10	cum.	E	10	str-cum.	...	10	str-cum.	...	9.9
„ 31,...	7	sm-cum. / cum.	ESE	8	sm-cum. / cum.	WNW / ESE	4	cum.	...	0	...	...	7.4
Means,...	4.9	...	...	5.8	...	...	5.8	...	...	5.6	...	...	5.6

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND FOR THE MONTH OF DECEMBER, 1896.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	6.3	11.3	0.5	0.3	+ 5.8	+ 11.0	E 28° N
2 „	6.6	10.7	0.4	0.7	6.2	10.0	E 32° N
3 „	6.8	10.7	0.3	0.4	6.5	10.3	E 33° N
4 „	6.9	10.6	0.2	0.5	6.7	10.1	E 34° N
5 „	6.5	11.3	0.3	0.0	6.2	11.3	E 29° N
6 „	7.1	11.6	0.1	0.1	7.0	11.5	E 31° N
7 „	7.0	12.8	0.1	0.1	6.9	12.7	E 29° N
8 „	6.8	13.0	0.3	0.1	6.5	12.9	E 27° N
9 „	6.2	12.9	0.3	0.1	5.9	12.8	E 25° N
10 „	4.8	14.0	0.4	0.2	4.4	13.8	E 18° N
11 „	4.8	15.8	0.9	0.3	3.9	15.5	E 14° N
Noon.	5.0	13.8	0.8	0.4	4.2	13.4	E 18° N
1 p.	3.6	12.9	1.1	0.5	2.5	12.4	E 12° N
2 „	3.4	12.8	1.4	0.3	2.0	12.5	E 9° N
3 „	4.1	12.4	1.5	0.6	2.6	11.8	E 12° N
4 „	3.5	11.7	1.2	0.4	2.3	11.3	E 11° N
5 „	4.8	10.1	0.7	0.1	4.1	10.0	E 22° N
6 „	4.7	9.2	0.4	0.3	4.3	8.9	E 26° N
7 „	5.3	8.8	0.6	0.1	4.7	8.7	E 29° N
8 „	4.8	8.9	0.8	0.0	4.0	8.9	E 25° N
9 „	6.1	8.6	0.4	0.2	5.7	8.4	E 34° N
10 „	6.1	9.5	0.5	0.0	5.6	9.5	E 31° N
11 „	5.9	9.5	0.5	0.3	5.4	9.2	E 31° N
Midt.	5.9	10.1	0.3	0.5	+ 5.6	+ 9.6	E 30° N
Means, ...	5.5	11.4	0.6	0.3	+ 4.96	+ 11.10	E 24° N

PHENOMENA :—

Lunar corona :—on the 15th.

Slight fog :—on the 16th and 28th.

Haze :—on the 15th, 16th and 24th.

Dew :—on the 10th, 12th, 13th, 15th and 20th.

RAINFALL IN CHINA IN 1893.

STATION.	Lat. N.		Long. E. Gr.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
Yuensan,	39°	9′	127°	33′	4.06	0.58	0.00	2.92	5.07	8.46	11.90	8.93	28.25	1.56	2.96	0.53	75.22
Houki,	38	4	120	39	0.72	0.00	0.00	0.00	4.30	3.30	1.90	1.57	2.06	0.78	0.96	0.00	15.59
Chefoo,	37	34	121	32	0.00	0.00	0.00	0.08	2.34	3.74	2.97	0.00	5.13	0.31	1.58	0.00	16.15
Chemulpo,	37	29	126	37	2.00	0.27	0.25	1.61	5.38	6.54	5.39	8.72	14.42	2.83	2.60	1.50	51.51
Shangtung Promontory,	37	24	122	42	0.00	0.00	0.00	0.38	3.15	4.52	0.54	1.50	6.82	0.69	1.51	1.10	20.21
Fusan,	35	5	129	6	1.96	0.00	1.04	3.92	7.44	7.22	1.82	0.38	4.66	3.06	2.00	0.06	33.56
Chinkiang,	32	12	119	30	3.77	0.18	1.25	2.64	5.91	9.03	2.79	4.55	11.22	1.96	0.20	0.00	43.50
Wusung,	31	25	121	27	0.96	0.81	2.53	2.75	4.17	7.39	6.27	11.08	11.78	2.99	0.17	0.08	50.98
Shaweishan,	31	25	122	15	2.90	1.21	1.60	4.08	4.60	5.99	3.75	8.92	13.41	1.46	0.48	0.00	48.40
Wuhu,	31	22	118	22	3.78	1.23	1.90	3.30	6.11	7.29	3.19	3.12	6.34	2.83	0.21	0.00	39.30
North Saddle,	30	52	122	40	2.50	1.09	2.18	3.90	4.58	4.02	2.50	3.57	4.49	0.44	1.42	0.43	31.12
Gutzlaff,	30	49	122	11	3.05	1.53	2.44	2.02	2.76	3.78	1.83	9.25	5.59	1.06	0.00	0.27	33.58
Hankow,	30	33	114	20	2.87	1.88	2.74	4.54	10.06	15.76	9.02	0.79	3.49	3.64	0.54	0.38	55.71
Ichang,	30	12	111	19	1.12	1.57	2.18	3.99	7.25	6.89	9.67	2.50	6.76	0.50	1.46	0.02	43.91
Steep Island,	30	12	122	36	2.53	2.79	3.19	4.28	3.61	6.35	5.67	2.63	4.41	1.86	0.00	0.89	38.21
Ningpo,	29	58	121	44	3.29	5.18	3.14	5.38	4.18	8.06	3.59	6.08	9.19	6.62	0.08	1.19	55.98
Kiukiang,	29	43	116	7	2.56	2.97	4.06	3.79	9.40	6.74	10.27	5.88	19.55	3.58	0.09	0.32	69.21
Wenchow,	28	0	120	35	2.66	5.05	4.01	4.03	3.32	8.40	6.05	6.15	11.11	4.60	0.00	0.28	55.66
Foochow,	26	8	119	38	2.25	2.40	5.58	4.57	4.61	2.88	9.98	1.74	12.63	2.83	0.00	0.00	49.47
Middle Dog,	25	58	120	2	1.22	2.37	4.72	4.90	4.04	1.67	2.80	0.56	8.70	3.67	0.00	0.03	34.68
Turnabout,	25	26	119	59	2.63	1.66	3.69	4.66	4.23	4.08	2.57	0.34	2.81	0.67	0.00	0.04	27.38
Tamsui,	25	10	121	25	10.85	10.11	5.94	6.30	6.22	5.22	4.24	2.47	3.79	6.09	0.78	2.28	64.29
Keelung,	25	8	121	45	13.39	25.43	8.57	5.63	10.95	4.98	8.08	3.77	16.02	4.98	5.91	10.32	118.03
Ockseu,	24	59	119	28	2.84	0.99	2.54	3.64	4.23	2.72	1.54	0.59	8.86	1.36	0.00	0.00	29.31
Amoy,	24	27	118	4	2.48	0.96	3.47	2.44	11.22	3.33	4.92	5.04	7.73	2.24	0.00	0.14	43.97
Chapel Island,	24	10	118	13	1.45	2.04	2.31	1.82	7.76	1.43	3.77	1.19	3.24	0.00	0.00	0.00	25.01
Fisher Island,	23	33	119	28	3.40	0.53	0.99	0.94	2.11	0.13	7.25	2.12	3.50	0.19	0.19	0.02	21.37
Swatow,	23	20	116	43	2.70	0.76	3.57	2.85	27.56	2.51	8.69	7.40	14.22	3.05	0.00	0.21	73.52
Lamocks,	23	15	117	18	2.13	0.67	2.41	1.82	20.54	1.42	10.03	2.25	11.85	2.21	0.00	0.12	55.45
Canton,	23	7	113	17	0.97	0.23	3.37	6.09	8.33	7.83	4.63	4.47	4.93	5.65	0.00	0.01	46.51
Anping,	22	59	120	13	11.71	0.57	0.34	1.09	4.82	0.30	25.67	12.16	6.21	0.58	0.00	0.00	63.45
Breaker Point,	22	56	116	28	1.84	0.53	2.05	3.39	27.09	1.30	15.90	8.48	21.55	9.98	0.00	0.00	92.11
Takow,	22	36	120	16	1.22	0.45	1.72	1.75	10.12	2.56	61.66	8.73	28.22	4.98	0.55	0.00	121.96
Hongkong,	22	18	114	10	1.53	0.46	3.38	8.43	16.13	7.09	21.22	8.73	15.04	17.87	0.03	0.04	99.95
South Cape,	21	55	120	51	2.25	1.75	4.27	3.55	3.85	2.39	22.91	8.12	24.70	14.24	0.84	0.40	89.27
Pakhoi,	21	29	109	6	0.37	1.10	2.69	2.01	23.94	4.87	15.49	16.18	11.89	0.80	0.00	0.00	79.34
Kiungchow,	20	3	110	20	0.73	0.56	0.85	5.08	7.35	8.48	4.24	12.33	9.86	7.42	0.16	0.06	57.12

RAINFALL IN CHINA IN 1894.

STATION.	Lat. N.		Long. E. Gr.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
Yuensan,	39°	9′	127°	33′	0.07	0.78	2.93	2.38	2.74	9.89	4.09	11.08	0.78	5.97	5.17	1.77	47.65
Houki,	38	4	120	39	0.00	0.00	0.14	1.26	0.50	2.34	7.83	1.29	0.00	0.00	1.44	0.00	14.80
Chefoo,	37	34	121	32	0.00	0.00	0.27	0.87	0.00	1.90	9.83	2.44	0.98	0.00	2.52	0.00	18.81
Chemulpo,	37	29	126	37	0.61	0.22	1.62	2.26	2.49	11.20	2.60	4.25	0.85	0.48	1.20	0.40	28.18
Shantung Promontory,	37	24	122	42	0.00	0.00	1.19	3.87	0.83	4.09	8.20	4.49	1.08	0.00	1.87	0.25	25.87
Fusan,	35	5	129	6	0.14	0.08	3.02	5.58	4.56	10.98	0.14	0.10	6.40	0.34	2.88	1.32	35.54
Chinkiang,	32	12	119	30	0.84	0.32	3.94	3.34	4.70	0.00	0.00	0.00	5.00	0.61	2.38	0.59	21.72
Wusung,	31	25	121	27	2.37	0.98	5.06	3.29	4.02	4.17	5.41	3.36	3.18	2.89	1.69	0.41	36.83
Shaweishan,	31	25	122	15	1.29	0.56	4.65	4.02	7.41	7.69	2.76	1.56	0.24	1.30	1.10	0.00	32.58
Wuhu,	31	22	118	22	1.17	0.22	5.15	4.11	5.22	5.34	4.01	1.33	7.26	4.71	1.15	1.08	40.75
North Saddle,	30	52	122	40	2.16	1.48	6.32	2.80	2.72	5.33	0.37	0.30	0.84	2.68	1.77	0.63	27.40
Gutzlaff,	30	49	122	11	1.66	0.49	6.67	2.65	2.39	7.28	0.42	0.00	2.48	3.17	1.94	0.53	29.68
Hankow,	30	33	114	20	1.86	1.91	6.12	4.65	7.02	6.40	4.96	1.26	9.46	3.80	1.51	1.63	50.58
Ichang,	30	12	111	19	0.85	2.19	3.55	6.51	5.05	8.57	5.15	7.79	9.84	2.41	0.51	0.62	53.04
Steep Island,	30	12	122	36	2.24	0.35	7.34	4.81	4.63	1.91	0.00	0.00	0.58	2.92	2.58	0.64	28.00
Ningpo,	29	58	121	44	4.22	1.01	4.26	3.81	5.39	7.79	2.74	1.49	4.88	3.83	2.74	0.93	43.09
Kiukiang,	29	43	116	7	3.86	3.65	9.24	4.97	8.16	8.40	2.48	3.15	5.65	0.56	0.80	0.98	51.90
Wenchow,	28	0	120	35	3.09	1.20	6.04	7.50	9.05	11.70	0.39	4.57	3.34	3.40	0.88	0.64	51.80
Foochow,	26	8	119	38	3.00	1.58	4.20	3.69	5.01	11.38	...	7.58	4.90	...	..	...	...
Middle Dog,	25	58	120	2	1.87	1.61	4.20	1.79	6.39	11.37	0.06	4.84	1.21	6.40	0.17	2.69	42.60
Turnabout	25	26	119	59	1.55	1.34	4.61	2.86	11.66	22.96	0.04	1.62	2.64	14.91	0.89	6.98	72.06
Tansui,	25	10	121	25	6.91	2.09	8.60	3.70	8.39	6.60	0.25	5.81	4.96	15.27	2.10	8.12	72.71
Keelung,	25	8	121	45	26.96	8.27	17.88	10.60	15.42	10.10	1.60	9.25	17.18	26.04	18.48	35.59	197.37
Ockseu,	24	59	119	28	0.41	0.55	3.97	3.34	7.27	7.12	0.10	5.39	3.29	6.48	0.00	2.43	40.35
Amoy,	24	27	118	4	1.01	0.43	4.37	2.70	7.25	14.90	0.84	4.80	1.48	6.93	0.30	1.73	46 74
Chapel Island,	24	10	118	13	0.84	0.00	2.19	2.13	8.99	7.99	0.24	5.63	1.72	8.90	0.29	1.64	40.56
Fisher Island,	23	33	119	28	0.67	0.61	1.26	0.81	6.10	6.48	0.26	8.07	3.82	3.70	0.15	0.68	32.61
Swatow,	23	20	116	43	0.62	0.97	1.60	3.36	14.30	12.96	3.29	9.38	9.22	7.39	0.79	1 35	65.23
Lamecks,	23	15	117	18	0.58	0.24	1.15	3.14	5.85	10.63	3.06	2.47	6.44	3.21	0.65	0.96	38.38
Canton,	23	7	113	17	0.53	0.31	1.87	6.50	7.68	15.64	6.03	10.75	5.07	0.00	0.03	0.67	55.08
Anping,	22	59	120	13	0.38	0.00	0.03	0.75	10.39	7.36	2.81	9.15	2.70	0.16	0.43	0.16	34.32
Breaker Point,	22	56	116	28	0.45	0.22	0.28	6.08	16.07	14.97	5.05	8.78	11.69	12.68	1.76	1.15	79.18
Takow,	22	36	120	16	1.31	0.24	0.00	0.59	13.51	13.68	2.50	10.93	5.18	1.57	0.59	0 32	50.42
Hongkong,	22	18	114	10	0.89	0.58	0.27	2.49	20.01	16.54	9.48	16.53	19.11	17.57	0.03	0.75	104.25
South Cape,	21	55	120	51	1.04	3.12	2.23	1.56	3.16	12.45	10.46	5.44	17.61	1.31	2.64	5.33	66.35
Pakhoi,	21	29	109	6	0.93	0.00	1.00	3.29	3.57	19.26	25.64	4.65	6.53	0.00	0.13	2.79	67.79
Kiungchow,	20	3	110	20	0.67	0.11	0.27	4.05	5.46	10.30	8.79	2.96	11.94	9.35	0.09	0.59	54 58

HIGH LEVEL ANEMOMETRY IN HONGKONG.

The following tables show the hourly readings of the direction and velocity of the wind at Victoria Peak, and also the proportion of the mean velocities relatively to those registered at the Observatory. The instruments are duplicates of each other. The cups are 1834 feet above the sea at the Peak, 150 feet above M. S. L. at the Observatory. This proportion is greater in summer (when the wind is southerly) than in winter (when it is easterly). The daily variation of the proportion is as follows :—

	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.
May–October, ...	1.91	1.92	1.90	1.96	1.95	1.95
November–April, ...	1.46	1.50	1.47	1.50	1.46	1.46
	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
May–October, ...	1.81	1.58	1.35	1.24	1.17	1.15
November–April, ...	1.45	1.38	1.34	1.23	1.17	1.14
	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
May–October, ...	1.15	1.19	1.21	1.32	1.38	1.47
November–April, ...	1.13	1.12	1.09	1.19	1.28	1.42
	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.
May–October, ...	1.63	1.77	1.78	1.84	1.90	1.93
November–April, ...	1.48	1.52	1.49	1.53	1.48	1.48

These figures show that the proportion is greatest during the coldest, and least during the hottest, hour of the day, which agrees with Köppen's explanation.

For various directions the proportion is as follows :—N 2.0, NE 1.7, E 1.3, SE 1.5, S 1.8, SW 2.4, NW 1.9.

These figures, which are the same in a typhoon as in moderate wind, depend to a great extent upon the fact that the Observatory is more exposed to E winds than to any other winds, and also upon the circumstance that the trend of the coast of Southern China favours the predominance of E winds.

For an observer at the Observatory looking towards the wind, the wind-direction at the Peak lies always to the right-hand side. With N wind the difference is about 10°, with NE wind 18°, with E wind 18°, with SE wind 27°, with S winds 30°. This difference is greatest during the coldest hour and least during the hottest hour of the day, and the daily variation of the direction difference is greatest in winter and least in summer.

The daily variation in the velocity of the wind is not so great at the Peak as at the Observatory. The maximum occurs during the early morning hours, when the temperature is low, and the minimum usually near the time when the temperature is highest. On days when there is not much wind it is occasionally found that the wind-velocity is greater at the Observatory than at the Peak during the hottest part of the day, which is a very curious fact, but when it happens it is always with E wind.

A wind-velocity as high as 50 or 60 miles per hour occurs usually at least once a month at the Peak, and there is usually at least one totally calm hour during the month. In typhoons it must sometimes blow as much as 150 miles an hour. When during the winter there happens to be a storm-centre over Northern China, but only wind-forces up to 6 are reported from stations in China, then it often blows with force 8 at the Peak.

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF JANUARY, 1896.

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.		Vel.		Dir.	Proportion. Peak / Ob'tory.
	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	
Jan. 1, ...	6	15	6	13	5	11	3	8	2	4	29	5	31	7	1	6	1	7	4	7	1	6	32	9	1	15	1	18	1	12	3	18	1	23	3	35	2	33	2	39	3	40	3	32	3	30	2	26	419	17.5	3	1.58
,, 2, ...	3	26	2	19	4	20	3	14	3	15	2	13	5	15	4	14	6	13	6	18	6	23	6	15	7	11	7	5	3	5	4	7	5	10	3	11	1	13	5	10	8	20	8	20	8	23	8	18	358	14.9	5	1.68
,, 3, ...	7	18	7	18	7	18	7	15	7	14	7	14	5	7	5	5	5	6	5	5	6	5	4	6	5	5	5	5	3	9	4	7	4	8	4	14	4	14	4	15	5	20	6	19	5	17	5	15	279	11.6	6	1.75
,, 4, ...	6	14	5	14	6	18	6	17	6	21	7	19	6	15	4	19	4	26	6	17	7	16	7	15	5	17	2	13	2	13	2	15	2	17	6	16	9	27	6	24	7	31	7	38	6	30	7	34	486	20.3	6	1 61
,, 5.	7	27	6	29	6	23	5	25	5	14	2	14	2	14	2	15	4	16	5	14	7	11	6	5	2	4	2	4	31	5	4	2	5	7	5	12	7	20	9	21	7	29	8	29	8	30	8	34	404	16.8	6	1.50
,, 6, ...	8	34	6	27	7	22	7	20	7	19	7	17	7	14	7	13	7	12	7	7	8	4	11	2	7	2	...	1	22	2	...	0	...	1	32	6	1	9	31	9	31	8	1	7	1	6	4	5	247	10.3	6	0.69
,, 7, ...	4	5	32	5	32	5	4	6	5	5	4	5	3	7	3	5	3	3	4	4	11	5	11	4	11	5	17	5	17	2	20	4	21	2	21	2	21	3	21	5	9	11	9	8	9	8	9	10	124	5.2	8	0.42
,, 8, ...	10	10	10	12	11	12	11	14	11	13	11	13	11	14	11	10	10	9	11	12	11	11	10	10	11	7	18	6	22	5	23	4	25	3	25	3	25	3	25	3	25	4	5	6	8	6	10	6	196	8.2	11	0.68
,, 9, ...	11	5	11	5	10	2	10	4	11	10	11	13	11	15	11	13	11	12	12	10	24	7	9	6	16	6	18	4	16	7	14	10	14	6	14	7	14	8	13	16	13	16	13	14	13	14	11	17	227	9.5	12	0.95
,, 10, ...	11	13	11	13	10	14	9	14	9	15	9	16	9	17	9	20	10	15	10	12	10	4	27	11	26	11	26	12	26	12	27	13	27	13	27	11	28	12	30	10	5	10	7	12	8	14	8	16	310	12.9	7	1.87
,, 11, ...	8	23	8	24	6	19	8	22	9	26	9	24	8	28	7	22	7	25	9	18	8	19	7	20	8	21	8	22	9	23	8	19	7	21	7	23	8	26	8	29	8	32	8	29	8	23	8	27	565	23.5	8	1.10
,, 12, ...	8	28	8	28	7	29	7	34	7	30	7	34	7	28	7	25	7	27	7	24	7	26	7	23	8	23	8	28	7	30	7	27	8	30	8	27	8	21	7	20	7	22	7	28	8	28	8	28	648	27.0	7	1.19
,, 13, ...	6	25	9	28	8	29	8	25	6	21	7	20	8	25	8	28	8	27	8	15	8	15	8	16	8	15	7	19	8	19	8	17	8	17	8	28	8	28	7	24	8	33	8	31	8	30	8	24	559	23.3	8	1.69
,, 14, ...	7	28	8	23	7	23	8	26	8	25	8	26	8	23	8	23	8	18	7	19	7	15	8	15	8	16	9	16	9	19	9	20	9	19	8	19	8	16	8	17	8	21	8	24	8	28	8	31	510	21.2	8	1.90
,, 15, ...	9	33	8	32	8	27	8	34	8	34	7	35	8	36	9	47	9	47	8	43	7	38	9	35	9	37	8	30	8	22	8	22	8	25	9	30	9	32	8	24	9	26	8	29	8	30	10	20	768	32.0	8	1.25
,, 16, ...	7	21	7	24	8	25	7	26	7	25	7	19	7	18	6	23	8	22	7	22	8	22	9	20	7	23	8	18	7	18	7	20	6	15	5	15	2	10	6	15	9	16	8	14	8	10	7	13	454	18.9	7	1.43
,, 17, ...	6	12	4	9	3	10	3	10	3	8	4	11	7	11	7	10	3	9	6	9	8	10	8	8	9	6	8	10	9	10	8	12	7	10	8	17	8	21	8	21	7	27	8	30	7	28	8	24	333	13.9	7	1.31
,, 18, ...	7	32	8	32	8	35	8	28	8	30	9	30	9	30	8	30	8	27	8	23	11	24	11	30	10	20	10	16	9	14	12	8	14	4	7	6	31	9	31	7	4	7	32	10	32	16	4	18	495	20.6	8	1.07
,, 19, ...	1	16	4	19	2	21	3	23	1	17	4	18	1	14	4	15	4	7	4	7	8	7	6	8	7	10	8	9	8	11	9	11	9	12	8	11	7	15	7	12	7	13	6	14	8	23	8	20	333	13.9	5	1.29
,, 20, ...	8	21	8	24	7	26	7	25	7	26	8	24	7	26	8	25	8	27	7	30	8	25	8	23	9	20	9	18	9	14	8	15	7	18	7	20	7	22	7	18	6	20	8	17	8	21	8	20	525	21.9	8	1.25
,, 21, ...	8	23	8	25	8	23	7	24	8	19	6	20	8	21	8	22	8	20	9	25	8	24	8	20	7	18	7	14	7	12	6	14	7	12	7	9	7	7	7	8	3	9	1	12	30	12	2	7	400	16.7	7	1.29
,, 22, ...	7	6	7	8	32	10	30	11	30	10	2	13	4	11	6	12	6	15	8	10	6	7	3	6	6	5	26	5	29	6	31	3	31	5	4	8	8	19	8	23	7	20	7	22	7	23	8	24	282	11.8	5	1.16
,, 23, ...	7	23	7	23	9	27	7	27	7	26	6	27	6	24	6	17	9	15	9	16	7	20	8	17	8	12	8	6	4	5	7	4	7	8	2	11	1	11	3	13	2	17	4	22	4	25	4	21	417	17.4	6	1.12
,, 24, ...	4	16	6	16	7	15	5	12	8	14	8	13	8	13	7	10	8	8	8	7	5	6	1	4	27	7	25	5	16	3	11	1	7	3	5	10	3	10	4	5	5	8	8	9	9	10	9	12	217	9.0	6	1.23
,, 25, ...	8	17	9	16	9	21	8	19	8	17	7	13	7	12	8	10	9	10	10	5	10	4	11	8	11	4	32	4	6	4	8	5	11	10	11	7	10	7	10	4	10	5	13	12	12	19	12	17	250	10.4	9	0.98
,, 26, ...	12	23	13	29	13	25	14	27	13	34	13	33	14	42	15	45	17	40	18	39	22	24	21	33	22	41	19	47	20	40	20	43	19	40	19	38	20	30	18	22	20	22	20	25	20	23	19	27	792	33.0	18	3.13
,, 27, ...	20	17	19	19	20	14	22	10	24	8	3	5	3	8	6	6	11	4	11	2	5	6	2	3	4	8	4	6	4	10	5	13	8	20	9	27	9	28	8	31	8	35	8	37	8	35	8	37	389	16.2	8	0.93
,, 28, ...	8	38	8	42	8	45	8	44	7	43	7	37	7	31	6	26	4	17	4	16	5	19	6	25	5	29	5	28	5	29	6	30	5	33	5	31	6	26	7	24	7	25	7	26	7	23	8	24	711	29.6	6	1.49
,, 29, ...	8	26	8	32	8	36	7	30	7	31	7	30	7	27	8	33	7	30	8	31	8	29	8	32	8	29	8	30	8	31	8	32	9	36	9	42	10	33	9	30	9	38	9	38	8	26	9	35	767	32.0	8	1.26
,, 30, ...	8	30	8	25	10	30	10	26	10	27	9	22	10	33	11	38	11	30	11	29	12	28	12	20	12	22	12	26	12	18	9	20	10	12	9	17	9	21	9	17	9	19	8	28	8	23	9	24	585	24.4	10	1.05
,, 31, ...	9	24	9	20	8	21	8	22	8	22	8	24	7	17	7	20	6	21	6	15	6	29	8	24	8	31	9	24	9	35	7	30	8	25	7	29	7	32	8	34	7	30	6	31	7	32	7	32	624	26.0	8	1.50
Sums, ...	...	649	...	653	...	656	...	642	...	623	...	616	...	603	...	607	...	565	...	511	...	489	...	473	...	480	...	454	...	445	...	446	...	465	...	542	...	566	...	550	...	634	...	673	...	666	...	666	13674	569.8	...	...
Means, ...	...	20.9	...	21.1	...	21.2	...	20.7	...	20.1	...	19.9	...	19.5	...	19.6	...	18.2	...	16.5	...	15.8	...	15.3	...	15.5	...	14.6	...	14.4	...	14.4	...	15.0	...	17.5	...	18.3	...	17.7	...	20.5	...	21.7	...	21.5	...	21.5	441.1	18.4	...	...
Proportion, Peak / Observatory,	...	1.45	...	1.44	...	1.52	...	1.51	...	1.47	...	1.50	...	1.48	...	1.42	...	1.36	...	1.18	...	1.08	...	1.00	...	1.00	...	0.93	...	0.93	...	0.95	...	0.97	...	1.22	...	1.38	...	1.35	...	1.47	..	1.58	...	1.47	...	1.45	...	...	...	1.29

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF FEBRUARY, 1896.

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.		Vel.		Dir.	Proportion. Peak Ob'tory.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	
Feb. 1, ...	7	31	7	27	6	35	5	25	3	9	5	10	11	21	11	18	8	25	8	31	7	28	8	28	7	27	8	28	8	25	8	27	8	33	8	34	7	30	7	28	7	33	7	25	6	31	8	26	635	26.5	7	1.19
" 2, ...	6	23	7	20	7	14	6	10	5	10	5	10	6	11	6	15	5	11	6	12	5	8	3	10	8	10	7	8	5	7	8	9	8	11	8	13	9	20	7	22	7	24	7	25	7	21	5	17	341	14.2	7	1.44
" 3, ...	8	23	8	20	9	20	9	24	9	25	8	41	7	52	8	53	4	41	7	34	7	29	8	21	7	20	7	24	7	16	6	9	4	9	3	9	3	10	3	11	1	10	1	12	1	12	30	15	540	22.5	7	1.53
" 4, ...	3	13	1	13	30	15	1	12	1	16	3	14	3	13	32	14	6	12	29	11	32	15	4	17	3	13	3	12	2	11	1	14	1	13	3	16	3	10	5	21	4	19	5	20	5	17	5	17	348	14.5	3	2.83
" 5, ...	6	11	8	23	7	22	8	25	7	30	7	32	7	30	7	28	6	25	7	25	8	33	7	25	7	29	8	28	7	25	6	24	7	14	7	17	31	12	31	11	5	14	6	18	7	20	5	17	538	22.4	7	1.85
" 6, ...	6	16	6	22	6	26	7	22	7	25	7	27	7	25	7	30	7	25	7	27	7	28	7	28	8	30	8	29	8	31	8	25	9	34	9	30	9	30	8	31	9	36	10	30	9	36	10	26	669	27.9	8	1.52
" 7, ...	9	34	9	30	10	20	9	31	10	27	10	38	11	43	11	42	12	37	12	38	12	32	12	30	12	29	12	34	12	26	12	26	11	19	10	25	10	20	10	19	9	25	10	23	10	23	11	26	697	29.0	11	1.04
" 8, ...	11	24	12	21	9	23	9	20	10	27	10	25	11	36	11	40	11	33	11	26	11	37	12	26	12	33	13	42	13	33	14	24	14	15	13	16	14	17	14	13	14	11	15	9	15	10	13	5	566	23.6	12	0.97
" 9, ...	15	10	14	7	9	13	9	14	10	13	26	15	26	18	27	14	1	10	3	13	4	11	29	13	30	12	1	11	31	16	28	22	32	21	31	27	31	22	31	20	4	12	6	15	3	15	1	13	357	14.9	32	2.47
" 10, ...	1	19	2	14	1	15	1	15	3	13	4	13	4	15	4	16	5	20	7	16	5	15	6	17	5	15	5	17	6	17	5	14	6	16	7	21	6	17	7	18	7	27	8	25	7	26	8	25	426	17.7	5	1.88
" 11, ...	7	32	7	34	7	25	7	23	7	24	8	26	7	27	8	25	8	24	8	23	7	23	7	27	6	23	5	12	31	16	31	16	30	15	3	13	1	11	3	14	4	18	6	19	6	19	4	13	502	20.9	6	1.71
" 12, ...	4	15	2	12	1	16	2	16	5	16	5	20	7	23	7	19	6	20	5	24	7	32	7	27	7	25	7	18	4	12	5	18	5	17	3	18	3	15	4	16	6	19	3	17	3	17	3	20	452	18.8	5	2.69
" 13, ...	4	21	3	27	5	33	2	26	3	28	3	26	7	32	6	36	5	35	7	26	7	29	6	26	6	21	5	17	4	16	1	21	1	22	2	20	2	20	2	31	2	27	4	22	4	23	5	25	610	25.4	4	2.06
" 14, ...	5	22	4	26	7	29	5	25	7	35	5	31	7	25	6	27	2	18	1	15	1	16	3	25	1	24	3	25	3	27	3	32	4	28	4	23	4	23	4	24	1	22	1	22	2	24	1	31	599	25.0	4	2.10
" 15, ...	32	27	2	25	3	23	4	30	1	23	2	26	2	20	3	22	3	19	2	20	3	20	4	20	4	22	5	18	3	12	1	18	2	22	3	21	2	18	4	18	5	20	6	23	7	20	3	20	507	21.1	3	1.87
" 16, ...	3	20	4	23	2	18	3	22	2	21	3	24	6	28	6	26	5	25	7	24	6	20	5	14	3	9	29	7	3	9	4	14	5	16	4	22	5	19	5	16	4	15	6	20	7	27	7	28	467	19.5	5	2.44
" 17, ...	7	32	7	30	7	30	8	26	8	24	7	24	7	24	8	20	7	16	7	10	30	12	29	16	2	13	30	14	31	12	5	10	32	17	4	14	27	12	1	13	1	12	4	10	3	14	3	13	418	17.4	5	2.36
" 18, ...	2	11	32	9	1	8	5	8	5	10	29	11	28	8	1	7	29	7	30	13	28	15	28	12	28	11	28	12	27	22	27	29	31	21	29	21	31	25	1	16	3	13	3	15	30	10	30	11	325	13.5	30	1.81
" 19, ...	32	11	3	12	4	14	30	15	32	16	4	15	3	19	3	15	2	11	2	7	4	10	2	8	6	7	6	6	7	3	7	3	4	9	2	18	1	20	2	23	2	22	8	18	7	24	7	23	332	13.8	3	1.65
" 20, ...	3	19	6	17	4	14	7	17	6	17	6	19	6	20	6	20	5	20	4	20	6	24	7	20	7	16	1	16	1	16	1	20	2	23	2	24	2	30	3	28	3	22	2	22	4	17	7	18	479	20.0	4	1.88
" 21, ...	7	22	7	20	8	21	7	27	7	21	7	32	7	35	8	32	7	43	7	39	7	39	7	39	7	34	7	35	7	35	7	30	6	35	4	26	6	37	7	38	8	43	8	46	8	32	7	34	795	33.1	7	1.28
" 22, ...	7	32	7	32	6	32	2	18	3	18	4	26	2	20	2	17	1	16	2	17	18	7	25	7	21	2	18	2	24	4	24	2	11	8	27	4	27	6	11	19	9	26	9	27	10	20	12	11	373	15.5	6	1.67
" 23, ...	12	18	8	22	10	31	10	21	9	11	9	12	...	1	11	6	32	3	...	0	30	4	25	3	24	7	27	6	23	4	23	4	...	1	22	4	23	3	15	3	13	5	3	4	...	1	8	10	184	7.7	10	1.34
" 24, ...	8	15	11	15	7	3	30	7	24	8	...	1	...	1	...	1	26	5	10	5	10	5	10	3	24	5	28	5	30	6	27	6	23	4	23	6	19	10	19	16	20	12	23	11	21	9	21	10	169	7.0	21	2.01
" 25, ...	23	6	23	4	27	3	27	2	17	5	18	7	10	7	10	7	16	6	14	3	15	4	14	9	16	11	16	13	14	14	12	12	12	13	13	18	13	16	12	15	13	25	12	22	12	25	12	22	269	11.2	13	0.81
" 26, ...	11	17	11	18	11	20	11	19	10	19	9	22	9	26	9	25	9	21	10	19	10	27	11	22	10	25	11	26	10	31	11	39	11	40	10	39	11	46	11	35	11	32	10	35	11	40	10	41	684	28.5	10	1.09
" 27, ...	11	36	10	45	10	37	9	32	9	31	10	29	9	32	10	32	10	35	9	33	9	31	10	34	11	30	10	35	10	31	10	33	10	36	9	28	10	30	10	32	10	27	9	29	9	32	10	29	779	32.5	10	1.10
" 28, ...	12	29	12	29	12	32	11	27	10	22	10	19	12	26	12	23	12	17	12	8	6	6	2	7	8	8	4	7	4	8	3	9	3	12	3	12	3	10	3	14	6	13	7	20	7	20	7	24	402	16.7	9	1.20
" 29, ...	8	30	8	30	8	26	7	25	7	25	7	25	7	33	6	33	7	26	8	27	8	22	8	31	8	29	9	32	9	25	9	33	8	31	8	27	8	35	8	36	9	34	9	35	8	39	9	38	727	30.3	8	1.24
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums, ...	...	622	...	627	...	618	...	584	...	569	...	620	...	671	...	663	...	606	...	566	...	582	...	565	...	540	...	539	...	510	...	543	...	555	...	566	...	574	...	601	...	618	...	619	...	624	...	608	14190	591.2	...	...
Means, ...	...	21.4	...	21.6	...	21.3	...	20.1	...	19.6	...	21.4	...	23.1	...	22.9	...	20.9	...	19.5	...	20.1	...	19.5	...	18.6	...	18.6	...	17.6	...	18.7	...	19.1	...	19.5	...	19.8	...	20.7	...	21.3	...	21.3	...	21.5	...	21.0	489.3	20.4	...	...
Proportion, Peak / Observatory,	...	1.52	...	1.67	...	1.51	...	1.56	...	1.45	...	1.41	...	1.52	...	1.40	...	1.41	...	1.37	...	1.38	...	1.45	...	1.39	...	1.44	...	1.29	...	1.46	...	1.54	...	1.60	...	1.53	...	1.56	...	1.19	..	1.57	...	1.55	...	1.59	...	...	...	1.48

22nd 10 *a.*—24 h 4.30 p. no record, clock out of order. 22nd 11 *a.*—24th 4 p. inclusive, values entered are from Observatory record reduced to Peak.

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF MARCH, 1896.

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.		Vel.		Dir.	Proportion. Peak / Ob'tory.
	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	
Mar. 1.	9	32	8	32	8	32	9	30	8	28	8	26	8	26	8	25	9	25	9	20	9	22	9	21	10	21	9	20	8	20	8	21	8	20	9	21	9	17	8	17	9	27	8	23	7	23	8	26	575	24.0	8	1.16
.. 2.	8	28	8	30	9	31	8	33	8	25	8	28	9	35	9	40	10	33	9	24	10	25	11	20	11	16	12	11	15	8	17	6	16	9	18	6	21	6	26	3	24	5	24	5	27	10	28	14	451	18.8	9	0.93
.. 3.	28	20	28	10	28	7	29	14	29	11	32	9	5	7	30	9	2	4	6	4	5	8	2	12	3	12	4	10	5	4	32	4	31	10	30	10	30	13	30	12	3	15	6	23	7	36	8	55	319	13.3	3	1.71
.. 4.	8	51	8	54	8	56	10	52	8	54	8	55	9	64	9	50	8	39	7	40	7	36	7	30	6	24	4	22	2	23	3	20	5	19	7	26	7	28	7	27	7	26	8	27	7	36	7	30	889	37.0	7	1.44
.. 5.	7	31	7	34	7	30	7	27	7	27	7	22	8	24	8	27	7	25	6	25	6	22	7	25	7	26	7	31	6	24	6	24	6	24	7	23	7	24	7	34	7	33	7	37	7	41	6	36	676	28.2	7	1.25
.. 6.	7	34	7	37	7	37	6	30	6	27	7	22	7	22	7	30	6	27	7	22	6	20	7	18	7	19	6	20	7	22	7	19	7	19	7	25	7	23	7	28	7	25	7	24	7	31	7	28	609	25.4	7	1.27
.. 7.	7	33	7	38	7	28	7	25	7	25	7	25	6	15	7	10	5	13	6	9	5	7	4	6	27	13	28	15	31	11	4	9	1	10	1	8	5	10	3	12	6	13	3	15	7	18	31	15	383	16.0	5	1.68
.. 8.	3	10	3	11	32	12	2	14	5	14	5	21	6	20	7	17	7	17	8	11	8	9	8	15	8	17	7	16	7	19	7	23	7	20	8	27	7	21	8	28	7	24	8	33	9	28	8	36	463	19.3	7	1.57
.. 9.	8	36	8	38	9	35	8	36	8	37	7	30	8	31	9	25	10	30	9	19	8	24	9	29	12	26	10	21	9	20	9	14	9	20	9	25	9	25	7	29	9	27	9	22	9	22	8	26	647	27.0	9	1.05
.. 10.	9	24	6	24	9	23	5	20	9	16	5	19	9	22	10	20	9	19	13	16	8	12	3	7	9	13	8	14	10	16	5	13	6	11	6	15	8	22	8	20	8	20	8	22	9	20	9	23	431	18.0	8	2.07
.. 11.	9	20	10	19	10	22	11	25	11	24	9	30	9	38	9	31	9	36	10	29	11	36	10	30	11	27	9	20	11	24	11	28	12	18	6	17	9	16	12	25	13	15	10	18	9	15	8	20	583	24.3	10	1.09
.. 12.	9	20	10	22	10	25	11	24	12	19	12	15	6	10	27	27	28	20	1	14	31	15	3	13	2	10	4	8	2	13	5	9	6	10	2	11	3	16	4	21	6	17	7	19	7	20	7	21	399	16.6	6	1.95
.. 13.	6	27	7	21	7	28	6	25	7	21	7	25	8	32	8	34	8	35	8	42	8	38	8	39	8	43	8	43	8	41	9	42	9	44	9	46	8	43	9	44	9	45	9	42	9	45	9	43	888	37.0	8	1.30
.. 14.	9	31	9	30	11	43	12	47	12	48	12	47	12	45	12	46	12	29	13	27	13	27	13	25	13	28	14	23	14	23	15	19	14	22	14	19	15	20	14	30	13	18	13	18	13	22	13	18	705	29.4	12	1.10
.. 15.	14	21	13	22	13	18	13	23	13	23	12	30	13	30	13	26	12	32	13	29	13	30	13	29	13	33	14	38	13	30	14	33	13	26	13	21	13	23	13	26	13	26	13	32	13	29	13	30	660	27.5	13	1.09
.. 16.	13	34	14	28	13	28	13	45	13	41	13	44	13	45	13	33	14	32	14	26	14	32	14	32	14	25	14	23	15	20	15	18	16	20	15	16	14	24	14	15	15	17	15	18	15	22	14	26	664	27.7	14	1.00
.. 17.	14	20	15	21	15	22	16	14	16	15	14	16	16	16	16	13	17	15	17	11	18	7	17	8	18	12	17	16	16	16	16	15	16	10	17	15	14	19	14	24	14	24	14	26	14	27	14	31	413	17.2	15	1.11
.. 18.	14	29	14	31	14	38	14	33	14	36	14	36	14	31	13	35	13	29	13	26	13	28	13	29	13	40	13	25	13	24	13	36	12	39	12	41	12	41	12	49	12	31	13	27	14	33	14	31	798	33.2	13	1.51
.. 19.	14	28	14	29	14	27	13	28	14	22	14	23	15	18	16	18	16	12	14	15	14	15	14	20	14	25	14	28	14	29	14	30	14	25	15	23	14	27	14	23	14	25	14	23	14	26	14	23	562	23.4	14	1.32
.. 20.	15	31	15	31	14	24	15	31	14	24	13	23	9	24	9	38	8	55	7	40	8	44	7	37	6	26	2	23	2	24	3	31	3	37	1	30	1	35	1	31	2	30	2	32	32	33	2	29	763	31.8	6	1.65
.. 21.	22	32	32	35	1	33	1	32	3	31	2	29	2	27	32	21	3	20	2	21	4	18	1	17	3	19	3	19	1	19	1	20	2	20	3	19	3	15	3	18	4	21	5	25	6	28	7	33	572	23.8	2	1.77
.. 22.	5	28	3	21	4	22	3	20	3	20	6	30	6	28	6	28	6	21	6	18	6	19	7	18	7	15	6	12	3	9	2	10	3	10	6	10	7	13	7	17	7	20	7	27	7	24	6	22	462	19.3	6	2.43
.. 23.	4	14	1	14	32	11	2	9	2	12	2	12	3	14	2	12	7	15	8	16	5	12	7	10	7	8	5	6	4	5	4	7	4	10	5	12	6	12	6	9	6	13	7	19	7	20	7	20	292	12.2	5	1.92
.. 24.	7	16	7	23	7	18	7	15	7	19	7	18	7	15	7	16	6	15	7	14	8	10	4	7	5	7	27	8	27	18	30	18	30	14	1	10	3	12	4	15	5	16	6	18	6	17	7	17	356	14.8	5	1.79
.. 25.	7	19	7	24	8	26	7	31	7	30	8	30	8	40	7	26	7	32	8	24	7	28	8	29	8	34	8	32	8	40	8	27	8	42	8	36	8	41	7	45	7	45	7	41	8	38	9	36	796	33.2	8	1.42
.. 26.	8	33	8	29	8	30	8	30	8	26	9	27	8	25	9	27	9	20	9	16	9	9	9	6	9	6	11	8	9	7	9	6	8	7	8	6	8	9	7	12	7	14	9	13	9	9	9	4	379	15.8	8	1.16
.. 27.	9	6	9	3	9	5	10	9	11	6	...	0	2	3	8	7	9	7	14	3	11	9	7	7	18	8	11	6	12	6	16	4	18	2	...	0	...	0	12	7	12	8	10	15	8	17	9	13	151	6.3	10	0.49
.. 28.	8	19	8	16	8	15	8	17	8	19	9	14	8	13	8	12	9	10	9	8	9	5	10	8	11	3	8	4	11	3	9	4	9	5	8	10	8	9	9	12	10	14	11	16	11	20	11	13	269	11.2	9	0.71
.. 29.	11	13	11	13	9	15	9	24	9	31	9	28	8	24	9	24	9	21	9	17	9	18	10	23	10	23	10	26	9	27	9	28	10	20	10	30	10	23	11	23	12	27	11	24	11	24	12	25	551	23.0	10	1.27
.. 30.	12	20	12	13	11	20	12	18	11	20	11	18	11	21	11	23	12	17	11	11	9	9	9	8	9	10	12	6	12	9	13	7	13	13	12	14	12	17	12	16	12	11	13	8	14	14	15	14	337	14.0	12	1.05
.. 31.	16	12	16	13	17	12	16	18	15	15	14	13	13	22	13	12	14	10	13	10	14	10	17	12	14	10	14	7	13	9	13	14	13	18	12	13	14	15	13	18	13	14	14	11	15	14	13	11	313	13.0	14	0.89
Sums.....	...	772	...	766	...	773	...	799	...	766	...	765	..	787	...	762	...	715	...	607	...	604	...	590	...	599	...	561	...	563	..	559	...	574	...	585	...	619	...	690	...	666	...	703	...	762	...	769	16356	681.5	...	...
Means, ...	...	24.9	...	24.7	...	24.9	...	25.8	...	24.7	...	24.7	...	25.4	...	24.6	...	23.1	...	19.6	...	19.5	...	19.0	...	19.3	...	18.1	...	18.2	...	18.0	...	8.5	...	18.9	...	20.0	...	22.3	...	21.5	...	22.7	...	24.6	...	24.8	527.6	22.0	...	...
Proportion, Peak. / Observatory.	...	1.34	...	1.36	...	1.30	...	1.45	...	1.41	...	1.43	...	1.44	...	1.37	...	1.34	...	1.14	...	1.21	...	1.09	...	1.09	...	1.02	...	1.05	...	1.10	...	1.18	...	1.26	...	1.31	...	1.33	..	1.24	...	1.40	...	1.42	...	1.34	...	...	...	1.28

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF APRIL, 1896.

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.		Vel.		Dir.	Proportion.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	Peak Ob'tory.
April 1.	13	12	14	11	14	10	11	13	10	10	10	16	10	18	10	16	9	21	9	21	9	16	9	13	9	21	10	19	7	23	8	25	8	29	8	28	8	26	8	27	9	28	8	28	7	34	8	29	494	20.6	9	0.82
.. 2.	8	27	8	28	8	26	8	29	8	27	8	26	8	26	8	32	8	26	8	31	9	33	8	29	7	32	7	30	9	24	9	18	9	18	9	19	8	24	8	26	8	35	8	31	8	29	9	32	658	27.4	8	1.07
.. 3.	8	34	8	32	8	33	8	24	8	29	8	29	9	24	8	24	9	23	8	15	10	15	11	18	10	18	10	13	12	15	10	12	10	9	9	11	9	15	8	14	8	16	9	17	8	18	8	24	482	20.1	9	0.80
.. 4.	8	22	8	19	8	23	8	17	9	24	11	24	11	21	9	20	10	22	11	20	11	13	9	14	10	16	14	3	...	0	...	0	9	12	9	15	9	20	9	19	9	22	9	16	10	15	10	17	394	16.4	9	0.86
.. 5.	8	20	9	21	8	23	9	26	8	32	9	30	10	28	10	29	10	26	9	19	11	23	12	25	12	25	11	15	11	16	12	19	12	20	11	20	9	17	10	15	10	16	12	20	11	14	10	12	511	21.3	10	0.98
.. 6.	11	17	11	14	11	21	11	19	12	16	12	17	11	19	11	18	12	19	13	18	13	16	13	18	13	15	15	19	15	18	15	19	15	20	16	17	15	19	16	18	17	17	17	16	18	17	16	15	422	17.6	14	1.00
.. 7.	18	12	20	9	20	13	20	12	22	6	19	8	22	13	19	12	20	16	22	5	19	10	18	9	17	7	18	12	18	10	16	12	17	10	21	29	18	10	16	9	20	8	19	9	17	8	17	9	228	9.5	19	3.00
.. 8.	16	6	16	7	17	9	17	10	17	10	16	8	16	7	16	10	15	8	16	11	16	10	16	12	16	13	16	13	16	11	17	16	17	15	15	16	15	22	15	15	15	19	16	14	15	21	15	24	307	12.8	16	1.36
.. 9.	16	21	15	18	16	17	16	16	17	17	17	18	16	16	17	20	17	28	16	24	16	24	17	32	18	35	17	38	17	37	18	38	16	28	16	35	16	40	16	38	16	27	16	28	16	25	15	25	645	26.9	16	2.55
.. 10.	16	25	16	27	15	20	16	19	16	18	15	15	16	15	16	23	17	25	16	26	16	23	16	27	16	47	15	41	15	33	16	34	15	34	15	30	14	42	15	30	16	30	15	42	13	38	12	30	694	28.9	15	3.29
.. 11.	12	32	12	34	11	40	13	42	13	40	14	40	14	48	14	50	14	45	14	29	14	36	14	37	13	34	14	37	12	43	12	40	8	33	13	40	12	41	13	36	13	36	12	37	12	32	13	46	928	38.7	13	2.08
.. 12.	13	46	13	36	14	42	13	48	13	49	14	46	14	55	15	58	16	40	16	44	16	45	16	47	16	47	18	44	16	43	16	47	16	41	16	39	17	40	17	43	17	37	18	42	17	45	17	46	1070	44.6	16	2.98
.. 13.	17	39	16	50	16	40	16	44	16	45	16	55	16	45	16	44	16	40	16	34	15	36	15	39	16	34	17	32	17	39	17	40	18	30	18	34	18	38	17	30	18	35	17	26	17	23	17	25	897	37.4	16	3.78
.. 14.	17	25	17	21	16	26	16	15	16	22	17	21	18	22	18	26	16	21	16	26	17	20	17	21	17	18	18	18	17	23	17	32	17	23	16	33	17	26	17	28	17	30	17	28	16	33	18	30	588	24.5	17	4.00
.. 15.	17	36	16	38	15	35	15	30	15	43	14	42	14	31	14	43	15	40	14	40	14	36	14	39	14	36	14	41	14	37	14	40	14	36	14	36	14	40	14	35	14	38	14	37	14	30	13	33	892	37.2	14	2.16
.. 16.	13	38	13	33	12	41	11	41	10	29	10	30	10	32	10	28	9	32	10	24	11	22	12	32	12	23	12	30	11	33	12	44	12	35	13	40	12	32	12	35	12	28	12	24	12	26	11	24	756	31.5	11	1.38
.. 17.	11	35	10	27	10	33	10	25	10	31	10	31	10	27	10	31	10	30	10	26	10	27	10	30	11	32	11	36	11	30	11	26	11	35	11	43	11	43	10	36	11	38	10	38	11	32	10	34	776	32.3	10	1.33
.. 18.	11	30	12	32	11	27	11	30	10	30	10	25	10	29	11	20	12	32	12	29	12	35	12	33	11	36	13	21	13	22	12	21	12	27	12	29	11	26	11	25	10	24	11	23	10	24	9	23	653	27.2	11	1.41
.. 19.	10	16	9	18	9	22	9	20	9	25	9	20	9	26	9	22	9	25	9	25	9	25	9	24	9	24	10	21	10	14	11	19	11	17	12	21	12	22	11	18	10	17	9	16	9	20	9	24	501	20.9	10	1.29
.. 20.	9	16	9	20	10	21	8	24	9	20	9	18	9	27	9	23	9	28	9	27	9	24	9	27	9	27	9	24	10	18	10	16	9	20	9	17	9	15	9	12	10	14	10	13	9	14	10	13	478	19.9	9	1.32
.. 21.	10	11	10	11	9	15	9	17	9	17	8	16	8	20	8	16	9	15	9	11	8	11	8	9	8	9	8	7	8	7	8	7	8	6	8	10	8	7	5	6	9	8	10	10	10	15	11	17	278	11.6	9	0.89
.. 22.	11	18	11	19	11	17	12	22	10	19	8	17	8	25	8	22	7	22	7	22	7	17	7	18	8	17	8	14	8	13	8	13	8	14	9	21	9	24	9	17	9	21	9	25	9	33	8	31	481	20.0	9	1.23
.. 23.	9	30	8	29	8	24	7	24	8	27	8	35	8	39	8	40	8	36	7	29	7	25	7	25	7	20	8	21	8	20	9	27	9	18	9	20	10	23	10	18	9	25	10	27	10	28	9	24	634	26.4	8	1.16
.. 24.	9	27	8	25	10	24	9	27	8	32	9	25	8	22	8	18	7	13	9	12	9	7	7	9	9	8	8	6	8	7	8	9	8	12	10	18	11	18	11	16	11	20	13	26	12	20	12	21	422	17.6	9	1.17
.. 25.	11	16	11	20	12	21	12	20	12	19	12	18	9	17	9	16	9	16	9	13	8	12	6	10	9	8	7	8	9	7	10	6	9	7	10	8	10	15	10	11	11	20	11	26	11	25	10	23	362	15.1	10	1.24
.. 26.	9	20	9	20	9	25	9	27	8	30	8	27	8	28	8	27	8	34	8	37	9	36	9	32	8	31	9	32	9	35	9	30	9	33	9	31	9	28	9	37	9	34	9	38	9	39	9	35	746	31.1	9	1.19
.. 27.	9	33	9	40	9	28	9	30	9	31	9	30	8	31	8	36	9	36	8	37	8	32	8	33	8	25	8	30	8	23	9	34	9	28	9	32	9	34	9	27	9	28	9	35	9	29	9	32	754	31.4	9	1.14
.. 28.	9	30	9	28	8	29	8	25	8	25	8	25	9	28	9	26	7	25	9	28	9	21	10	25	9	21	9	23	9	21	9	24	9	23	10	26	10	23	9	27	9	25	9	27	9	23	9	25	603	25.1	9	1.31
.. 29.	9	21	9	23	8	24	9	23	10	25	8	29	8	19	7	15	8	19	7	21	8	21	7	24	8	26	8	23	9	15	10	16	10	12	9	15	9	21	10	18	9	21	10	18	9	18	9	17	484	20.2	9	1.47
.. 30.	9	21	9	21	9	22	8	25	8	22	8	22	9	18	8	12	9	10	8	19	9	15	9	12	9	10	9	9	9	8	9	12	10	13	10	15	9	20	9	21	10	16	10	18	9	20	10	18	399	16.6	9	1.31
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	...	736	...	731	...	751	...	744	...	770	...	763	..	7 9	...	777	...	763	...	723	...	686	...	723	...	715	...	680	...	645	..	696	...	658	...	728	...	771	...	707	...	733	...	755	...	748	...	758	17537	730.7	...	...
Means.	...	24.5	...	24.4	...	25.0	...	24.8	...	25.7	...	25.4	...	25.9	...	25.9	...	25.4	...	24.1	...	22.9	...	24.1	...	23.8	...	22.7	...	21.5	...	23.2	...	21.9	...	24.3	...	25.7	...	23.6	...	24.4	...	25.2	...	24.9	...	25.3	584.6	24.4	...	...
Proportion, Peak. / Observatory.	...	1.58	...	1.57	...	1.55	...	1.54	...	1.51	...	1.52	...	1.49	...	1.40	...	1.31	...	1.31	...	1.22	...	1.25	...	1.26	...	1.26	...	1.20	...	1.33	...	1.35	...	1.49	...	1.58	...	1.57	..	1.62	...	1.60	...	1.54	...	1.65	...	...	...	1.44

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF MAY, 1896.

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.		Vel.		Dir.	Proportion. Peak Ob'tory.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	
May 1,	10	22	9	21	9	23	8	27	8	29	8	29	8	34	9	30	7	33	8	34	8	34	8	32	8	30	9	33	8	27	8	33	9	30	9	30	9	36	9	35	9	41	10	44	9	44	9	45	776	32.3	9	1.28
" 2.	9	37	9	34	9	36	9	38	8	38	9	44	9	45	9	35	9	34	9	38	9	33	8	24	9	27	9	23	9	22	9	24	9	20	10	20	10	23	9	26	9	24	9	26	9	30	9	33	734	30.6	9	1.39
" 3.	7	23	9	20	9	20	10	16	10	18	11	17	11	17	11	16	9	14	9	14	9	11	10	10	13	5	11	5	11	2	11	5	16	2	16	2	16	7	16	7	14	3	14	2	7	6	5	9	251	10.5	10	0.73
" 4.	4	9	5	9	6	10	6	12	6	12	7	14	7	28	7	31	7	37	7	36	7	37	7	34	7	36	8	34	8	35	8	35	9	37	8	38	9	38	8	36	8	38	8	41	8	42	9	55	734	30.6	8	1.24
" 5.	8	45	8	45	9	36	9	37	9	37	9	36	9	37	9	32	8	34	9	31	9	34	8	31	8	28	9	26	9	26	9	24	9	29	9	26	9	19	9	19	9	19	9	24	9	29	9	27	731	30.5	9	1.22
" 6.	9	21	10	19	10	14	10	18	10	19	11	17	11	19	12	16	11	13	10	15	13	10	15	12	16	11	17	6	22	6	3	34	2	38	3	34	2	33	4	41	3	41	3	28	4	26	3	25	516	21.5	6	1.29
" 7.	3	25	4	19	3	21	3	22	3	23	3	26	3	27	2	27	3	20	4	18	5	16	6	16	8	11	7	14	9	19	8	23	8	21	7	21	7	20	9	18	8	21	8	22	9	25	8	22	497	20.7	5	1.38
" 8.	7	27	7	28	8	25	8	27	8	29	7	28	9	18	9	24	8	23	8	25	8	21	8	24	8	27	9	20	8	20	9	22	8	23	9	22	9	23	9	23	8	25	8	23	9	28	9	30	585	24.4	8	1.16
" 9.	10	26	9	27	10	30	10	30	9	26	9	28	8	35	9	26	8	27	9	22	10	13	11	11	11	11	9	12	10	15	10	14	10	11	10	16	9	26	10	26	9	26	9	33	10	35	9	30	556	23.2	9	1.19
" 10.	9	27	9	22	9	25	8	23	9	22	8	19	8	21	7	26	7	22	7	26	7	19	9	19	8	18	8	19	7	19	8	21	7	18	7	14	7	18	8	23	8	26	8	26	8	25	8	24	522	21.8	8	1.56
" 11.	9	25	9	25	8	25	9	25	9	29	8	27	9	23	8	22	8	16	8	18	8	13	8	13	8	10	8	11	8	7	9	8	8	8	4	9	3	13	3	17	4	20	5	15	7	18	8	25	422	17.6	8	1.81
" 12.	8	30	9	31	8	29	7	36	7	34	7	29	8	29	7	30	5	21	6	22	7	22	6	20	6	18	5	12	4	8	2	5	3	12	5	13	7	16	8	29	7	27	8	28	7	29	7	37	567	23.6	7	1.21
" 13.	8	39	9	38	7	26	7	25	8	28	7	31	8	26	7	32	8	33	7	36	6	34	6	32	7	22	7	20	9	21	6	29	7	29	7	37	7	37	7	37	8	42	7	39	7	38	7	30	761	31.7	7	1.29
" 14.	8	39	7	34	7	26	7	28	8	24	8	21	8	25	8	29	8	23	8	23	7	24	6	31	6	27	8	18	7	12	8	10	9	17	8	22	7	20	6	23	6	17	7	17	5	19	3	20	549	22.9	7	1.12
" 15.	5	17	2	19	2	16	4	16	3	16	1	21	2	20	4	12	4	12	2	11	1	7	32	8	30	9	30	8	30	7	6	5	29	5	3	7	5	13	2	19	3	21	2	27	3	31	3	22	349	14.5	2	1.26
" 16.	2	22	7	17	6	22	2	31	3	19	2	27	3	19	5	14	2	13	2	14	1	7	5	8	31	9	1	9	31	8	31	6	32	7	30	9	1	14	5	13	7	17	7	17	7	18	5	19	359	15.0	3	1.17
" 17.	4	17	2	22	1	34	1	34	2	29	1	22	1	20	2	20	1	19	1	17	2	8	26	4	26	8	25	10	23	10	24	16	25	20	26	28	26	28	26	22	26	21	26	19	26	16	26	12	456	19.0	30	2.85
" 18.	21	11	20	8	23	7	27	9	28	11	28	9	28	7	28	4	28	2	1	6	32	4	13	6	18	11	19	5	22	10	23	14	23	14	21	16	21	15	20	16	18	19	18	18	18	22	19	22	266	11.1	21	2.38
" 19.	20	20	20	25	21	23	20	17	19	10	19	4	18	8	17	8	17	8	20	6	15	5	17	8	19	8	16	6	18	7	20	5	19	4	17	8	16	19	16	19	17	20	16	19	16	17	17	17	291	12.1	18	1.33
" 20.	16	19	16	17	17	13	17	16	16	15	16	11	15	7	13	5	12	4	16	5	5	3	16	4	31	3	16	3	15	4	15	6	14	2	14	2	14	3	14	6	15	8	15	10	14	13	16	11	190	7.9	17	1.26
" 21.	17	11	17	10	15	8	13	10	9	12	10	18	10	16	10	12	10	15	9	12	10	15	9	13	9	9	7	10	9	8	10	8	10	11	10	9	10	11	12	14	11	16	11	17	10	17	11	15	297	12.4	11	0.87
" 22.	12	11	13	10	12	14	9	9	10	13	13	15	13	14	13	12	14	10	14	13	15	16	14	21	14	19	13	21	14	24	14	25	13	26	13	30	14	30	13	30	14	33	14	28	14	36	15	44	504	21.0	13	1.26
" 23.	15	47	15	49	15	51	15	55	18	52	18	47	18	50	18	52	18	50	18	54	18	58	16	59	15	51	16	50	16	52	17	54	16	49	16	49	16	48	16	47	17	43	17	35	18	32	18	32	1166	48.6	17	2.06
" 24.	17	36	18	33	17	36	17	45	17	42	17	38	17	39	18	37	17	43	17	43	18	46	17	45	18	37	17	38	18	31	18	40	18	38	17	33	18	36	16	34	18	42	19	38	18	47	19	37	934	38.9	18	1.57
" 25.	19	31	22	22	20	21	19	19	17	20	19	16	21	12	20	7	19	6	25	5	21	8	13	3	19	7	18	12	23	7	19	8	18	9	18	10	15	12	14	14	14	16	14	20	14	19	15	20	324	13.5	18	1.23
" 26.	17	21	17	22	16	25	17	22	17	23	18	25	17	26	17	26	17	28	17	28	17	21	18	22	17	24	17	26	16	27	16	24	17	29	16	28	17	29	17	26	17	29	18	26	18	26	17	26	609	25.4	17	2.51
" 27.	17	28	17	26	17	25	17	24	17	28	18	27	17	24	17	26	18	28	17	17	16	23	17	22	16	29	16	31	16	28	17	26	17	28	16	27	16	23	16	23	16	23	17	22	17	23	16	22	603	25.1	17	2.08
" 28.	16	25	16	23	16	26	16	24	17	24	17	25	17	25	16	24	16	26	16	27	16	28	16	29	19	28	18	26	17	24	18	25	17	25	17	27	17	33	17	30	16	27	17	19	17	24	17	33	627	26.1	17	2.97
" 29.	17	33	17	33	18	26	19	29	18	27	18	19	17	21	17	22	17	26	17	25	18	26	18	32	19	31	19	32	18	29	18	32	18	33	17	31	17	40	18	41	17	44	18	39	17	28	17	24	723	30.1	18	2.47
" 30.	17	23	18	28	17	25	17	22	17	27	18	21	18	19	17	15	18	16	18	17	19	20	18	23	19	27	18	26	18	27	18	21	17	26	17	20	17	21	16	21	16	20	16	22	17	26	16	28	541	22.5	17	3.05
" 31.	17	23	17	29	17	30	18	24	19	28	18	26	18	20	19	21	19	18	18	20	18	16	18	19	18	20	18	23	17	22	17	23	17	25	17	25	17	29	17	26	17	25	16	26	18	24	18	26	568	23.7	18	2.69
Sums,	...	790	...	765	...	748	...	770	...	764	...	737	...	731	...	693	...	674	...	678	...	632	...	635	...	611	...	589	...	564	...	625	...	646	...	663	...	733	...	761	...	794	...	770	...	813	...	822	17008	708.7	...	...
Means,	...	25.5	...	24.7	...	24.1	...	24.8	...	24.6	...	23.8	...	23.6	...	22.4	...	21.7	...	21.9	...	20.4	...	20.5	...	19.7	...	19.0	...	18.2	...	20.2	...	20.8	...	21.4	...	23.6	...	24.5	...	25.6	...	24.8	...	26.2	...	26.5	548.6	22.9	...	...
Proportion, Peak Observatory,	...	1.92	...	1.87	...	1.84	...	1.91	...	1.96	...	1.91	...	1.75	...	1.53	...	1.39	...	1.36	...	1.15	...	1.21	...	1.14	...	1.07	...	0.99	...	1.14	...	1.21	...	1.34	...	1.44	...	1.58	...	1.62	...	1.76	...	1.85	...	1.98	...	...	...	1.50

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF JUNE, 1896.

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.		Vel.		Dir.	Proportion. Peak Ob'tory.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	
June 1, ...	18	25	19	33	18	30	19	29	19	29	20	26	21	18	20	19	19	20	19	19	19	13	19	17	19	23	18	21	19	24	19	23	19	23	18	35	17	28	17	30	18	30	19	27	18	24	19	24	590	24.6	19	3.01
" 2, ...	20	25	21	24	19	23	18	20	19	21	20	18	18	15	18	15	20	16	16	15	16	20	16	23	16	23	21	20	23	14	23	13	22	20	18	13	17	14	16	11	14	10	16	12	16	5	13	8	398	16.6	19	2.38
" 3, ...	13	11	12	17	13	19	13	25	16	21	18	17	17	31	16	21	15	20	15	15	14	14	14	19	16	25	17	39	17	31	18	29	18	24	18	15	18	19	17	14	17	20	17	29	18	22	17	13	510	21.2	16	3.10
" 4, ...	13	22	13	27	14	22	17	22	18	20	19	21	21	22	20	17	22	9	19	4	18	12	16	22	16	19	16	12	16	26	17	20	16	16	16	13	14	10	14	10	13	10	13	12	14	18	13	19	405	16.9	16	3.09
" 5, ...	12	19	10	13	9	17	10	15	12	18	11	13	13	23	13	21	13	13	13	16	12	12	13	20	11	14	12	19	11	17	12	23	11	18	11	22	11	26	11	29	11	28	10	26	11	23	11	25	470	19.6	11	1.40
" 6, ...	11	28	10	20	9	13	10	12	9	12	7	12	9	13	10	12	10	10	10	11	10	16	10	16	10	16	11	22	10	12	10	10	10	11	10	15	10	12	11	16	11	24	11	27	11	23	10	15	378	15.8	10	0.91
" 7, ...	10	14	11	17	12	17	11	16	10	11	10	3	...	1	...	1	9	2	8	2	...	1	...	1	8	3	...	1	8	4	8	2	9	6	8	16	8	22	9	21	9	17	9	18	9	15	10	13	224	9.3	9	0.76
" 8, ...	10	10	10	8	10	5	...	1	...	1	...	1	...	1	6	2	...	0	...	1	...	0	...	0	...	0	...	1	19	2	19	3	...	1	...	1	17	15	17	23	16	7	...	1	...	1	17	13	98	4.1	15	0.66
" 9, ...	17	8	17	20	17	15	18	20	19	15	18	10	...	0	...	1	19	4	...	0	17	3	16	3	16	5	16	23	16	18	15	13	16	23	16	19	16	23	17	16	17	28	17	29	17	26	17	30	352	14.7	17	2.45
" 10, ...	17	34	17	35	17	47	17	39	20	46	21	41	21	27	19	35	22	9	21	6	24	10	16	10	16	17	17	6	15	20	17	21	16	25	15	21	15	33	17	22	16	22	16	20	17	24	18	18	588	24.5	18	2.70
" 11, ...	16	11	18	10	17	15	18	11	17	15	18	19	17	30	18	33	19	30	16	24	16	15	16	22	16	19	15	18	14	13	15	18	14	21	16	33	16	26	17	26	17	26	16	26	17	20	17	20	501	20.9	17	3.13
" 12, ...	16	20	17	16	17	15	16	12	17	12	13	11	12	14	13	7	13	6	11	9	13	7	13	7	13	12	13	14	14	15	13	22	13	20	14	21	18	15	17	10	10	5	11	12	9	12	9	10	304	12.7	14	1.42
" 13, ...	12	10	13	9	12	12	14	10	14	10	14	6	14	2	...	1	29	3	32	3	16	3	21	5	13	7	17	7	17	8	14	8	14	10	14	6	13	4	13	9	14	20	15	10	15	9	14	9	181	7.5	14	1.77
" 14, ...	15	13	16	10	17	8	17	9	16	15	17	16	17	11	17	9	18	9	17	8	17	7	18	10	18	15	17	15	18	18	17	19	16	20	17	21	17	16	17	17	17	11	18	11	18	14	17	14	316	13.2	17	3.33
" 15, ...	16	18	16	15	16	13	17	11	17	11	16	11	15	8	12	6	15	8	15	6	14	7	17	10	16	12	15	12	13	13	15	14	15	17	14	15	13	16	14	14	13	12	13	12	12	16	12	18	295	12.3	15	2.76
" 16, ...	11	17	11	17	13	20	12	18	11	18	11	21	11	21	10	18	10	12	10	11	9	16	10	16	9	12	9	11	10	13	9	14	10	18	10	17	10	19	9	19	9	23	9	21	9	23	10	23	418	17.4	10	1.11
" 17, ...	9	23	10	23	9	21	10	29	11	25	12	26	12	23	12	25	11	24	11	28	11	21	11	24	10	19	12	22	10	25	12	24	12	25	13	33	12	32	12	32	11	27	10	27	11	28	11	28	614	25.6	11	1.37
" 18, ...	12	26	11	24	11	23	12	17	11	17	11	14	10	11	13	7	14	5	13	8	6	4	13	4	12	3	...	1	3	11	12	13	13	2	14	2	14	13	14	19	16	14	17	9	16	12	17	12	271	11.3	12	1.37
" 19, ...	20	7	20	7	17	9	19	10	20	10	22	3	...	1	...	0	18	2	19	3	19	9	19	15	19	20	18	21	18	22	18	24	19	26	18	23	19	24	19	24	19	25	19	22	19	23	18	16	346	14.4	19	2.54
" 20, ...	18	23	18	30	18	29	20	28	21	21	20	27	20	24	20	21	20	19	19	19	18	21	19	24	19	28	18	22	19	23	18	22	18	22	18	20	18	19	17	25	17	23	17	32	18	27	16	30	579	24.1	18	2.05
" 21, ...	17	31	17	25	17	36	17	31	17	30	17	33	17	28	18	24	16	33	17	33	16	36	16	33	18	35	18	38	18	42	18	44	18	41	18	38	18	33	18	28	20	23	18	26	19	25	17	25	771	32.1	17	1.70
" 22, ...	20	34	17	30	17	36	18	36	17	31	16	35	16	35	18	36	18	33	18	39	19	52	20	50	20	53	20	51	19	46	18	41	18	39	19	38	27	25	22	31	22	22	20	21	20	23	18	21	858	35.7	19	1.57
" 23, ...	23	37	18	34	18	35	18	41	17	33	17	36	17	39	17	39	19	38	17	31	19	37	20	41	20	36	26	33	27	24	27	19	27	2	27	2	...	1	17	8	17	7	16	15	17	21	16	13	622	25.9	19	1.74
" 24, ...	16	24	17	22	18	19	16	21	17	26	17	19	18	34	17	27	18	10	18	11	18	10	18	9	16	8	17	11	16	12	17	10	26	26	22	13	18	3	14	9	13	8	13	3	12	17	12	8	360	15.0	17	1.92
" 25, ...	12	12	12	27	13	19	12	21	13	20	13	11	13	14	13	14	13	13	14	19	15	19	16	18	15	23	15	20	15	23	15	26	15	22	15	22	15	24	15	24	14	19	14	18	14	18	14	30	476	19.8	14	2.00
" 26, ...	14	27	15	27	15	24	15	25	15	24	15	26	15	28	14	17	14	20	14	17	14	19	13	15	14	19	14	24	14	27	15	25	12	24	13	25	13	25	13	21	12	29	12	25	11	32	12	29	574	23.9	14	1.81
" 27, ...	11	31	13	30	14	31	13	37	13	34	13	29	14	32	14	26	14	28	14	25	14	25	13	25	14	29	13	24	14	26	13	50	13	39	14	28	11	26	11	27	13	29	11	28	11	29	12	26	714	29.8	13	1.25
" 28, ...	12	26	13	28	13	34	14	33	14	33	14	34	14	33	13	28	14	21	14	25	14	28	14	31	14	31	14	32	14	27	15	30	14	31	15	32	15	34	14	33	15	33	15	26	16	25	15	31	719	30.0	14	1.62
" 29, ...	15	29	15	27	15	27	15	24	15	24	15	23	15	22	14	21	14	18	15	20	15	17	15	15	15	22	14	19	14	31	15	23	14	17	14	18	13	19	14	23	14	25	13	20	14	26	15	29	539	22.5	14	1.84
" 30, ...	15	29	15	26	15	25	16	24	15	14	18	4	15	2	19	19	16	12	16	10	15	11	16	12	16	15	16	11	16	11	15	9	16	8	14	10	13	7	13	10	13	14	13	21	14	19	14	20	343	14.3	15	2.33
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums, ...	...	644	...	651	...	659	...	647	...	617	...	566	..	563	...	522	...	447	...	438	...	465	...	517	...	563	...	570	...	598	..	612	...	597	...	587	...	583	...	601	...	591	...	586	...	600	...	590	13814	575.6	...	...
Means, ...	...	21.5	...	21.7	...	22.0	...	21.6	...	20.6	...	18.9	...	18.8	...	17.4	...	14.9	...	14.6	...	15.5	...	17.2	...	18.8	...	19.0	...	19.9	...	20.4	...	19.9	...	19.6	...	19.4	...	20.0	...	19.7	...	19.5	...	20.0	...	19.7	460.5	19.2	...	...
Porportion, Peak / Observatory,	...	2.20	...	2.19	...	2.06	...	2.07	...	2.16	...	2.10	...	1.85	...	1.61	...	1.27	...	1.26	...	1.19	...	1.23	...	1.30	...	1.32	...	1.46	...	1.63	...	1.63	...	1.77	...	1.96	...	2.38	..	2.21	...	2.20	...	2.24	...	2.17	...	...	...	1.75

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF JULY, 1896.

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.		Vel.		Dir.	Proportion. Peak Ob'tory.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	
July 1, ...	14	20	15	19	15	16	15	11	16	8	17	6	17	3	14	6	13	7	18	6	17	6	18	5	19	5	16	13	17	11	16	15	16	15	16	19	17	19	16	13	15	10	15	11	14	12	15	15	271	11.3	16	2.56
" 2, ...	15	13	14	15	14	15	15	13	14	12	14	18	15	16	15	18	15	16	16	11	16	12	17	13	16	11	15	10	13	12	14	20	14	16	14	20	14	15	13	18	14	19	13	23	15	23	14	23	382	15.9	14	2.13
" 3, ...	14	24	14	24	14	26	14	29	14	26	14	26	15	25	15	29	16	28	16	25	14	29	15	29	15	41	16	39	15	32	14	33	17	33	15	34	16	32	17	26	15	30	16	28	17	30	16	30	708	29.5	15	1.92
" 4, ...	16	34	15	35	16	35	15	36	15	34	16	55	16	30	16	22	16	29	16	20	17	23	18	26	17	26	16	29	17	24	16	31	17	26	16	24	15	27	15	24	15	26	14	24	14	23	14	27	670	27.9	16	2.19
" 5, ...	14	25	15	25	15	30	14	29	15	22	15	29	15	23	14	18	13	24	14	16	14	21	14	19	14	15	15	12	18	12	14	10	14	12	14	12	13	11	13	20	13	22	13	18	13	16	13	15	456	19.0	14	1.89
" 6, ...	13	15	14	16	13	18	12	13	13	23	13	27	12	16	12	7	13	8	12	7	10	5	11	4	13	9	10	8	10	9	11	12	12	13	12	13	10	16	11	13	11	13	10	15	11	14	12	12	306	12.7	12	1.23
" 7, ...	13	10	13	6	13	5	17	6	22	5	24	8	27	18	29	9	30	11	29	20	28	16	30	9	5	11	7	13	7	13	6	17	7	19	6	24	8	23	7	22	8	25	8	27	8	34	9	30	381	15.9	6	1.47
" 8, ...	8	29	8	31	8	37	7	33	9	40	9	37	9	39	9	36	9	29	9	33	10	29	10	37	11	37	11	35	11	37	10	34	10	28	11	28	11	31	13	32	13	33	14	31	15	30	15	31	797	33.2	10	1.26
" 9, ...	14	31	14	34	17	34	16	40	16	35	15	38	16	39	15	37	18	38	18	38	17	37	14	40	15	45	17	40	17	30	17	40	18	39	21	43	17	36	17	31	17	24	18	27	18	26	18	30	852	35.5	17	2.70
" 10, ...	18	34	17	30	16	31	18	36	17	35	16	31	18	34	17	30	18	25	17	25	18	21	17	19	16	22	17	22	17	23	18	20	17	23	17	23	16	26	17	27	17	28	17	28	16	30	17	25	648	27.0	17	2.20
" 11, ...	17	27	16	28	17	28	17	28	17	23	16	24	17	25	17	24	17	22	17	15	16	13	16	13	16	19	16	20	16	24	17	17	17	19	18	15	17	11	18	9	17	14	16	22	16	21	18	22	483	20.1	17	2.64
" 12, ...	18	17	18	17	17	20	16	26	16	21	17	16	17	17	19	17	17	16	18	13	18	19	18	19	16	21	17	18	17	19	17	23	16	19	17	17	17	25	17	29	16	28	16	24	17	28	16	22	491	20.5	17	2.99
" 13, ...	16	22	17	23	18	18	17	27	20	25	19	24	20	14	17	9	17	11	17	15	18	18	18	16	18	18	18	21	18	21	17	26	16	27	17	28	16	24	17	24	17	23	17	20	16	20	16	13	487	20.3	17	2.30
" 14, ...	17	9	17	11	16	19	17	18	17	14	17	9	17	9	16	9	17	12	16	6	16	6	18	9	19	13	17	11	19	11	17	14	17	11	17	8	15	6	14	16	14	19	14	19	13	17	15	17	293	12.2	16	1.94
" 15, ...	14	14	14	15	15	15	14	13	14	12	14	12	15	16	14	12	15	12	14	11	14	10	13	12	14	13	14	16	15	13	14	13	14	15	14	14	14	10	12	12	13	19	13	19	14	17	14	14	329	13.7	14	2.30
" 16, ...	15	20	15	21	14	19	14	15	15	14	14	18	14	14	14	16	15	13	14	13	16	9	14	11	15	13	16	11	16	14	15	12	14	13	15	23	14	20	14	13	14	11	14	11	14	11	13	12	347	14.5	15	2.71
" 17, ...	13	16	15	14	15	16	14	13	16	12	16	11	17	9	16	11	15	10	17	8	19	15	18	14	18	12	19	15	18	21	18	18	17	14	17	10	18	12	18	10	17	17	18	11	18	10	18	6	305	12.7	17	2.44
" 18, ...	17	14	18	18	17	18	18	16	18	23	20	24	20	23	22	17	20	12	19	13	20	9	20	13	19	16	19	13	19	8	19	15	18	16	18	13	18	14	18	16	18	15	18	14	18	16	18	21	377	15.7	19	3.27
" 19, ...	18	27	19	27	19	28	20	30	21	28	22	24	22	15	25	8	26	14	25	13	25	10	25	10	24	8	20	8	19	14	19	14	18	11	17	13	17	11	17	10	17	12	17	17	17	23	17	23	398	16.6	20	2.99
" 20, ...	18	25	20	29	19	24	19	22	20	13	21	12	19	3	20	4	18	4	18	8	18	11	18	7	18	6	18	13	18	14	17	15	17	18	18	16	17	19	18	22	18	22	18	17	18	16	18	14	354	14.8	18	2.48
" 21, ...	20	16	20	16	21	15	21	16	21	23	21	19	20	13	22	6	25	4	24	9	22	9	19	8	24	8	18	7	18	9	18	12	18	15	18	18	18	16	18	14	19	10	18	13	20	18	21	17	311	13.0	20	2.78
" 22, ...	21	16	22	11	22	14	26	19	27	17	27	18	27	16	26	14	27	11	28	12	27	10	12	8	10	5	3	2	19	6	21	8	26	12	22	10	18	14	19	10	29	13	28	17	27	17	29	12	292	12.2	25	2.14
" 23, ...	31	8	27	22	28	20	30	19	2	5	2	10	31	13	1	14	1	8	...	1	...	0	...	0	...	0	...	1	19	7	14	3	1	4	...	1	9	7	12	7	12	10	10	15	10	14	9	14	203	8.5	2	1.97
" 24, ...	9	15	9	15	9	15	6	16	8	18	8	16	8	17	7	17	7	17	8	22	8	25	8	28	7	29	7	29	6	34	7	33	7	34	8	39	9	41	8	35	8	28	8	23	9	32	8	28	606	25.3	8	1.42
" 25, ...	7	28	7	28	7	27	8	27	8	24	8	22	8	23	8	25	8	29	8	26	8	26	9	33	8	25	9	25	9	26	9	30	11	30	10	27	11	28	11	36	12	27	11	23	13	26	14	33	654	27.3	9	1.18
" 26, ...	14	24	13	29	14	29	14	30	14	31	14	34	15	34	15	32	15	35	15	28	14	21	13	18	13	16	12	18	13	21	12	20	11	23	12	29	13	29	13	30	13	26	13	30	13	36	13	35	658	27.4	13	1.58
" 27, ...	11	34	13	36	12	28	13	29	12	27	13	25	13	23	13	17	12	31	13	29	10	29	11	32	10	25	10	25	10	30	11	22	11	20	10	23	10	26	10	22	10	26	9	23	10	20	9	27	629	26.2	11	1.78
" 28, ...	9	23	9	20	9	17	9	18	8	22	8	20	7	20	8	21	9	20	9	16	10	20	9	15	9	10	10	10	9	4	10	3	10	4	10	7	2	7	29	13	29	23	29	29	28	35	28	39	416	17.3	6	1.38
" 29, ...	28	43	28	37	28	31	27	19	6	25	2	23	3	35	1	40	2	37	3	40	4	50	3	55	4	60	4	63	5	78	5	86	6	100	6	102	7	138	8	140	8	143	10	151	12	126	14	105	1727	72.0	6	1.60
" 30, ...	14	95	15	89	15	64	15	53	14	46	14	41	14	35	14	30	13	37	13	38	14	34	14	35	14	35	14	32	14	32	14	30	14	36	14	40	14	39	14	36	14	35	14	28	14	28	13	28	996	41.5	14	1.22
" 31, ...	11	30	13	40	13	43	14	43	14	37	14	36	14	33	14	30	14	28	12	28	12	28	12	28	12	28	11	28	11	28	11	28	12	28	15	26	13	24	13	23	13	23	13	23	14	23	13	23	709	29.5	13	1.34
Sums, ...	...	758	...	781	...	755	...	743	...	700	...	693	...	650	...	585	...	598	...	565	...	571	...	585	...	602	...	607	...	637	...	674	...	693	...	719	...	757	...	753	...	774	...	781	...	792	...	763	16536	689.0	...	...
Means, ...	...	24.5	...	25.2	...	24.4	...	24.0	...	22.6	...	22.4	...	21.0	...	18.9	...	19.3	...	18.2	...	18.4	...	18.9	...	19.4	...	19.6	...	20.5	...	21.7	...	22.4	...	23.2	...	24.4	...	24.3	...	25.0	...	25.2	...	25.5	...	24.6	533.4	22.2	...	...
Proportion, Peak / Observatory,	...	2.24	...	2.16	...	2.14	...	2.13	...	2.17	...	2.21	...	2.08	...	1.85	...	1.60	...	1.47	...	1.33	...	1.27	...	1.32	...	1.37	...	1.49	...	1.54	...	1.59	...	1.60	...	1.74	...	1.95	...	2.04	...	2.08	...	2.09	...	2.15	...	...	...	1.78

From 29th 5 p. to 31st midnight, values have been interpolated from observed estimations of direction and force made at the Peak from 7 a. to 7 p. inclusive, and from the record of the Observatory anemograph.

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF AUGUST, 1896.

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.		Vel.		Dir.	Proportion. Peak Ob'tory.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	
Aug. 1, ...	11	20	11	23	11	21	13	20	14	14	14	19	14	23	13	23	13	23	10	23	12	23	12	23	12	23	12	23	12	20	12	20	12	20	12	18	12	18	12	18	12	16	12	14	12	12	475	19.8	12	1.48
" 2, ...	12	12	12	12	12	12	12	12	12	12	12	14	10	18	10	18	10	18	8	18	8	18	8	18	8	18	8	18	8	23	12	23	12	23	8	23	8	23	8	23	8	23	8	23	8	23	448	18.7	9	1.95
" 3, ...	8	23	8	23	7	23	7	23	7	23	6	23	4	23	4	28	4	28	5	28	6	28	6	28	8	28	8	28	8	28	8	34	8	34	8	34	8	36	8	40	8	45	9	52	10	52	746	31.1	7	1.34
" 4, ...	10	52	10	52	10	55	10	52	10	40	10	44	10	34	10	34	10	34	10	34	10	34	10	34	12	34	12	34	12	34	12	34	12	34	16	28	16	34	16	44	16	48	16	40	16	40	16	38	941	39.2	12	1.20
" 5, ...	16	38	16	32	16	32	16	26	16	30	17	30	18	28	18	28	18	23	18	23	18	23	18	23	18	23	18	23	18	23	18	23	18	23	18	23	18	23	18	23	18	23	18	21	18	16	598	24.9	17	1.75
" 6, ...	18	15	18	15	18	15	18	15	18	18	18	18	18	23	18	23	16	23	16	23	16	23	16	23	16	18	16	18	16	18	16	18	16	18	16	18	16	16	16	14	16	14	15	14	14	14	428	17.8	16	1.65
" 7, ...	13	14	13	14	13	12	12	10	11	12	10	18	10	20	11	20	11	18	24	19	28	18	28	14	4	18	8	14	28	14	10	14	31	9	31	4	5	4	9	6	9	5	9	10	10	12	10	15	314	13.1	10	3.53
" 8, ...	11	11	11	13	11	14	13	9	16	10	19	6	20	3	19	4	27	6	29	9	29	9	28	14	27	17	27	20	27	23	28	21	27	15	28	21	30	19	5	20	9	24	9	20	8	16	8	20	344	14.3	32	1.74
" 9, ...	7	23	7	25	6	30	5	30	6	28	4	24	5	21	6	38	5	43	7	45	8	61	8	55	9	58	9	55	9	57	9	63	9	63	9	52	10	69	10	61	11	78	11	72	11	65	12	55	1171	48.8	9	1.34
" 10, ...	12	47	11	53	11	53	11	56	10	56	12	51	12	58	11	51	12	44	12	36	11	42	11	53	12	41	13	37	13	32	13	32	13	35	13	27	12	29	12	26	11	31	11	32	11	31	11	32	985	41.0	12	1.24
" 11, ...	11	28	11	30	11	27	11	28	12	27	11	24	11	20	11	18	9	13	9	10	9	10	9	10	9	8	9	9	8	7	10	8	9	8	9	12	11	10	10	13	10	16	10	13	11	12	10	16	377	15.7	10	1.13
" 12, ...	11	15	12	8	12	10	13	5	13	5	13	6	12	2	13	2	12	2	...	1	17	3	18	3	21	5	16	8	17	3	23	5	18	4	18	4	18	4	10	4	9	8	12	15	11	16	10	15	153	6.4	13	1.61
" 13, ...	10	14	10	18	12	14	10	14	10	17	10	15	8	15	10	7	10	5	5	3	14	4	15	6	2	4	15	15	16	9	17	12	17	10	16	4	16	4	28	3	18	2	18	2	14	5	12	5	207	8.6	12	1.27
" 14, ...	12	5	12	3	12	3	...	1	...	1	...	1	8	4	8	5	3	2	13	5	18	3	21	7	17	5	16	9	19	10	18	12	18	12	18	10	18	10	18	7	18	3	19	8	19	10	19	11	147	6.1	17	1.91
" 15, ...	19	12	18	16	19	20	21	24	21	21	23	17	21	10	27	11	26	9	26	12	28	11	24	10	26	9	25	11	25	11	20	8	23	8	22	9	21	14	19	16	19	13	18	21	19	24	19	30	347	14.5	21	2.26
" 16, ...	19	25	19	29	19	28	19	24	20	24	25	6	27	3	23	6	23	4	22	7	21	10	20	13	21	12	19	21	19	20	18	18	19	15	18	10	19	6	18	2	15	5	16	12	16	19	17	20	339	14.1	19	1.98
" 17, ...	19	25	19	25	19	24	19	23	21	20	19	26	17	19	18	14	20	13	18	13	18	16	19	18	19	21	19	21	18	21	19	22	17	22	18	20	17	16	17	15	18	14	18	12	18	11	19	17	448	18.7	19	2.65
" 18, ...	18	15	18	13	19	18	17	22	18	20	19	16	18	15	20	16	19	15	19	14	19	14	19	20	19	18	18	18	18	15	17	17	17	18	16	20	16	17	16	16	15	12	16	11	16	11	15	11	382	15.9	18	2.64
" 19, ...	16	10	15	10	15	13	15	13	14	18	14	19	13	13	14	15	14	17	14	12	15	15	14	15	14	16	14	16	13	18	13	13	13	15	13	22	12	15	10	20	12	27	11	20	11	21	11	27	400	16.7	13	1.45
" 20, ...	11	25	11	24	12	23	12	28	12	22	12	24	11	21	13	18	13	14	11	12	13	14	12	21	10	12	10	10	10	9	10	10	10	11	9	10	9	15	9	22	9	21	10	23	10	25	10	24	438	18.2	11	1.18
" 21, ...	11	21	11	25	11	24	11	22	11	20	10	20	10	17	11	16	10	13	10	13	10	11	9	9	8	7	10	8	8	7	9	9	11	9	12	11	12	8	11	7	10	9	10	12	10	12	10	10	320	13.3	11	1.00
" 22, ...	11	11	12	10	12	4	12	9	9	9	9	12	8	11	6	14	8	11	8	12	9	10	7	10	9	8	7	7	9	9	12	20	13	15	13	8	11	11	12	14	11	14	11	12	10	12	11	14	267	11.1	10	1.24
" 23, ...	11	11	11	7	10	9	10	12	10	11	10	11	10	5	6	5	10	4	9	5	5	3	13	6	12	7	16	10	15	4	10	2	28	3	23	5	23	3	11	5	6	2	9	3	9	2	9	3	138	5.8	11	1.26
" 24, ...	9	4	9	3	14	7	16	8	16	6	16	2	7	8	7	7	12	5	19	8	26	5	22	9	17	6	18	5	19	8	17	5	17	5	17	2	10	4	14	2	9	2	9	2	7	7	8	12	132	5.5	14	1.38
" 25, ...	8	12	9	16	11	12	14	15	12	7	8	14	12	8	13	7	13	9	13	11	13	11	16	17	18	10	15	6	16	6	16	6	15	5	13	6	11	5	7	6	8	16	9	13	9	19	11	15	252	10.5	12	1.76
" 26, ...	10	13	11	17	12	21	11	14	11	12	10	9	11	3	11	6	10	8	8	6	9	8	8	6	10	6	10	6	12	7	10	6	10	6	10	10	10	12	10	13	9	13	9	11	9	16	9	17	246	10.2	10	2.39
" 27, ...	10	17	11	16	9	16	9	19	8	13	7	9	5	8	4	8	4	8	8	10	7	10	8	11	8	9	8	9	9	12	9	12	8	18	9	22	10	20	10	18	12	17	12	17	12	17	12	24	340	14.2	9	1.48
" 28, ...	12	20	13	16	13	11	13	13	13	15	12	13	10	7	11	6	10	3	11	3	9	2	10	4	16	9	14	7	14	7	13	12	14	9	14	4	13	6	13	11	13	18	13	18	13	13	14	10	237	9.9	13	1.39
" 29, ...	14	12	15	12	16	14	16	10	16	13	17	11	18	7	17	7	18	4	16	5	7	5	16	6	18	13	19	9	17	15	17	16	17	14	17	14	17	15	17	14	16	12	16	13	16	18	16	12	271	11.3	16	2.58
" 30, ...	16	15	16	14	16	8	16	13	18	10	18	8	18	8	17	3	17	4	17	4	17	7	17	7	18	13	18	15	16	17	17	19	18	21	16	20	16	20	16	13	16	13	16	13	15	20	16	16	301	12.5	17	2.72
" 31.	16	11	16	10	17	12	16	6	19	8	19	7	18	6	16	2	17	2	15	4	12	5	12	6	10	5	10	7	10	7	12	9	13	16	13	22	13	23	13	24	13	18	11	12	10	22	10	17	261	10.9	13	1.17
Sums, ...	...	576	...	584	...	585	...	576	...	542	...	517	...	461	...	460	...	425	...	428	...	456	...	499	...	481	...	497	...	494	...	523	...	518	...	493	...	507	...	511	...	559	...	558	...	600	...	603	12453	518.9	...	...
Means, ...	...	18.6	...	18.8	...	18.9	...	18.6	...	17.5	...	16.7	...	14.9	...	14.8	...	13.7	...	13.8	...	14.7	...	16.1	...	15.5	...	16.0	...	15.9	...	16.9	...	16.7	...	15.9	...	16.4	...	16.5	...	18.0	...	18.0	...	19.4	...	19.5	401.7	16.7	...	...
Proportion, Peak / Observatory,	...	2.00	...	2.17	...	2.08	...	2.20	...	2.22	...	2.30	...	2.03	...	1.61	...	1.32	...	1.14	...	1.05	...	1.04	...	1.00	...	1.07	...	1.09	...	1.23	...	1.30	...	1.27	...	1.52	...	1.60	...	1.60	...	1.85	...	1.88	...	1.94	...	...	...	1.51

August 1st 1 a.—7th 4 p. inclusive, values have been interpolated from observed estimations of direction and force at the Peak from 7 a. to 7 p. inclusive, and from the record of the Observatory anemograph.

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF SEPTEMBER, 1896.

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.		Vel.		Dir.	Proportion.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	Peak / Ob'tory.
Sept. 1, ...	9	16	10	19	10	14	6	11	5	18	5	15	5	14	8	19	8	14	9	15	9	15	9	13	9	18	8	15	9	22	9	22	9	27	7	26	9	29	9	28	10	24	12	29	11	32	12	35	490	20.4	9	1.32
,, 2, ...	12	31	13	32	13	26	14	25	12	25	15	26	15	34	16	38	16	30	15	33	17	30	17	36	16	26	17	25	18	34	16	26	15	23	16	24	15	21	14	20	14	22	13	20	14	21	13	24	652	27.2	15	2.21
,, 3, ...	13	26	15	28	14	25	15	24	15	25	15	25	16	22	17	23	16	19	16	11	18	14	18	15	19	14	18	15	17	14	17	15	16	10	17	18	17	20	17	10	17	10	17	9	17	14	17	8	414	17.2	16	2.55
,, 4, ...	17	9	17	7	17	5	17	7	17	10	17	9	...	1	17	2	16	4	16	2	10	4	18	11	17	11	18	15	18	12	17	10	17	15	17	13	17	17	17	19	18	15	18	13	18	14	18	16	241	10.0	17	2.51
,, 5, ...	18	13	18	14	19	15	23	14	23	10	23	7	23	8	22	2	20	3	26	7	27	7	27	6	27	5	21	7	21	10	21	6	21	8	21	6	19	7	19	8	19	5	10	13	2	8	2	9	198	8.3	21	1.85
,, 6, ...	4	8	7	3	15	9	18	11	18	8	18	8	14	23	14	13	18	15	22	13	26	9	27	10	27	15	27	6	27	3	27	8	27	8	28	12	32	5	2	3	2	2	2	5	5	5	7	5	207	8.6	22	1.63
,, 7, ...	7	10	7	10	8	13	8	6	8	8	7	10	5	10	5	11	6	14	7	11	5	8	7	8	7	7	10	12	10	4	10	4	8	6	10	15	8	15	8	10	8	12	8	15	8	16	8	14	249	10.4	8	1.23
,, 8, ...	8	12	8	16	7	18	7	20	8	20	8	20	8	21	7	18	8	15	8	7	9	12	9	14	10	16	10	16	9	15	10	11	10	8	11	12	11	17	11	14	11	13	11	13	11	12	11	10	350	14.6	9	1.26
,, 9, ...	11	10	11	10	11	13	9	11	9	11	8	13	7	15	5	12	5	12	6	10	7	6	9	4	10	5	15	6	15	6	17	11	17	6	17	5	...	1	18	2	18	3	18	6	18	2	17	4	184	7.7	10	1.69
,, 10, ...	...	1	17	3	17	8	17	10	17	8	17	12	3	19	3	19	2	17	2	11	7	10	5	6	2	4	12	6	16	10	15	6	20	7	20	5	20	6	20	2	20	3	20	3	20	2	20	2	180	7.5	10	1.65
,, 11, ...	20	4	30	10	31	13	31	13	32	14	2	13	6	11	7	11	7	12	8	10	8	11	8	10	8	11	8	10	7	10	9	14	9	13	10	17	10	18	10	18	10	18	10	17	10	17	10	17	312	13.0	8	1.25
,, 12, ...	9	16	9	15	9	18	8	17	8	18	7	17	7	20	6	19	8	18	8	15	7	14	8	15	9	14	8	20	8	28	8	25	8	21	9	24	9	30	9	29	9	30	9	28	9	31	9	34	516	21.5	8	1.28
,, 13, ...	9	24	9	25	9	25	8	26	7	25	8	23	8	25	8	33	9	37	8	29	7	29	8	27	9	28	9	26	9	23	9	26	9	26	9	33	9	26	9	39	9	37	9	31	9	36	9	32	691	28.8	9	1.16
,, 14, ...	9	25	9	22	8	23	9	23	9	24	10	24	9	26	9	26	8	26	9	29	8	24	9	34	8	28	7	27	7	30	9	29	9	34	8	28	9	33	9	34	9	37	9	33	9	28	9	30	677	28.2	9	1.08
,, 15, ...	9	29	9	31	9	30	9	31	9	29	9	28	9	28	8	29	9	27	9	25	9	29	9	35	9	36	9	26	9	24	9	25	9	27	8	30	9	37	9	40	9	42	9	43	9	35	9	37	753	31.4	9	1.04
,, 16, ...	9	37	8	29	10	29	8	34	8	38	8	32	8	30	10	42	10	46	10	35	10	34	12	26	10	28	9	26	9	22	9	31	9	27	9	28	9	25	9	24	10	24	10	27	10	21	10	30	725	30.2	9	1.10
,, 17, ...	9	30	9	28	10	34	11	30	11	37	11	34	10	36	11	36	11	29	12	23	12	29	11	28	11	30	11	23	11	22	10	20	11	27	10	30	10	30	10	22	11	31	11	27	11	27	10	32	695	29.0	11	1.23
,, 18, ...	11	30	11	34	10	30	10	30	10	29	11	27	11	28	11	21	11	25	11	20	12	40	11	27	11	23	12	24	10	20	10	16	10	16	10	19	10	18	10	23	10	20	11	23	11	25	12	19	587	24.5	11	1.28
,, 19, ...	11	23	11	20	11	18	11	16	10	18	9	22	9	25	9	24	9	17	9	23	9	21	9	20	9	17	9	14	9	16	9	15	10	16	10	18	10	17	10	13	10	15	10	18	10	21	10	19	446	18.6	10	1.33
,, 20, ...	10	20	10	21	9	19	9	21	9	26	9	23	8	18	9	20	8	16	8	15	9	19	9	18	9	16	9	24	10	20	10	21	11	20	11	24	11	26	11	24	10	20	10	24	9	28	10	27	510	21.2	10	1.33
,, 21, ...	10	31	10	26	10	20	10	21	10	22	9	16	8	15	8	15	9	11	9	14	8	11	8	10	9	6	9	4	8	4	3	5	3	4	3	3	...	1	3	3	3	4	3	4	3	7	29	6	263	11.0	9	1.09
,, 22, ...	28	6	22	10	21	11	23	8	26	14	27	13	27	8	27	6	27	6	27	7	27	11	27	7	27	4	18	5	18	10	18	9	18	6	18	7	18	5	18	4	18	4	18	4	18	6	19	6	177	7.4	23	1.85
,, 23, ...	16	6	11	11	10	8	10	8	12	6	13	16	15	14	18	10	18	8	17	8	17	7	17	3	18	7	15	10	15	5	15	12	12	19	12	20	12	16	12	16	10	26	10	21	10	21	10	21	299	12.5	13	1.34
,, 24, ...	10	21	11	25	11	24	11	21	11	20	11	22	10	15	10	17	9	21	9	15	9	16	9	16	9	15	9	15	9	16	12	15	12	15	11	19	12	18	13	16	14	15	14	13	14	15	13	13	418	17.4	11	1.18
,, 25, ...	14	12	14	17	15	20	16	19	17	15	16	17	17	11	17	12	16	10	16	14	17	14	16	14	17	16	17	16	19	14	17	13	17	14	17	15	17	13	17	9	17	13	17	10	16	14	16	13	335	14.0	16	2.77
,, 26, ...	16	8	16	12	16	8	16	9	17	11	17	8	17	3	17	2	17	6	17	5	17	6	17	6	17	8	18	12	18	17	16	12	17	14	17	13	17	10	17	11	17	7	17	13	17	11	17	11	223	9.3	17	2.34
,, 27, ...	17	9	17	7	17	10	19	9	19	8	20	4	19	3	19	2	19	2	19	3	18	5	18	8	18	14	18	12	18	13	16	10	17	12	17	9	17	8	17	7	17	6	17	5	17	7	17	10	183	7.6	18	2.34
,, 28, ...	17	12	17	9	19	8	21	8	21	9	21	5	21	2	21	2	21	3	21	2	14	6	17	5	17	8	17	14	18	16	18	10	18	8	18	9	18	5	18	2	18	4	18	4	...	1	18	2	154	6.4	18	1.85
,, 29, ...	18	7	15	4	15	2	15	2	15	3	...	1	15	2	...	1	15	2	15	5	17	11	16	4	16	8	16	11	17	10	16	10	17	5	11	6	7	7	7	12	6	14	6	9	8	8	13	157	6.5	13	1.96
,, 30, ...	9	12	9	13	10	15	10	13	10	11	10	8	9	9	8	7	4	6	3	14	4	10	8	11	9	15	9	12	8	14	9	18	9	17	9	15	8	10	8	14	9	15	9	16	9	14	9	16	305	12.7	8	1.60
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums, ...	...	498	...	511	...	511	...	498	...	520	...	498	...	496	...	492	...	471	...	431	...	462	...	447	...	453	...	454	...	464	..	455	...	459	...	503	...	491	...	476	...	491	...	496	...	499	...	515	11591	483.0	...	...
Means, ...	...	16.6	...	17.0	...	17.0	...	16.6	...	17.3	...	16.6	...	16.5	...	16.4	...	15.7	...	14.4	...	15.4	...	14.9	...	15.1	...	15.1	...	15.5	...	15.2	...	15.3	...	16.8	...	16.4	...	15.9	...	16.4	...	16.5	...	16.6	...	17.2	386.4	16.1	...	...
Proportion, Peak. / Observatory,	...	1.52	...	1.60	...	1.75	...	1.78	...	1.78	...	1.65	...	1.61	...	1.38	...	1.21	...	1.04	...	1.20	...	1.08	...	1.05	...	1.07	...	1.10	...	1.13	...	1.18	...	1.32	...	1.51	...	1.50	...	1.52	...	1.57	...	1.69	...	1.71	...	...	...	1.38

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF OCTOBER, 1896.

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.		Vel.		Dir.	Proportion.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	Peak Ob'tory.
Oct. 1, ...	9	17	8	17	8	16	8	18	8	18	8	18	8	17	8	21	9	18	8	25	8	26	9	18	9	22	9	22	9	23	10	20	9	27	9	22	9	23	10	20	10	23	9	24	11	25	9	21	501	20.9	9	1.21
" 2, ...	9	20	8	17	8	17	7	27	7	29	7	26	8	28	6	25	8	25	9	30	8	22	9	20	9	21	8	17	9	23	10	20	10	20	10	25	10	25	10	26	9	28	9	20	10	23	10	25	559	23.3	9	1.22
" 3, ...	8	25	9	25	8	22	8	24	8	20	9	20	8	27	8	28	9	23	8	22	8	19	8	16	8	15	9	15	8	11	10	15	10	20	10	21	10	20	10	15	10	14	9	17	9	15	9	15	464	19.3	9	1.15
" 4, ...	9	14	10	15	10	8	5	4	30	5	29	15	30	14	30	20	30	20	30	21	30	17	30	12	32	9	2	11	1	5	15	6	26	5	28	6	31	17	32	18	2	25	2	21	3	25	2	26	339	14.1	32	2.78
" 5, ...	3	23	9	15	8	15	6	17	5	21	3	34	3	36	3	35	6	40	8	50	8	49	8	47	6	50	6	54	6	56	7	56	8	56	8	54	8	54	8	50	9	50	9	55	9	50	9	53	1020	42.5	7	1.36
" 6, ...	9	61	9	63	9	62	9	76	10	65	9	58	10	66	10	64	10	61	10	47	10	63	10	75	10	71	11	75	10	72	11	66	12	52	12	50	12	43	12	49	12	48	13	46	13	48	14	48	1429	59.5	11	1.11
" 7, ...	14	47	14	46	15	48	14	52	14	42	15	42	15	48	15	46	15	43	16	29	16	34	16	32	14	36	17	33	18	24	17	30	17	34	16	35	18	33	16	33	18	35	18	35	16	34	17	51	902	37.6	16	1.75
" 8, ...	16	33	18	30	17	32	17	34	17	28	18	26	16	24	16	24	17	21	16	19	18	20	18	18	16	15	18	17	16	16	18	22	14	14	14	15	14	18	14	22	14	21	14	17	15	23	15	23	532	22.2	16	2.33
" 9, ...	16	14	15	14	16	10	15	12	15	13	15	10	16	8	15	4	15	6	17	8	16	4	25	8	27	14	27	13	27	15	28	15	27	14	27	15	28	18	29	14	29	17	32	10	32	10	31	9	275	11.5	25	1.62
" 10, ...	31	14	32	13	1	7	3	10	3	3	4	8	2	11	2	12	32	17	32	12	30	18	31	15	29	21	29	24	30	20	31	21	31	20	32	28	32	27	1	24	2	24	4	29	3	25	2	28	431	18.0	32	1.89
" 11, ...	1	26	32	30	32	28	32	31	1	26	2	23	32	23	32	23	2	28	3	26	1	18	2	22	2	26	32	24	31	28	31	38	31	38	31	40	31	34	31	38	31	43	31	42	31	36	31	32	723	30.1	32	2.16
" 12, ...	31	34	31	41	31	33	30	22	30	30	29	36	29	41	29	32	29	27	29	35	29	33	28	40	28	36	28	34	28	35	28	35	29	38	30	37	30	34	29	30	30	24	32	24	32	30	32	29	790	32.9	30	1.78
" 13, ...	32	28	32	28	32	29	32	27	32	15	1	5	2	13	2	14	2	12	2	6	3	6	1	6	1	6	29	3	9	6	15	3	10	7	7	9	6	15	6	11	6	10	7	10	7	13	8	15	297	12.4	3	2.29
" 14, ...	8	15	8	18	8	20	8	21	8	21	7	18	7	20	7	20	7	21	7	25	8	21	8	18	9	13	9	11	9	13	9	11	11	16	10	19	10	17	10	16	10	16	10	14	10	16	9	23	423	17.6	8	1.19
" 15, ...	9	26	9	27	9	26	9	29	8	26	8	20	7	21	8	23	9	24	9	22	9	20	9	18	10	17	10	16	10	16	10	15	11	17	11	17	11	20	11	19	11	19	11	20	11	18	11	17	493	20.5	10	1.12
" 16, ...	11	19	11	16	10	16	10	20	11	23	9	15	10	21	9	21	8	19	9	16	9	18	10	14	10	12	10	11	10	12	10	18	10	20	10	16	9	19	10	23	11	29	11	23	10	21	10	18	440	18.3	10	1.00
" 17, ...	10	23	10	24	11	25	10	22	10	23	10	27	9	26	10	22	10	23	9	18	9	19	9	24	9	20	10	17	10	15	10	13	10	18	10	18	10	21	10	16	10	18	10	15	10	16	10	17	480	20.0	10	1.09
" 18, ...	11	14	10	16	10	12	10	14	10	12	10	11	9	11	8	12	8	15	8	13	8	10	9	13	9	13	10	11	10	7	9	9	9	11	9	13	9	13	8	14	9	12	8	7	8	10	8	12	285	11.9	9	1.46
" 19, ...	9	10	6	17	8	19	8	18	7	17	8	21	7	16	9	14	8	10	8	11	7	22	6	23	6	21	8	17	7	19	9	19	9	18	9	15	8	15	5	18	8	22	9	15	7	14	7	18	409	17.0	8	1.59
" 20, ...	6	17	6	18	5	16	6	15	7	15	6	13	5	11	4	10	4	8	1	9	6	11	5	10	1	9	2	12	32	7	32	10	2	13	32	24	1	26	2	25	2	33	2	32	2	36	3	30	410	17.1	3	2.11
" 21, ...	3	29	4	25	4	30	2	25	3	24	4	19	5	14	2	18	4	18	4	12	6	15	8	15	6	11	2	6	28	10	26	3	8	6	7	14	3	13	4	15	3	19	3	12	3	10	6	11	374	15.6	4	1.77
" 22, ...	8	13	8	18	9	26	9	27	8	31	8	31	9	28	8	22	7	29	7	30	7	23	7	20	8	18	8	15	7	18	7	17	8	18	8	21	8	21	8	22	7	29	7	28	8	28	7	31	564	23.5	8	1.30
" 23, ...	8	30	8	35	8	29	7	31	8	27	8	30	7	32	8	30	7	30	8	29	8	27	8	26	8	23	8	24	8	22	9	26	9	34	9	37	10	38	9	31	8	31	10	32	8	30	8	27	711	29.6	8	1.34
" 24, ...	9	25	9	27	9	25	9	21	9	21	9	21	9	24	9	24	9	21	9	14	9	18	9	15	9	14	10	16	9	19	9	21	9	19	10	19	10	18	10	19	10	19	10	21	10	18	10	17	476	19.8	9	1.06
" 25, ...	10	16	9	12	8	12	8	14	9	18	9	16	9	12	8	12	9	12	9	11	8	8	9	9	8	4	8	3	6	4	6	2	6	2	6	2	6	3	6	4	5	7	5	7	5	9	5	8	207	8.6	8	0.85
" 26, ...	5	13	6	12	7	12	5	12	3	14	4	19	4	17	5	22	6	24	7	15	6	14	7	9	8	8	8	6	2	10	1	10	1	12	32	18	31	18	31	14	1	14	1	14	4	12	2	9	328	13.7	4	1.42
" 27, ...	5	12	4	15	4	12	2	10	2	10	3	12	3	11	3	7	3	6	32	6	30	10	29	11	29	10	28	8	29	3	27	6	24	7	26	9	2	7	6	9	7	7	5	8	5	10	5	14	220	9.2	2	1.32
" 28, ...	4	15	4	14	4	12	4	12	5	12	6	14	6	13	6	12	5	11	8	10	7	9	7	8	8	7	8	5	8	6	7	6	8	7	9	12	9	15	9	14	9	10	9	16	9	18	9	16	274	11.4	7	0.98
" 29, ...	8	20	8	17	8	20	7	19	6	18	6	16	5	14	4	13	3	10	2	12	8	12	6	7	7	5	3	6	2	6	28	6	30	4	32	8	6	10	8	16	8	18	8	16	8	14	6	14	301	12.5	6	1.32
" 30, ...	5	14	3	20	3	24	2	29	3	24	3	24	2	20	2	20	2	14	2	12	2	16	32	14	1	14	2	14	1	18	2	16	2	17	2	18	3	20	2	22	3	27	2	27	2	33	2	29	486	20.2	2	1.67
" 31, ...	3	31	3	35	3	33	2	30	2	32	3	29	3	31	4	32	2	35	2	34	3	28	2	26	4	27	2	26	1	23	4	25	4	29	2	30	3	28	3	23	8	24	8	17	6	28	4	26	682	28.4	3	1.63
Sums, ...	...	698	...	720	...	696	...	723	...	683	...	677	...	698	...	682	...	671	...	629	...	630	...	609	...	588	...	566	...	562	...	580	...	613	...	667	...	683	...	670	...	716	...	674	...	698	...	692	15825	659.4	...	...
Means, ...	...	22.5	...	23.2	...	22.5	...	23.3	...	22.0	...	21.8	...	22.5	...	22.0	...	21.6	...	20.3	...	20.3	...	19.6	...	19.0	...	18.3	...	18.1	...	18.7	...	19.8	...	21.5	...	22.0	...	21.6	...	23.1	...	21.7	...	22.5	...	22.4	510.5	21.3	...	...
Proportion, Peak / Observatory,	...	1.60	...	1.56	...	1.46	...	1.49	...	1.43	...	1.55	...	1.52	...	1.41	...	1.30	...	1.16	...	1.11	...	1.10	...	1.12	...	1.12	...	1.15	...	1.23	...	1.35	...	1.53	...	1.64	...	1.63	...	1.71	...	1.60	...	1.66	...	1.62	...	...	...	1.40

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF NOVEMBER, 1896.

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.		Vel.		Dir.	Proportion.
	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	Peak / Ob'tory.
Nov. 1, ...	4	25	5	27	6	27	5	25	6	29	7	28	7	31	6	36	6	31	6	27	7	30	6	28	6	20	6	13	5	13	7	11	7	17	7	13	6	16	7	16	8	14	7	18	7	23	7	31	549	22.9	6	1.93
„ 2, ...	8	27	7	23	8	19	8	18	8	20	8	22	9	24	8	22	8	23	8	19	8	17	8	13	7	2	...	1	...	1	...	0	...	0	7	5	6	10	6	13	7	13	7	12	7	11	8	17	332	13.8	8	0.91
„ 3, ...	8	18	8	17	8	17	8	18	8	18	7	17	8	18	7	18	8	18	8	13	9	3	9	8	9	6	9	7	9	5	9	8	9	8	9	8	9	8	6	7	6	6	6	6	5	7	5	8	267	11.1	8	0.91
„ 4, ...	7	14	7	16	7	11	7	14	7	13	7	15	7	10	6	9	7	16	8	13	8	15	8	17	8	18	8	17	8	17	8	15	8	16	8	24	7	24	7	26	8	31	9	33	9	36	9	37	457	19.0	8	1.48
„ 5, ...	8	36	9	41	9	41	9	39	8	40	9	38	8	40	8	38	8	41	8	41	8	39	9	41	9	41	8	40	8	36	9	49	9	52	9	48	9	44	9	49	9	44	8	43	9	48	9	43	1012	42.2	9	1.10
„ 6, ...	10	44	10	50	9	49	10	50	10	48	10	42	10	44	10	43	10	40	10	33	9	37	9	36	9	36	9	30	9	36	9	33	10	40	9	39	9	36	9	33	9	30	9	29	9	31	9	27	916	38.2	9	1.22
„ 7, ...	9	22	9	18	9	21	9	22	8	24	8	22	8	25	8	25	8	26	9	17	9	32	9	28	8	25	9	29	9	29	9	26	9	26	9	30	9	33	9	25	9	23	8	18	8	19	8	23	588	24.5	9	1.35
„ 8, ...	8	22	8	24	8	20	8	19	8	19	8	27	8	22	8	22	7	21	9	20	8	22	9	26	8	26	8	22	8	19	9	22	9	27	9	28	9	26	9	30	9	28	9	26	8	30	8	25	573	23.9	8	1.23
„ 9, ...	8	24	9	22	8	31	7	28	7	30	9	38	9	36	9	38	9	34	9	23	9	27	9	26	8	28	9	25	9	28	9	34	9	32	9	36	10	40	10	35	10	36	10	36	10	35	10	38	760	31.7	9	1.20
„ 10, ...	10	40	10	27	10	24	9	22	10	21	9	28	9	26	9	23	9	25	9	25	9	20	8	22	9	15	8	15	9	21	9	16	8	19	8	18	8	19	8	17	8	18	9	17	9	20	9	23	521	21.7	9	1.08
„ 11, ...	9	20	9	21	8	22	9	17	8	20	8	16	7	22	6	24	7	13	8	15	9	9	8	10	9	8	9	7	9	8	7	4	7	8	8	12	8	17	9	18	7	21	8	17	9	21	9	23	373	15.5	8	1.09
„ 12, ...	9	18	8	21	8	22	7	23	8	20	8	21	8	17	9	19	9	19	8	15	8	14	9	14	9	16	10	19	10	21	10	26	9	27	9	30	9	28	9	31	9	30	8	25	9	26	9	26	528	22.0	9	1.14
„ 13, ...	9	30	9	25	9	30	8	30	8	28	9	27	9	30	9	31	9	31	9	26	8	30	7	30	8	27	8	28	8	25	7	28	8	24	7	26	8	26	7	27	8	32	7	32	8	32	7	31	686	28.6	8	1.12
„ 14, ...	8	29	8	36	8	37	8	35	8	33	9	38	9	38	9	36	9	40	9	34	9	34	8	30	8	30	8	31	8	33	8	41	9	41	8	38	8	35	9	42	9	41	9	46	9	38	9	26	862	35.9	9	1.12
„ 15, ...	8	27	8	30	8	34	9	35	7	25	10	18	9	15	7	12	7	10	32	7	30	15	30	13	29	18	28	24	28	26	28	28	28	26	29	33	29	29	29	30	29	30	31	19	32	20	32	24	548	22.8	1	1.77
„ 16, ...	32	27	32	26	31	25	30	25	31	20	31	21	32	19	3	18	1	19	1	14	32	14	30	15	30	17	1	9	2	12	32	16	32	17	1	20	1	22	2	19	4	23	2	21	1	20	2	13	452	18.8	32	1.82
„ 17, ...	5	12	5	13	5	12	5	14	5	11	5	9	32	13	32	8	32	4	3	8	6	9	6	9	7	8	7	8	7	6	7	8	7	10	3	9	3	7	2	14	3	11	3	10	2	13	2	15	241	10.0	4	1.69
„ 18, ...	2	14	2	15	2	16	4	15	4	15	4	11	5	14	5	12	6	10	7	9	8	6	6	6	32	6	32	4	32	3	31	6	30	9	30	7	30	5	29	4	29	3	30	6	4	7	8	8	211	8.8	3	1.65
„ 19, ...	8	8	8	8	8	9	8	9	6	11	6	13	6	19	7	17	8	15	8	13	8	12	8	10	8	10	9	8	9	10	9	10	9	10	9	12	9	14	9	11	9	13	9	15	9	18	9	11	286	11.9	8	1.42
„ 20, ...	8	11	7	11	6	20	6	18	7	18	7	16	7	19	7	15	8	13	8	13	8	10	8	9	8	4	8	5	8	3	9	2	9	3	9	4	9	5	9	9	9	12	8	13	8	18	8	17	268	11.2	8	1.23
„ 21, ...	8	17	8	20	8	18	8	16	8	15	8	13	8	18	8	20	8	10	8	7	8	8	6	5	6	3	6	2	6	2	6	2	6	7	13	5	25	10	28	13	29	13	30	15	30	12	30	10	261	10.9	6	1.54
„ 22, ...	1	10	1	12	1	9	1	8	4	7	5	8	6	8	7	8	8	9	8	7	8	5	8	3	9	4	18	6	16	5	16	4	17	3	17	4	17	2	17	6	14	7	14	5	13	10	13	12	162	6.7	8	1.05
„ 23, ...	12	17	12	14	11	16	11	15	11	12	7	11	9	14	8	17	8	18	9	17	9	24	10	21	9	23	10	18	9	17	9	11	9	14	9	19	9	23	10	24	9	25	10	25	10	20	10	24	439	18.3	10	1.19
„ 24, ...	10	31	9	30	10	31	9	30	9	29	9	29	9	30	10	23	10	26	10	27	10	23	10	17	10	17	10	19	10	24	10	22	10	28	10	23	10	19	10	25	11	28	11	27	11	28	11	28	614	25.6	10	1.15
„ 25, ...	12	22	11	22	11	23	11	25	11	27	11	30	10	29	10	31	10	29	11	41	13	37	14	30	14	36	16	30	18	24	18	23	17	23	17	24	17	20	17	14	18	28	18	30	18	30	18	28	656	27.3	14	1.49
„ 26, ...	18	25	18	34	18	32	18	30	18	23	18	23	18	21	19	27	23	24	22	24	20	26	22	16	21	17	19	24	26	20	28	12	28	12	28	13	28	14	30	15	2	16	3	15	3	16	4	17	496	20.7	21	2.79
„ 27, ...	4	24	4	27	3	30	2	23	4	18	4	17	5	20	3	18	3	20	3	12	4	11	2	10	6	11	7	11	8	19	9	21	9	17	9	24	9	26	9	25	10	26	9	32	9	32	9	30	504	22 0	6	1.35
„ 28, ...	10	30	10	35	10	32	9	31	9	31	8	32	8	37	9	39	10	41	10	50	9	41	10	35	9	34	10	31	10	30	9	27	9	26	9	30	10	33	10	35	10	41	9	44	9	37	9	36	838	34.9	9	1.12
„ 29, ...	9	38	10	38	8	36	9	31	8	33	10	34	9	34	9	28	10	30	10	31	10	30	9	24	10	29	11	31	11	25	10	22	10	20	10	23	9	25	9	20	9	23	8	19	9	27	10	22	673	28.0	9	1.21
„ 30, ...	10	27	10	27	10	25	10	20	9	24	10	26	10	20	10	22	9	24	9	35	9	28	9	36	9	37	8	35	8	38	8	35	8	43	9	41	8	40	8	37	8	41	8	42	8	37	8	40	780	32.5	9	1.18
.....	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums, ...	...	709	...	73.0	...	739	...	705	...	682	...	690	...	713	...	699	...	680	...	636	...	628	...	588	...	572	...	549	...	556	..	562	...	605	...	646	...	656	...	670	...	707	...	696	...	722	...	713	15853	660.5	...	...
Means, ...	...	23.6	...	24.3	...	24.6	...	23.5	...	22.7	...	23.0	...	23.8	...	23.3	...	22.7	...	21.2	...	20.9	...	19.6	...	19.1	...	18.3	...	18.5	...	18.7	...	20.2	...	21.5	...	21.9	...	22.3	...	23.6	...	23.2	...	24.1	...	23 8	528.4	22.0	...	...
Proportion, Peak. / Observatory,	...	1.41	...	1.48	...	1.46	...	1.39	...	1.36	...	1.35	...	1.29	...	1.28	...	1.23	...	1.09	...	1.08	...	1.05	...	1.03	...	1.00	...	1.05	...	1.10	...	1.23	...	1.37	...	1.39	...	1.46	...	1.35	...	1.40	...	1.32	...	1.30	...	...	...	1.26

25th 8 p. to 26th 7 a., Values approximate; interpolated by aid of Observatory record.

DIRECTION AND VELOCITY OF THE WIND AT VICTORIA PEAK FOR THE MONTH OF DECEMBER, 1896.

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.		Vel.		Dir.	Proportion. Peak Ob'tory.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.	
Dec. 1, ...	8	38	8	42	7	39	8	43	7	40	7	46	7	47	7	38	7	39	7	41	8	41	8	35	8	35	8	36	8	31	8	32	9	38	9	37	9	32	9	39	9	41	9	37	9	37	9	38	922	38.4	8	1.22
,, 2, ...	9	43	10	37	9	35	9	33	9	34	8	24	9	33	8	28	9	24	8	28	8	25	9	25	9	24	9	18	8	16	6	13	4	17	3	22	3	23	3	31	3	30	3	27	3	22	3	24	636	26.5	7	1.58
,, 3, ...	3	21	2	21	2	24	1	29	1	24	3	24	2	30	3	30	3	36	2	34	2	22	2	23	1	19	2	22	2	21	2	23	2	23	3	26	3	23	3	24	3	23	3	25	1	21	1	19	587	24.5	2	2.27
,, 4, ...	2	20	32	20	3	22	3	21	2	20	2	20	3	16	3	20	2	16	4	16	1	20	2	21	3	30	2	28	1	29	32	33	32	26	32	28	1	32	2	38	2	36	3	37	2	43	2	44	636	26.5	2	1.75
,, 5, ...	2	47	1	44	2	49	2	50	2	54	3	52	2	54	2	50	2	50	3	44	1	25	1	19	31	27	32	24	2	25	2	24	32	25	32	26	1	30	1	26	2	29	2	26	2	25	5	19	844	35.2	2	1.44
,, 6, ...	5	15	5	15	5	12	3	14	6	14	5	13	6	16	5	14	6	15	5	15	7	18	7	14	7	10	7	4	7	4	8	3	3	8	3	13	2	17	1	16	1	9	2	12	3	12	2	10	293	12.2	4	1.52
,, 7, ...	2	11	2	9	3	12	3	14	2	13	3	14	3	18	4	9	4	9	5	9	5	5	3	5	3	5	32	5	31	5	31	3	2	8	3	15	2	21	2	25	2	26	2	30	3	25	3	23	319	13.3	3	2.20
,, 8, ...	3	19	5	15	6	16	6	14	5	13	6	18	5	15	6	15	6	19	7	22	8	17	8	14	9	15	9	13	9	9	7	10	6	14	2	18	3	17	5	14	5	13	4	9	6	10	6	11	350	14.6	6	1.52
,, 9, ...	6	16	7	17	7	21	7	25	7	26	8	30	8	27	8	21	9	23	9	23	8	27	8	27	9	22	9	19	8	19	9	22	9	24	9	21	9	20	8	22	8	21	8	21	8	27	8	24	545	22.7	8	1.21
,, 10, ...	9	28	8	28	8	29	8	28	8	26	8	26	8	24	8	26	8	21	9	18	9	19	10	17	9	11	9	11	9	10	9	12	9	10	9	10	9	10	9	8	9	13	10	20	10	17	10	17	439	18.3	9	1.17
,, 11, ...	10	18	10	21	10	21	10	23	10	23	10	22	10	20	10	12	10	21	11	18	10	18	11	22	11	22	10	23	11	21	11	17	10	19	10	20	9	19	10	20	10	20	10	26	10	18	10	17	481	20.0	10	1.40
,, 12, ...	10	15	10	18	9	20	10	21	10	24	9	25	10	25	9	29	9	20	10	16	10	17	10	13	10	13	10	11	11	11	11	16	11	21	9	13	9	12	9	10	9	10	6	13	3	16	3	16	405	16.9	9	0.94
,, 13, ...	2	14	2	16	2	18	3	19	3	21	3	18	3	14	4	17	3	8	5	10	4	16	4	8	3	9	2	5	3	8	2	12	2	15	2	14	2	21	3	23	3	16	6	15	7	18	7	22	547	14.5	3	1.58
,, 14, ...	7	23	7	29	8	23	7	27	7	28	8	30	8	36	8	32	8	29	7	29	8	25	7	25	9	22	8	22	8	24	7	24	8	28	8	24	9	30	9	32	9	27	9	28	9	30	10	29	656	27.3	8	1.50
,, 15, ...	9	30	10	25	9	25	9	28	10	30	9	29	8	26	9	27	9	20	9	17	9	14	9	11	9	8	11	8	11	5	11	7	10	8	7	7	6	8	32	9	32	9	32	9	32	9	32	9	378	15.7	8	1.04
,, 16, ...	32	9	32	9	32	9	32	9	32	9	1	13	2	18	2	18	2	12	2	9	5	7	6	6	7	5	12	6	13	5	13	4	13	4	12	12	11	15	11	21	11	22	10	21	10	18	10	15	276	11.5	7	2.05
,, 17, ...	10	18	10	22	10	23	10	24	10	28	10	31	10	30	10	33	9	28	10	29	10	23	10	23	10	17	11	17	10	17	10	18	10	24	10	21	10	20	11	17	10	21	11	22	10	22	9	26	554	23.1	10	1.04
,, 18, ...	9	28	9	30	9	32	10	30	9	27	9	32	10	33	10	32	10	32	9	27	10	27	10	23	10	23	10	24	11	22	10	22	10	28	10	29	10	26	10	32	11	32	10	23	10	24	10	20	658	27.4	10	1.21
,, 19, ...	11	17	10	20	10	19	11	19	11	20	10	22	10	24	10	23	10	25	10	25	10	22	11	20	11	23	12	32	12	27	12	24	12	21	12	22	12	20	12	15	12	14	12	16	12	14	12	16	500	20.8	11	1.26
,, 20, ...	12	14	12	15	12	14	12	15	12	14	11	13	10	14	11	12	10	10	10	8	10	7	10	6	11	4	10	6	11	6	10	6	9	8	9	7	9	12	10	13	9	15	9	14	9	9	7	9	251	10.5	10	0.82
,, 21, ...	4	10	29	20	29	24	29	27	29	18	30	16	30	21	31	16	30	16	30	22	29	23	1	17	32	19	31	22	31	26	32	29	32	24	32	18	32	16	1	20	1	21	1	24	32	25	1	28	502	20.9	31	1.80
,, 22, ...	1	29	3	26	1	29	1	28	3	28	2	26	3	23	1	23	2	28	31	45	31	35	32	30	32	24	32	28	1	30	1	33	3	36	2	41	2	46	2	39	3	41	2	41	2	42	2	34	785	32.7	2	1.87
,, 23, ...	3	35	1	34	2	28	2	25	1	23	2	27	4	31	4	34	4	27	5	18	5	10	5	8	5	8	5	6	12	7	13	5	13	8	12	10	12	11	11	11	11	10	11	13	10	17	7	24	430	17.9	5	1.90
,, 24, ...	7	29	7	28	7	23	7	23	7	22	7	23	8	22	8	19	8	15	8	9	11	6	11	5	11	5	12	5	11	8	10	9	10	12	10	11	9	11	9	18	9	21	9	24	9	18	9	20	386	16.1	8	1.84
,, 25, ...	9	18	9	11	9	14	9	17	9	20	9	23	8	26	8	26	8	23	7	20	9	18	9	18	9	15	10	18	9	20	9	23	10	26	9	27	9	29	9	34	9	40	8	35	8	33	9	37	571	23.8	9	1.21
,, 26, ...	9	31	8	29	9	25	9	23	9	34	8	29	8	32	8	32	7	31	8	28	8	24	8	22	9	16	9	11	9	11	9	14	10	16	11	11	2	13	1	9	32	14	31	10	30	15	30	23	503	21.0	7	1.09
,, 27, ...	29	27	29	30	30	30	31	24	2	16	5	14	1	19	1	17	32	15	30	23	30	18	29	19	30	17	30	17	31	10	29	23	27	31	29	29	30	26	29	22	30	21	29	23	30	21	29	19	511	21.3	30	2.84
,, 28, ...	30	14	2	13	32	10	2	11	1	10	3	9	3	7	2	7	32	6	3	12	6	9	7	6	7	4	7	3	7	3	8	3	8	3	8	4	10	9	11	16	12	20	12	20	13	14	13	21	234	9.8	7	1.90
,, 29, ...	13	20	13	16	13	20	13	16	10	11	10	17	9	16	9	16	9	11	9	10	9	14	9	8	9	9	9	6	9	7	9	9	6	9	4	19	3	23	2	25	4	21	4	20	5	17	4	18	358	14.9	8	1.13
,, 30, ...	3	17	2	18	3	18	2	16	5	24	6	25	8	16	7	18	7	21	8	22	8	25	8	22	9	24	9	23	8	31	9	28	8	29	8	23	9	29	9	41	8	35	9	40	9	41	9	39	625	26.0	8	1.34
,, 31, ...	9	37	9	36	8	37	9	39	9	37	9	41	9	43	9	41	9	45	9	39	9	31	9	26	9	26	10	24	9	24	9	26	9	27	9	21	8	26	8	24	8	26	7	22	8	16	7	16	730	30.4	9	1.17
Sums, ...	...	711	...	714	...	721	...	735	...	731	...	752	...	776	...	735	...	695	...	686	...	598	...	538	...	511	...	497	...	492	...	527	...	590	...	599	...	647	...	694	...	697	...	703	...	676	...	687	15712	654.7	...	...
Means.	...	22.9	...	23.0	...	23.3	...	23.7	...	23.6	...	24.3	...	25.0	...	23.7	...	22.4	...	22.1	...	19.3	...	17.4	...	16.5	...	16.0	...	15.9	...	17.0	...	19.0	...	19.3	...	20.9	...	22.4	...	22.5	...	22.7	...	21.8	...	22.2	506.8	21.1	...	...
Proportion, Peak. Observatory.	...	1.47	...	1.47	...	1.48	...	1.52	...	1.57	...	1.54	...	1.47	...	1.39	...	1.36	...	1.31	...	1.03	...	1.01	...	1.03	...	1.04	...	1.03	...	1.19	...	1.41	...	1.57	...	1.67	...	1.86	...	1.75	...	1.63	...	1.59	...	1.57	...	...	...	1.40

15th 8 p.—16th 5 a. inclusive, Velocity approximate.
19th 10 a.—20th 10 a. do. do.

JANUARY 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np-No.	E.	Ep-Eo.	S.	Sp-So.	W.	Wp-Wo.	+N-S.	+E-W.	Peak.	P-O.
1 a.	3.4	−0.7	18.7	+5.8	1.7	+1.3	0.4	+0.3	+1.7	+18.3	E 5° N	+11°
2	3.1	−0.5	18.7	+5.4	2.2	+1.9	0.4	+0.3	0.9	18.3	E 3° N	+11°
3	3.6	−0.5	18.7	+6.2	2.1	+1.9	0.3	+0.2	1.5	18.4	E 5° N	+12°
4	4.1	−0.6	18.1	+6.6	1.6	+1.4	0.4	+0.1	2.5	17.7	E 8° N	+14°
5	3.8	−0.6	17.5	+5.8	1.9	+1.5	0.4	+0.2	1.9	17.1	E 6° N	+13°
6	4.3	+0.4	17.6	+6.0	2.0	+1.7	0.1	+0.1	2.3	17.5	E 8° N	+ 9°
7	3.8	+0.8	16.8	+5.0	2.5	+2.2	0.0	−0.1	1.3	16.8	E 4° N	+ 9°
8	3.6	−0.2	16.8	+5.1	2.9	+2.4	0.0	−0.2	0.7	16.8	E 2° N	+14°
9	3.3	−0.3	15.3	+3.9	2.8	+1.9	0.3	+0.2	+0.5	15.0	E 2° N	+11°
10	2.5	−0.1	14.2	+2.2	2.7	+1.1	0.5	+0.4	−0.2	13.7	E 1° S	+ 6°
11	2.3	−0.3	13.7	+0.3	1.7	+0.6	0.9	+0.6	+0.6	12.8	E 3° N	+ 4°
Noon	2.0	+0.2	12.6	−1.1	2.3	+0.8	1.2	+0.5	−0.3	11.4	E 1° S	+ 2°
1 p.	2.4	+1.2	12.2	−2.0	2.2	+0.7	1.7	+1.0	+0.2	10.5	E 1° N	− 2°
2	2.5	+1.2	10.4	−3.9	2.8	+2.0	1.6	+0.8	−0.3	8.8	E 2° S	+ 4°
3	2.8	+1.0	10.4	−3.2	2.5	+1.1	1.6	+0.7	+0.3	8.8	E 2° N	0°
4	2.9	+1.3	11.0	−2.7	1.9	+0.2	1.6	+0.9	1.0	9.4	E 6° N	− 6°
5	3.4	+1.6	11.3	−2.3	2.2	+0.7	1.3	+0.6	1.2	10.0	E 7° N	− 6°
6	4.5	+2.0	13.7	+1.1	2.1	+1.1	1.1	+0.5	2.4	12.6	E 11° N	− 4°
7	4.4	+1.3	14.0	+2.3	2.1	+1.9	1.2	+0.6	2.3	12.8	E 10° N	+ 5°
8	4.2	+0.9	14.3	+2.5	1.6	+1.2	0.7	+0.6	2.6	13.6	E 11° N	+ 3°
9	4.4	+0.3	17.5	+5.3	1.7	+1.4	0.7	+0.6	2.7	16.8	E 9° N	+ 8°
10	3.9	−0.1	18.8	+6.7	1.6	+1.3	0.6	+0.6	2.3	18.2	E 7° N	+10°
11	3.7	−0.5	18.4	+5.5	1.5	+1.2	0.7	+0.5	2.2	17.7	E 7° N	+10°
Midt.	2.7	−1.6	19.0	+6.2	2.2	+1.8	0.5	+0.5	+0.5	+18.5	E 1° N	+16°
Means	3.4	+0.3	15.4	+2.8	2.1	+1.4	0.8	+0.5	+1.28	+14.65	E 5° N	+ 6°

FEBRUARY 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np-No.	E.	Ep-Eo.	S.	Sp-So.	W.	Wp-Wo.	+N-S.	+E-W.	Peak.	P-O.
1 a.	6.9	+1.2	16.3	+6.1	3.2	+2.8	0.2	−0.1	+3.7	+16.1	E 13° N	+15°
2	6.2	1.4	17.4	7.9	2.9	2.7	0.1	−0.1	3.3	17.3	E 11° N	15°
3	6.5	1.6	17.4	6.4	2.7	2.7	0.3	−0.1	3.8	17.1	E 12° N	13°
4	6.9	1.8	15.8	6.6	2.0	2.0	0.4	−0.3	4.9	15.4	E 18° N	13°
5	6.5	0.9	15.2	5.6	2.0	1.7	0.3	−0.1	4.5	14.9	E 17° N	13°
6	7.1	1.0	17.2	6.1	1.9	1.8	0.8	+0.1	5.2	16.4	E 18° N	12°
7	5.8	0.4	19.3	7.7	3.0	2.3	0.8	+0.2	2.8	18.5	E 9° N	14°
8	5.6	0.6	19.0	5.7	3.2	2.8	0.4	0.0	2.4	18.6	E 7° N	12°
9	7.4	2.1	16.4	4.7	2.7	2.7	0.3	−0.1	4.7	16.1	E 16° N	9°
10	5.5	0.6	15.8	4.1	2.2	2.0	0.4	+0.2	3.3	15.4	E 12° N	11°
11	5.5	0.8	16.0	4.6	2.5	2.1	0.7	−0.1	3.0	15.3	E 11° N	11°
Noon	5.4	0.8	15.1	4.3	2.5	2.2	1.2	+0.5	2.9	13.9	E 12° N	11°
1 p.	5.0	1.2	14.2	3.7	2.8	2.4	0.9	+0.1	2.2	13.3	E 9° N	10°
2	5.2	1.3	13.4	3.7	3.7	3.4	0.9	−0.1	1.5	12.5	E 7° N	15°
3	6.1	1.2	11.6	2.2	3.0	2.8	1.2	+0.2	3.1	10.4	E 17° N	12°
4	7.3	2.1	11.5	3.3	3.1	2.8	1.9	+1.0	4.2	9.6	E 23° N	10°
5	8.0	3.3	12.5	3.9	2.8	2.4	0.5	+0.1	5.2	12.0	E 23° N	5°
6	8.3	3.2	13.1	5.3	2.3	2.0	1.0	+0.6	6.0	12.1	E 27° N	6°
7	8.7	3.4	12.1	3.5	3.2	2.9	1.2	+0.5	5.5	10.9	E 27° N	5°
8	8.5	3.3	14.3	4.9	3.0	2.7	0.5	+0.2	5.5	13.8	E 22° N	7°
9	7.2	2.1	16.0	5.3	3.3	3.0	0.3	+0.2	3.9	15.7	E 14° N	10°
10	5.8	1.1	17.4	6.9	2.7	2.3	0.4	+0.2	3.1	17.0	E 10° N	13°
11	5.8	1.0	17.6	6.6	2.9	2.5	0.4	0.0	2.9	17.2	E 9° N	14°
Midt.	6.7	+1.4	15.9	+6.0	3.2	+2.8	0.6	+0.4	+3.5	+15.3	E 13° N	+14°
Means	6.6	+1.6	15.4	+5.2	2.8	+2.5	0.7	+0.2	+3.80	+14.78	E 14° N	+12°

MARCH 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np.-No.	E.	Ep.-Eo.	S.	Sp.-So.	W.	Wp.-Wo.	+N-S.	+E-W.	Peak.	P-O.
1 a.	3.7	+0.2	18.7	+1.6	6.7	+6.2	0.5	+0.5	−3.0	+18.2	E 9° S	+19°
2	4.0	+0.4	18.1	+1.7	6.5	+5.8	0.2	−0.1	2.5	17.9	E 8° S	18°
3	3.3	0.0	18.9	+1.3	7.4	+6.4	0.2	+0.2	4.1	18.7	E 12° S	20°
4	4.3	+0.9	18.5	+2.1	9.0	+8.2	0.3	+0.2	4.7	18.2	E 15° S	24°
5	3.4	+0.6	18.8	+2.5	7.8	+6.9	0.2	+0.1	4.4	18.6	E 13° S	20°
6	3.5	+0.3	19.4	+3.4	7.5	+6.8	0.0	−0.1	4.0	19.4	E 12° S	21°
7	2.6	+0.1	20.7	+4.1	7.2	+6.5	0.0	−0.3	4.6	20.7	E 12° S	18°
8	2.7	−0.8	19.0	+3.0	7.0	+6.3	0.8	+0.3	4.3	18.2	E 13° S	23°
9	2.7	−0.4	18.6	+2.7	6.3	+5.3	0.5	+0.2	3.6	18.1	E 11° S	18°
10	2.5	0.0	15.6	−0.4	5.8	+4.5	0.1	−0.2	3.3	15.5	E 12° S	16°
11	2.5	0.0	15.6	+0.7	5.7	+4.4	0.2	−0.1	3.2	15.4	E 12° S	17°
Noon	2.6	−0.2	14.7	−1.0	5.9	+5.2	0.1	−0.6	3.3	14.6	E 13° S	21°
1 p.	2.5	+0.7	14.2	−1.8	7.2	+6.4	0.6	−0.2	4.7	13.6	E 19° S	23°
2	3.4	+1.0	12.6	−2.7	6.2	+5.1	0.7	−0.4	2.8	11.9	E 13° S	18°
3	4.0	+1.3	11.7	−2.7	6.0	+5.2	0.5	−1.0	2.0	11.2	E 10° S	18°
4	4.3	+1.7	11.5	−2.2	6.5	+5.8	0.3	−0.9	2.2	11.2	E 11° S	20°
5	4.3	+0.9	12.4	−0.7	6.3	+5.5	0.3	−0.3	2.0	12.1	E 9° S	21°
6	3.8	+0.8	13.5	+0.6	5.5	+4.7	0.3	0.0	1.7	13.2	E 7° S	17°
7	3.6	+1.1	14.5	+0.6	5.9	+5.6	0.3	0.0	2.3	14.2	E 9° S	19°
8	4.3	+1.1	16.5	+1.3	6.9	+6.4	0.3	0.0	2.6	16.2	E 9° S	19°
9	3.8	+0.3	16.6	+0.8	6.5	+6.0	0.2	0.0	2.7	16.4	E 9° S	20°
10	3.4	+0.4	18.1	+3.7	6.2	+5.7	0.2	−0.4	2.8	17.9	E 9° S	19°
11	3.4	+0.5	19.0	+2.8	7.1	+6.4	0.3	+0.2	3.7	18.7	E 11° S	19°
Midt.	3.3	−0.4	19.3	+2.1	6.9	+6.1	0.4	+0.4	−3.6	+18.9	E 11° S	+21°
Means	3.4	+0.4	16.5	+1.0	6.7	+5.9	0.3	−0.1	−3.25	+16.21	E 11° S	+19°

APRIL 1896.

Hour.	Components (Miles per Hour.)										Direction.	
	N.	Np-No.	E.	Ep-Eo.	S.	Sp-So.	W.	Wp-Wo.	+N-S.	+E-W.	Peak.	P-O
1 a.	0.0	−2.1	16.5	+2.2	12.5	+11.4	0.8	+0.7	−12.5	+15.7	E 39° S	+43°
2	0.0	−2.8	16.5	+2.1	12.0	+11.2	0.3	+0.3	12.0	16.2	E 37° S	45°
3	0.0	−2.3	17.5	+2.4	11.9	+11.1	0.4	+0.3	11.9	17.1	E 35° S	41°
4	0.2	−3.0	17.6	+2.9	11.5	+10.4	0.3	+0.2	11.3	17.3	E 33° S	41°
5	0.0	−2.5	18.4	+2.6	11.1	+ 9.6	0.3	+0.1	11.1	18.1	E 31° S	35°
6	0.0	−3.0	17.9	+2.7	11.4	+ 9.9	0.4	+0.3	11.4	17.5	E 33° S	38°
7	0.0	−2.1	18.5	+2.5	11.1	+ 9.0	0.7	+0.5	11.1	17.8	E 32° S	32°
8	0.1	−2.3	17.4	+1.0	11.8	+ 9.1	0.7	+0.5	11.7	16.7	E 35° S	34°
9	0.4	−2.0	17.0	−0.7	11.6	+ 9.4	0.5	+0.3	11.2	16.5	E 34° S	35°
10	0.5	−1.6	16.1	−0.5	10.8	+ 8.5	0.2	0.0	10.3	15.9	E 33° S	32°
11	0.3	−1.5	14.9	−1.9	11.7	+ 9.6	0.3	0.0	11.4	14.6	E 38° S	37°
Noon	0.6	−1.7	15.0	−2.3	12.9	+10.7	0.4	−0.1	12.3	14.6	E 40° S	40°
1 p.	0.3	−1.7	14.7	−1.5	12.7	+ 9.7	0.6	+0.3	12.4	14.1	E 41° S	37°
2	0.3	−0.9	13.0	−2.8	12.9	+10.1	1.4	+1.1	12.6	11.6	E 47° S	41°
3	0.1	−1.3	12.4	−3.5	12.7	+ 9.3	0.8	+0.6	12.6	11.6	E 47° S	40°
4	0.0	−1.0	12.8	−2.9	14.3	+11.7	1.1	+0.9	14.3	11.7	E 51° S	45°
5	0.0	−1.3	13.6	−0.5	11.9	+ 8.7	0.7	+0.4	11.9	12.9	E 43° S	35°
6	0.0	−1.3	14.5	−0.1	14.5	+11.9	0.7	+0.4	14.5	13.8	E 46° S	41°
7	0.0	−1.3	16.1	+1.0	14.8	+12.7	1.1	+0.9	14.8	15.0	E 44° S	41°
8	0.1	−1.7	14.5	+0.5	13.2	+11.8	0.6	+0.5	13.1	13.9	E 43° S	45°
9	0.0	−1.9	15.5	+1.4	13.2	+11.9	1.2	+1.1	13.2	14.3	E 43° S	46°
10	0.0	−1.7	15.9	+1.1	13.9	+12.2	1.1	+1.0	13.9	14.8	E 43° S	43°
11	0.2	−2.4	16.7	−1.7	13.2	+11.9	0.7	+0.6	13.0	16.0	E 39° S	44°
Midt.	0.0	−2.7	17.4	−3.6	12.6	+11.2	0.9	+0.7	−12.6	+16.5	E 37° S	+42°
Means	0.1	−2.0	15.9	+0.5	12.5	+10.5	0.7	+0.5	−12.38	+15.17	E 39° S	+39°

MAY 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np-No.	E.	Ep-Eo.	S.	Sp-So.	W.	Wp-Wo.	+N-S.	+E-W.	Peak.	P-O.
1 a.	2.5	+0.7	13.7	+3.7	11.5	+8.4	2.3	+1.5	−9.0	+11.4	E 38° S	+30°
2	2.3	0.4	13.0	3.1	11.3	8.3	2.9	1.8	9.0	10.1	E 42° S	35°
3	2.8	0.9	12.4	2.5	11.0	7.8	2.5	1.6	8.2	9.9	E 39° S	31°
4	3.8	1.4	12.9	3.4	10.7	8.0	2.6	1.5	6.9	10.3	E 34° S	32°
5	3.1	1.4	13.1	3.7	10.4	7.2	2.9	2.2	7.3	10.2	E 36° S	26°
6	3.7	1.8	12.4	3.3	9.6	6.7	3.0	2.3	5.9	9.4	E 32° S	25°
7	2.8	0.9	13.2	3.4	9.5	6.5	2.5	1.6	6.7	10.7	E 32° S	25°
8	2.7	0.3	12.6	2.1	9.4	6.1	2.4	1.6	6.7	10.2	E 33° S	28°
9	2.8	0.5	11.9	0.6	8.7	5.3	2.3	1.1	5.9	9.6	E 31° S	25°
10	2 8	0.7	12.1	+0.6	8.7	4.8	2.1	+0.6	5.9	10.0	E 31° S	21°
11	2.2	0.5	10.7	−1.3	9.1	4.6	2.5	0.0	6.9	8.2	E 40° S	23°
Noon	1.9	0.7	10.4	1.0	10.0	5.1	1.8	−0.5	8.1	8.6	E 43° S	21°
1 p.	1.6	0.9	9.3	2.9	9.5	5.0	3.2	+0.7	7.9	6.1	E 52° S	31°
2	1.1	+0.3	8.6	4.0	10.0	5.1	2.6	0.4	8.9	6.0	E 56° S	35°
3	0.8	−0.1	8.0	5.2	9.7	4.2	2.6	0.4	8.9	5.4	E 59° S	36°
4	1.7	+0.4	9.2	3.3	9.8	4.4	3.3	1.5	8.1	5.9	E 54° S	33°
5	2.2	0.8	9.2	3.3	10.2	5.4	3.1	1.5	8.0	6.1	E 53° S	36°
6	2.6	0.3	9.9	1.2	10.4	5.8	2.4	1.0	7.8	7.5	E 46° S	33°
7	3.0	0.8	10.6	−1.0	11.9	7.9	2.6	1.4	8.9	8.0	E 48° S	38°
8	3.0	1.0	12.2	+1.0	11.8	8.2	2.0	0.9	8.8	10.2	E 41° S	32°
9	2.8	0.5	13.0	1.1	12.0	8.4	2.4	1.4	9.2	10.6	E 41° S	34°
10	2.5	0.6	13.2	2.6	11.3	8.0	2.8	1.9	8.8	10.4	E 40° S	32°
11	2.6	0.2	14.5	4.2	11.8	8.3	2.9	1.7	9.2	11.6	E 39° S	32°
Midt.	2.9	+1.1	14.0	+4.3	12.1	+8.8	2.7	+1.7	−9.2	+11.3	E 39° S	+30°
Means	2.5	+0.7	11.7	+0.7	10.4	+6.6	2.6	+1.2	−7.92	+9.07	E 41° S	+29°

JUNE 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np-No.	E.	Ep-Eo.	S.	Sp-So.	W.	Wp-Wo.	+N-S.	+E-W.	Peak.	P-O.
1 a.	0.0	−0.7	7.2	+1.1	16.1	+12.0	3.9	+2.7	−16.1	+3.3	S 11° E	+44°
2	0.0	0.7	6.8	1.0	17.5	13.6	3.3	1.1	17.5	3.5	S 11° E	37°
3	0.0	0.6	6.1	0.4	18.6	13.1	3.0	1.1	18.6	3.1	S 9° E	29°
4	0.0	0.4	5.5	+0.2	18.2	12.7	3.8	1.7	18.2	1.7	S 5° E	27°
5	0.0	0.4	4.8	0.0	16.9	12.3	4.3	1.8	16.9	+0.5	S 2° E	27°
6	0.1	0.5	4.2	−0.2	15.3	11.3	4.6	2.3	15.2	−0.4	S 1° W	33°
7	0.0	0.8	4.1	1.3	15.5	11.0	3.9	1.7	15.5	+0.2	S 1° E	40°
8	0.0	0.5	4.0	1.2	14.4	9.2	4.2	1.4	14.4	−0.2	S 1° W	28°
9	0.1	1.1	3.4	2.3	12.1	6.9	3.8	+0.9	12.0	−0.4	S 2° W	37°
10	0.1	0.4	3.5	2.7	12.4	7.4	2.1	−0.7	12.3	+1.4	S 7° E	30°
11	0.0	0.6	3.7	3.2	12.8	7.2	3.0	−0.3	12.8	+0.7	S 3° E	33°
Noon	0.0	0.5	3.7	4.2	14.3	8.8	3.6	+0.4	14.3	+0.1	S 1° E	42°
1 p.	0.0	0.4	3.7	3.9	15.7	8.2	4.0	1.1	15.7	−0.3	S 1° W	34°
2	0.4	−0.4	3.9	3.6	15.3	8.3	4.6	1.8	14.9	−0.7	S 3° W	40°
3	0.7	+0.2	4.6	2.3	15.8	8.9	4.2	1.0	15.1	+0.4	S 2° E	28°
4	0.4	−0.1	4.7	2.1	17.1	10.9	4.0	1.8	16.7	0.7	S 2° E	37°
5	0.4	0.6	5.1	0.9	15.9	9.9	4.0	1.3	15.5	1.1	S 4° E	29°
6	0.0	0.5	5.0	−0.8	16.4	10.9	3.2	1.1	16.4	1.8	S 6° E	30°
7	0.5	0.3	6.2	+0.8	15.2	10.7	2.7	1.0	14.7	3.5	S 13° E	32°
8	0.0	0.1	6.4	0.8	16.1	13.0	3.0	1.8	16.1	3.4	S 12° E	44°
9	0.0	0.4	6.9	0.5	15.4	12.5	2.7	1.8	15.4	4.2	S 15° E	50°
10	0.0	0.4	7.1	0.8	15.0	11.4	2.5	1.9	15.0	4.6	S 17° E	44°
11	0.0	0.4	7.3	1.4	15.4	11.7	3.1	2.0	15.4	4.2	S 15° E	40°
Midt.	0.0	−0.4	6.9	+1.2	16.1	+11.6	1.9	+1.0	−16.1	+5.0	S 17° E	+32°
Means	0.1	−0.5	5.2	−0.9	15.6	+10.6	3.5	+1.3	−15.45	+1.72	S 6° E	+35°

JULY 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np.-No.	E.	Ep.-Eo.	S.	Sp.-So.	W.	Wp.-Wo.	+N-S.	+E-W.	Peak.	P-O.
1 a.	1.4	+0.7	8.6	+1.8	17.6	+12.3	3.4	+2.3	−16.2	+5.2	S 17° E	+34°
2	1.4	+0.2	7.6	1.3	18.6	12.7	4.1	2.3	17.2	3.5	S 12° E	32°
3	1.3	0.0	6.9	1.0	18.0	12.3	3.7	1.9	16.7	3.2	S 11° E	32°
4	1.5	+0.7	6.5	0.7	17.6	11.7	3.9	2.2	16.1	2.6	S 9° E	30°
5	0.8	−0.2	7.6	1.6	15.9	11.3	3.6	2.2	15.1	4.0	S 15° E	36°
6	1.3	+0.5	7.1	0.8	15.5	11.2	3.5	2.3	14 2	3.6	S 14° E	43°
7	2.1	1.0	6.3	0.5	13.9	9.3	3.5	2.5	11.8	2.8	S 13° E	41°
8	2.3	0.8	6.1	0.6	12.1	7.7	2.4	1.1	9.8	3.7	S 21° E	35°
9	2.2	0.5	6.5	0.5	12.7	7.6	2.5	0.7	10.5	4.0	S 21° E	30°
10	2.0	+0.3	6.5	0.3	11.3	5.8	2.8	+0.9	9.3	3.7	S 21° E	28°
11	1.7	−0.3	7.3	0.8	11.2	5.4	2.9	0.0	9.5	4.4	S 25° E	19°
Noon	1.8	+0.3	8.3	0.8	11.9	6.1	2.2	−0.8	10.1	6.1	S 31° E	15°
1 p.	1.7	−0.3	8.1	+0.5	12.6	6.6	1.7	0.6	10.9	6.4	S 30° E	23°
2	1.8	+0.1	7.7	0.0	13.1	6.9	1.8	−0.1	11.3	5.9	S 28° E	24°
3	1.9	0.0	8.7	+1.7	13.3	7.0	2.4	+0.6	11.4	6.3	S 29° E	21°
4	1.9	−0.2	9.4	2.0	14.0	7.6	2.2	0.5	12.1	7.2	S 31° E	22°
5	1.9	0.2	9.7	1.9	14.4	8.3	2.3	1.2	12.5	7.4	S 31° E	28°
6	1.6	0.8	10.0	2.1	14.7	7.6	2.8	1.9	13.1	7.2	S 29° E	27°
7	1.1	1.7	11.9	3.4	15.3	9.6	1.5	0.1	14.2	10.4	S 36° E	32°
8	0.5	2.2	11.9	3.6	15.0	10.2	2.2	1.6	14.5	9.7	S 34° E	40°
9	1.0	−0.9	11.9	2.8	15.3	11.3	2.0	1.4	14.3	9.9	S 35° E	41°
10	1.2	+0.4	11.9	2.5	16.5	12.3	2.3	1.6	15.3	9.6	S 32° E	36°
11	1.1	0.2	9.9	1.5	18.7	13.4	3.0	1.9	17.6	6.9	S 21° E	38°
Midt.	1.2	+0.5	8.3	+0.9	18.4	+12.9	3.0	+1.9	−17.2	+5.3	S 17° E	+36°
Means	1.5	−0.1	8.5	+1.4	14.9	+9.5	2.7	+1.2	−13.37	+5.79	S 23° E	+32°

AUGUST 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np-No.	E.	Ep-Eo.	S.	Sp-So.	W.	Wp-Wo.	+N-S.	+E-W.	Peak.	P-O
1 a.	0.1	0.0	10.9	+3.2	11.3	+7.9	1.5	+1 1	−11.2	+9.4	S 40° E	+26°
2	0.2	+0.1	11.2	4.1	11.5	9.1	1.5	1.0	11.3	9.7	S 40° E	30°
3	0.5	0.2	10.7	3.4	11.8	9.2	1.9	1.2	11.3	8.8	S 38° E	33°
4	0.7	+0.6	10.1	3.3	11.6	9.1	1.8	1.2	10.9	8.3	S 37° E	32°
5	0.5	0.0	9.5	3.9	10.2	7.1	2.4	1.6	9.7	7.1	S 36° E	26°
6	0.9	+0.3	9.4	4.4	9.3	6.0	2.3	1.9	8.4	7.1	S 40° E	20°
7	1.2	0.5	8.7	3.2	8.1	5.6	1.6	1.1	6.9	7.1	S 46° E	24°
8	1.8	0.5	8.9	2.1	7.4	5.0	1.8	0.9	5.6	7.1	S 52° E	28°
9	1.9	+0.8	8.0	+0.2	6.7	3.8	1.5	0.5	4.8	6.5	S 53° E	22°
10	1.3	0.0	7.9	−0.4	5.8	2.4	2.2	+0.5	4.5	5.7	S 52° E	20°
11	1.5	−0.4	8.5	1.4	6.3	3.3	2.1	−0.5	4.8	6.4	S 53° E	28°
Noon	1.1	0.6	8.7	2.2	7.5	4.5	2.7	0.5	6.4	6.0	S 43° E	37°
1 p.	0.9	0.3	8.1	3.1	8.0	4.9	2.7	0.5	7.1	5.4	S 37° E	40°
2	0.5	0.5	7.7	2.7	9.1	5.8	2.6	−0.7	8.6	5.1	S 31° E	41°
3	0.8	0.2	7.5	3.1	8.7	4.2	2.8	+1.3	7.9	4.7	S 30° E	39°
4	0.5	0.8	8.4	1.3	10.3	6.0	2.3	1.0	9.8	6.1	S 32° E	38°
5	0.6	0.4	7.9	1.5	10.1	5.9	2.2	0.9	9.5	5.7	S 31° E	37°
6	0.6	0.5	7.4	−2.0	9.3	5.4	1.9	1.0	8.7	5.5	S 32° E	39°
7	0.6	0.4	8.4	+0.1	9.7	6.3	1.5	1.1	9.1	6 9	S 37° E	36°
8	0.5	0.4	9.7	1.0	9.3	6.3	0.9	0.8	8.8	8.8	S 45° E	31°
9	0.0	0.6	11.2	1.9	10.3	6.0	0.7	0.6	10.3	10.5	S 46° E	22°
10	0.0	0.5	11.0	2.7	10.5	7.7	0.9	0.8	10.5	10.1	S 44° E	30°
11	0.0	0.3	11.9	3.2	11.2	8.0	1.0	0.8	11.2	10.9	S 44° E	27°
Midt.	0.0	−0.1	11.8	+3.6	11.5	+7.7	1.4	+1.1	−11.5	+10.4	S 42° E	+23°
Means	0.7	−0.1	9.3	+0.9	9.4	+6.1	1.8	+0.7	−8.70	+7.48	S 40° E	+31°

SEPTEMBER 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np-No.	E.	Ep-Eo.	S.	Sp-So.	W.	Wp-Wo.	+N-S.	+E-W.	Peak.	P-O.
1 a.	0.4	−1.1	12.4	+2.4	7.4	+6.1	0.7	+0.7	−7.0	+11.7	E 31° S	+32°
2	0.4	1.3	12.1	2.6	7.9	6.2	0.8	0.8	7.5	11.3	E 33° S	33°
3	0.5	0.9	11.9	3.1	7.9	6.3	0.9	0.8	7.4	11.0	E 34° S	32°
4	0.7	1.2	11.1	2.8	6.7	5.9	1.4	1.3	6.0	9.7	E 32° S	39°
5	1.1	1.2	12.0	3.3	6.5	5.6	1.5	1.5	5.4	10.5	E 27° S	36°
6	1.1	1.0	11.2	2.8	6.5	5.2	1.1	1.0	5.4	10.1	E 29° S	35°
7	1.5	1.5	12.0	3.9	5.5	4.0	0.7	0.5	4.0	11.3	E 18° S	29°
8	1.5	2.4	11.8	2.4	5.7	4.1	0.7	0.5	4.2	11.1	E 21° S	35°
9	1.2	2.4	11.1	+1.3	5.6	3.5	0.7	0.2	4.4	10.4	E 23° S	33°
10	1.2	1.4	10.0	−0.3	5.0	2.0	1.0	+0.2	3.8	9.0	E 23° S	21°
11	1.2	0.7	10.5	+0.9	5.8	3.2	1.4	−0.1	4.6	9.1	E 27° S	22°
Noon	0.6	0.7	10.1	−0.5	5.9	4.0	1.4	0.8	5.3	8.7	E 31° S	27°
1 p.	0.6	1.5	10.0	0.7	6.3	3.7	1.5	−0.4	5.7	8.5	E 33° S	30°
2	0.3	1.5	9.4	1.8	7.1	4.2	1.5	0.0	6.8	7.9	E 41° S	34°
3	0.3	1.2	9.4	1.6	7.1	3.3	2.1	+1.3	6.8	7.3	E 43° S	31°
4	0.3	1.5	9.5	1.4	7.3	4.5	0.9	0.1	7.0	8.6	E 39° S	33°
5	0.2	0.7	10.0	−0.2	7.2	3.7	1.2	0.5	7.0	8.8	E 39° S	24°
6	0.5	1.3	11.3	+1.2	7.4	4.3	1.2	0.7	6.9	10.1	E 34° S	26°
7	0.2	1.3	11.6	2.7	7.4	5.2	0.8	0.5	7.2	10.8	E 34° S	29°
8	0.2	1.4	11.9	2.9	6.8	4.7	0.6	0.3	6.6	11.3	E 30° S	27°
9	0.3	0.8	12.4	2.9	7.1	5.3	0.7	0.5	6.8	11.7	E 30° S	26°
10	0.4	0.4	12.4	2.9	7.4	5.5	0.6	0.5	7.0	11.8	E 31° S	25°
11	0.5	1.0	12.3	3.5	7.2	5.7	0.5	0.4	6.7	11.8	E 30° S	30°
Midt.	0.5	−0.8	12.7	+3.9	7.6	+5.6	0.7	+0.7	−7.1	+12.0	E 31° S	+26°
Means	0.7	−1.2	11.2	+1.6	6.8	+4.7	1.0	+0.5	−6.11	+10.19	E 31° S	+30°

OCTOBER 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np-No.	E.	Ep-Eo.	S.	Sp-So.	W.	Wp-Wo.	+N-S.	+E-W.	Peak.	P-O.
1 a.	6.7	+0.7	15.0	+5.6	5.1	+3.2	0.3	+0.1	+1.6	+14.7	E 6° N	+18°
2	6.9	+1.5	15.7	4.8	4.7	3.2	0.6	0.2	2.2	15.1	E 8° N	12°
3	6.2	−0.3	14.9	4.4	4.6	3.0	0.4	+0.1	1.6	14.5	E 6° N	20°
4	7.0	0.7	15.7	5.9	4.6	3.3	0.5	0.0	2.4	15.2	E 9° N	26°
5	6.6	0.6	15.2	5.2	4.5	3.3	0.6	0.0	2.1	14.6	E 8° N	25°
6	6.6	−0.1	15.3	6.2	3.7	2.2	1.2	+0.5	2.9	14.1	E 12° N	20°
7	7.5	+0.4	15.0	5.5	4.2	3.1	0.9	0.0	3.3	14.1	E 13° N	22°
8	7.5	−0.2	14.6	4.5	3.8	2.7	0.8	+0.1	3.7	13.8	E 15° N	20°
9	7.0	0.0	14.8	3.5	3.8	2.6	0.9	−0.2	3.2	13.9	E 13° N	17°
10	5.7	−0.3	13.9	1.7	3.1	1.6	0.9	0.2	2.6	13.0	E 12° N	10°
11	5.0	−0.6	14.4	1.1	3.0	1.6	1.4	−0.4	2.0	13.0	E 9° N	11°
Noon	5.0	0.0	13.3	0.4	3.4	1.7	1.8	+0.2	1.6	11.5	E 8° N	+ 8°
1 p.	5.5	+1.9	12.9	+0.9	3.4	0.8	1.8	0.1	2.1	11.1	E 11° N	− 6°
2	5.5	1.5	11.0	−0.5	4.0	1.1	2.2	0.9	1.5	8.8	E 10° N	4°
3	5.9	1.7	11.0	+0.5	3.3	0.2	2.2	0.6	2.6	8.8	E 17° N	10°
4	5.5	2.0	11.0	0.6	4.9	1.8	2.4	0.6	0.6	8.6	E 4° N	1°
5	5.3	2.7	12.1	1.7	5.0	1.7	2.1	0.6	0.3	10.0	E 1° N	5°
6	7.0	2.9	12.3	2.4	4.8	2.0	1.5	0.4	2.2	10.8	E 11° N	3°
7	7.5	3.7	13.2	3.5	5.0	2.6	1.7	1.0	2.5	11.5	E 12° N	− 3°
8	7.1	3.1	13.4	4.0	5.2	2.7	1.1	0.4	1.9	12.3	E 9° N	+ 1°
9	7.1	2.5	15.2	5.6	5.3	3.2	1.3	0.7	1.8	13.9	E 7° N	9°
10	6.7	1.7	14.2	4.9	5.5	3.5	0.7	+0.2	1.2	13.5	E 5° N	13°
11	7.2	1.5	14.7	5.9	5.6	3.7	0.2	−0.1	1.6	14.5	E 6° N	19°
Midt.	7.3	+1.7	14.5	+5.6	5.1	+2.8	0.5	0.0	+2.2	+14.0	E 9° N	+13°
Means	6.5	+1.1	13.9	+3.5	4.4	+2.4	1.2	+0.3	+2.07	+12.72	E 9° N	+11°

NOVEMBER 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np.-No.	E.	Ep.-Eo.	S.	Sp.-So.	W.	Wp.-Wo.	+N-S.	+E-W.	Peak.	P-O.
1 a.	3.2	−1.2	20.0	+5.3	4.7	+4.1	0.3	−0.1	−1.5	+19.7	E 4° S	+19°
2	3.4	1.5	20.4	6.3	5.0	4.6	0.4	0.0	1.6	20.0	E 5° S	23°
3	3.3	1.8	20.9	6.2	4.1	3.8	0.6	+0.1	0.8	20.3	E 2° S	21°
4	3.5	1.9	20.0	5.7	4.0	3.3	0.7	+0.2	−0.5	19.3	E 2° S	21°
5	2.9	2.3	20.1	5.6	2.9	2.7	0.4	−0.1	0.0	19.7	E	20°
6	2.4	2.6	20.4	5.2	4.0	3.8	0.4	0.0	−1.6	20.0	E 5° S	23°
7	2.6	3.3	21.2	5.0	3.5	3.4	0.3	−0.1	0.9	20.9	E 2° S	22°
8	2.8	4.0	20.9	5.2	3.6	3.5	0.5	+0.2	0.8	20.4	E 2° S	25°
9	2.2	3.4	20.2	3.9	3.4	3.3	0.8	0.6	1.2	19.4	E 4° S	23°
10	1.7	2.2	18.7	0.8	4.1	3.9	0.7	0.1	2.4	18.0	E 8° S	20°
11	1.5	2.6	18.0	+0.2	4.0	2.8	0.8	0.6	2.5	17.2	E 8° S	17°
Noon	2.0	1.4	16.7	−0.2	3.6	2.1	0.9	0.4	1.6	15.8	E 6° S	13°
1 p.	1.7	1.2	16.0	0.9	3.4	2.1	1.0	0.4	1.7	15.0	E 6° S	11°
2	1.3	1.9	14.6	2.0	4.2	2.7	1.1	0.4	2.9	13.5	E 12° S	18°
3	1.6	1.7	15.2	0.9	3.3	2.1	1.5	1.0	1.7	13.7	E 7° S	15°
4	2.0	0.0	15.4	−0.6	3.4	2.2	1.3	0.9	1.4	14.1	E 5° S	8°
5	2.0	0.8	16.7	+1.6	3.8	3.3	1.1	0.7	1.8	15.6	E 7° S	16°
6	2.6	0.9	17.6	3.4	4.0	3.5	1.2	0.7	1.4	16.4	E 5° S	17°
7	2.8	0.7	18.0	4.0	3.7	3.2	1.4	0.9	0.9	16.6	E 3° S	15°
8	3.4	0.3	18.2	4.8	4.1	3.6	1.3	1.0	0.7	16.9	E 2° S	16°
9	2.9	1.9	19.5	4.8	4.6	3.8	1.2	0.7	1.7	18.3	E 6° S	22°
10	3.0	1.4	19.4	5.1	4.0	3.4	0.8	0.5	1.0	18.6	E 3° S	18°
11	3.0	1.2	20.1	3.9	4.5	3.9	0.5	0.2	1.5	19.6	E 4° S	17°
Midt.	2.9	−1.1	20.1	+3.8	4.6	+3.9	0.5	+0.1	−1.7	+19.6	E 5° S	+17°
Means	2.5	−1.7	18.7	+3.2	3.9	+3.3	0.8	+0.4	−1.41	+17.86	E 5° S	+18°

DECEMBER 1896.

Hour.	Components (Miles per Hour).										Direction.	
	N.	Np-No.	E.	Ep-Eo.	S.	Sp-So.	W.	Wp-Wo.	+N-S.	+E-W.	Peak.	P-O
1 a.	8.5	+2.2	16.4	+5.1	3.1	+2.6	0.6	+0.3	+5.4	+15.8	E 19° N	+ 9°
2	8.7	2.1	15.5	4.8	3.0	2.6	0.9	0.2	5.7	14.6	E 21° N	11°
3	8.9	2.1	16.2	5.5	2.6	2.3	0.8	0.4	6.3	15.4	E 22° N	11°
4	9.0	2.1	16.4	5.8	3.2	3.0	0.6	0.1	5.8	15.8	E 20° N	14°
5	8.5	2.0	17.5	6.2	3.1	2.8	0.3	0.3	5.4	17.2	E 17° N	12°
6	7.6	0.5	19.6	8.0	2.3	2.2	0.2	0.1	5.3	19.4	E 16° N	15°
7	7.8	0.8	19.8	7.0	2.4	2.3	0.3	+0.2	5.4	19.5	E 16° N	13°
8	7.5	0.7	18.8	5.8	2.2	1.9	0.1	0.0	5.3	18.7	E 16° N	11°
9	7.3	1.1	17.7	4.8	2.2	1.9	0.2	+0.1	5.1	17.5	E 16° N	+ 9°
10	7.5	2.7	16.6	+2.6	2.1	1.7	0.8	0.6	5.4	15.8	E 19° N	− 1°
11	5.1	+0.3	14.6	−1.2	2.1	1.2	0.9	+0.6	3.0	13.7	E 12° N	+ 2°
Noon	4.7	−0.3	13.2	0.6	2.4	1.6	0.4	0.0	2.3	12.8	E 10° N	8°
1 p.	4.8	+1.2	12.0	0.9	2.8	1.7	0.4	−0.1	2.0	11.6	E 10° N	2°
2	4.9	1.5	11.0	1.8	3.3	1.9	0.3	0.0	1.6	10.7	E 8° N	1°
3	4.8	0.7	11.1	1.3	2.9	1.4	0.3	−0.3	1.9	10.8	E 10° N	+ 2°
4	5.9	2.4	11.3	−0.4	2.9	1.7	0.5	+0.1	3.0	10.8	E 15° N	− 4°
5	6.2	1.4	13.0	+2.9	3.5	2.8	0.8	0.7	2.7	12.2	E 12° N	+10°
6	7.8	3.1	12.5	3.3	3.0	2.6	0.5	0.2	4.8	12.0	E 22° N	4°
7	9.1	3.8	13.6	4.8	2.9	2.3	0.3	0.2	6.2	13.3	E 25° N	4°
8	9.3	4.5	15.1	6.2	3.5	2.7	0.4	0.4	5.8	14.7	E 21° N	4°
9	8.7	2.6	15.8	7.2	3.5	3.1	0.3	0.1	5.2	15.5	E 19° N	15°
10	8.7	2.6	16.0	6.5	3.5	3.0	0.5	0.5	5.2	15.5	E 19° N	12°
11	8.6	2.7	14.9	5.4	2.9	2.4	0.5	0.2	5.7	14.4	E 21° N	10°
Midt.	8.6	+2.7	15.5	+5.4	3.1	+2.8	0.6	+0.1	+5.5	+14.9	E 20° N	+10°
Means	7.4	+1.9	15.2	+3.8	2.9	+2.3	0.5	+0.2	+4.58	+14.69	E 17° N	+ 7°

THE TYPHOONS OF 1896.

By W. Doberck, and F. G. Figg.

MAY.

On the 12th May at 10.30 a.—"There are indications of a depression to the SW of Luzon. Since yesterday a sharp fall of the barometer has taken place at Bolinao where pressure is now about 0.1 inch below the normal. On the SE Coast of China pressure has increased and ranges above the average to the extent of 0.1 inch at Hongkong and 0.2 inch at Shanghai. In the N. part of the China Sea strong NE winds will probably prevail. The depression in the North seems to be moving Eastward across the Sea of Japan." Forecast:—"fresh NE winds; fair."

On the 13th at 10.25 a.—"The depression off the SW coast of Luzon is either increasing in intensity or moving very slowly towards NW." At 11.10 a.—"During the past 24 hours a further decrease of pressure has occurred in Luzon and the barometer has also fallen on the S and SE coasts of China. At Shanghai the barometer has risen. At the latter station pressure is now greatly above, while in Luzon it is considerably below, the normal." Forecast:—"Strong NE breezes, accompanied by fine weather, are likely to prevail generally on the S and SE coasts of China; in the N. part of the China Sea, strong NE winds or gales."

On the 14th at 10.45 a.—"The depression seems to be lying yet to the WSW of Bolinao with apparently a very slow motion towards WNW." At 11.15 a.—"The barometer has varied but little at Bolinao since yesterday and remains still about 0.15 inch below the normal. On the China Coast pressure has given way slightly and now stands at the average in Hongkong, but over 0.2 inch in excess at Shanghai." Forecast:—"strong NE and E breezes will probably prevail on the S and SE coasts of China accompanied by fair weather; in the N. part of the China Sea, strong NE winds or gales."

On the 14th at 4.15 p.—Red South Cone hoisted. On the 15th at 10.30 a.—"The depression, becoming deeper, appears to be almost stationary to the W of Bolinao." At 11.20 a.—"A further fall of the barometer has taken place at Bolinao and pressure has also decreased on the China Coast, particularly in the N., and in Japan, at Nagasaki. Possibly another depression exists in the Pacific to the S. of SW of Japan." Forecast:—"fresh or strong breezes from NE in the Formosa Channel and moderate or fresh breezes from N at Hongkong, are likely to prevail, accompanied by fair weather; in the NE part of the China Sea, strong NE winds or gales."

On the 16th at 10.45 a.—"The depression, becoming still deeper, remains yet apparently stationary to the W of Bolinao." At 11.30 a.—"A moderate SE gale blows now at Bolinao with a fall of the barometer amounting to 0.1 inch since yesterday. Pressure continues to decrease on the S and SE coasts of China, and the barometer has also fallen at Shanghai and in Japan owing to a depression in the extreme N." Forecast:—"strong NE winds in the S part of the Formosa Channel and moderate or fresh N winds in Hongkong; in the China Sea, NE part, NE gales; NW part, strong N winds. The weather seems likely to become unsettled on the S coast of China during the next 24 hours."

On the 17th at 10.45 a.—"Typhoon centre near to and NW of Bolinao, seems slowly moving northwards at present." At 11.30 a.—"A terrific typhoon from S. blows now at Bolinao the barometer showing a heavy fall since yesterday. On the China Coast pressure has decreased generally and is below the normal to the extent of nearly 0.2 inch at Hongkong and rather less than 0.1 inch at Shanghai." Forecast:—"moderate or fresh N and NE winds on the S. coast of China with fine weather; very bad weather in the NE part of the China Sea."

On the 17th at 4.30 p.—"Typhoon centre N of Bolinao is recurving to the NE." At 7.40 p. Red South Cone lowered and Red Drum hoisted. On the 18th at 11.15 a.—"Typhoon near Bashee Channel apparently moving towards NNE. The barometer has risen nearly 0.5 inch at Bolinao since yesterday morning and fallen nearly 0.1 inch in the neighbourhood of Amoy." Forecast:—"moderate winds from NW to W, accompanied by fine weather, on the S coast of China; increasing NE and N winds probable about the N part of the Formosa Channel."

On the 19th at 10.0 a.—Red Drum lowered. At 11.25 a.—"The typhoon seems to have moved to the NE in the Pacific. The barometer has risen at Bolinao and on the S and SE coasts of China, and fallen in the Gulf of Tongking." Forecast:—"On the S coast of China, light or moderate S to E winds; fine."

On the 20th at 11.10 a.—"The typhoon appears to be approaching the SW coast of Japan. The barometer has fallen sharply at Nagasaki, risen elsewhere. Pressure conditions are now almost normal on the China Coast." Forecast:—"On S coast of China, light variable to moderate NE winds; fine."

The typhoon (I) indicated in the foregoing notices was preceded, during the early part of the month, by abnormally high pressure on the China coast and the prevalence of moderate to strong NE monsoon, the latter but slightly interrupted on two or three days by areas of low barometer traversing N China

moving in an Easterly direction. In the China Sea, between 20° and 10° Lat., moderate or light NE and E breezes were the prevailing winds until the 5th, when they became light and variable, and on the 7th we find light and moderate SW breezes had made their appearance in the South extending as far North as 15° Lat. These winds were, however, not maintained above 10° Lat. on the 9th, light variable winds prevailing off the Annam coast on this day, while moderate NE breezes still blew on the S coast of China. On the 10th light and moderate variable winds continued to prevail off the Annam coast, while moderate NE winds probably blew to the northward of 16° Lat. On this day a low pressure area was passing to the northward of Shanghai, while high pressure of 30.4 inches lay over E Japan. On the 11th the northern depression was near Wladivostock. The barometer (approximate mean of the day 30.14) at Shanghai had risen quickly in rear of this depression, but had fallen in Japan although pressure was still high (30.2) at Tokio. At Hongkong we have 29.98 and at Manila 29.80 the mercury falling rather decidedly at the latter station on this day. In the China Sea in 15° Lat. and between 112° and 117° Long. the barometer read 29.90 at noon, light NE breezes prevailing there; between 5° and 10° Lat. and 105° and 110° Long. light to moderate SW and W breezes were blowing, the barometer standing at about 29.92.

From the 9th to the 11th the belt of variables between the SW and NE winds seems to have been lying between 10° and 15° Lat. The centre of a typhoon is reported to have passed over Iloilo (10° 48′, 122° 35′) at 1 a. on the 11th, and it is very probable that the disturbance had been formed in this belt of variable winds which possibly extended across the China Sea and into the Pacific. At least the appearance of the depression seems to have been coincident with the northerly advance of the SW monsoon.

Observations made on board the steamships *Sungkiang* and *Esmeralda*, lying in Manila Bay show that light and variable breezes prevailed there on the 11th while the disturbance was passing some 200 miles to the southward. The S.S. *Memnon*, however, in 15° 13′, 116° 33′ at noon, and steering about S by E, had the barometer falling during the evening with the wind increasing to a fresh breeze from NNE.

Next morning, the 12th, this vessel ran across the path in front of the centre. They experienced a strong N backing to W gale accompanied by very heavy rain, lightning and a high confused sea, the barometer falling to 29.59 at 11 a. The centre was probably situated in 12° 00′, 118°30′ at noon. The weather was becoming squally with rain, the wind direction being NNW at a distance of from 350 to 500 miles to the W of this position; strong NE breezes prevailed in 19°, 114° and at Bolinao and Manila, light winds from E and SE.

On the 13th the centre was situated in 12° 30′, 117° 15′ at noon. It had moved towards WNW at a speed of about 3 miles per hour only. The *Memnon's* position had been little changed since the previous day and she continued to have a strong SW and SSW gale with terrific squalls and a very heavy sea at a distance of about 120 miles to the SSE of the centre. Oil bags were slung out fore and aft as the sea was sweeping all moveables from the decks. The barometer, 29.63, did not rise and from other observations it appears that the depression was becoming deeper. The *Esmeralda* and *Sungkiang* in Manila Bay, at a distance of about 230 miles to the ENE of the centre, experienced moderate and fresh E and SE breezes with rain and barometer 29.74. The bark *Bittern*, distant about 200 miles to the NW of the centre, had a strong N and NE gale with heavy rain squalls and high confused sea. Off the Annam coast fresh NNW breezes were experienced by several vessels at a distance of about 400 miles to the W of the centre, the barometer reading 29.81.

On the 14th the centre was in 13°, 116°¼ at Noon. Its direction towards WNW had been maintained, but it had only traversed a distance of some 65 miles during the past 24 hours. The observations indicate further development since the previous day. On board the *Memnon* the barometer had fallen slightly although the centre of the disturbance was now at a greater distance, and in Manila the barometer did not rise. The *Memnon*, distant about 160 miles to the SE of the centre had 29.61, SSW 7, orq. The *Esmeralda* and *Sungkiang* in Manila Bay and distant 270 miles to the ENE of the centre, now had barometer 29.75 with fresh and strong SE breezes and rain. On board the *Bittern*, distant 170 miles to the NW of the centre, the wind decreased to a strong NE breeze during the morning but rose again to a strong N gale in the evening. Hard rain squalls and a heavy cross sea prevailed. The brig *Kristina Nielsen* reports a moderate NNW gale, barometer 29.64, falling, at a distance of 180 miles to the W of the centre, and the ship *Harland*, distant 210 miles to the W by S of the centre, a strong NW gale. Off the Annam coast, at a distance of about 350 miles to the W of the centre, the barometer read 29.75 with moderate to strong NW breezes and high sea. On board the S.S. *Propontis* a bank of clouds stretching from N through E to SE was observed. The centre at the time bore ENE distant about 380 miles from the ship. At a distance of 360 miles to the NW by N of the centre, the S.S. *Catherine Apcar* had 29.77, NE 6, rq. with decreasing swell. The S.S. *Shantung*, distant about 600 miles to the SW of the centre, had 29.85 SSW 4.

The angle between the wind direction and the centre within 150 miles was 10 points, beyond (150-300 miles) 11 points. Bearing had hardly any influence.

It rained heavily within 200 miles, and it was showery between 200 miles and 350 miles from the centre. Lightning was seen in the Left (W) quadrant from 200 to 250 miles from the centre and not elsewhere.

It blew force 12 within 50 miles of the centre, on an average it blew force 9 at 150 miles from the centre, force 7 at 175 miles, and force 6 at 250 miles from the centre.

On the 15th at noon the centre was situated in 14°, 115°¾. It had traversed a distance of about 60 miles during the past 24 hours, its direction becoming more and more northerly. The barometer, 29.64, had fallen decidedly at Bolinao, the wind being now a fresh breeze from SE with rain. Pressure was also giving way on the China Coast and in W. Japan. We have Hongkong 29.84, Shanghai 30.03, Nagasaki 29.95 and Tokio 30.16.

A decisive decrease of pressure at Nagasaki seems to have been caused by another depression, which appears to have been moving to the NE to the S. of Japan on the 15th and 16th. With reference to this disturbance the S.S. *Malacca*, leaving Nagasaki for Manila on the morning of the 15th, had a moderate NE gale backing to NW at midnight in 29° 35′, 127° 53′, the barometer having fallen from 30.05 at 8 a. to 29.72 (lowest point) at 8 p. As regards the typhoon in the China Sea this low pressure area in the Pacific to the S. of Japan probably determined its change of direction and its subsequent recurvature to the NE.

The most important observations in the China Sea on this day were those made on board the steamships *Rosetta*, *Machew* and *Memnon* and on the sailing vessels *Bittern*, *Kristina Nielsen* and *Harland*. The *Bittern*, hove to, was nearest to the centre and at a distance of about 75 miles to the W by N. They had a whole gale from N at noon backing to NNW in the afternoon and to WNW early next morning with terrific rain squalls and high sea. The *Kristina Nielsen* was hove to at a distance of about 140 miles to the W by S of the centre. A strong NW gale backing to WNW next morning, was experienced. The barometer, 29.55, at noon remained practically steady. The *Harland*, hove to, reports a whole gale from NW throughout the day with terrific rain squalls and a bad cross sea, the main deck being under water. At noon this vessel was distant about 150 miles to the WSW of the centre. The steamship *Rosetta* was at a distance of about 180 miles to the NW by W of the centre. They had a fresh increasing gale from NW at noon (bar. 29.57) accompanied by heavy rain squalls and vivid lightning. They ran to the South but the barometer continued to fall. Late in the evening they steered their course to the northward again and had the wind changing to N by E still blowing a strong gale with almost steady barometer. The S.S. *Machew*, distant about 230 miles to the W of the centre at noon, had 29.68 and a fresh N to NNW gale with torrents of rain and a tremendous sea throughout the day. The *Memnon*, distant 250 miles to the SE by S of the centre, had 29.69, SSW 6, orq. In the NW quadrant strong breezes from NNE and NNW, accompanied by rain, were experienced by several vessels at a distance of about 350 miles from the centre, the barometer reading about 29.82. At a distance of about 500 miles to the SW of the centre the barometer read 29.81 and fresh WSW and W breezes prevailed.

On the 16th the centre was, at noon, situated in 15° 45′, 117° 00′. The disturbance had traversed a distance of about 140 miles and had completely recurved during the past 24 hours, its direction now being towards NE. Pressure had continued to give way in China and Japan and a sharp fall had taken place at Bolinao. We have Tokio 29.86, Nagasaki 29.79, Shanghai 29.90, Hongkong 29.78 and Bolinao 29.54. At the latter station strong SE breezes increasing to a gale prevailed with rain squalls. At sea the sailing vessels *Bittern*, *Kristina Nielsen* and *Harland* continued to experience fierce WNW to NW gales until the evening, when the wind began to decrease. They were all to the SW by W of the centre, being distant 150, 200 and 250 miles respectively. On board the *Kristina Nielsen* the barometer read 29.58 at noon and it was now rising. The *Machew* had 29.65 NW 8 to the W of the centre at a distance of 270 miles, the *Rosetta* 29.58, N 8, orq. at a distance of 220 miles to the WNW of the centre. This vessel was proceeding northward, the wind was decreasing and the barometer rising. The S.S. *Yuensang*, steering southward and distant 350 miles to the N by E of the centre at noon, had 29.68 NE 6 od, with high sea and S swell. The barometer was falling with increasing wind. The S.S. *Sungkiang* having left Manila for Hongkong on the evening of the 15th, encountered an increasing gale from SE with rapidly falling barometer on the morning of the 16th. At noon on this day they had 29.45, S/E 9, orq. The vessel was then about 140 miles E by S of the centre. At 7.40 a. the vessel's head had been turned to S. Strong breezes to fresh NNW gales blew in the W quadrant at 400 miles distance from the centre. The *Memnon*, 350 miles S of the centre, had 29.76, SW 3 or.

On the 17th the centre was, at noon, situated in 17°, 119°. It had moved about 140 miles towards NE by E since the previous day. Pressure had continued to give way over China and Japan and the extreme North. A depression of considerable depth was lying near Wladivostock where the barometer read 29.35. Tokio had 29.76, Nagasaki 29.79, Shanghai 29.79, Hongkong 29.68, Manila 29.65 and Bolinao 29.33. At Bolinao the wind increased to typhoon force from SE on the morning of this day, the lowest barometer reading 29.24 occurring at 7 a. Typhoon force was experienced until after 4 p., the direction gradually veering to WSW 10 at 6 p., the barometer having then risen to 29.55. The S.S. *Yuensang* was to the N of the centre. She was steering southward but as the barometer fell quickly with the wind NE 8, the vessel was steered to the N at 5.20 a. The lowest barometer reading, 29.24, occurred between 6 a. and 9 a. At noon they had 29.25, NE 10, orq, to the NW by N of the centre distant 70 miles. As the barometer (29.29) was rising at 2 p. they headed the vessel to the South again with the wind backing to N and NW. In this instance, as the observations made on board indicated that the disturbance was moving towards some point of East, the weather would

almost certainly have improved sooner had the vessel been steered to SW rather than S. They continued to experience a strong NW gale during the evening with quickly rising barometer. Mostly moderate NW breezes prevailed off the Annam coast. The *Machew* 270 miles W by S of the centre had 29.70, WNW 7, moderating. Fresh to strong NW breezes prevailed 300 miles to the SW of the centre, and the *Sungkiang* had 29.55, SW 8, or, at 150 miles distance to the South of the centre.

If we compare the weather experienced on board the *Yuensang* with that experienced at Bolinao we see that the strongest winds and steepest gradients were found to the S. of the centre, this being the right-hand semicircle as the disturbance was moving to the NE. The barometer was almost as low in Hongkong as at Manila, the former station being distant about 450 miles to the NW of the centre at noon, while the latter station was distant to the SE about 180 miles only.

On the 18th the centre was probably situated in about 20½°, 123½° at noon. It had continued to move towards NE but with greatly increased speed, the average for the 24 hours being at the rate of 14 miles per hour. The barometer had risen in Japan, fallen about the Formosa Channel, was almost steady at Hongkong and had risen much at Bolinao. We have Tokio 29 86, Nagasaki 29.85, Shanghai 29.81, Amoy 29.63, Hongkong 29.67 and Bolinao 29.73. Fresh NNE breezes with rain blew at Tamsui (N. Formosa); and at Anping (S. Formosa) from observations made and kindly furnished by Mr. A. W. Bain, we know that strong NE winds, amounting to a gale at times, blew on the morning of the 18th. the barometer having fallen during the past two or three days. The barometer rose and the wind subsided, however, during the evening. At Bolinao moderate W breezes blew on this day. The disturbance was encountered to the East of the Bashee Channel by the S.S. *Malacca*. This vessel was on a voyage from Nagasaki to Manila. On the evening of the 17th and morning of the 18th they had the barometer falling rapidly with moderate or fresh winds from SE. They had a high southerly swell and appearance of the weather was threatening. At 8 a. they stood to the Eastward, the barometer reading 29.37 with SSE 4 or. Later they steered N; the weather continued very squally with continuous rain. The following observations were made; noon 21° 25′, 123° 40′, 29.29 SE/S 4 rq; 1 p. 29.28 E/N 3 rq. 2 p. 29.28 N 3 rq; 3 p. 29.27 N/W 4 or; 4 p. 29.25 NNW 5 c, weather clearing somewhat, decreasing sea; 5 p. 29.27 NW/N 5 c; 6 p. 29.28 NW 6, wind increasing; 8 p. 29.34 NW/W 8 o, proceeded on course WSW, full speed; 10 p. 29.44 NW 8; midt. 29.49 NW/W 8 oq; 19th 2 a. 29.52 W 9 oq; 8 a. 29.59, W/S 7, o; noon 20° 35′ 122° 04′, 29.67 W/N 7 decreasing, fine. These observations show that the vessel passed round the northern and western edge of the central area of a typhoon on the afternoon of the 18th and that this central area was at the time a large one in which only moderate breezes blew. The following remark appears in the ship's log: – "On determining the position of the ship at noon on the 20th the ship was found to have been set to the northward 25 miles although during the last 16 hours of NW and W wind her leeway had been 1½ knots per hour."

On the 19th the centre was situated in 25° 30′, 129° 0′. It had just passed between the ships *Governor Robie* and *Helen Brewer*. The barometer was rising on the SE coast of China and falling at Nagasaki We have Tokio 29.92, Nagasaki 29.77, Shanghai 29.82, Amoy 29.75, Hongkong 29.77 and Bolinao 29.79. At Tamsui the wind had backed to NNW of force 3.

On the 20th the barometer had again fallen at Nagasaki but had risen considerably at Tokio and in S China. We have Tokio 30.11, Nagasaki 29.70, Shanghai 29.87, Amoy 29.83, Hongkong 29.84 and Bolinao 29.83. At Nagasaki strong N breezes prevailed; gradients were generally steep over Japan and bad weather prevailed on the coast. The centre was situated in about 30°, 131° at noon.

On the 21st the centre was in 32°, 131° at noon, and on the 22nd it spread to the ENE as an elongated area of slightly low barometer.

JUNE.

On the 1st June at 11.25 a. "Probably a depression exists, or is in course of formation, in the Pacific to the Eastward of Luzon."

The wind circulation at Bolinao together with a slight fall of the barometer on the 1st and 2nd indicated the existence of low pressure in the Pacific. Observations made on board the bark *Velocity* and the S.S. *Gerda* navigating between N Formosa and the Loo Choo islands on the 2nd show that a depression (II), moving northwards, existed probably in about 21°, 128° on this day. The *Velocity* experienced a NE by N gale, slowly backing to NNW in the evening and moderating early next morning. The disturbance appears to have been already recurving. On the morning of the 3rd the *Gerda* in 28° 44′, 127° 53′ had a moderate NNE gale backing with the barometer falling until 8 a, while the ship *Isaac Reed* experienced an increasing E and ENE gale in 31° 58′, 135° 34′. Subsequently between 2 a. and 4 a. of the 4th this vessel experienced a typhoon from E and ENE to SW, but the wind quickly veered to NNW and decreased to force 6 from N at noon in 29° 55′, 135° 55′. The centre was probably situated near 26½°, 130°, at noon on the 3rd and in about 40½°, 138° at noon on the 4th.

On the 6th June at 10.35 a., "A depression exists to the E. of Luzon." At 11.15 a., "Since yesterday the barometer has fallen rapidly in Luzon and the depression is probably advancing in a Westerly direction at present. High pressure still covers Japan but a quick fall of the barometer has

taken place on the East Coast of China, probably owing to a depression over North China." Forecast:—"moderate E. winds; squally and showery. Increasing NE winds in the N. part of the China Sea."

On the 7th at 10.45 a., "Depression WSW of Bolinao probably moving rather quickly towards WNW." Red South Cone hoisted. At 11.20 a., "The depression crossed S. Luzon yesterday and entered the China Sea. Strong SE winds were experienced at Bolinao last night. The barometer is now rising at that station but is falling on the China Coast and in W. Japan. The depression in N. China seems to be moving towards East." Forecast:—"moderate NE and E winds, probably increasing considerably; unsettled, squally and showery. Strong N to E winds in the N. part of the China Sea."

On the 7th at 6.15 p. Black South Cone hoisted. "The depression, about 300 miles to the SSE of Hongkong, appears to be moving towards NW at present." On the 8th at 10.45 a., "The area comprised by strong winds in the depression to the S. of Hongkong, appears to be small at present." At 11.15 a., "The barometer has continued to fall quickly on the S. and SE coasts of China, but has risen at Shanghai in rear of the depression in the North. At Bolinao there is little change. Pressure now exceeds the normal by about 0.05 inch at Shanghai, but is in defect to the extent of about 0.1 inch at Hongkong and Bolinao. Gradients for NE winds are becoming steeper on the China Coast." Forecast:—"moderate NE winds, freshening; unsettled, showery and squally."

On the 9th at 6.0 a. Black South Cone lowered. At 11.15 a., "There are no longer any indications of a cyclonic depression to the Southward of Hongkong. The barometer has fallen on the SE coast of China but is almost steady in Hongkong. Pressure continues considerably below the normal along the S. and SE. coasts and, apparently, in the N. part of the China Sea." Forecast:—"moderate SW winds; unsettled, thunderstorms probable."

The depression (III) indicated above made its appearance very suddenly, conditions as to pressure being normal on the 5th both at Bolinao and Manila. The barometer however was, and had been for the two or three previous days, high over Japan and the East coast of China. The following readings, which are the mean of the observations telegraphed to this Observatory in the morning and afternoon, show the pressure conditions prevailing on the 5th; Tokio 30.16, Nagasaki 30.13, Shanghai 30.06, Hongkong 29.93, Manila 29.86. Pressure on the 5th was thus normal at the latter station; and above the average, in Hongkong about 0.1 inch, at Shanghai 0.25 inch and in Japan about 0.3 inch. The distribution of pressure thus favoured the prevalence of NE and E winds over the Pacific area and along the China coast. On the Western side of the China Sea the marine data show that winds were generally light and variable between lat. 20° and the Equator and therefore that SW monsoon did not prevail in the SW part of the Sea; but in the SE part we have no information. On board the S.S. *Sungkiang*, lying in Manila Bay, gentle W and WSW breezes were experienced and the ship *Conqueror* had moderate ENE breezes with barometer 29.94 at noon, in 17° 52′, 126° 04′.

Between the evening of the 5th and the morning of the 6th the barometer fell rapidly at Manila and at 10 a. on the latter date read 29.73, *i.e.*, a fall of nearly 0.2 inch during the past 24 hours. According to observations made on board the *Sungkiang*, lying in that port, moderate NW breezes, accompanied by heavy rain, were experienced during the morning, veering to E by N force 6 at 2 p. The lowest barometer reading, 29.60, was made at 3 p. with the wind at E by S force 6 and still veering. These observations indicate that the centre passed at a short distance to the South of the port near 2 p. moving in a WNW direction.

Pressure remained high over Japan on the 6th, but was giving way on the China coast particularly at Shanghai. We have Tokio 30.18, Nagasaki 30.11, Shanghai 29.89 and Hongkong 29.90. Winds were still light and variable on the Western side of the China Sea and the S.S. *Yuensang* off the W coast of Luzon, steering for Manila, had only light breezes from NE by E with sky partially clouded during the morning; but the barometer was falling rather quickly. At noon in 15° 53′, 119° 43′ the barometer read 29.66 and calm prevailed with gloomy weather. Subsequently the centre passed over the ship. At 4 p. the barometer read 29.55 with NE 4, but the mercury then descended rapidly reaching its lowest point, 29.25, at 6.20 p., the wind being at this time a fresh gale from NE accompanied by rain squalls. The barometer then commenced to rise with only light airs, at first from E and afterwards from S, until after 6.45 p. The sky remained overcast, rain was falling and the sea, which had hitherto been moderate, was rapidly getting worse during the interval of calm. At 7 p. the wind came again from the W, a strong gale, which increased to a storm from SW at 8 p., the barometer having in the meantime risen quickly to 29.54. The wind backed to SSW and S by W but continued to blow a fierce gale until after midnight when it decreased slowly with the direction backing towards S. From 6 p. until midnight the vessel was steered westward at a speed of 6 miles per hour, the course being then altered to SSW and afterwards to E. This manœuvre between 6 p. and midnight was, of course, calculated to keep the vessel near the centre, but as she was close to the coast it was necessary to get an offing and could not be avoided. It will be observed that the winds experienced on board the *Yuensang* were comparatively light to the N. of the centre; but this was probably due, in part at least, to the shelter afforded by the coast.

On the 7th the high pressure still covered E. Japan but the barometer had fallen much in W. Japan and on the China coast, while it had risen rapidly in Luzon—We have Tokio 30.22, Nagasaki 29.93, Shanghai 29.74, Hongkong 29.77 and Manila 29.86. The decrease of pressure in the North

was caused by a low pressure area traversing N. China. Around the China Sea winds were as follows:—light or gentle breezes chiefly from an E direction along the S. coast of China, light SE and S breezes at Bolinao, and light or moderate S and SW breezes off the Annam and Cochin China coasts, the barometer reading about 29.85 in 10°, 110°. The S.S. *Esmeralda* was nearest to the centre which may have been situated at noon in about 17°, 115½°. This vessel was in 19° 26′, 116° 48′ at noon, steering for Hongkong She was thus some 150 miles to the NNE of the centre at noon when the barometer read 29.70, inclined to fall, the wind being a fresh E breeze backing to NE accompanied by overcast sky and confused sea. The ship *Savona*, distant 250 miles to the SW of the centre, had a moderate WSW breeze, and the captain of the ship *Conqueror* reports a moderate SSE breeze at about the same distance to the NE by E of the centre, the barometer reading 29.74. On board this vessel, which was steering towards Hongkong, the wind rose to a fresh gale from ESE during the evening, the barometer falling to 29.68. Generally the observations indicate that the disturbance had commenced to move in a N direction during the evening of this day.

On the 8th the northern depression was situated in the N part of the Sea of Japan. The barometer had fallen much in Japan but was rising at Shanghai. On the S and SE coasts of China pressure had decreased quickly and the barometer was also inclined to fall again at Bolinao. Light airs and breezes chiefly from S prevailed at this station. Except at Swatow, where a moderate E breeze blew at midday, winds were light chiefly from an E and S direction between Hongkong and Foochow, but a report kindly furnished by Mr. A. W. BAIN shows that strong S winds blew at Anping (S. Formosa) during the day with a tremendous sea on the bar. From observations made on board the ship *Conqueror* and the S.S. *Oanfa* we see that the centre of the depression was probably situated near the position 20°, 117°½ at noon. The former vessel was situated in 19° 31′, 115° 51′, at this hour. During the morning hours they had experienced a strong E backing to NE gale with very heavy sea and hard rain squalls. The barometer read 29.52 at 3 a. Towards 8 a. the wind had backed to NW and the weather cleared up, the barometer having risen to 29.64 at noon. At 4 p. the wind was from W of force 4. The *Oanfa* steering SSW and in 21° 12′, 116° 13′ at noon, barometer 29.69, had moderate breezes from ESE at 8 a., from NE at noon and from W at 4 p. The weather was squally and a rough S swell was felt at 8 a. Moderate S and SW breezes blew off the Annam and Cochin China coasts, the barometer reading 29.81 in 14°, 110°.

These observations show that the depression had completely recurved between the 7th and 8th and also indicate that the area of strong winds was exceedingly small. The depression would seem to have moved towards S. Formosa. At Anping the wind changed to NE during the evening, and Mr. BAIN's observations show that the barometer fell 0.1 inch between 8 p. and midnight. The S.S. *Kalgan*, which had left Anping at midday for shelter at the Pescadores, experienced a NNW veering to NE gale at Makung harbour with lowest barometer near 2 a. of the 9th.

The observations, however, are insufficient to say whether the disturbance passed out into the Pacific by S. Formosa or whether it became diffused and existed next day, the 9th, as a diffused disturbance lying about the S. entrance to the Formosa Channel. On the 9th the barometer remained low along the S coast of China and in the Formosa Channel, winds being moderate from SW in the neighbourhood of Hongkong and from E at the Channel stations and the weather generally squally with thunderstorms.

On the 25th at 11.30 a., "A well-marked fall of the barometer has occurred in Luzon and a slight fall on the China Coast. Pressure is now rather above the normal at Shanghai and about 0.1 inch in defect in Luzon and, apparently, over the middle part of the China Sea." Forecast:—"light or moderate SE winds; squally with thunder showers."

On the 26th at 11.25 a., "Pressure remains somewhat low over the middle part of the China Sea, with scarcely any change in the height of the barometer either in Luzon or on the S. coast of China." Forecast:—"light or moderate SE winds; squally and showery."

On the 27th at 11.20 a., "The barometer has risen on the China Coast and at Bolinao, but at Haiphong there is no change. Pressure appears to be low near S. Hainan." Forecast:—"fresh to moderate SE winds; squally and showery to fair."

On the 27th at 4.50 p. "Bad weather prevails between Annam and Hainan." On the 28th at 11 25 a. "The barometer has risen around the China Sea, fallen at Shanghai. Pressure, however, is still low about the S. part of the Tongking Gulf." Forecast:—"fresh or moderate SE to S winds; squally and showery, but fine at intervals. Strong SW and S winds off the Annam and Hainan coasts."

The slightly low pressure indicated in the foregoing remarks existed on the 25th as a trough between SW and NE winds lying across the China Sea in about 14°½ Lat. On the 26th the trough was in a somewhat higher latitude, viz., 15°½. On the 27th pressure had increased on the China coast and in Luzon, the lowest pressure extending from the Paracels into Tongking. The isobars were now closed on the Eastern side of this low pressure and two or three vessels experienced strong breezes to fresh gales from SE off the coast of Hainan, fresh SW winds prevailing off the Annam coast. On the 28th pressure had increased at Haiphong, although it seems to have been still somewhat defective in southern Tongking, but on the 29th conditions were again normal. The high pressure area to the E of Formosa had spread Westward during these days.

JULY.

On the 5th July at 11.30 a. "The barometer has risen in the Gulf of Tongking, fallen decidedly in Luzon. Pressure is now in defect, about 0.1 inch in the latter district, while it is above the normal, almost the same amount, on the SE coast of China. Probably pressure is low in the Pacific to the E of Luzon." Forecast:—"light or moderate SE and E winds; mostly fair, but showers at intervals."

On the 6th at 10.40 a. "The depression in the Pacific to the East of Luzon is apparently moving Westward at present." At 11.20 a. "A further considerable decrease of pressure has taken place in Luzon and the barometer has also fallen on the China Coast and in the extreme North, the Northern stations being under the influence of a depression which seems moving Eastward across Manchuria. Pressure is now slightly above the normal in Hongkong; and below it, at Shanghai nearly 0.1 inch, at Manila 0.15 inch." Forecast:—"light E winds; fine."

On the 7th at 11.0 a. Red Drum hoisted. "Depression near Bashee Channel apparently moving towards NW at present." At 11.25 a. "Since yesterday the barometer has fallen quickly between Hongkong and Foochow, the decrease amounting to about 0.1 inch. In Luzon the mercury is now rising. The depression in the North has moved Eastward and lies in the NE part of the Sea of Japan." Forecast:—"light or moderate NW winds, possibly increasing; fair at first, but less settled later."

On the 7th at 7.30 p. Two lanterns hoisted vertically. At 7.45 p. "The depression seems moving in a Westerly direction and likely to pass to the South of Hongkong." On the 8th at daylight, Black South Cone hoisted. At 10.40 a. "The depression to the SSW of Hongkong, in about 20° Lat., appears to be approaching the coast between Macao and Hoihow." At 11 20 a. The barometer has risen around the Formosa Channel and in Luzon, fallen in the neighbourhood of Hongkong. The Northern depression still covers the NE part of the Sea of Japan." Forecast:—"Strong E veering to SE winds, perhaps a gale; hard rain squalls at times."

On the 8th at 4.10 p. Black Ball hoisted. On the 9th at 10.0 a. Black Ball lowered. At 11.20 a. "The barometer has risen in the neighbourhood of Hongkong, fallen at Haiphong. The depression is probably felt in the North part of the Gulf of Tongking." Forecast:—"fresh or moderate S winds; squally and showery."

On the 10th at 11.15 a. "The barometer has risen on the China Coast but remains rather low at Haiphong. Pressure is now slightly high at Shanghai and about normal in Hongkong and Luzon." Forecast:—"moderate S winds; mostly fair, but possibly some showers at intervals."

The conditions antecedent to the formation of the depression indicated above were as follows:—On the 29th and 30th June a depression was traversing the Gulf of Pechili and N Korea. Moving in an Easterly direction it crossed the Sea of Japan on the 1st July and passed to the Pacific on the 2nd. Pressure now increased quickly in Japan and on the 4th and 5th had become high in an area covering S Japan and the adjacent waters to the Southward. On these latter days pressure was giving way in Luzon and on the 5th the observations indicate the formation of an area of low pressure to the E of Luzon. On the same day a depression had apparently made its appearance over N China. We have the following observations on the 5th from the mean of the a.m. and p.m. barometer readings:—Tokio 29.92, Nagasaki 29.90, Sharp Peak (Foochow) 29 79, Hongkong 29.83, Bolinao 29.76. Winds on the China coast were light or moderate breezes chiefly from a S direction; off the W coast of Luzon light NW breezes prevailed and off the Cochin China coast, in about 8°, 108°, light and moderate W and SW breezes, the barometer reading 29.84.

On the 6th pressure showed a general decrease since the previous day. The Northern depression moving Eastward was probably situated in Manchuria and the Southern depression had advanced towards N Luzon. We have the following barometric observations:—Tokio 29.84, Nagasaki 29.75, Shanghai 29.70, Sharp Peak 29.73, Hongkong 29.78 and Bolinao 29.70. SW winds prevailed in Japan and on the E coast of China; light winds from S to E on the SE coast of China, and at Bolinao light W breezes chiefly, which backed to S during the evening. At sea the S.S. *Esmeralda* had 29.71 NE 5 in 19° 06′, 116° 40′. She was steering towards Hongkong and during the evening had the barometer falling with the wind backing to N and decreasing. In about 12°, 112° the barometer read 29.78 with light and moderate SW and W winds. The depression (IV.), which was apparently of slight intensity, may have been situated in 17½°, 121½° at noon, and it appears to have crossed Luzon on the evening of this day, moving in a WNW direction.

On the 7th the Northern depression had advanced Eastward and was situated in the N part of the Sea of Japan. Pressure had decreased rapidly at Wladivostock and in E Japan. The southern depression, now in the China Sea, had produced a considerable fall of the barometer on the S and SE coasts of China, while at Bolinao pressure was increasing. The following are the barometer readings: Tokio, 29.59, Nagasaki 29.73, Shanghai 29.68, Sharp Peak 29.67, Hongkong 29.68 and Bolinao 29.74. Winds were light and moderate breezes from E and SE with clear skies between Foochow and Swatow; in the neighbourhood of Hongkong light breezes chiefly from N which, however, increased to force 4 and 5 and veered to ENE during the evening; and at Bolinao light S and SE breezes with rain. In Hongkong and along the SE coast of China very hot and dry weather prevailed. The centre of the

depression at noon on this day was situated approximately in 19°, 117°. At sea the S.S. *Catherine Apcar*, at noon in 18° 39′, 114° 23′, and steering SSW, crossed the track in front of the centre during the evening. At noon they had 29.70 NW 4, increasing to a strong breeze and backing to SW late the same evening accompanied by very heavy rain and high sea. Moderate SW breezes prevailed off the W coast of Luzon and in 15°, 113°.

On the 8th the Northern depression was still lying in the N part of the Sea of Japan and the centre of the Southern depression was passing at a distance of about 100 miles to the South and West of Hongkong. The following are the barometric observations: Tokio 29.53, Nagasaki 29.75, Shanghai 29.74, Sharp Peak 29.70, Hongkong 29.65 and Bolinao 29.85. Pressure was increasing on the E and SE coasts of China, a fall had taken place in Hongkong and in the Gulf of Tongking and a considerable rise at Bolinao. At Hongkong and Gap Rock strong ENE breezes blew in the morning veering to SE in the evening and decreasing with slowly rising barometer. The centre had passed S of the Colony during the morning and at noon it was situated in 20° 45′, 113° 10′. At sea the most important observations were those made on board the S.S. *Invertay* in the right-hand semicircle and on the steamships *Diomed* and *China* in the left-hand semicircle. At noon the *Invertay* 50 miles NW by N of the centre had 29.58 and a fresh NE gale which veered to ESE and SE during the evening. The *Diomed*, 35 miles to the SSE of the centre at noon, had 29.50 and a fresh SW by S backing gale. This vessel had run southward with a strong WNW breeze during the morning to avoid the centre. The *China*, which had left Hongkong for Saigon the previous evening, crossed the track in front of the centre during the morning and experienced a strong NNW backing gale. At noon she was 55 miles to the SW by S of the centre and had 29.61 and a strong WSW backing gale. Very heavy rain was experienced on board these vessels and wet weather prevailed generally at sea within 350 miles to the S and SE of the centre.

The depression continuing on a WNW course entered the coast on the evening of the 8th and passed a little to the N of Pakhoi about midday on the 9th, the centre being situated approximately in 22°, 109° at noon on this day. The following observations were made at this port:—9 a. 29.58 w/s 2 o, 3 p. 29.56 SE 8 orq. In Hongkong the barometer read 29.70 and at Bolinao 29.85. Strong SW to S winds and squally weather prevailed in the neighbourhood of Hainan Straits and in the China Sea to the SE of Hainan. The Haiphong observations faintly indicate the passage of the disturbance at some distance to the northward of this station on the 10th.

The average speed of the disturbance between the 7th and 9th was at the rate of about 10 miles per hour. The strongest wind reported was force 10.

On the 17th at 11.20 a. "The barometer has risen much in E. Japan, fallen slightly on the China Coast and at Bolinao. Except at the latter station, pressure is generally above the normal." Forecast:—"light S and SW winds; fair."

On the 18th at 11.20 a. "Depression in the Pacific to the ENE of Bolinao." At 11.30 a. "The barometer has fallen considerably at Bolinao and on the SE coast of China. In the extreme North pressure has also given way, another depression lying, apparently, over Manchuria." Forecast:—"light W winds; fine."

On the 19th at 11.30 a. "The barometer has continued to fall in Luzon and along the China Coast, the decrease during the past 24 hours being especially rapid in Luzon and on the S. and SE. coasts of China. The depression embraces a large area but only light winds are reported. Probably the central area of the depression lies to the E of Formosa." Forecast:—"light or moderate W winds; fine."

On the 20th at 11.30 a. "Since yesterday a moderate fall of the mercury has occurred on the China Coast and a considerable fall in Japan. Pressure is generally low in the area embraced by Luzon, the China Coast and Japan. Probably the central area of this large depression lies in the Pacific to the S of SW Japan." Forecast:—"moderate W and SW winds; mostly fair but less settled on the whole, possibly some showers."

On the 21st at 11.10 a. "Barometric changes are slight, the distribution of pressure being much the same as yesterday. The area of lowest barometer appears to be still lying in the Pacific between Formosa and SW Japan." Forecast:—"light W and SW winds; fine."

On the 22nd at 11.30 a. "A further decrease of pressure has taken place in Luzon and along the China Coast since yesterday. Apparently the central area of the depression still lies between Formosa and Japan." Forecast:—"light or moderate W winds; mostly fair but less settled as a whole, perhaps a thunderstorm." On the 22nd at 4.10 p. "Typhoon North of Formosa approaching coast between Foochow and Shanghai."

On the 23rd at 10.20 a. "Typhoon centre moving northwards has just passed to the North of Shanghai." At 11.20 a. "The barometer shows a heavy fall at Shanghai and a slight fall between Foochow and Hongkong, while at Bolinao there is no change. Pressure remains low generally with no marked tendency to increase in the South and it is likely that another depression may form in the N part of the China Sea." Forecast:—"light NW or variable winds; fair."

As the typhoon (V) referred to in the foregoing notices remained far out in the Pacific during the earlier part of its existence, it is only possible to indicate in a general way its most probable track until it approached the coast. Observations made on board the bark *Lothair* navigating the Pacific on a

voyage from Callao to Hongkong show that the centre of the disturbance was probably situated in about 18°, 132° on the 18th, and that it moved thence in a NNW direction. On the 21st it seems to have been situated in about 25°, 129° near the Loo Choo Islands, and apparently was unable to complete recurvature and again moved to the NW owing to high pressure spreading westward from the Pacific and advancing over E Japan and the adjacent waters to the southward. On the 22nd at noon the centre was probably situated in 27°, 126½°. The following barometric observations on the 22nd, show how greatly the isobars were elongated towards the SW: Yokohama 30.00, Nagasaki 29.68, Shanghai 29.58, Sharp Peak 29.43. Hongkong 29.48, Bolinao 29.60. The S.S. *Wuhu* encountered the centre at 11 p. on the 22nd in 29°57′, 123°46′, when the barometer registered the minimum, 28.28 (uncorrected), with the wind dead calm. Before the arrival of the centre the wind was from NE and after its passage from SW of full typhoon force, and accompanied by very heavy rain with high confused sea, but in the central area the rain ceased and the sea, although confused, was without force. The disturbance moved rapidly towards NW, the centre passing close to Shanghai next morning, the 23rd, near 6 a. as shown by observations made on board the S.S. *Chingping* at anchor near the *Kintoan* lightship. It was therefore fortunate that a telegram warning Shanghai and placing the port in the dangerous semicircle, was despatched from the Hongkong Observatory at 4 p. on the 22nd, as it might have been supposed that the centre would advance in a Northerly direction between China and Japan, and thus place Shanghai at a long distance from the centre and in the left-hand semicircle, where at some distance the winds are moderate. The telegram was amply substantiated as a warning and it appears that no other warning was given indicating a gale in that port. The *Chingping* experienced a fierce gale from NNE, the barometer falling to the minimum (28.67) at 5.30 a. on the 23rd, when the wind fell almost calm and quickly backed through N and W. At 7 a. they had a decreasing gale from SSW with rising barometer. These observations show that the centre must have passed at a very short distance to the E of the vessel. At noon on this day the centre was situated near 32¾°, 120¾°. At Chinkiang a fresh gale from NW blew at 9 a. (bar. 29.25) backing to W force 6 at 3 p. (bar. 29.26). At sea the S.S. *Nanchang* at noon in about 34½°, 123° had 29.43 with a fierce E backing to SE gale. High pressure covered Japan on this and the following day. The disturbance moved towards about NNW and passed a little W of Howki lighthouse (38°04′, 120°39′) early on the morning of the 24th, E veering gales being experienced at Chefoo and at the Shantung Promontory lighthouses between the evening of the 23rd and morning of the 24th. The S.S. *Kalgan* encountered this storm, the centre passing a little W of her position (39°03′, 120°50′) at 4 a. on the 24th. They had fierce a NE veering to SE gale with barometric minimum 29.19. As a result of the typhoon (no warnings having been forwarded through the lines of the Chinese Telegraph Administration) the German gunboat *Iltis* unfortunately went ashore on the Promontory on the evening of the 23rd and became a total wreck. At noon the centre was in the Gulf of Liaotung. The typhoon was recurving on the 24th. It appears to have passed the neighbourhood of Wladiwostock on the evening of the 25th and thence to have traversed the N part of the Sea of Japan moving probably Eastward. While this typhoon was in existence, exceptionally hot and dry weather prevailed on the S and SE coasts of China.

On the 23rd at 10.20 a. "Pressure remains low generally with no marked tendency to increase in the South and it is likely that another depression may form in the N part of the China Sea"

On the 24th at 11.15 a. "A cyclonic depression appears to exist to the South of Hongkong. Pressure has increased generally on the China Coast but is almost unchanged at Bolinao. Pressure is now nearly 0.1 inch above the normal at Shanghai and still in defect about 0.2 inch at Hongkong and Bolinao." Forecast:—"fresh NE and E winds, increasing: unsettled, some rain."

On the 24th at 4 p. "Black South Cone hoisted. On the 25th at 11.20 a. "The depression to the South of Hongkong appears to be shallow and almost stationary at present. The barometer has risen in Luzon and fallen in the N part of the Formosa Channel, elsewhere there is little change. Pressure remains about 0.2 inch below the normal in Hongkong." Forecast:—"fresh or strong NE and E winds; squally and showery."

On the 25th at 4.15 p. "The depression to the SSW of Hongkong seems moving slowly westward." At 10 p. Black South Cone lowered. On the 26th at 11.20 a. "The depression has probably approached the coast in the neighbourhood of Hainan Straits. Except a fall at Haiphong and Shanghai, the barometer has risen generally, particularly between Foochow and Hongkong." Forecast:—"moderate SE winds; showery and squally."

Between the 23rd and 24th July pressure increased very rapidly in the neighbourhood of Shanghai in rear of the late typhoon. The increase extended Southwards, but was moderate only on the S coast of China, and at Bolinao slight. Thus gradients had become rather steep for NE and E winds on the China Coast to the S of Shanghai, while from the marine data we see that over the greater part of the China Sea to the Southward of 18° there was a gradient for SW winds. Thus the formation of the depression (VI) may be traced to the rapid increase of pressure over China. In Hongkong moderate and fresh E and NE breezes prevailed. The area of lowest pressure 29.50, in which light variable winds prevailed accompanied by squally weather was in 19° Lat. and from 114° to 116° Long. To the W of this area moderate N breezes were experienced on board the S.S. *Mongkut* with very heavy rain; moderate SW breezes prevailed across the China Sea in about 17° Lat. and strong winds and gales from W and SW prevailed over the entire sea between 14° (bar. 29.60) and 9° Lat. (bar. 29.75).

On the 25th, the observations show that the low area had moved to the Westward. The barometer was almost steady, 29.53, at Hongkong; 29.53, falling slightly at Hoihow, and 29.68, rising at Bolinao. Fresh NE and E breezes blew in Hongkong, and gentle N and NE breezes at Hoihow. The centre of the depression was situated in 19°½, 112°½ at noon. The S.S. *Mongkut* had passed from the W to the N quadrant and now had fresh NE and E breezes, barometer 29.49, at a distance of about 100 miles to the N by E of this position. The barometer read 29.51 and fresh W breezes prevailed to the SW of the centre at a distance of about 120 miles; and SSW force 6, barometer 29.58, was noted on board the S.S. *Congella* at a distance of 150 miles to the SE by E of the centre. Strong SW monsoon prevailed to the southward of the centre between 14° and 10° Lat., the barometer reading 29.70 in 11° Lat.

The centre of the depression, which remained of slight intensity, passed very near Hoihow between 9 p of the 25th and 9 a. of the 26th. They experienced frequent heavy rainsqualls during the night, the wind direction changing from NE on the evening of the 25th to S on the morning of the 26th with barometer at 11 a. 29.46 and thereafter rising. Nearly 10 inches of rain fell during the 48 hours ending at 9 a. on the 26th. At Pakhoi, on the 26th, moderate and fresh N and NNW breezes accompanied by heavy rain prevailed, the barometer reading 29.50 at 9 a. and 29.43 at 3 p. so that the centre was situated between these two stations at noon on the 26th and in about 20°¾, 119°¾ Fresh to strong breezes from SE to SW prevailed at sea between Hongkong and the SE coast of Hainan. After passing near Pakhoi the depression probably quickly filled up on the mainland.

On the 27th at 11.15 a. "The barometer has risen considerably on the S coast of China and in the Gulf of Tongking, elsewhere changes are slight. Pressure remains low in the South." Forecast:—"moderate or light SE winds; unsettled, wet."

On the 28th at 10.20 a. Red Drum hoisted. "Typhoon crossing North Luzon apparently moving towards NW." At 11.15 a. A rapid fall of the mercury has occurred at Bolinao since yesterday and the barometer has also fallen decidedly at the Formosa Channel stations. The weather seems likely to become unsettled in the latter district shortly." Forecast:—"light or moderate winds, E backing towards N; showery with fine intervals."

On the 29th at 8.45 a. Black Drum hoisted. A 9.5 a. Gun fired one round. At 10.30 a. "Typhoon centre about 250 miles to the SE of Hongkong moving towards WNW. Strong NE to SE gale expected here." Black South Cone hoisted.

On the 29th at 4.10 p. "The typhoon will probably pass close to Gap Rock." At 5.45 p. Gun fired two rounds. At 10 p. the wind velocity was 108 miles per hour from East. On the 30th at daylight, Black Ball hoisted. At 11.20 a. "The typhoon has entered the coast near Macao." Forecast:—"decreasing SE winds; squally and showery."

On the 30th at 5.10 p. Black Ball lowered. On the 31st at 11.15 a. "In Hongkong pressure now exceeds the normal by 0.1 inch, the mercury having continued to rise rapidly during the past 24 hours. Gradients are rather steep between Hongkong and the Gulf of Tongking, the barometer in the latter district, although rising, being still comparatively low." Forecast:—"moderate SE winds; squally and showery."

Pressure, which had not yet reached its normal height in Luzon on the 26th, again commenced to give way there on the 27th. The barometer, 29.70, at the Eastern Extension Telegraph Company's Station at Bolinao fell quickly during the evening, but light airs and calms prevailed. The S. S. *Sungkiang*, lying in Mariveles Bay (14° 26′, 120° 30′) had light increasing W winds with falling barometer. There is no information from the Pacific, but these observations point to a depression (VII.) to the E of Luzon, advancing in a W direction probably in about 17½° Lat The following conditions prevailed in other areas: in S Japan, the highest pressure of 29.8 ins and upwards; Sharp Peak 29.75, Hongkong 29.70. with a second low pressure of about 29.6 ins. over Tongking and the Gulf. Between Foochow and S Hainan winds were light and moderate from E to SE, except strong NE breezes with falling barometer at Anping, S Formosa, while moderate SW monsoon prevailed across the China Sea in 16° Lat., increasing in strength in 10°, 110° where the barometer read about 29.70.

On the morning of the 28th the disturbance was crossing N Luzon, the centre being situated near 18° 30′, 121° 00′ at noon. At Bolinao, barometer 9 a. 29.55, 4 p. 29.42 (minimum), moderate to strong W breezes blew in the morning backing to SW in the afternoon, accompanied by wet weather throughout. The *Sungkiang*, at Mariveles, had 29.65 with SW 4 at noon. Pressure remained highest at 29 8 and upwards in S Japan. Increasing NE breezes blew at the lighthouse stations in the S part of the Formosa Channel during the evening, but between Hongkong and Hainan light E breezes prevailed. The S.S. *Apenrade* and the bark *Lothair*, some 300 miles to the WNW of the centre at noon, and both bound to Hongkong, had fresh increasing breezes from NE backing to N in the evening. The barometer, which read 29.61 on board the *Apenrade* at noon, was falling, as the disturbance was following in her wake and overtaking her. The S.S. *Memnon* and the bark *Casablanca* were about 270 miles to the WSW of the centre at noon. Both vessels were bound to Hongkong. They experienced only light breezes from NW to W before noon, but later the barometer fell rapidly and the wind increased to a moderate gale from NW and WNW. On board the *Memnon* a very heavy

cloud bank was observed in the NE. As their course was taking them towards the centre it was altered, at first to WNW and afterwards to S. Between 16° and 18° Lat and in 114° Long., light variable winds prevailed, and farther South moderate to strong SW monsoon with the barometer reading 29.70 in 11°, 110°.

On the 29th at noon the centre was situated in 20° 30′, 116° 00′ *i.e.*. 150 miles to the SE of Hongkong, its course since leaving N Luzon having been towards WNW at the rather high average speed of 13 miles per hour. Pressure remained highest at about 29.8 ins. over S Japan. At Bolinao 29.68 the barometer was rising while, in Hongkong, 29.41, and to the westward it was falling fast. At the S entrance to the Formosa Channel, where NE veering gales blew in the morning, the barometer was rising after noon. At Breaker Point the barometer read 29.43 at this hour. In Hongkong at 4 p. the wind had risen to a fresh increasing gale from NE by N and after 6 p. it commenced to veer slowly attaining typhoon force at 7 p. and reaching its maximum at 10 p. (velocity 108 miles per hour) from E by S. It then veered rather quickly and had decreased to storm force from SE by S at midnight. The barometric minimum (28.87) occurred between 9.30 p. and 10 p. At Victoria Peak the wind direction was about two points more southerly, and the wind velocity greater, than at the Observatory, the latter in the proportion of about 3 to 2 up to the time when the cups of the anemometer at the Peak unfortunately blew away. This occurred at 5.50 p., the wind velocity at the time being at the rate of 110 miles per hour. If the proportion between the velocity at the Peak and at the Observatory was maintained later in the evening, the velocity at the Peak at 10 p. would correspond to 170 miles per hour; but, of course, it is possible that this was not the case, and that the proportion, instead of remaining tolerably steady, decreased. If the proportion decreased to about 4 to 3 when the centre was nearest, the maximum velocity at the Peak would be 140 miles. The damage caused to buildings at the Peak as compared to that in the City certainly suggests that a much higher velocity was reached at the upper level than at sea level. At Gap Rock the barometric minimum (28.54) was recorded at 9 p. and at the same time the wind, which had been from NE, veered to E and decreased for a short time, afterwards increasing again and attaining a S direction at 11 p. Gap Rock was thus on the northern edge of the central area at 9 p. and probably within 15 miles of the actual centre. The steepest gradients corresponded to 0.2 inch in 15 miles. At Macao the barometer minimum (28.72) was at 11 p. with a hurricane from E quickly veering to SE and SSE.

At sea a large number of vessels were involved in the storm in the left-hand semicircle. The bark *Lothair* was nearest to the centre, she being situated at noon on the 29th, 50 miles to the SE by E of Gap Rock. They experienced typhoon force from NNW which backed to W and S in the evening, so that the centre passed between the vessel's position and Gap Rock. They had no time to make accurate observations as the vessel was thrown on her beam ends, the lee side being under water up to the hatches and they had to cut away the rigging and let the masts go overboard to save her. Fierce W and SW gales were experienced, in the left-hand semicircle, at a distance of 200 miles from the centre.

On the morning of the 30th the centre was passing to the North of the I.M.C.C. *Likin* at anchor in Hui Ling San harbour (21°35′, 111°48′). At 2.30 a. they had the barometric minimum, 29 04, with typhoon force from WSW and gradually veering to S at 10 a. Towards midday the centre was passing N of the port of Pakhoi. Strong SW veering winds with squally weather prevailed; the barometer read 29.36 at 9 a., 29.42 at 3 p. Probably the centre was situated in about 23°, 109½° at noon, filling up and continuing on its course towards WNW.

The following are some of the most important features of the Typhoon on July 29, when it was moving WNW at about 12½ miles per hour in Lat. 21°. Pressure at the centre was probably 28.40 inches or 1.35 inches below the normal. The disturbance was oval-shaped with the longer diameter directed from SW to NE. In the latter direction (the right-hand quadrant) the isobars were compressed while they were much elongated towards the SW (left-hand quadrant).

The following table gives the angle between the wind direction and the centre:—

Distance from Centre.	Front.	Right.	Rear.	Left.	Mean.
Miles.					
0 to 150, ...	121°	117°	111°	133°	119°
150 to 300, ...	148	123	134	134	132
0 to 300, ...	131	121	123	134	126

This shows that on an average the angle was about one point smaller within 150 miles of the centre than between 150 and 300 miles of the centre. Also the angle was about one point larger in front than in rear, and in the left than in the right quadrant. The incurvature was therefore greater at a distance than near the centre and greater in the front and left quadrants than in the rear and right quadrants. The mean of all the angles shows that the bearing of the centre was 11 points from the wind direction.

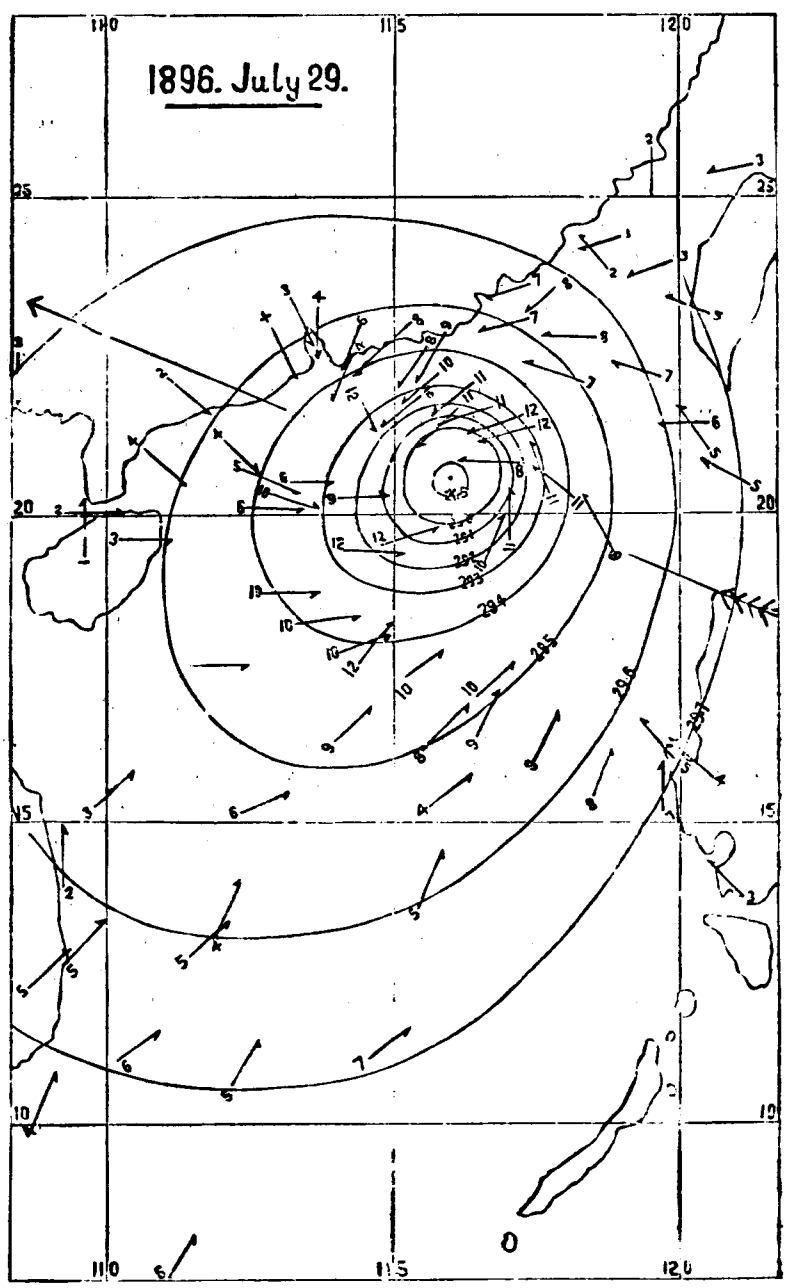
The average wind forces were approximately as follows, the distance from the centre being given in miles:—

Force.	Front.	Right.	Rear.	Left.	Mean.
12, ...	50	55	60	60	60
11, ...	60	75	80	90	80
10, ...	70	90	100	130	100
9, ...	80	120	170	180	130
8, ...	100	180	210	225	170
7, ...	125	190	225	270	200
6, ...	140	200	240	350	230
5, ...	160	250	270	...	260

The most marked features with reference to the distribution of the wind forces are to be noticed in the front and in the left-hand quadrants. In the former part of the disturbance the wind was comparatively light until the centre had approached within 150 miles, which renders a typhoon of this class travelling quickly especially dangerous, as the wind may be said to rise suddenly and quickly assume dangerous strength. In the left-hand quadrant strong winds prevailed at great distances from the centre, which must be ascribed to the SW monsoon combining with the storm wind.

The centre passed probably within 15 miles to the southward of Gap Rock and at the time the wind decreased to force 8, so that apparently the central area was of considerable extent and the winds were probably strongest at a distance of about 25 miles from the actual centre. The area of continuous rain extended only about 150 miles and the weather was fine at a distance of 250 miles in front of the centre. In the right-hand quadrant rainy weather prevailed within 200 miles, in rear within 250 miles and in the left-hand quadrant within 300 miles. The rain area extended therefore farther in rear and in the left-hand quadrant than in front and in the right-hand quadrant.

A thunder-storm occurred in Hongkong at about 200 miles in front of the centre and thunder-storms were prevalent in the left-hand simicircle at a distance of 300 miles from the centre. Lightning was observed 350 miles in rear of the centre.



AUGUST.

On the 1st at 11.0 a. "The barometer has risen between Hongkong and the Gulf of Tongking, fallen at Bolinao. Probably another depression exists in the Pacific to the East of Luzon." Forecast:—"moderate or light E winds; fine."

On the 2nd at 10.30 a. Red South Cone hoisted. "The typhoon seems to have passed into the China Sea and to be now situated off the SW coast of Luzon. It will probably move towards NW." At 11.15 a. The barometer has fallen considerably at Bolinao and is now about 0.2 inch below the normal. In Hongkong pressure, although giving way, is still 0.1 inch in excess." Forecast:—"NE winds, freshening; fine at first, but less settled by to-morrow. Strong N and NE winds, increasing, in the N part of the China Sea."

On the 3rd at 10.30 a. Black South Cone hoisted. "Typhoon about 300 miles to the SSE of Hongkong moving towards NW." At 10.45 a. "The barometer has risen at Bolinao, fallen in the neighbourhood of Hongkong. Pressure is nearly 0.1 inch below the normal at the former station and slightly in excess at Hongkong." Forecast:—"strong NE and E winds, increasing; squally and showery." At 4.30 p. "The typhoon is probably moving towards WNW. Gale not expected in Hongkong."

On the 4th at 8.20 a. Black Ball hoisted. At 10.35 a. "The typhoon seems to have approached the East coast of Hainan." At 11.10 a. "The barometer is rising in Hongkong and inclined to fall at Haiphong, elsewhere pressure has increased." Forecast:—"strong SE breezes, decreasing; squally and showery." At 8.40 p. Black Ball taken down.

On the 5th at 11.10 a. "The depression has disappeared to the N of Tongking. Pressure has increased in the neighbourhood of Hongkong and decreased in the Gulf of Tongking, elsewhere changes are slight." Forecast:—"moderate or light SE winds; showery to fair."

The disturbance (VIII) referred to in the foregoing information appears to have been crossing the SE provinces of Luzon on August 1st, the centre probably being situated at noon near the position 13°, 123°. Winds from a N direction prevailed at the Eastern Extension Telegraph Company's station at Bolinao and at Manila, and the barometer which was normal on the previous day was falling rapidly. The highest pressure was covering the neighbourhood of Hongkong.

On the morning of the 2nd the disturbance passed at a short distance to the S of Manila. The S.S. *Sungkiang* at anchor in Mariveles Bay (14° 26′, 120° 30′) had the lowest barometer reading 29.64 at 4 a. with fresh NE quickly veering winds, accompanied by squally and showery weather. The centre was probably situated in 15°, 118°½ at noon and moving towards WNW. Pressure was giving way in Hongkong and rising in Luzon. At Bolinao the barometer read 29.67 at 1 p. with SE 4; at noon in 18° to 19° Lat. and 112° to 114° Long. moderate ENE and NE breezes prevailed with barometer 29.83; the S.S. *Glenfalloch* at noon in 14° 09′, 113° 11′ had 29.82 with WNW 4, the barometer falling and the wind increasing to NW 6, as she steered towards N by E.

On the 3rd at noon, the centre was situated in 16° 45′, 114° 15′. The barometer had risen about 0.1 inch at Bolinao (29.79) since the previous day and fallen about the same amount at Hoihow (29.75). Fresh and strong NE breezes prevailed between Hongkong and Hainan, moderate NW breezes off the Annam coast and fresh SW breezes in 10°, 110° where the barometer read 29.81. The S.S. *Chelydra*, steering SSW, ran across the track just in front of the centre. At noon she was situated 40 miles to the WNW and had NNE 5 quickly backing to NW 6 with very squally weather and high sea. The lowest recorded barometer reading (29.43) was made at 4 p. The S.S. *Glenfalloch* was turned round and steered towards S 30° W at 4 a. as the barometer was falling quickly with increasing wind from NNW. Thereafter the direction backed towards W and was of force 5. At 10 a. they stood N 30° E and at noon the vessel was hove to with the centre bearing N at a distance of about 50 miles. A strong gale from SW and SSW, accompanied by terrific rainsqualls, was experienced during the afternoon, the force rapidly decreasing after 4 p. when the barometer rose decidedly. The lowest reading, 29.57, was at 1 p. The S.S. *Brindisi* about 50 miles to the WSW of the *Glenfalloch* at noon and steering for Hongkong, also experienced a fresh SW backing gale during the evening.

On the 4th the centre which had moved towards NW, passed to the East of Hoihow shortly before noon, its situation at this hour being 20° 30′, 110° 45′. At 10 a the Imperial Maritime Customs Cruiser *Likin*, off Hainan Head, had minimum barometer 29.51 with NW 9 backing to W 8 (at 2 p.). The barometer (at noon, 29.58) had fallen 0.2 inch at Hoihow during the past 24 hours and a moderate gale from NW backing to WSW was experienced between 9 a. and 3 p., accompanied by frequent heavy rainsqualls. Strong SSE breezes blew in the neighbourhood of Hongkong and strong SW breezes off the SE coast of Hainan. At 3 p. a fresh NNW gale prevailed at Pakhoi, the barometer having fallen to 29.55, and observations made on board the S.S. *Ask*, lying in the port, show that the lowest barometer reading occurred between 4 p. and 7 p. with the wind afterwards backing to WNW and to SSW next morning. The course of the depression towards NW seems to have been maintained on the mainland.

The disturbance moved across the China Sea at an average speed of about 12 miles per hour. The depression was one of high level and probably the barometric height at the centre was scarcely lower than 29.4 inches. The strongest wind reported was force 9 to 10.

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On the 6th at 10.15 a., "Depression in the Pacific to the East of Luzon." At 11.10 a., "The barometer is falling at Bolinao and along the SE coast of China, rising in the Gulf of Tongking. Pressure is again below the average at Bolinao but, at present, it remains high on the S and SE coasts of China, the excess amounting to nearly 0.15 inch at Hongkong." "In the extreme North, a depression appears to be advancing Eastward in the neighbourhood of Wladivostock." Forecast:—"light E or varying winds; fair."

On the 7th at 10.30 a., "Typhoon appears to have entered Luzon to the Southward of Bolinao." At 11.20 a., "A further considerable decrease of pressure has taken place at Bolinao and the barometer has also fallen on the S and SE coasts of China. In the extreme North, pressure is increasing in rear of the depression near Wladivostock yesterday." Forecast:—"NW or variable winds, light; fine."

On the 8th at 10.30 a., "Typhoon is East of and approaching the neighbourhood of Bolinao, apparently moving towards NW at present." At 11.10 a., "Pressure has continued to give way rapidly at Bolinao and a considerable decrease has also taken place on the S and SE coasts of China. At Shanghai the barometer has risen. Pressure is now about 0.1 inch above the average at the latter station, normal in Hongkong and nearly 0.4 inch in defect at Bolinao." Forecast:—"N winds, freshening: fine at first, less settled by to-morrow. Strong N and NE winds and gales in the NE part of the China Sea; increasing NE winds in the Formosa Channel." At 1.35 p., Red Drum hoisted. At 4.30 p., "Typhoon appears to have entered China Sea to the North of Bolinao."

On the 9th at 7.15 a., Black South Cone hoisted. At 9.30 a., Gun fired one round. At 10.15 a., "Typhoon centre about 250 miles to the South-East of Hongkong apparently moving towards WNW. Strong NE to SE gale expected in Hongkong." At 6.30 p., "Typhoon centre appears to be situated about 100 miles to the SSW of Gap Rock, moving WNW." At 8.10 p., Black Ball hoisted.

On the 10th at 10.30 a., Black Ball lowered. "The typhoon has entered the NE part of the Gulf of Tongking." At 11.0 a., "The barometer has fallen considerably at Haiphong, risen quickly at Bolinao and Hongkong. High pressure covers Japan." Forecast:—"SE winds, decreasing; squally and showery."

On the 11th at 11.20 a., "The recent typhoon passed near Haiphong last night. Pressure has continued to increase in the neighbourhood of Hongkong but is giving way again at Bolinao. Probably a trough of slightly low pressure lies across the E part of the China Sea and into the Pacific in about 18° to 20° Lat." Forecast:—"light or moderate E winds; fair."

There is no information at present from the Pacific area having reference to the above typhoon, but the disturbance (IX) would appear to have been approaching Luzon from the East on the 6th and 7th, moving W or WNW in from 15° to 16° Lat. On the 8th it passed a few miles to the N of Bolinao at noon when the centre may be placed in 17°, 120°. High pressure of 30.0 inches was on this day lying off the southern shores of Japan.

On the 9th the centre was situated in 19½°, 115½°.

Pressure had given way to the extent of 0.15 inch during the past 24 hours in Hongkong and increased 0.2 inch at Bolinao. In Hongkong a hard gale from NE veering to SE was experienced, the highest hourly wind velocity, 66 miles from ENE, occurring at 5 p. with the barometric minimum, 29 52, at 5.30 p. At sea several vessels encountered the bad weather. The bark *Salterod* which was close to the centre, but whose position is doubtful, had typhoon force from NW to SW between 1 p. and 4 p. with the lowest barometer reading, 28.94, (uncorrected) at 3 p. Her position is given as 18°50′, 115°16′ at 4 p. Some damage was sustained, but oil was used with good effect. The steamships *Orestes*, *Flintshire*, *Kutsang*, *Aglaia* and *Tritos*, and the bark *Northbrook*, in the left-hand semicircle at distances varying between 75 and 150 miles from the centre, all experienced fierce or strong NW backing to SW gales during this day. In the right-hand semicircle the bark *Stanfield*, about 50 miles to the SSE of St. John's Island (S point 21°32′, 112°46′), encountered typhoon force from NE veering to E on the evening of the 9th, the lowest barometer reading, 29.04, occurring at 9 p. The centre may be placed in 20°30′, 113°00′ at this hour.

On the morning of the 10th the disturbance passed to the N of Hoihow. At 3 a. the barometer read 29.41 with heavy gusts of wind from WSW, the wind subsequently backing to SW and S. The course of the depression which had been towards WNW on the previous day had become a Westerly one. The speed also diminished in the Gulf of Tongking. From Pakhoi we have the following observations—9 a. 29.29 N 8 to 10 c, 3 p. 29.43 ESE 7 to 9 orq—which show the passage of the typhoon to the S of the port. The centre may be placed in 21°, 109° at noon. The S.S. *Triumph*, lying at Pakhoi, reports a fierce gale from ENE at noon. the direction veering very slowly. The Chinese revenue cruiser *Kaipan*, sheltered at Paklung (21°30′, 108°10′), experienced a fresh to strong NNW veering to E gale with the barometric minimum. 29.46, at 4 p. and wind ENE force 9. The same evening the centre passed near Haiphong and neighbouring districts, considerable damage to property at Haiphong, Hanoi and Doson resulting on the night of the 10th.

The average speed of the disturbance across the China Sea was at the rate of about 14 miles per hour.

On the 12th at 10.15 a. "Typhoon East of Balingtang Channel." At 11.10 a. "The barometer has fallen considerably at Bolinao, on the China Coast between Hongkong and Shanghai and in Japan, risen quickly in the Gulf of Tongking. Pressure is in defect about 0.15 inch at Bolinao, normal in Hongkong and slightly in excess at Shanghai and over Japan." Forecast:—"NW and variable winds, light or moderate; fair." At 5.30 p. Red Drum hoisted.

On the 13th at 11.5 a. "The barometer continues falling slowly in Luzon and on the China Coast. The depression appears to be still situated in the Pacific." Forecast:—"light variable winds; fair."

On the 14th at 11.0 a. Red Drum lowered. "The barometer has risen slightly at Bolinao and Hongkong, fallen at Shanghai. Pressure is normal in Hongkong, but remains over 0.1 inch in defect in Luzon. At Shanghai the barometer is also nearly 0.1 inch below the average. Apparently the depression still lies in the Pacific." Forecast:—"light variable winds; fine."

On the 15th at 11.0 a. "The barometer is steady at Bolinao, but remains low. On the S and SE coasts of China and in Japan a considerable decrease of pressure has occurred. Probably the central area of the depression is now situated in the Pacific to the East of Formosa. Another depression lies in the neighbourhood of Wladivostock." Forecast:—"light or moderate W and SW winds; fine."

On the 16th at 11.20 a., "Pressure is unchanged at Bolinao and Shanghai but has again given way on the S and SE coasts of China and in Japan. The low pressure area appears to be central between Formosa and SW Japan." Forecast:—"light or moderate W and SW winds; fine."

On the 17th at 10.55 a., "The depression appears to be approaching SW Japan." At 11.10 a., "The barometer is rising slowly in Luzon and over S China, falling decidedly in W Japan." Forecast:—"light or moderate SW winds; fair."

On the 18th at 11.15 a., "The barometer continues rising slowly in Luzon and on the China Coast, but a fall has occurred in the extreme North. Probably the depression has moved northwards into the Sea of Japan." Forecast:—"light SW winds; fair."

On the 19th at 11.10 a., "The depression has reached the neighbourhood of Wladivostock. The barometer has risen on the China Coast, fallen in the Gulf of Tongking. Pressure now exceeds the normal at Shanghai but is still slightly in defect at Bolinao." Forecast:—"light or moderate SE winds; mostly fair, but probably some showers."

We have no information from the Pacific Ocean regarding the above typhoon (X), but generally the observations indicate that it was formed in about 20°, 130°, between the 11th and the 14th. At noon on the 15th it was in about 23°, 131°, on the 16th in 25°, 131°, on the 17th in 28°, 130½°, on the 18th in 35° 0′, 132° 45′. The steamships *Ancona* and *Taiyuan* at anchor in Kobe had the lowest barometer 29.26 at noon on the 18th with a fresh to strong gale from S veering to SW. On 19th it passed almost over Wladivostock near 7 a. when the barometer read 29.01 and the wind, which had previously been from North, was a moderate gale from SE.

This typhoon like most of those originating during the SW monsoon, when the weather is very hot in China, had the isobars very much elongated towards the SW, so as to simulate a typhoon rather close to Luzon and Formosa. It would have recurved over Japan, if the pressure had not remained high over E Japan and fallen in northern China.

As indicated in the China Coast Register pressure was low to the E of the Bashee Channel since the 20th August. On the 29th Typhoon XI was in 25° 45′, 136° 45′. It had come up from SE. It was encountered by the ship *William Rotch*, which suffered a regular typhoon from N and NNW, backing to W 8. At noon on the 30th the centre was in about 32°, 135°. The S.S. *Germania*, near the Kii Channel, on the Japan coast had the centre pass over her. If it had lasted another hour she would have been lost, as the ship did not steer and could not get away from the shore. The S.S. *Verona* farther to the E had SE 9. On the 31st the centre was in about 42°, 139°, moving NE. On the morning of the 1st September it passed W and N of H.M.S. *Narcissus* lying at Oterranai. At noon the centre was perhaps in about 45°, 142°.

SEPTEMBER.

On the 1st at 10.40 a. "A depression appears to be forming to the SSE of Hongkong in about 20° Lat. The barometer has fallen generally and is now in defect to the extent of about 0.1 inch in Hongkong and to about half that amount at Bolinao." Forecast:—"moderate or fresh NE winds; showery." At 4.10 p. "Depression, probably shallow, South of Hongkong in about 20° Lat." Black South Cone hoisted.

On the 2nd at 8.0 a. Black South Cone lowered. At 11.10. "The depression has entered the coast between Macao and Hainan Straits. The barometer is steady in the South, rising in the neighbourhood of Hongkong and falling on the E coast." Forecast:—"fresh to moderate SE and S winds; showery and squally with fine intervals."

On August 30th after a period during which pressure had been rather below the normal, owing to typhoon (XI) in the Pacific, the barometer commenced to rise on the China coast with the wind backing towards E. Light variable and SW breezes prevailed in the China Sea in 19° Lat. and moderate SW monsoon to the Southward of 16° Lat. Pressure varied from 29.89 in 10°, 110° to 29.83 at Bolinao and 29.76 in Hongkong.

On the 31st pressure was still increasing on the China coast to the Northward of Swatow, the increase being most marked at Shanghai, 29.83. In Hongkong, 29.75 and at Bolinao, 29.82, the barometer was inclined to fall. Light to moderate winds, chiefly from an E direction, prevailed between Foochow and Hongkong; variable airs and calms in the China Sea in about 20° Lat., and light to fresh SW monsoon to the Southward of 18° Lat. In 12½°, 109° the barometer read 29.80 and in 6°, 107°, 29.92. There was thus on the 31st a gradient for E winds on the S coast of China and a gradient for SW winds over the greater part of the China Sea, the area of variable winds lying in from 19° to 21° Lat.

Between the 31st August and 1st September a general decrease of pressure occurred on the China coast, the decrease being most marked in the neighbourhood of Hongkong, where on the latter date the barometer read 29 66 at noon. A fall had also occurred at Bolinao, 29.79, and off the Annam coast in 12°½, 109° where the reading was 29.75. In Hongkong moderate to fresh ENE breezes, veering to ESE in the evening prevailed accompanied by rainsqualls, the barometer commencing to rise late at night. At about 75 miles distance to the SSW of Hongkong two vessels experienced very heavy rain with variable squally winds. Along the Annam coast fresh SW monsoon prevailed. The observations indicate that at noon on the 1st, a shallow and probably elongated depression was lying off the coast to the Southward of Hongkong, the central area of which was characterized by variable winds and squally and wet weather, and that a small cyclonic depression (XII), which subsequently moved towards WNW, was formed in this area in the course of the day.

On the morning of the 2nd the wind veered to SE and S of force 4 to 6 at Hongkong the barometer (noon 29.72) continuing to rise. The steamships *Ask* and *Hongkong* approaching Hainan Straits from the E during the morning, experienced, the former moderate to fresh SW and W breezes with rainsqualls, and the latter moderate to fresh NW breezes with rain. In 20°, 110°, the barometer read 29.61. Moderate to fresh SW monsoon prevailed in the China Sea to the Southward of 19° Lat., the barometer reading 29.82 in 9°, 109°. It thus appears that the small depression was lying between Hongkong and Hainan Head on the early morning of this day and at noon it was probably central in 21°¾, 111°¼. The Pakhoi observations faintly indicate its passage to the northward of that station. Next day the barometer had risen along the S coast of China with light to moderate winds from SE and S.

On the 5th at 4.15 p. "There appears to be a depression in the Pacific to the East of North Luzon."

On the 6th at 11.20 a. "The depression apparently remains in the Pacific. The barometer has risen in the North and on the SE coast, fallen moderately at Bolinao." Forecast:—"light NW and varying winds; changeable, some showers."

On the 7th at 11.15 a. "Barometric changes are somewhat irregular; on the whole a slight fall has occurred on the China Coast and at Bolinao. The depression probably remains in the Pacific. Pressure is about 0.1 inch in defect in the S part of the Formosa Channel and in Luzon." Forecast:—"moderate N and NE winds; unsettled, showery."

On the 8th at 11.20 a. "The depression appears to be lying in the neighbourhood of the Loo Choo Islands with a trough of slightly low pressure extending from the Bashee Channel to the Paracels. Except a fall in Japan, barometric changes are unimportant." Forecast:—"moderate NE winds; unsettled, some rain."

On the 9th at 11.20 a. "Pressure is almost unchanged on the China Coast and in Luzon and, in the absence of the Japanese observations, conditions appear to remain as yesterday." Forecast:—"moderate NE winds; fine."

On the 10th at 11.15 a. "Yesterday afternoon the depression appears to have been lying to the South of Kiusiu, Japan. No reports from thence this morning. The barometer is almost steady elsewhere, except a slight fall at Shanghai where pressure is now about 0.1 inch below the normal. Pressure also remains in defect at Bolinao and, apparently, across the middle part of the China Sea." Forecast:—"light NE winds; fine."

On the 11th at 11.15 a. "The centre of the depression, which is moving slowly northwards, is situated close to the SE coast of Kiusiu, Japan. The barometer has fallen in the North, risen in the Formosa Channel and at Bolinao. A trough of slightly low pressure, between NE and SW winds, exists across the China Sea in about 17° Lat." Forecast:—"light to moderate NE winds; fine."

On the 12th at 11.15 a. "The depression appears to have moved into the Sea of Japan. The barometer has fallen rapidly in the extreme North, risen moderately at Shanghai and is almost unchanged elsewhere."

Typhoon XIII probably originated on the 5th September somewhere in about 24°, 136°. On the 7th at noon it was in about 25°, 135°, and on the 8th in about 26½°, 133°. The ship *L. Schepp* on the 7th in about 28°, 134°, had NE 10 to the N of the centre. They ran before the wind and passed across the track. On the 9th the centre was in 28°, 131. The S.S. *Irene* got involved in the central area. The wind at 5h. 25m. p. calmed down for about 8 minutes with blue sky in the zenith, then the typhoon recommenced with the same fury and from the same direction (NW), but the barometer began to rise though very slowly. This is the best authenticated case of the central calm and barometric minimum not corresponding with the point round which the wind circulates, which we have yet come across. Not till 8 p. did the wind veer and then it went quickly—down from NW 12 to NE 3, after which it blew a moderate but increasing breeze from W to SW till midnight. At 2 a. on the 10th it blew S 12 with a terrible high cross sea, the typhoon worse than before, and the flying spray prevented seeing farther than 150 feet. The ship was unmanageable and lying in trough of the sea. Typhoon force lasted till 8 a. on the 11th, having blown for 48 hours except for the period of central calm (5 hours). At noon on the 10th September the centre was in 30°, 131°. It was moving slowly and recurving. At noon on the 11th the centre was in 32° 20′, 133° 0′, at 10 p. in 34° 0′, 135° 15′. At 6 a on the 12th it was in 38° 10′, 138° 15′. The pressure was about 30 05 N and NE of Japan, and the typhoon appears in consequence to have moved W, passing to the S of Wladivostock (9 p. 29.45 E 5 a.) H.M.S. *Narcissus* in about 48°, 140° experienced E gales on the 12th and 13th.

On the 12th at 11.15 a. "A depression seems to be forming in the trough of low pressure which exists across the China Sea in about 17° Lat. Forecast:—" moderate or fresh NE winds; fair."

On the 13th at 10.15 a. "Depression about 250 miles to the South of Hongkong." At 11.20 a. "The barometer has risen in the North, but on the S coast of China and at Bolinao there is no change." Forecast:—" fresh or strong NE and E winds; squally and showery."

On the 14th at 11.10 a. "The depression appears to be moving slowly westward. The barometer has risen generally except at Haiphong, and pressure is now normal on the China Coast and at Bolinao." Forecast:—" fresh E winds; at first squally with some rain, then improving."

On the 15th at 11.15 a. "The depression is probably situated to the SE of Hainan and moving slowly towards WNW. Changes of pressure are slight, except a considerable increase in the extreme North." Forecast:—" fresh E winds; generally fair, but squally."

On the 16th at 11.15 a. "The depression appears to be still lying to the SE of Hainan with probably a very slow motion towards WNW. No important changes of pressure have occurred since yesterday." Forecast:—" fresh E to SE winds; showery and squally."

On the 17th at 11.15 a. "The depression seems to be proceeding slowly towards the S part of the Gulf of Tongking. The barometer has risen slightly on the China Coast, fallen a little at Haiphong." Forecast:—" fresh or moderate E winds; showery and squally."

On the 10th, the previous typhoon having passed to the northward in the Pacific and approached SW Japan, pressure commenced to increase over S China. The increase continued on the 11th and extended to the E coast. On the 12th NE and E winds had gained strength on the S coast blowing with force 4, and in the China Sea in 20° Lat. with force 5. In about 15° Lat. light, and in 10° Lat. fresh, SW monsoon prevailed. In the intervening area, lying in about 17° Lat., winds were light and variable, the barometer being slightly lower than on either side.

On the 13th the same conditions were maintained, except that winds had increased slightly in strength and that the weather had become wet generally on its northern side. Also two vessels situated to the S of Hainan report occasional squalls of force 4 from NW, indicating that there was a tendency for the depression to become cyclonic in the neighbourhood of the Paracels. The character of the weather in the low is shown by observations made on board a vessel situated in about 17½°, 115½°, at noon on this day. The wind is described as variable in direction and very squally, the force varying from 1 to 6.

On the 14th the barometer had risen about 0.05 inch generally on the China coast and in Luzon, but it appears that the centre of a slight cyclonic depression (XIV) was situated in about 16°, 111°. At sea to the southward of Hongkong moderate E gales prevailed with wet weather, and strong NE winds were blowing in the Gulf of Tongking. Moderate to strong SW monsoon prevailed off the Annam coast in from 10° to 13° Lat.

On the 15th the centre was in 16½°, 109½°. The barometer had fallen a small amount along the S coast of China and about 0.05 inch in Hainan and the Gulf of Tongking. Off the coast to the S of Hongkong strong breezes to fresh gales from E prevailed and in the Gulf of Tongking strong NE winds. Moderate to strong SW monsoon continued to blow off the Annam coast to the southward of 15° Lat.

On the 16th a further slight fall of pressure had occurred in Hainan and the Gulf of Tongking where NE winds still blew strongly. The centre of the low pressure seems to have been in 17°, 108°.

On the 17th the barometer has risen much in Hainan and the Gulf of Tongking but slightly low pressure seems to have existed over N Annam during the following day. These slight depressions occasionally appear to form after the passage N of a typhoon in the Pacific, owing to increase of pressure on the China coast, NE winds spreading over the N part of the China Sea and the SW monsoon still blowing over the S part of the China Sea.

On the 21st September an elongated area of low pressure was lying in the S part of the Formosa Channel and S Formosa, stretching from NE to SW. The ship *L. Schepp* had moderate SW winds off S. Cape, and on the 22nd she had some fierce squalls from SW. Fresh or strong NE winds blew in the northern part of the Channel. On the 23rd the barometer was rising on the SE coast of China with fresh NE winds. In SW Formosa there blew fresh SW winds with rain. The S.S. *Thales*, leaving Anping for Amoy, had SE 8 or. and shortly after the wind backed to NE 5. On the 24th the barometer had still risen on the SE coast with fresh to strong NE winds in the N part of the Channel. The *Oopack* left Amoy at 5 p. bound S. She had NE 6 veering off Chapel Island to SE 9. Later she met some terrific rainsqualls from SSE. At 10 p. the wind shifted to SW 3 and the sky cleared. At Chapel Island lighthouse NNE 6 in the morning veered to ENE 4 at 3 p. with rain. At 6 p. there was a slight fall in the barometer with ESE 4. Evidently a typhoon would have formed, were it not for the nearness of the coast of the mainland. The centre of the disturbance (XV) was in 23°45′, 118°0′ at 6 p. on the 24th September, but it entered the coast immediately.

OCTOBER.

On the 30th September at 11.10 a. "A depression appears to be situated to the SE of Luzon. A further moderate fall of the barometer has occurred in Luzon and a slight fall on the China Coast. Pressure, however, remains near the normal in the latter area at present." Forecast:—"light to moderate NE winds; mostly fair, but some showers."

On the 1st October at 11.0 a. "The depression has entered the China Sea and appears to be situated off the coast of SW Luzon. Apparently it is moving towards WNW at present. The barometer has fallen generally on the China Coast and now reads slightly below the normal in Hongkong." Forecast:—"fresh or strong NE breezes; fair."

On the 2nd at 11.5 a. "The depression, which is probably situated to the SE of the Paracels, appears to be moving towards the Annam Coast The barometer is steady on the S coast of China and has risen on the E coast and in Luzon." Forecast:—"fresh or strong NE and E breezes; fair."

Pressure was slightly in excess both along the S coast of China and in Luzon on the 27th September, but next day a gradual decrease commenced in the latter area and on the 30th pressure was in defect 0.1 inch and upwards at the Eastern Extension Company's cable station, Bolinao, winds being at the same time light from the N at Manila. Next day, October 1st, the wind had changed to the SE at both stations, the barometer remaining low. These observations indicate, in a general way, a depression (XVI) moving westward to the southward of Luzon between the evening of September 30th and the morning of October 1st. Observations made on board the S.S. *Memnon* show that a depression, moving westward, was central at noon on the latter date near the position 13½°, 116½°. This vessel, on a voyage from Hongkong to N Borneo, passed from the NE to the SE quadrant during the course of the day, experiencing a moderate gale veering from ENE at 4 p. to SSE at midnight, the lowest barometer reading, 29.64, occurring at the former hour.

In the absence of more complete observations it seems doubtful whether this depression, which was of slight intensity, was still to the Eastward of the meridian of Bolinao on the evening of the 30th, otherwise it must have moved with a very high speed to attain the position which it had at noon on the 1st.

On the 2nd at noon the centre was situated in about 14°, 113° and on the 3rd in 14°, 109° when it passed into the Annam coast.

This was only a shallow depression and fresh breezes to moderate gales were the highest wind forces recorded at distances of 100 to 150 miles from the central area.

On the 3rd at 10.10 a. "Another depression appears to be situated in the Pacific to the E of N Luzon." At 11.15 a. "The barometer has risen in the extreme North and on the E coast of China, changes in other areas being slight. Pressure is about 0.1 inch in defect in Luzon and almost normal on the China Coast. Bad weather probably prevails off the Annam Coast." Forecast:—"fresh NE and E winds; fine." At 4.30 p. "The typhoon in the Pacific appears to be moving westward at present."

On the 4th at 6.30 a. "The typhoon is crossing Luzon and lies now to the NE of Bolinao A hurricane prevails at that station. At 10.30 a. Typhoon centre near to and N. of Bolinao, moving towards WNW and likely to pass to the S. of Hongkong, where a very heavy gale may be expected to-morrow." Forecast:—"N and NE winds, probably freshening to a gale; fine at first, then becoming unsettled. At 4.20 p. Red Drum hoisted.

On the 5th at 5.30 a. Black Drum hoisted. At 7.20 a. Gun fired one round. Very heavy NE to SE gale expected in Hongkong." At 10.10 a. Black South Cone hoisted. At 10.40 a. "Typhoon centre about 200 miles to the SE of Hongkong, moving towards WNW at present."

On the 6th at 5.35 a. Black Ball hoisted. At 10.30 a. "Typhoon centre about 100 miles to the SW of Hongkong, moving towards WNW." Forecast:—"decreasing E and SE gale accompanied by rainsqualls." At 10 p. Black Ball lowered.

On the 7th at 11.15 a. "The typhoon entered the coast last night to the NNE of Hoihow. The barometer has risen generally on the China Coast between Hongkong and Shanghai fallen in the Gulf of Tongking." Forecast:—"Strong SE to E breezes; squally and showery." The greatest wind velocity registered at the Observatory was 66 miles per hour at 5 a. on the 6th. At the Peak it reached typhoon force for a short time.

After the passage westward of the previous typhoon, pressure did not completely recover at Bolinao, but remained about 0.1 inch. below the normal on October 2nd. On the 3rd a rapid fall set in with the wind freshening from NW in the afternoon, thus indicating the advance, in a Westerly direction, of a typhoon (XVII) from the Pacific. The centre, which was probably situated in about 16°½, 124° at noon on this day, appears to have entered the E coast of Luzon the same evening. At midnight the wind at the Eastern Extension Cable Company's station, Bolinao, had risen to a fresh gale from W, which rapidly increased to storm force at 2 a. on the 4th. The barometer continued to fall at the station until 2 p. (29.30), the wind blowing with full typhoon force from W and WNW from 7 a. until noon when it backed to SW, and after 2 p. commenced to decrease in force with the barometer slowly rising (at 8 p. 29.52). The centre was situated in 17°¼, 120° at noon. The S.S. *Yuensan* about 130 miles to the W by N of this position, and steering for Manila, had then a moderate NNW gale with quickly falling barometer. At 2 p. the vessel was rightly steered towards SW at half speed, with the wind a strong NW backing gale. The barometer no longer fell but remained practically steady and they were able to resume their course, toward SE, in the evening.

The progress of the typhoon in a WNW direction was continued on the 5th, the centre being situated in 19° 15′, 116° 00′ at noon on this day. It was passing at a distance of about 150 miles to the S. of Hongkong late in the evening. It was preceded, as usual, by high temperature and low humidity until the Colony became within the inner storm area, *i.e.*, until the wind rose to a gale, when the rain set in. A strong to whole gale blew from NE and ENE during the evening. The lowest barometer reading, 29.48, was at 4 a. on the 6th and the highest wind velocity, 66 miles per hour at 5 a. from E by N, but the gale did not decrease materially until after 4 p.

The angle between the wind direction and the centre in the right-front quadrant was 11 points, in the right rear 12, in the left rear 11 and in the left front 13. It blew force 12 within 40 miles of the centre, 11 at 50 miles, 10 at 70 miles, 9 at 100 miles, 8 at 150 miles, 7 at 220 miles and 6 at 310 miles.

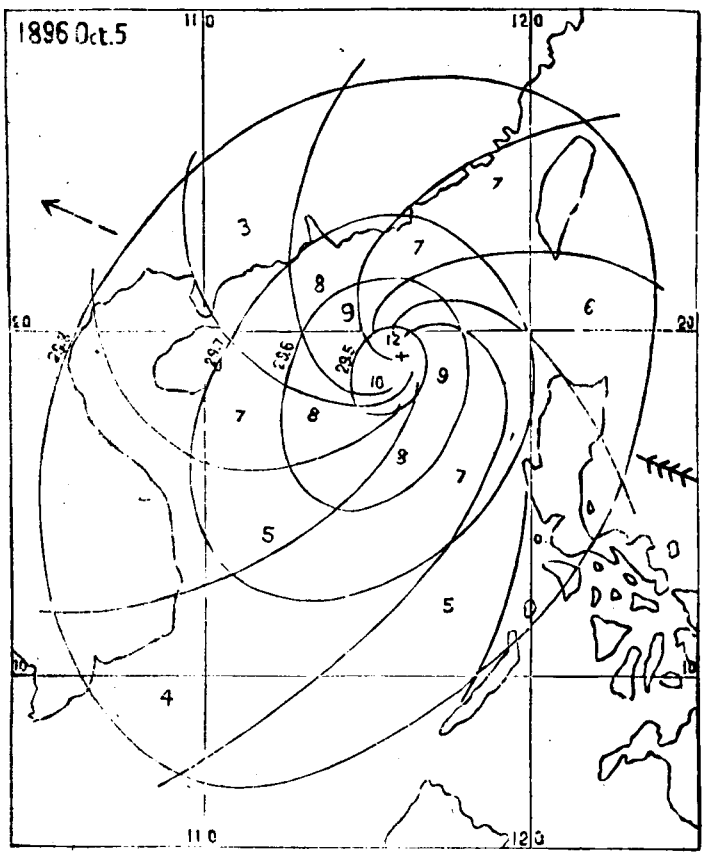
The following vessels, among others, experienced bad weather on the 5th and 6th in the N. part of the China Sea. On the 5th the S.S. *Progress*, steaming from Touron to Hongkong, proceeded too far and became involved in the typhoon. An attempt to run S, with an increasing N gale, proved too late, as the wind rose to typhoon force from N by E and NNE during the evening. Between 2 a. and 5 a. next morning, the 6th, the centre passed over the ship, calms and light airs being experienced during this interval with the barometer steady at 28.57. The central calm area was thus of large dimensions, and assuming that the vessel was practically stationary during its passage, it probably had a diameter of about 30 miles in the direction of advance of the disturbance. A large central area of light winds appears to be a feature of the typhoons of the NE monsoon period, as distinguished from those of the SW monsoon, when the centre is usually a well defined "bull's eye" of small diameter. After 5 a. the wind rose again from SSW, backing to S at 10 a. The D. R. position of the vessel at 1 a. on the 6th is given as 20° 07′, 113° 30′. From the barometrical observations made on board, the steepest gradient, just in front of the central area, was found to correspond to 0.40 inch in 15 miles.

On the 5th the S.S. *Shantung*, in the left-hand front quadrant and steering northwards, had a moderate W gale at 10 a. She was then very properly run to the SE and afterwards to E. They thus escaped any violent winds and were able to put the ship on her course again at 10 p. with the wind a strong SSW breeze and the barometer rising. On the contrary the S.S. *Namyong* was, on the same day, hove to in the left-hand front quadrant and experienced a heavy W backing gale, the vessel sustaining considerable damage.

The S.S. *Strathallan* passed through Hainan Straits bound for Hongkong at mid-day on the 5th. Outside the Straits they had the wind freshening from the NNW, the sea rising and the barometer falling quickly. The vessel was, however, kept on her course till midnight, when she was hove to on the port tack, the wind and sea having continued to increase during the evening. The wind was varying between NW and NNE during the early morning hours of the 6th but finally settled at NW, the squalls at 8 a. being terrific and of long duration with a tremendous "heaped up" sea. The vessel was doing nothing but drift with wind and sea. At 2 p. the barometric minimum, 28.63,

occurred, the typhoon being then at its worst, terrific squalls of long duration from SW and S following each other in quick succession. A terrible cross sea was running and torrents of rain falling. The barometer remained stationary until 3 p. when it commenced to rise, the wind blowing with even greater fury than before. Towards midnight the weather began to moderate. The vessel was therefore on the southern edge of the centre between 2 p. and 3 p Her position at noon on the 6th is not ascertained with accuracy, but it has been assumed as 20° 30′, 111° 40′. The total result of her drift between mid-night of the 5th and 8 a. of the 7th was towards S ¾ E, 34 miles. She sustained great damage. The centre at noon on the 6th is placed in 20° 40′, 112° 00′. At Hoihow Custom House a strong to whole gale from NW backing to W, was experienced during the afternoon and evening, the barometric minimum, 29.38, occurring between 3 p. and 4 p. The disturbance appears to have been moving westward. At noon on the 7th it was in 21½°, 109°. It, however, appears to have filled up rapidly on crossing the Lien Chau peninsula.

The average speed of the disturbance across the China Sea was at the rate of nearly 11 miles per hour.



On the 8th at 10.10 a. "Another depression appears to be situated in the Pacific to the E of Luzon." At 11.5 a. "Pressure has increased in the Gulf of Tongking and on the S coast of China, fallen in Luzon." Forecast:—"light or moderate SE to NE winds; changeable, some showers."

On the 9th at 10.20 a. "Typhoon crossing N Luzon apparently moving towards NW at present." At 11.5 a. "The barometer has fallen considerably at Bolinao and moderately on the SE and E coasts of China, risen in the Gulf of Tongking." Forecast:—"moderate or fresh N winds; unsettled, some rain."

On the 10th at 10.30 a. "The typhoon has entered the China Sea, the centre being now situated in about 18° Lat. 119° Long., and moving towards NW at present." At 11.5 a. "A full hurricane was experienced at the E. E. Telegraph Company's station, Bolinao, between midnight and 4 a. this morning. The barometer has risen considerably on the E coast of China and is inclined to fall in the neighbourhood of Hongkong. Pressure is rather low in Japan." Forecast:—"Moderate N winds, probably freshening considerably during the next 24 hours; fair to unsettled." At 4.15 p., Red Drum hoisted. At 7.35 p. Two lanterns hoisted vertically.

On the 11th at 10.35 a. Black Drum hoisted. At 11.30 a. "The centre of the typhoon appears to be lying about 250 miles to the SE of Hongkong, moving slowly towards WNW at present. It will most probably pass to the S of Hongkong. Heavy gale expected here from N to SE." At 11.45 a Gun fired one round.

On the 12th at 11.30 a. Black Drum lowered. "The typhoon seems to have continued on its original course towards NW yesterday, and is probably recurving near Swatow this morning. A strong NNW gale blew at Gap Rock last night. No reports received from Swatow and Amoy this morning. The barometer has fallen in the N part of the Formosa Channel and on the E Coast of China, and remains low and almost steady in Hongkong. In Luzon and the Gulf of Tongking

pressure has increased." Forecast:—"strong NW winds; fair. NW gales off shore." At noon "Typhoon in S part of the Formosa Channel."

On the 13th at 11.10 a. "The typhoon, which has probably filled up considerably, seems to be crossing N Formosa moving towards ENE. Pressure has increased about 0.2 inch between Hongkong and Amoy and remains steady at Shanghai." Forecast:—"light N winds; fine, clear."

On the 8th, the previous typhoon having scarcely disappeared on the mainland to the North of the Gulf of Tongking, pressure was again giving way at the Eastern Extension Cable Company's station, Bolinao, the fall being accompanied by light and moderate breezes from N and NW. The advance of another disturbance, (XVIII) which may have been central at noon on this day, in about 15½°, 125°, was thus indicated and the Bolinao observations show that on the 9th the typhoon entered the E coast of Luzon and was crossing the northern provinces. Probably at noon the centre was situated near 16½°, 122°. From 11 a. to midnight a strong to whole gale blew at Bolinao from NW and W, the barometer falling steadily but not rapidly during this interval. The minimum, 29.39, occurred at 4 a. on the 10th and a hurricane from W slowly backing to WSW raged between midnight and 4 a. After the latter hour the barometer rose with the wind decreasing to a fresh gale from SW at 6 a. The disturbance was moving towards NW, the centre being situated at noon on this day, the 10th, in about 18°, 120°. The S.S. *Esmeralda*, at noon about 100 miles to the W of this position and steering for Manila, experienced a fresh to strong NW backing to SW gale. Pressure was at this time increasing over China and strong NE gales already prevailed in the Formosa Channel.

On the 11th at noon, the disturbance having continued to move towards NW, the centre was situated in 19°30′, 117°45′. Pressure had increased during the previous 24 hours on the E and SE coasts of China and in Formosa, the Hongkong district alone showing a decrease which was, however, slight. Strong NE gales continued in the Formosa Channel and a strong NNW gale blew at Gap Rock during the evening of the 11th and morning of the 12th, but only fresh N and NW breezes blew in Hongkong the harbour being sheltered by the hills to the northward. The aspect of the sky towards the SE and E clearly showed the presence of the disturbance at no great distance. The sm-cum clouds, above which was c-str, came from ENE, the lower cumulus coming from N and NE. The barometer fell slowly until 10 p. when, after rising slightly, it remained almost stationary until noon of the 12th when it began to rise decidedly.

The S.S. *Tailee* left Swatow on the 10th at 5 p. and anchored at the mouth of the river, as there were signs of the typhoon approaching. At 1 p. on the 11th she left for Deli. The same night, near Breaker Point NNE 10, she was hove to on the port tack, as they could not get her head round on the other tack, and suffered full typhoon force from NNE (29 31 at 7 a. on the 12th). The wind backed and decreased to W 6 at 2 p. At 5 p. she proceeded on her voyage. The S.S. *Namoa*, coasting between Swatow and Hongkong on the 11th, experienced a whole gale from NE at noon accompanied by rainsqualls and much heavy confused sea at a distance of 70 miles to the ENE of the Colony, the wind moderating somewhat and backing to NW as she approached the island. The S.S. *Ocampo* passed close to the centre at midnight. She had run down the Formosa Channel with a strong NNE and NE gale, but the barometer fell very little until between 8 p. and midnight, during which interval it suddenly fell 0 3 inch, from 29.66 to 29.36, the wind being of typhoon force from NNE at the latter hour, quickly backing to NW and decreasing with rising barometer. The vessel was situated in 21°34′, 116°40′ at midnight and the centre may be placed in 21°20′, 117°00′ at this hour. It had commenced to recurve, the high pressure, apparently lying over the continent to the NW, not having permitted the disturbance to continue on its former course.

At noon on the 12th the centre was situated in 23° 0′, 117° 40′. The centre passed E of Lamocks (9a. NNE 10 backing). In the N part of the Formosa Channel strong winds and gales from NNE prevailed, so that the wind was blowing directly towards the centre in this part of the disturbance, and in consequence it could not move up the Channel and its course became more and more Easterly and even towards ESE on passing S of the Pescadores late in the evening. The S.S. *Cosmopolit*, sheltered in Makung harbour, Pescadores, experienced a strong to whole SSE gale during the afternoon, the barometer falling steadily. Later the wind backed to SE increasing to typhoon force at 8 p. At 9.30 p. the barometric minimum, 29.34, occurred, the wind decreasing at the same time to force 3 and 4 from ESE, increasing to force 7 at 10 p. At 11 p. the wind came with full typhoon force from NNE which lasted until 1 a. when it began to decrease slowly, and at 6 a. the barometer had risen to 29.81 with N 9 to 10. Observations kindly made by Mr. A. W. Bain at Anping show that a S gale had been blowing there since noon of the 12th and that it increased to typhoon force from the same direction at 11 p. and lasted to 1 a., when it fell nearly calm with the barometric minimum 29.41 At 1 45 a. the wind rose again and blew with typhoon force from the NE backing to N at 2 a. At 6 a the barometer had risen to 29.74 and a N gale prevailed. Dr. Myers kindly furnishes some observations made at Takow. He writes:—"The wind up to 1 a m. from SW, blowing with about force 6. At 1.30 a.m. on the 13th comparative lull for half an hour when the wind came strongly from NE force 6 to 8 of Beaufort's scale." He observed the barometric minimum, 29.42, at 1 a. Both stations were therefore within the area of light winds. The observations present some anomalies, but on the whole the actual centre would appear to have passed nearest

to Anping. The action of the mountain chain, running N and S in Formosa, in breaking up the disturbance was no doubt complete in this instance, and probably the wind direction at both stations was greatly influenced, after the passage of the centre, by the strong NE monsoon blowing down the Formosa Channel.

On the 13th and 14th Typhoon XIX moved NE along the S coast of Japan causing gales to blow there.

On the 29th at 11.15 a. A further moderate fall of the barometer has occurred at Bolinao, and a depression probably lies at some distance to the Southward of that station. On the China Coast pressure is also inclined to decrease. Forecast:—"moderate or fresh NE winds; fine. Strong NE winds and gales in the N part of the China Sea."

On the 30th at 11.10 a. The depression, which seems to be moving westwards, is probably situated to the NW of Palawan. The barometer has risen considerably at Bolinao, fallen slightly on the China Coast. Forecast:—"moderate N and NE winds; fine.

On the 31st at 11.20 a. The depression appears to be proceeding towards the S. coast of Annam. The barometer has risen considerably over China and at Bolinao, fallen in the extreme North. Pressure is low, apparently, in the N part of the Sea of Japan. Forecast:—"fresh N winds; dull, some drizzling rain. Strong winds and gales over the NW part of the China Sea."

On the 1st November at 11.30 a. The barometer has risen generally, except in E Japan and the Gulf of Tongking. Bad weather probably prevails off the Annam and Cochin China coasts, where pressure appears to remain low. Forecast:—"fresh or strong NE breezes, fair.

Between October 26th and 28th pressure decreased slowly in Luzon accompanied by light winds from N and E at Bolinao. On the 29th a further fall had occurred at this station the barometer reading about 0.1 inch below the normal. The wind was still light but was now from E and SE. During the period October 26th to 29th the observations indicate an area of slightly low pressure lying over the southern Philippine Archipelago and adjacent seas, but the data are insufficient to prove that a cyclonic depression traversed the Archipelago to the Southward of Luzon moving towards the China Sea. The observations made on board the S.S. *Deucalion* and other vessels on the 29th show that a feeble and imperfectly developed depression (XX) was lying apparently to the NW of Palawan. The S.S. *Deucalion* had light to moderate NW winds on the 28th between the positions 10° 43′, 120° 02′, at noon, and 11° 51′, 119° 38′, at midnight. On the 29th at 4 a. the barometer, 29.83, showing a slight fall during the past 12 hours, the wind became variable of force 1 and the weather rainy. At 8 a. they had ESE 1 with rain, and as they steered northwards during the evening the force increased to 3 from ESE and SE. Light S winds blew at Cape St. James on this day.

On the 30th at noon the depression was probably central near the position 13°, 114° at noon. Light and moderate E winds prevailed on the W coast of Luzon, strong NNE and NE winds in the China Sea to the N of 17° Lat. while the S.S. *Deuteros* had a NW gale with falling barometer off the Annam coast in about 12½° Lat.

On the 31st at noon the centre was probably situated in about 13¼°, 112°. The S.S. *Deuteros*, which had been hove to since the previous day, now put into Honcohe Bay (12°38′, 109°14′) for shelter. The wind was a fresh NW breeze and the barometer was falling. The S.S. *China*, off the Annam coast in about 14° Lat. at noon, and steering south, had a moderate to strong NNE gale during the morning and a WSW and WNW decreasing gale during the evening. The S.S. *Ravenna*, steering NNE from her noon position, 11°37′, 110°52′, had the barometer falling slightly with a fresh NW breeze accompanied by rain and high confused sea until 8 p., but at 9 p. the wind shifted and blew a strong breeze from SSE with much rain. The barometer then began to rise, the wind continuing of force 5 from SSE until noon of the 1st.

The depression had entered the Annam coast probably in about 13° Lat. before noon of the 1st November. No observations were entered in the logbook on board the S.S. *Deuteros* during her stay in Honcohe Bay, but the disturbance appears to have passed near the anchorage. The vessel left, bound North, during the afternoon and encountered a strong SE decreasing breeze outside.

Extract of Observations made on board ships in the Far East in 1896.

The corrections to barometer and aneroid readings made on board ships are determined as far as possible, by comparing the readings entered on our forms or in the Logbooks when the vessel is in port with more reliable instruments read on shore, but no allowance can be made for scale errors, and the index errors are supposed to vary with the time. Observations made on board ships are usually very rough. With regard to the direction and force of the wind, frequently the motion of the vessel is not taken into account. The weather symbols given are those in general use to denote the state of the sky and weather with the exception of k, which is here used whenever the term "clear" or "fine" is written in the Logbook. These latter terms are too indefinite to admit of a clear interpretation as regards the state of the sky. The following observations were all made at noon (true time):—

MAY, 1896.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
May 1st.						
Strathleven, str.	49° 10′	169° 42′	29.43	W/S	10	f.
Empress of Japan, str.	43 48	150 10	30.01	N	4	os.
Wm. J. Rotch, sh.	40 48	139 7	.08	WSW	2	k.
Verona, str.	35 8	139 41	.05	NE/E	4	c.
Taiyuan, str.	35 ...	139 ...	.07	NE/E	5	o.
Argyll, str.	32 15	128 45	.15	N	4	c.
Natal, str.	31 58	123 56	.20	NE	1	o.
Chi Yuen, str.	31 15	121 29	.26	ESE	1	og.
Ancona, str.	30 29	126 39	.18	N	3	or.
China, str.	30 0	173 5	.30	N	2	k.
City of Rio de Janeiro, str.	28 38	170 4	.31	NE	2	c.
Empress of India, str.	28 16	121 53	.13	NNE	5	o.
Sungkiang, str.	24 28	118 4	.14	SE	4	c.
Australia, str.	23 24	117 45	.07	NE	5	o.
Benmohr, str.	23 16	118 5	.08	var.	1	f.
Chingtu, str.	22 42	115 59	.05	ENE	5	o.
Progress, str.	21 59	113 51	...	NE	5	o.
Manila, str.	21 4	113 52	.04	NE	4	op.
Frejr, str.	20 5	110 40	29.99	ENE	2	c.
Gerard C. Tobey, bk.	18 38	122 20	.98	S	6	k.
Wuotan, str.	18 13	110 56	.94	ENE	1	og.
Nanchang, str.	18 8	113 33	.93	E	4	k.
I.M.C.C. Likin,	17 32	110 42	.97	ENE	...	c.
Phra Chom Klao, str.	15 5	110 12	.90	E	2	or.
Hupeh, str.	13 20	112 6	.95	ENE	4	c.
Memnon, str.	12 53	119 11	.94	N	3	c.
Apenrade, str.	11 55	112 37	.88	ENE	3	k.
Anjer Head, str.	10 52	108 24	.91	SW	2	k.
Phra Nang, str.	10 49	102 13	.88	..	0	k.
Brindisi, str.	10 37	110 0	.89	ENE	3	crqlt.
Bittern, bk.	9 11	108 21	...	ENE	2	c.
Kristina Nielsson, brig.	8 6	105 0	.90	var.	...	or.
Columbus, sh.	5 16	109 14	.90	ENE	3	c.
May 2nd.						
Strathleven, str.	47 47	166 19	29.54	WSW	10	os.
Wm. J. Rotch, sh.	41 41	137 36	30.12	SW	4	k.
Empress of Japan, str.	39 54	144 12	.21	NW	4	k.
Braemar, str.	33 59	137 46	.19	N	5	k.
Argyll, str.	33 58	130 56	.16	NE	2	c.
Belgic, str.	33 46	132 24	.24	ENE	4	c.
Natal, str.	33 39	129 47	.19	NE	1	b.
Chi Yuen, str.	31 15	121 29	.13	SE	2	or.
City of Rio de Janeiro, str.	29 49	164 30	.25	var.	1	k.
China, str.	29 20	179 22	.28	ESE	3	c.
Ancona, str.	27 11	122 26	.07	NE	3	o.
Nanchang, str.	21 40	113 51	29.99	ENE	6	o.
Sungkiang, str.	20 49	118 53	...	NE	5	c.
Gerard C. Tobey, bk.	19 19	120 0	.94	E	5	k.
Phra Chom Klao, str.	18 41	111 38	.90	ENE	3	orq.
Memnon, str.	16 32	117 20	.95	N	1	c.
Wuotan, str.	14 18	110 22	.89	SE	1	ortl.
Brindisi, str.	14 8	112 15	.89	NE	4	crqtu.
Apenrade, str.	13 6	116 4	.87	ENE	5	k.
China, str.	12 31	109 30	.91	N	1	o.
Phra Nang, str.	8 19	104 48	.87	E	3	o.
Kristina Nielsson, brig.	7 55	105 30	.86	E/N	var.	...
Anjer Head, str.	7 31	106 31	.88	S	3	k.
Columbus, sh.	6 7	109 15	.90	E	2	c.
Karlsruhe, str.	5 19	106 22	.90	SE	2	c.
Kutsang, str.	3 37	105 46	.91	...	0	cp.
Airlie, str.	3 4	124 29	...	NE	4	cp.
May 3rd.						
Strathleven, str.	46 20	163 10	29.98	W	7	...
Wm. J. Rotch, sh.	42 4	133 48	.85	SSW	5	or.
Sabine Rickmers, str.	38 11	121 41	.97	var.	1	o.
Empress of Japan, str.	34 59	140 20	30.27	S	3	k.
Belgic, str.	34 40	135 11	.15	E	4	o.
Argyll, str.	33 58	130 56	29.93	E	7	orq.
Empress of India, str.	32 7	126 32	.89	WNW	3	or.
Chi Yuen, str.	31 15	121 29	30.03	NNW	3	og.
City of Rio de Janeiro, str.	30 58	158 38	.15	W N	2	o.
Pekin, str.	27 58	122 14	29.96	NNE	4	m.
Ancona, str.	24 0	118 33	.97	var.	1	m.
Mirzapore, str.	23 24	117 45	.97	ENE	4	o.
Hertha, str.	23 1	116 57	.94	NE	4	c.
Strathesk, str.	22 52	116 39	.92	NE	4	k.
Cassius, str.	22 33	114 59	.97	NE	3	c.
Phra Chom Klao, str.	21 11	113 55	.91	ENE	4	o.
May 3rd.						
Memnon, str.	19° 53′	115° 34′	29.94	N	3	c.
Sonora, bk.	19 45	112 38	...	SE	5	og.
Gerard C. Tobey, bk.	19 36	117 10	.94	E	2	k.
Hupeh, str.	19 15	114 6	.95	ENE	4	c.
Brindisi, str.	17 43	113 32	.91	NNE	3	crq.
Sungkiang, str.	16 35	119 11	.86	S	2	c.
China, str.	15 57	110 21	...	ENE	3	o.
Apenrade, str.	14 14	119 32	.88	ENE	5	k.
Wuotan, str.	11 17	109 6	.86	ENE	3	k.
Phra Nang, str.	10 22	107 56	.87	ENE	3	k.
Karlsruhe, str.	9 58	108 39	.89	NE	2	cp.
Bittern, bqt.	9 36	107 54	...	ENE	1	o.
Kristina Nielsson, brig.	8 2	105 44	.85	E	2	o.
Kutsang, str.	7 22	108 2	.90	E	3	c.
Airlie, str.	6 48	122 11	...	NW	2	o.
Columbus, sh.	6 35	109 6	.90	ESE	1	c.
Anjer Head, str.	3 48	104 53	.90	SW	2	k.
Helen Brewer, sh.	1 20	166 5	...	NE	2	k.
May 4th.						
Strathleven, str.	44 17	159 20	30.12	WSW	6	k.
Wm. J. Rotch, sh.	41 45	132 55	29.75	WNW	5	k.
Empress of Japan, str.	35 25	139 41	.81	S	1	o.
Erato, str.	34 51	139 23	.76	WSW	8	o.
Sabine Rickmers, str.	34 43	122 57	30.14	W	4	b.
Belgic, str.	34 41	139 8	29.78	ENE	4	c.
Argyll, str.	33 58	130 56	30.03	ENE	3	c.
Harrow, str.	33 48	136 47	29.86	NNE	5	oq.
Natal, str.	33 26	135 40	.90	...	0	c.
Chi Yuen, str.	32 40	122 43	30.23	N	1	k.
City of Rio de Janeiro, str.	32 16	152 43	.25	SSE	6	k.
Mirzapore, str.	26 46	120 55	.26	NNE	6	op.
Hertha, str.	24 49	119 43	.08	NNE	8	ogr.
Strathesk, str.	24 23	118 45	.15	NE	8	oq.
Pekin, str.	23 50	118 10	.10	NNE	7	or.
Cassius, str.	23 28	117 24	.10	NE	7	or.
Phra Chom Klao, str.	22 56	116 34	.01	NE	6	o.
Brindisi, str.	21 56	113 58	29.98	ENE	5	omgrq.
Gerard C. Tobey, bk.	21 0	116 4	...	E	6	o.
Esmeralda, str.	19 20	116 24	.97	E	3	o.
China, str.	19 7	112 1	.95	NE	2	o.
Sonora, bk.	18 28	111 52	...	E	2	c.
Progress, str.	17 57	108 6	...	var.	1	or.
Karlsruhe, str.	15 1	110 24	.95	ENE	1	c.
Sungkiang, str.	14 36	120 57	.82	E	3	c.
Phranang, str.,	13 42	110 2	.91	NNE	2	k.
Airlie, str.	10 57	121 38	...	N	2	c.
Kutsang, str.	10 57	110 10	.92	NE	3	b.
Bittern, bqt.	10 8	108 11	...	E	4	c.
Kristina Nielsson, brig.	8 2	105 55	.87	E	2	og.
Columbus, sh.	7 7	109 14	.91	ESE	1	c.
Helen Brewer, sh.	2 54	165 5	...	ENE	2	k.
May 5th.						
Strathleven, str.	42 41	155 22	.69	W	7	k.
Chi Yuen, str.	36 27	122 50	30.06	SSW	3	k.
Harrow, str.	35 25	139 39	.03	NE	4	o.
Java, str.	35 7	139 43	.04	S	3	k.
Taiyuan, str.	35 ...	139 ...	.03	E	3	k.
Empress of India, str.	33 59	132 43	.09	var.	1	k.
Argyll, str.	33 58	130 56	.08	E	2	b.
Erato, str.	33 35	136 7	.06	SW	5	k.
City of Rio de Janeiro, str.	33 15	146 39	29.93	W	3	k.
Mirzapore, str.	31 3	122 12	30.12	NE	4	k.
Sabine Rickmers, str.	30 52	123 22	.07	SE	3	b.
Hertha, str.	25 34	121 37	.02	NE/E	5	o.
Strathesk, str.	25 12	119 46	.07	NE/N	6	o.
Lyeemoon, str.	22 53	116 29	.01	ENE	5	o.
Manila, str.	22 45	116 11	29.99	ENE	7	o.
China, str.	21 43	113 42	30.01	NE	6	orq.
Hanoi, str.	20 20	110 40	...	SE	4	...
Karlsruhe, str.	19 30	112 27	29.93	NE	3	or.
Phra Nang, str.	17 38	111 1	.90	...	0	k.
Sonora, bk.	16 57	111 18	...	...	0	c.
Esmeralda, str.	16 20	118 27	.87	SE	2	k.
Airlie, str.	14 50	119 19	.83	NNW	2	c.
Sungkiang, str.	14 36	120 57	.84	ESE	3	c.
Kutsang, str.	14 25	112 20	.92	...	0	b.
Bittern, bqt.	10 45	108 20	...	SE	2	c.
Kristina Nielsson, brig.	8 25	106 27	.90	SSW	...	...

MAY, 1896.

Vessel.	Lat. North.	Long. East.	Bar.	Wind. Dir.	Wind. For. 0-12	Weather.
			ins.			
May 5th.						
Columbus, sh.	7°43′	109°46′	29.92	WSW	3	c.
Helen, Brewer, sh.	4 16	164 40	...	NE	2	o.
May 6th.						
Gaelic, str.	45 53	173 23	29.68	W/S	6	c.
Strathleven, str.	41 25	152 11	.70	WSW	7	c.
Chi Yuen, str.	38 25	119 34	30.07	NW	1	k.
Braemar, str.	37 33	142 0	29.89	N	3	k.
Empress of India, str.	34 43	135 9	.94	var.	1	o.
City of Rio de Janeiro, str.	34 41	140 58	.95	SW	4	k.
Taiyuan, str.	34 ...	135 ...	.99	...	0	k.
Argyll, str.	33 45	130 ...	.98	var.	2	omd.
Empress of Japan, str.	33 43	132 ...	30.02	NW	3	o.
Java, str.,	33 30	135 23	.00	NW	4	o.
Strathesk, str.	28 0	121 55	29.96	NE	2	or.
Sabine Rickmers, str.	27 35	121 27	.89	NE	2	or.
Hertha, str.	27 34	125 16	.82	NW	5	orq.
Manila, str.	25 44	119 49	.86	...	0	k.
Lyeemoon, str.	25 39	120 6	.88	NE	1	or.
Chingping, str.	22 59	116 47	.90	NE	3	k.
Hanoi, str.	21 28	109 5	...	N	...	...
Phra Nang, str.	20 41	113 0	...	ENE	3	or.
Osborne, str.	19 43	113 40	.91	E	5	c.
Airlie, str.	18 18	117 14	...	NNW	2	c.
Kutsang, str.	18 13	113 38	.89	NE	3	c.
Sonora, bk.	16 10	111 7	...	...	0	...
Esmeralda, str.	14 36	120 57	.85	E	2	op.
Sungkiang, str.	14 36	120 57	.83	SE	2	o.
Bittern, bqt.	11 0	108 38	...	SW	2	c.
Columbus, sh.	9 14	110 48	.90	NW/W	3	c.
Kristina Nielsson, brig.	8 40	107 13	.86	S	2	...
Helen Brewer, sh.	6 45	163 4	...	NE	6	oq.
Namyong, str.	3 36	105 35	.89	SW	1	...
Casa Blanca, bk.	1 33	124 26	...	var.	2	k.
May 7th.						
Gaelic, str.	45 7	166 41	29 63	WSW	4	om.
Braemar, str.	41 32	141 28	.77	NW	2	k.
Strathleven, str.	39 47	148 40	.81	var.	3	c.
Chi Yuen, str.	38 53	117 51	.92	S	2	k.
Bygdo, str.	38 40	120 59	.90	SW	2	k.
Belgic, str.	37 39	144 50	.87	N/W	5	or.
City of Rio de Janeiro, str.	35 25	139 39	...	NE	1	...
Argyll, str.	31 ...	126 30	30.03	NW	4	c.
Strathesk, str.	30 10	124 12	.16	NE	4	k.
Hertha, str.	29 33	129 10	29.94	N/W	5	orq.
Lyeemoon, str.	29 27	122 20	30.10	NNW	1	c.
Manila, str.	28 59	122 12	.08	NNE	2	k.
Nanyang, str.	27 35	121 37	.11	N	3	c.
Sabine Rickmers, str.	24 42	118 58	.03	ENE	6	or.
Chingping, str.	24 40	118 48	.08	NE	5	k.
Airlie, str.	21 54	114 15	...	NE	6	o.
Kutsang, str.	21 54	113 53	29.98	NE	4	omd.
Hanoi, str.	21 28	109 6	...	S	4	k.
Chingtu, str.	19 40	116 4	.90	ENE	7	o.
Yuensang, str.	16 18	118 45	.84	NW	3	cp.
Osborne, str.	15 50	113 40	.83	WSW	4	c.
Sonora, bk.	15 28	110 53	...	NW	2	og.
Esmeralda, str.	14 36	120 57	.84	...	0	o.
Sungkiang, str.	14 36	120 57	.80	var.	1	c.
Bittern, bqt.	11 47	109 27	...	W	4	c.
Columbus, sh.	10 5	111 29	.91	W	2	c.
Keong Wai, str.	9 46	102 58	.90	SSE	4	c.
Helen Brewer, sh.	9 33	160 53	...	NE	6	...
Kristina Nielsson, brig.	9 15	108 36	.85	WSW	2	oq.
Namyong, str.	6 58	107 29	.94	SSW	3	...
Anjer Head, str.	4 20	105 24	...	W	2	orq.
Casa Blanca, bk.	1 58	124 14	...	N	1	k.
Harland, sh.	0 49	106 11	...	WSW	4	or.
May 8th.						
Gaelic, str.	43 22	160 49	29.85	WNW	4	cq.
Belgic, str.	40 7	150 23	30.08	N	4	c.
Chi Yuen, str.	38 55	117 51	29.83	SE	2	og.
Strathleven, str.	37 30	144 16	30.13	var.	3	k.
City of Rio de Janeiro, str.	34 23	138 36	.15	E	2	k.
Strathesk, str.	32 33	127 23	.22	NE	2	k.
Hertha, str.	31 30	132 26	.14	NE/N	4	c.
Empress of Japan, str.	31 28	124 0	.19	E	2	k.
Argyll, str.	28 15	123 15	.12	NE	2	b.
Chingping, str.	25 45?	119 42	.14	NNE	5	k.

Vessel.	Lat. North.	Long. East.	Bar.	Wind. Dir.	Wind. For. 0-12	Weather.
			ins.			
May 8th.						
Nanyang, str.	24°18′	118°44′	30.06	NNE	5	c.
Hohenzollern, str.	23 0	116 44	.09	NE	6	o.
Karlsruhe, str.	22 48	116 24	.07	ENE	6	c.
Nanchang, str.	22 23	114 52	.04	ENE	4	k.
Pathan, str.	22 21	114 56	...	ENE	4	k.
Jacob Christensen, str.	19 50	112 55	29.96	ENE	6	k.
Yuensang, str.	19 33	115 53	.94	NE	6	oq.
Chingtu, str.	16 14	117 58	.83	var.	4	olr.
Esmeralda, str.	14 36	120 57	.83	E	2	k.
Sungkiang, str.	14 36	120 57	.78	SE	2	c.
Sonora, bk.	14 15	110 50	...	...	0	opq.
Bittern, bqt.	12 17	110 54	...	NNW	2	c.
Osborne, str.	12 5	111 35	.86	WSW	3	c.
Helen Brewer, sh.	11 40	157 40	...	NE	5	k.
Columbus, sh.	10 50	112 8	.89	NW	2	c.
Namyong, str.	10 15	108 45	.86	NE	4	...
Kristina Nielsson, brig.	9 43	109 27	.88	N/E	1	orq.
Keong Wai, str.	8 55	106 30	.91	SE	4	o.
Anjer Head, str.	8 17	106 28	.87	NW	4	k.
Japan, str.	4 14	105 55	.93	SW	3	...
Harland, sh.	4 11	105 22	...	S	2	og.
Casa Blanca, bk.	1 41	125 30	...	SSW	4	o.
May 9th.						
Belgic, str.	42 33	156 22	30.29	NNW	4	c.
Gaelic, str.	41 0	154 6	.38	W	2	c.
Chi Yuen, str.	38 53	117 51	29.85	NE	2	og.
Empress of India, str.	37 4	144 5	30.32	SW	2	k.
Bygdo, str.	36 24	122 46	29.94	S	4	k.
Verona, str.	35 11	139 43	30.32	SW	3	c.
Strathleven, str.	34 59	140 17	.35	SW/W	3	k.
Java, str.	34 21	133 42	.33	SE	2	k.
Hertha str.	33 48	137 0	.34	ESE	2	c.
City of Rio de Janeiro, str.	32 18	133 37	.33	SE	3	k.
Chingping, str.	28 28	122 0	.08	NNE	3	k.
Ancona, str.	25 53	118 0	.03	NE	4	k.
Hohenzollern, str.	25 50	120 55	.02	N	5	o.
Karlsruhe, str.	25 47	120 14	.05	N	4	o.
Argyll, str	25 30	120 15	.04	N	4	o.
Nanchang, str.	24 3	117 56	.01	NE/E	4	k.
Pathan, str.	23 59	118 5	29.98	NE	4	...
Cassius, str.	22 49	116 31	.95	E	3	b.
Nanyang, str.	22 14	114 36	.99	NE	3	c.
Jacob Christensen, str.	16 36	110 22	.87	ESE	3	o.
Esmeralda, str.	14 36	120 57	.86	NE	3	o.
Sungkiang, str.	14 35	120 57	.84	E	4	o.
Namyong, str.	13 17	109 54	.90	N	3	...
Chingtu, str.	13 6	120 27	.80	SSE	2	c.
Helen Brewer, sh.	12 56	155 4	...	NE	4	orq.
Bittern, bqt.	12 56	112 6	...	SW	2	c.
Keong Wai, str.	11 57	109 20	.89	SSE	4	c.
Sonora, bk.	11 54	110 35	...	...	0	c.
Columbus, sh.	11 40	112 26	.92	W	4	c.
Kristina Nielsson, brig.	9 56	109 52	.86	SW	5	...
Osborne, str.	8 21	109 21	.87	SW	4	k.
Wm. H. Connor, sh.	7 35	108 38	...	SW	2	k.
Japan, str.	7 29	108 21	.92	SW	3	...
Harland, sh.	5 45	106 13	...	S	5	og.
Casa Blanca, bk.	1 25	125 53	...	SSW	6	o.
May 10th.						
Belgic, str.	44 35	163 3	30.45	NW	3	c.
Empress of India, str.	40 27	150 32	.41	SW	4	k.
Chi Yuen, str.	38 53	117 51	.12	NE	2	op.
Gaelic, str.	38 31	147 36	.54	WSW	4	c.
Java, str.	33 57	129 35	.28	E	4	k.
Verona, str.	33 56	135 2	.17	SSE	3	c.
Bygdo, str.	33 50	122 52	...	S	4	k.
Erato, str.	33 45	134 47	.14	SW	5	k.
City of Rio de Janeiro, str.	32 18	129 38	.28	ESE	3	k.
Chingping, str.	32 2	123 8	.06	SSE	4	m.
Karlsruhe, str.	30 32	122 27	.06	...	2	or.
Empress of Japan, str.	28 42	122 14	.06	NW	3	ofr.
Hohenzollern, str.	28 30	125 53	.13	SE	4	o.
Pathan, str.	26 51	121 2	29.98	var.	var.	ofr.
Ancona, str.	26 41	121 56	30.01	E	2	oq.
Nanchang, str.	26 28	120 39	.00	NE/N	2	f.
Argyll, str.	23 ...	117 ...	.05	...	0	o.
Ask, str.	21 36	113 20	.02	NE	4	o.
Wingsang, str.	21 22	113 51	.00	NE/E	4	...

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
May 10th.						
Cassius, str.	20° 8′	113° 32′	29.94	ENE	4	...
Memnon, str.	19 30	115 8	.95	SE	3	c.
Glenfalloch, str.	19 10	113 48	.94	E	4	c.
Namyong, str.	16 19	110 57	.90	NNE	4	p.
Keong Wai, str.	15 27	110 13	.89	NE	3	c.
Helen Brewer, sh.	14 37	151 41	...	ENE	5	orq.
Esmeralda, str.	14 35	120 57	.87	N	4	or.
Sungkiang, str.	14 35	120 57	.83	E	1	op.
Bittern, bqt.	14 14	112 57	...	SSW	2	c.
Progress, str.	13 47	109 13	...	NW	...	...
Columbus, sh.	12 32	112 50	.90	S	1	cr.
Jacob Christensen, str.	12 17	109 20	.88	E	4	o.
Kristina Nielsson, brig.	11 12	110 57	.86	var.	5	...
Sonora, bk.	10 42	110 54	...	SW	2	opq.
Japan, str.	10 38	110 24	.92	S	4	...
Siam, str.	10 14	102 39	.93	SSW	4	o.
Wm. H. Connor, sh.	9 50	109 16	...	SW	5	k.
Chingtu, str.	9 19	121 51	.82	W	3	of.
Harland, sh.	6 45	106 49	...	var.	2	og.
Osborne, str.	5 11	106 48	.86	SW	4	c.
Catherine Apcar, str.	4 0	106 2	.90	S	...	og.
Marie Jebsen, str.	2 59	104 53	.93	var.	2	k.
Casa Blanca, bk.	2 0	125 54	...	S/W	5	o.
Evandale, str.	1 35	104 39	.86	S	3	ol.
May 11th.						
Belgic, str.	46 1	170 17	30.08	SW	4	or.
Empress of India, str.	43 33	157 19	.30	WSW	4	m.
Chi Yuen, str.	38 53	117 51	29.96	S	2	k.
Gaelic, str.	36 1	141 54	30.31	SW	4	c.
Chingping, str.	35 15	123 10	.14	W	4	k.
Verona, str.	34 40	125 12	.16	S	3	c.
Java, str.	31 50	124 50	.09	NW	5	o.
Erato, str.	31 25	131 31	.08	SE	6	oq.
Hohenzollern, str.	31 3	131 25	.14	SSE	4	k.
Bygdo, str.	30 12	123 5	.09	NW	3	k.
Nanchang, str.	29 47	122 32	.12	NNE	5	c.
Ancona, str.	29 35	125 50	.09	N/W	6	or.
Empress of Japan, str.	24 57	120 4	.02	NE	2	of.
Ask, str.	20 4	110 20	.01	NE	4	o.
Namyong, str.	19 14	112 19	29.97	NE	5	p.
Keong Wai, str.	19 6	111 47	.97	NNE	4	c.
Wingsang, str.	18 26	111 53	.99	NE	3	o.
Cassius, str.	17 23	110 50	.90	NE	3	c.
Helen Brewer, sh.	16 17	147 55	...	ENE	5	k.
Glenfalloch, str.	15 29	113 2	.94	NE	3	c.
Memnon, str.	15 13	116 33	.90	NE	2	c.
Bittern, bqt.	14 52	112 51	...	NE	2	o.
Esmeralda, str.	14 35	120 57	.83	SW	2	op.
Sungkiang, str.	14 35	120 57	.83	E	1	op.
Japan, str.	14 23	112 31	.89	ENE	2	...
Columbus, sh.	13 10	113 0	.91	NNE	1	c.
Kristina Nielsson, brig.	11 38	111 43	.87	...	0	oq.
Wm. H. Connor, sh.	10 35	110 50	...	SW	1	k.
Jacob Christensen, str.	10 19	107 6	.88	W	3	c.
Sonora, bk.	9 53	112 13	...	WSW	3	orq.
Siam, str.	8 35	105 40	.93	SW	3	o.
Harland, sh.	7 59	107 49	...	W	2	orq.
Catherine Apcar, str.	7 49	108 33	.88	N	...	orq.
Marie Jebsen, str.	5 50	106 10	.94	SW	3	oq.
Chingtu, str.	5 34	123 0	.86	S	5	oflr.
Casa Blanca, bk.	1 50	125 44	...	S/W	6	q.
May 12th.						
Empress of India, str.	46 19	164 39	30.26	WNW	3	k.
Chi Yuen, str.	38 53	117 51	.14	ESE	2	k.
Gaelic, str.	35 25	139 39	29.98	NE	2	omr.
Verona, str.	33 47	131 45	30.38	W	3	c.
Hohenzollern, str.	33 36	136 52	.01	NW	5	og.
Strathesk, str.	32 54	127 45	.16	N	4	o.
Ancona, str.	32 44	129 50	.10	W	3	k.
Malacca, str.	31 22	121 30	.11	NE	2	k.
Erato, str.	29 29	127 17	.04	N	6	k.
City of Rio de Janeiro, str.	27 50	123 20	.11	NE	3	k.
Bygdo, str.	27 5	121 5	.09	NNE	1	k.
Formosa, str.	23 20	116 44	...	E	2	k.
Keong Wai, str.	22 16	114 7	.02	NE	4	o.
Ask, str.	20 37	109 28	29.98	ENE	3	o.
Hanoi, str.	20 10	109 30	...	NNE	4	oq.
Phra Chom Klao, str.	19 47	112 8	.90	ENE	4	c.
May 12th.						
Onsang, str.	19° 34′	113° 48′	29.90	NE	5	...
Hupeh, str.	19 9	114 4	.88	NE	6	cm.
Japan, str.	18 52	113 37	.92	NE	6	...
Helen Brewer, sh.	18 7	144 31	...	ENE	5	k.
Wingsang, str.	15 19	110 21	.92	NNE	3	c.
Bittern, bqt.	14 55	114 0	...	N	4	o.
Esmeralda, str.	14 35	120 57	.77	SW	3	or.
Sungkiang, str.	14 35	120 57	.76	ESE	4	o.
Cassius, str.	14 5	109 46	.84	var.	2	c.
Columbus, sh.	13 38	114 23	.67	NNW	4	cm.
Kristina Nielsson, brig.	12 8	112 17	.82	NNW	1	orq.
Glenfalloch, str.	11 46	111 1	.88	NW	3	c.
Wuotan, str.	11 36	109 12	...	NE	2	or.
Catherine Apcar, str.	11 16	110 49	.88	N/W	...	oq.
Memnon, str.	11 13	117 56	.63	W	10	orlq.
Wm. H. Connor, sh.	11 20	112 44	...	SW	1	k.
Siam, str.	10 58	108 35	.89	NW	3	oq.
Sultan, str.	10 24	107 45	.86	W	2	k.
Machew, str.	9 53	102 50	.86	SW	4	q.
Harland, sh.	9 52	109 34	...	W	4	or.
Sonora, bk.	9 49	110 16	...	W	5	orq.
Marie Jebsen, str.	8 43	107 28	.90	WSW	6	ol.
Rosetta, str.	4 43	106 20	.91	var.	2	c.
Chingtu, str.	2 0	125 13	.85	SSE	3	c.
Casa Blanca, bk.	1 44	125 25	...	SSE	5	q.
May 13th.						
Empress of India, str.	48 32	172 36	30.30	ESE	2	k.
Braemer, str.	40 28	138 52	29.93	WSW	4	...
Chi Yuen, str.	38 42	118 35	30.19	ENE	2	k.
Chingping, str.	38 41	118 40	.28	SSW	3	k.
Gaelic, str.	35 25	139 39	29.92	NE	1	c.
Ancona, str.	33 45	131 54	30.10	NW	3	k.
Verona, str.	32 45	129 51	.10	N	3	o.
Malacca, str.	31 53	125 48	.14	NNE	4	o.
Strathesk, str.	30 5	124 55	.17	N	5	o.
Erato, str.	27 16	123 31	.06	NNE	6	o.
City of Rio de Janeiro, str.	24 35	119 8	29.99	NE	6	o.
Bygdo, str.	24 22	118 40	.98	NE	4	k.
Yuensang, str.	22 15	114 27	.89	E	5	b.
Japan, str.	22 14	114 5	.92	E	6	...
Ask, str.	21 28	109 5	.93	ESE	4	c.
Helen Brewer, sh.	19 18	141 15	...	ENE	5	b.
Phra Chom Klao, str.	16 24	109 54	.80	N	4	c.
Onsang, str.	16 11	113 21	.80	NE	4	...
Bittern, bqt.	15 10	115 0	...	N	9	orq.
Hupeh, str.	15 8	112 56	.73	NNE	6	c.
Catherine Apcar, str.	14 48	112 42	.78	NNE	6	o.
Esmeralda, str.	14 35	120 57	.74	E	5	o.
Sungkiang, str.	14 35	120 57	.75	E/S	4	o.
Wuotan, str.	14 13	110 14	.76	NNW	4	or.
Siam, str.	13 50	110 0	.82	NNW	5	b.
Progress, str.	13 45	109 18	...	NE	5	...
Columbus, sh.	13 44	113 8	.71	N	5	cu.
Sultan, str.	12 57	110 21	.81	NNW	5	c.
Kristina Nielsson, brig.	12 42	112 33	.70	var.	4-5	orq.
Wm. H. Connor, sh.	11 55	113 44	...	NNW	7	orq.
Marie Jebsen, str.	11 15?	108 55?	.81	W	3	k.
Harland, sh.	10 58	111 16	...	NW	5	og.
Wingsang, str.	10 51	109 13	.83?	SW	3	o.
Memnon, str.	10 43	118 5	.70	SSW	8	op.
Cassius, str.	10 19	108 59	.78	SW	4	c.
Machew, str.	8 53	106 23	.81	SW	6	q.
Rosetta, str.	8 41	109 5	.81	W/S	5	oq.
Sonora, bk.	8 37	111 33	...	W	8	orq.
Glenfalloch, str.	8 34	109 9	.84	W	6	orq.
Shantung, str.	1 47	108 25	.90	SW	3	k.
Casa Blanca, bk.	1 37	125 12	...	S	4	orq.
May 14th.						
Braemar, str.	37 54	135 2	30.11	SW	5	k.
Chi Yuen, str.	37 24	122 43	.13	S/E	2	o.
Ancona, str.	34 40	135 11	.18	SW	2	o.
Invertay, str.	33 55	130 23	.20	E	2	k.
Strathleven, str.	33 28	136 10	.14	NW	3	k.
Gaelic, str.	32 43	135 2	.11	ENE	4	c.
Governor Robie, sh.	30 57	133 14	...	NE	6	or.
Verona, str.	30 2	126 15	.12	NE/N	3	od.
Strathesk, str.	28 7	122 11	.16	NNE	6	o.
Lyeemoon, str.	27 28	121 23	.09	N/E	5	o.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
May 14th.						
Erato, str.	24° 54′	119° 37′	29.97	NE/N	10	o.
Brindisi, str.	22 50	116 29	.99	NE/E	6	b.
Airlie, str.	22 37	114 50	...	ESE	4	cp.
Yuensang, str.	22 26	117 14	.89	ENE	6	c.
Bygdo, str.	22 25	115 10	.90	NE	3	k.
Ask, str.	21 28	109 5	.93	N	4	o.
China, str.	21 21	113 26	...	SE	4	k.
Helen Brewer, sh.	19 46	139 15	...	E	2	k.
Catherine Apcar, str.	18 15	113 24	.77	NE	5	...
Wuotan, str.	16 56	110 41	.76	N	5	or.
Siam, str.	16 48	110 34	.80	NNE	6	or.
Progress, str.	15 53	108 29	...	NW	...	...
Sultan, str.	15 22	110 6	.78	NNW	5	cp.
Bittern, bqt.	14 46	114 2	...	NE	6	opq.
Esmeralda, str.	14 35	120 57	.77	SSE	5	o.
Sungkiang, str.	14 35	120 57	.74	SE	6	c.
Apenrade, str.	14 20	120 15	.69	ESE	6	k.
Kristina Nielsson, brig.	13 14	113 9	.64	NNW	7	orq.
Marie Jebsen, str.	13 7	109 46	.74	NW	5	om.
Onsang, str.	12 58	111 11	.74	WNW	5	...
Wm. H. Connor, sh.	12 37	112 40	...	NW	7?	k.
Propontis, str.	12 34	109 32	.76	NW	2	k.
Rosetta, str.	12 10	111 25	.66	NW	6	ourl.
Columbus, sh.	12 6	113 16	.65	WNW	5	cr.
Harland, sh.	12 6	112 40	...	NW	9	og.
Machew, str.	11 43	109 24	.75	var.	1	kg.
Hupeh, str.	11 10	111 15	.75	WNW	7	om.
Memnon, str.	11 4	118 24	.61	SSW	7	orq.
Strathlyon, str.	11 3	108 57	.83	var.	4	c.
Mongkut, str.	10 32	102 18	.88	SW	4	cq.
Sonora, bk.	9 36	110 15	...	W	9	orq.
Wingsang, str.	7 28	107 47	.84	SW	4	o.
Cassius, str.	7 11	107 26	.82	WSW	4	c.
Glenfalloch, str.	5 18	107 10	.86	SSW	5	c.
Shantung, str.	5 1	109 14	.85	SSW	4	k.
Casa Blanca, bk.	1 38	125 18	...	S	2	k.
May 15th.						
City of Peking, str.	37 25	179 9	30.14	NW	4	opq.
Braemar, str.	35 22	131 13	29.95	S	2	k.
Taiyuan, str.	34 ..	130 ...	.98	ESE	4	or.
Ancona, str.	33 48	136 52	30.15	E	4	or.
Harrow, str.	33 47	136 57?	.17	ESE	2	od.
Chi Yuen, str.	33 13	122 34	.05	N	1	o.
Invertay, str.	32 10	127 14	29.95	NE	5	od.
Manila, str.	31 49	125 38	.89	NE	4	op.
Gaelic, str.	31 45	129 36	.90	NE	4	or.
Malacca, str.	31 41	129 6	.91	NE	5	or.
Nanchang, str.	30 33	121 55	30.02	E	1	o.
Choysang, str.	28 12	121 52	...	N	4	...
Governor Robie, sh.	28 10	130 22	...	SSW	6	...
Java, str.	27 46	121 43	.03	N	4	o.
Verona, str.	26 53	121 56	29.95	NNE	5	o.
Strathesk, str.	25 26	119 53	...	NNE	2	k.
Brindisi, str.	24 26	119 9	.91	NNE	5	c.
Airlie, str.	24 6	118 1	.88	NE	4	c.
Haitan, str.	24 2?	117 56?	.89	ENE	5	k.
Lyeemoon, str.	23 49	118 6	...	NE	4	c.
Chunshan, str.	22 47	116 8	.83	E/N	4	b.
Erato, str.	22 42	116 37	.88	NE	9	m.
Benmohr, str.	22 20	114 51	...	ENE	5	k.
Glenearn, str.	21 40	116 39	.86	NE	6	c.
Ask, str.	21 28	109 5	.94	N	4	c.
Helen Brewer, sh.	20 12	137 44	...	NE	1	k.
Siam, str.	18 39	111 30	.84	NNE	7	o.
Wuotan, str.	18 33	111 31	.78	NNE	6	or.
China, str.	17 47	110 46	.80	NNE	5	orq.
Apenrade, str.	17 41	117 37	.69	ESE	4	orq.
Sultan, str.	17 33	110 15	.82	NNE	6	cpq.
Rosetta, str.	15 36	113 5	.57	NW	8	olrq.
Marie Jebsen, str.	14 51	110 22	.69	NNW	6	orq.
Propontis, str.	14 38	109 55	.78	NNW	6	o.
Esmeralda, str.	14 36	120 57	.76	SE	4	o.
Sungkiang, str.	14 36	120 57	.71	SE	5	o.
Bittern, Bqt.	14 21	114 27	...	N	10	orq.
Machew, str.	13 56	111 42	.68	N var.	9	o.
Kristina Nielsson, brig.	13 30	113 13	.55	NNW	7	orq.
Wm. H. Connor, sh.	13 15	113 40	...	NW	7	...
Harland, sh.	12 59	113 17	...	NW	10	orq.
May 15th.						
Strathlyon, str.	12° 58′	110° 10′	29.73	NW	7	cq.
Phra Chom Klao, str.	12 23	109 28	.71	var.	2	c.
Columbus, sh.	11 56	115 6	.59	W	7	o.
Anjer Head, str.	11 22	109 3	.80	SW	4	o.
Memnon, str.	10 36	118 30	.69	SSW	6	orq.
Onsang, str.	9 51	109 24	.80	WSW	5	...
Sonora, bk.	9 17	110 8	...	W	var.	or.
Mongkut, str.	8 22	105 10	.88	...	0	c.
Shantung, str.	8 18	109 51	.79	W	4	o.
Hupeh, str.	7 32	109 43	.82	WSW	5	o.
Cassius, str.	4 30	105 34	.80	SSW	3	c.
Wingsang, str.	3 46	106 8	.85	S	4	c.
Glenfalloch, str.	2 13	104 53	.88	S	4	c.
Casa Blanca, bk.	1 41	126 13	...	S	1	k.
Tsinan, str.	1 13	125 45	.83	SSE	2	c.
Creedmoor, sh.	0 3	106 12	...	var.	2	...
May 16th.						
City of Peking, str.	37 5	172 19	30.13	WSW	2	o.
Ancona, str.	35 25	139 39	29.88	NW	3	or.
Ceylon, str.	34 40	135 11	.81	ENE	2	or.
Braemar, str.	33 1	127 43	.81	SW	3	k.
Gaelic, str.	32 44	129 51	.77	NE	2	op.
Harrow, str.	32 3	133 24	.77	ESE	4	or.
Taiyuan, str.	32 ...	126 ...	.85	NNW	4	k.
Chi Yuen, str.	31 8	122 1	.95	NW	3	o.
Invertay, str.	29 53	124 33	.90	WNW	2	k.
Malacca, str.	27 44	126 15	.85	N	5	o.
Governor Robie, sh.	27 19	130 19	...	W	2	or.
Nanchang, str.	26 59	121 7	.90	NNW	4	k.
Brindisi, str.	26 46	122 0	.91	NNE	4	o.
Airlie, str.	26 41	120 37	.89	NE	2	o.
Choysang, str.	24 46	119 12	.88	NE	3	...
Sabine Rickmers, str.	24 32	118 39	.84	NE	5	...
Verona, str.	24 6	117 50	.84	NNE	5	c.
Java, str.	23 57	118 22	.87	NE	5	k.
Strathesk, str.	23 11	117 7	.82	NNE	6	o.
Benmohr, str.	23 7	117 20	...	NE	5	k.
Yuensang, str.	21 16	118 47	.68	NE	6	omd.
Helen Brewer, sh.	20 36	136 37	...	SE	1	k.
Siam, str.	20 26	113 2	.80	NNE	7	b.
Wuotan, str.	20 7	112 37	.74	NNE	5	o.
Ask, str.	20 4	110 20	.84	NNW	1	c.
Apenrade, str.	19 48	115 54	.71	NNE	10	orq.
Sultan, str.	18 51	112 11	.82	NNW	6	c.
I.M.C.C. Likin,	18 12	109 42	.80	SW	1	c.
Glenearn, str.	18 12	144 43	.63	NE	7	orq.
Rosetta, str.	17 12	113 28	.58	N	8	olrq.
Propontis, str.	16 39	110 36	.78	NNW	6	o.
Marie Jebsen, str.	16 24	110 51	.71	N	6	om.
Sungkiang, str.	15 15	119 31	.45	S/E	9	or.
Machew, str.	14 54	112 12	.65	NW	8	oq.
Esmeralda, str.	14 36	120 57	.70?	S	6	q.
Strathlyon, str.	14 12	110 4	.73	NW	8	cq.
Bittern, bqt.	14 7?	115 ...	...	WNW	10	orq.
Kristina Nielsson, brig.	13 38	113 45	.58	WNW	10	orq.
China, str.	13 30	109 42	.79	NNW	6	o.
Anjer Head, str.	13 15	110 6	.76	NW	8	o.
Wm. H. Connor, sh.	13 50	114 16	...	NW	8?	orq.
Harland, sh.	13 11	113 14	...	NW	10	orq.
Columbus, sh.	12 37?	115 28?	.64	SW	6	o.
Mongkut, str.	10 38	108 17	.86	NE	2	o.
Shantung, str.	10 26	111 2	.79	NW	5	or.
Memnon, str.	9 40	117 5	.76	SW	3	or.
Phra Chom Klao, str.	9 22	107 21	...	W	3	c.
Sonora, bk.	8 52	111 19	...	W	5	og.
Onsang, str.	6 9	107 48	.83	SW	5	...
Tsinan, str.	5 8	123 30	.84	ESE	2	c.
Hupeh, str.	3 35	108 54	.85	SSW	4	c.
Britannic, str.	3 11	104 59	...	S	3	o.
Casa Blanca, bk.	1 52	126 33	...	SSW	1	k.
Cassius, str.	1 46	104 32	.81	S	3	c.
Creedmoor, sh.	0 38	105 16	...	WSW	4	q.
May 17th.						
Chingping, str.	38 41	118 41	29.52	S	2	m.
City of Peking, str.	36 54	165 30	30.00	SE	4	o.
Natal, str.	35 54	139 30	29.79	...	0	c.
Ancona, str.	35 25	139 39	.78	E	2	k.
Ceylon, str.	34 40	135 11	.77	SW	2	cp.

MAY, 1896.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
May 17th.						
Hohenzollen, str.	34° 22′	135° 2′	29.80	NE	2	m.
Manila, str.	33 58	130 58	.74	SW	1	k.
Harrow, str.	31 25	130 6	.83	N	2	c.
Braemar, str.	30 2	124 18	.79	...	0	k.
Airlie, str.	29 45	124 6	...	NE	1	c.
Gaelic, str.	29 39	125 39	.80	N	2	c.
Brindisi, str.	29 22	125 12	.83	NE/N	2	b.
Taiyuan, str.	29 ...	122 ...	.82	...	0	k.
Ravenna, str.	28 11	121 54	.83	var.	1	b.
Sabine Rickmers, str.	27 10	120 49	.78	NE	4	c.
Governor Robie, sh.	27 8	130 6	...	SSW	6	or.
Benmohr, str.	24 44	119 34	...	NE	5	k.
Nanchang, str.	23 53	118 11	.69	NNE	5	k.
Choysang, str.	23 19	116 44	.72	NE	3	...
Malacca, str.	23 18	126 18	.78	S/E	5	op.
Nanyang, str.	22 27	115 17	.71	E	2	b.
Ceres, str.	22 26	115 12	.72	ENE	2	mg.
Helen Brewer, sh.	21 13	135 46	...	SSW	4	op.
Chunshan, str.	21 6	114 36	.64	NNE	5	k.
Rosetta, str.	20 48	113 45	.69	N	2	b.
Ask, str.	20 31	111 19	.75	NNW	3	c.
Sultan, str.	20 28	113 29	.73	NNE	3	k.
Propontis, str.	19 12	111 44	.73	NNW	4	k.
Maria Jebsen, str.	18 35	111 50	.69	NNW	3	k.
I.M.C.C. Likin,	18 12	109 42	.77	SW	1	c.
Yuensang, str.	18 7	118 26	.28	NE	9	ogr.
Machew, str.	16 45	114 6	.70	WNW	7	o.
Strathlyon, str.	15 49	110 17	.77	NW	4	k.
Glenearn, str.	15 32	112 52	.72	NW/W	4	c.
Anjer Head, str.	15 6	109 47	.76	NNW	4	k.
Esmeralda, str.	14 36	120 57	.66	SW	9-10	oq.
Sungkiang, str.	14 23	119 19	.55	SW	8	orq.
Kristina Nielsson, brig.	14 5	114 36	.75	NW	6	orq.
Wm. H. Connor, sh.	14 2	114 36	...	W	6	k.
Columbus, sh.	14 2	116 16	.73	W	4	o.
Harland, sh.	13 42	114 19	...	W	4	og.
Bittern, bqt.	13 29	115 1	...	NW	4	o.
Mongkut, str.	13 5	109 43	.86	var.	1	c.
Shantung, str.	12 24	111 55	.88	WNW	3	k.
China, str.	10 16	107 18	.83	W/N	3	o.
Sonora, bk.	9 38	109 46	...	W	var.	orq.
Tsinan, str.	8 33	121 47	.83	SW	2	k.
Phra Chom Klao, str.	6 14	106 19	.82	W	3	o.
Britannic, str.	5 48	107 1	...	SE	5	m.
Wingsang, str.	4 6	105 40	.85	S/E	3	cp.
Onsang, str.	3 25	105 48	.86	SSW	4	...
Creedmoor, sh.	2 31	105 26?	...	S	4	k.
Casa Blanca, bk.	1 26	127 4	...	SSW	2	k.
May 18th.						
City of Peking, str.	36 19	160 21	29.83	NNW	5	o.
Ancona, str.	35 25	139 39	.85	E	2	k.
Manila, str.	34 40	135 11	.85	SE	1	k.
Ceylon, str.	34 40	135 11	.87	SE	2	c.
Strathleven, str.	33 51	131 14	.86	...	0	k.
Airlie, str.	32 35	128 5	...	NE	1	c.
Brindisi, str.	32 20	129 4	.84	NE	2	b.
Sabine Rickmers, str.	30 24	122 45	.79	NE	2	c.
Benmohr, str.	27 18	122 15	...	NE	4	k.
Braemar, str.	27 5	121 9	.72	N	2	k.
Governor Robie, sh.	26 22	129 2	...	E	6	or.
Taiyuan, str.	26 ...	120 ...	.69	NE/N	4	k.
Gaelic, str.	25 56	120 47	.65	ENE	4	c.
Invertay, str.	24 59	119 40	.72	NNE	6	k.
Nanyang, str.	24 11	118 34	.67	NE	3	c.
Ravenna, str.	24 5	118 19	.71	N	4	b.
Ceres, str.	23 53	118 38	.72	NNE	4	c.
Helen Brewer, sh.	22 45	133 22	...	SW	5	k.
Propontis, str.	22 1	114 1	.67	WNW	1	k.
Malacca, str.	21 25	123 40	.29	SE/S	4	oq.
Argyll, str.	21 15	113 30	.72	SW/W	3	b.
Marie Jebsen, str.	21 1	113 13	.71	SW	3	om.
Hanoi, str.	20 30	111 30	.68	SE	4	k.
Machew, str.	20 4	115 24	.67	NW	3	k.
Strathlyon, str.	18 14	110 17	.77	var.	2	k.
I.M.C.C. Likin,	18 12	110 20	.74	SW	1	c.
Chunshan, str.	18 12	111 36	.68	WSW	4	k.
Anjer Head, str.	18 0	111 4	.77?	SW	4	k.
Sungkiang, str.	17 6	118 28	.70	WNW	5	o.
May 18th.						
Mongkut, str.	16° 35′	110° 57′	29.82	NW	2	b.
Yuensang, str.	15 50	119 28	.65	W/N	5	o.
Wm. H. Connor, sh.	15 32	114 45	...	WNW	2	k.
Shantung, str.	15 25	113 5	.78	W	3	k.
Kristina Nielsson, brig.	15 19	114 39	.75	NW/W	2	c.
Harland, sh.	15 10	115 3	...	NW	2	k.
Bittern, bqt.	14 41	115 21	...	WNW	2	o.
Esmeralda, str.	14 36	120 57	.75	WSW	4	o.
Columbus, sh.	14 17	116 22	.80	NNW	4	c.
Glenearn, str.	12 10	111 4	.79	SW	4	k.
Tsinan, str.	12 9	120 55	.80	SW	5	cmp.
Sonora, bk.	10 0	109 2	...	SW	5	orq.
Britannic, str.	8 25	109 9	...	SE	5	o.
Wingsang, str.	7 50	108 4	.87	WNW	5	o.
Creedmoor, sh.	4 17	105 36	...	NW	2	orq.
Phra Chom Klao, str.	3 17	104 53	.87	SSW	3	c.
Casa Blanca, bk.	1 16	127 4	...	SSW	1	k.
May 19th.						
City of Peking, str.	35 49	153 12	29.89	var.	1	cp.
Chingping, str.	35 41	122 45	.94	var.	1	...
Ancona, str.	35 25	139 39	.95	S	2	k.
Ceylon, str.	34 40	135 11	.90	SW	2	c.
Sabina Rickmers, str.	34 22	122 33	.87	NNE	2	b.
Airlie, str.	33 50	132 11	...	ENE	4	m.
Benmohr, str.	30 4	125 25	...	NE	4	k.
Nanyang, str.	26 51	120 57	.78	N	3	bm.
Ceres, str.	25 41	121 40	.75	N	4	c.
Helen Brewer, sh.	25 3	130 29	...	S	12	...
Haitan, str.	25 0?	119 27	.74	...	0	k.
Governor Robie, sh.	24 55	127 36	...	NNW	8	...
Taiyuan, str.	24 ...	118 ...	.79	NE	2	b.
Braemar, str.	23 57	118 27	.79	N	2	k.
Machew, str.	23 20	116 44	.74	E	2	k.
Invertay, str.	22 55	116 43	...	S	1	k.
Gaelic, str.	22 37	115 49	.71	NE	1	b.
Anjer Head, str.	20 46	113 15	.74?	S	2	k.
Strathlyon, str.	20 41	113 12	.82	E	3	k.
Malacca, str.	20 35	122 4	.67	W/N	7	k.
Sungkiang, str.	20 33	115 59	.78	WNW	5	c.
Hanoi, str.	20 8	110 20	...	S	4	orqtl.
Mongkut, str.	20 3	112 30	.88	SSE	2	b.
Shantung, str.	18 43	113 37	.76	E	2	k.
I.M.C.C. Likin,	18 3	110 9	.73	...	1	c.
Argyll, str.	18 ...	111 30	.77	SSW	2	b.
Progress, str.	17 55	110 7	...	NE	2	b.
Esmeralda, str.	16 52	118 30	.82	NW	2	k.
Wm. H. Connor, sh.	15 42	114 50	...	S	2	k.
Chunshan, str.	15 39	110 2	.69	S	3	k.
Harland, sh.	15 31	115 20	...	SSW	2	og.
Kristina Nielsson, brig.	15 29	114 38	.74	SW	2	oq.
Tsinan, str.	15 26	119 1	.82	NW	3	c.
Bittern, bqt.	14 47	115 25	...	SW	4	o.
Columbus, sh.	14 15	116 17	.83	SSW	2	c.
Wingsang, str.	11 28	110 30	.84	...	0	c.
Britannic, str.	10 6	111 22	...	SW	3	o.
Sonora, bk.	9 18	109 53	...	SW	5	c.
Glenearn, str.	8 46	108 55	.83	SW	4	k.
Creedmoor, sh.	5 6	106 7	...	...	0	o.
Conqueror, sh.	3 17	148 20	...	SW	4	orq.
Casa Blanca, bk.	1 0	127 6	...	S/W	1	k.
May 20th.						
Ancona, str.	35 35	139 39	30.08	NE	5	oq.
City of Peking, str.	35 11	146 48	.02	N	4	om.
Manila, str.	34 40	135 11	29.63	ESE	6	od.
Brindisi, str.	33 50	131 29	.75	N/E	5	cgmr.
Wotan, str.	33 43	122 30	.92	W	2	b.
Hohenzollern, str.	33 29	129 33	.82	NE	9-10	orq.
Natal, str.	33 26	128 13	.85	NE	4	o.
Benmohr, str.	32 52	128 26	...	NE	3	k.
Chi Yuen, str.	32 47	122 42	.90	N	2	o.
Chingping, str.	32 11	122 46	.94	...	0	k.
Pathan, str.	31 9	122 35	.89	NE	2	k.
Nanyang, str.	30 20	122 33	.87	NNW	2	c.
Helen Brewer, sh.	27 27	131 4	...	SW	...	...
Ceres, str.	27 11	125 33	.79	NNW	5	od.
Governor Robie, sh.	23 15	126 53?	...	NW	4	...
Taiyuan, str.	22 ...	115 ...	.86	NE	2	b.
Hanoi, str.	20 52	106 41	...	S	4	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
May 20th.						
Progress, str.	20° 15′	112° 19′	...	E	5	o.
Esmeralda, str.	19 58	116 9	29.86	...	0	k.
Tsinan, str.	19 2	116 41	.84	NW	1	k.
I.M.C.C. Likin,	17 57	110 16	.80	var.	1	c.
Malacca, str.	17 23	119 53	.86	ESE	2	k.
Wm. H. Connor, sh.	16 29	115 10	...	var.	2	...
Harland, sh.	16 18	115 51	...	NW	2	k.
Kristina Nielsson, brig.	16 11	115 18	.83	var.	1	og.
Bittern, bqt.	15 55	115 29	...	SW	2	c.
Wingsang, str.	15 46	112 51	.82?	S/E	3	c.
Columbus, str.	15 28	115 46	.87	SW	3	cp.
Argyll, str.	14 30	110 30	.81	SSW	5	b.
Britannic, str.	13 2	112 13	...	SW	5	k.
Chunshan, str.	12 24	109 42	.78	SW	2	k.
Sonora, bk.	8 28	109 21	...	SW	2	c.
Conqueror, sh.	5 50	147 9	...	NW	1	orq.
Creedmoor, sh.	5 45	106 59	...	SW	2	k.
Glenearn, str.	5 28	107 12	.85	SW	3	k.
Victoria, str.	5 18	106 4	...	SSE	8	k.
Pectan, str.	3 30	105 43	.88	SSE	3	b.
Casa Blanca, bk.	0 43	126 54	...	S/W	2	k.
May 21st.						
Wotan, str.	37 35	122 10	29.86	E	1	b.
H.M.S. Narcissus,	37 28	124 3	.89	ENE	1	b.
Chi Yuen, str.	36 30	122 53	.88	NNE	3	o.
Ancona, str.	35 25	139 39	30.16	N	5	orq.
City of Peking, str.	35 9	139 46	.09	NNE	5	cpq.
Strathleven, str.	34 41	130 24	29.74	NE	10	...
Sikh, str.	34 40	135 11	.79	E	9	...
Brindisi, str.	34 24	133 55	.80	E	6	og.
Benmohr, str.	34 16	129 48	...	NE	9	...
Ceylon, str.	34 10	130 3	.56	NE	4	o.
Manila, str.	33 23	135 40	.60	ESE	8	orq.
Pathan, str.	32 43	126 34	...	ENE	5	k.
Natal, str.	30 57	122 27	.81	...	0	b.
Ceres, str.	28 59	128 53	.75	NNW	6	cq.
Chingping, str.	28 51	122 15	.84	SSW	2	k.
T. F. Oakes, sh.	28 46	123 27	...	SW	2	...
Helen Brewer, sh.	26 0	130 58	...	NW/N	2	k.
Empress of Japan, str.	25 5	119 41	.91	NNE	4	k.
Keong Wai, str.	21 43	114 1	.89	ESE	1	c.
Governor Robie, sh.	21 39	123 37	...	NNW	var.	c.
Ask, str.	21 38	113 21	.89	ESE	3	o.
Wingsang, str.	20 3	113 48	...	SSW	3	c.
Apenrade, str.	19 19	112 6	.83	S/E	3	k.
I.M.C.C. Likin,	18 26	110 29	.84	SE	1	c.
Wm. H. Connor, sh.	17 26	114 12	...	S	2	k.
Kristina Nielsson, brig.	17 9	115 12	.85	WSW	5	q.
Harland, sh.	17 2	115 32	...	SW	2	k.
Bittern, bqt.	16 38	115 22	...	WSW	2	c.
Columbus, sh.	16 20	115 18	.90	WSW	2	c.
Britannic, str.	16 9	114 14	...	SW	5	k.
Malacca, str.	14 33	120 52	.86	NW/W	2	o.
Argyll, str.	11 15	109 0	.87	SSW	4	bm.
Chunshan, str.	9 57	107 57	.86	SSW	4	c.
Victoria, str.	8 42	107 31	...	S	3	k.
Sonora, bk.	8 5	109 16	...	SW	2	k.
Creedmoor, sh.	7 22	107 14	...	SW	4	k.
Conqueror, sh.	7 14	145 44	...	WNW	2	k.
Pectan, str.	6 44	107 53	.91	S	3	b.
Onsang, str.	1 23	104 59	.89	ESE	2	...
Casa Blanca, bk.	0 25	126 19	...	SSW	4	o.
May 22nd.						
Wm. J. Rotch, sh.	40 35	133 20	...	ENE	1	od.
Chi Yuen, str.	38 20	119 38	29.93	NNE	2	k.
Wotan, str.	37 33	121 26	.90	NNW	1	b.
H.M.S. Narcissus,	36 57	125 56	.86	NE/N	1	c.
City of Peking, str.	35 25	139 39	.89	N	4	or.
Ancona, str.	35 25	139 39	.94	NW	4	or.
Brindisi, str.	34 40	135 11	.75	NE	4	cgm.
Pathan, str.	33 19	129 5	...	NNE	7	o.
Benmohr, str.	33 17	128 26	...	NE	9	q.
Strathleven, str.	32 27	126 58	.91	SW/W	6	...
Ceylon, str.	32 1	124 20	.91	SW	2	c.
Harrow, str.	31 20	128 7	.89	N	5	op.
Ceres, str.	31 13	132 51	.79	NNW	2	c.
Karlsruhe, str.	31 6	122 3	.89	SE	3	b.
Empress of Japan, str.	30 1	122 37	.89	S	2	f.
May 22nd.						
Hohenzollern, str.	29° 47′	126° 2′	29.91	NNW	3	o.
T. F. Oakes, sh.	27 28	123 45	...	NNE	2	...
Helen Brewer, sh.	25 59	129 59	...	W	2	...
Chingping, str.	25 55	120 23	.90	SW	1	o.
Lyeemoon, str	23 44	117 47	.90	SE	2	c.
Strathesk, str.	22 28	117 44	.88	...	0	k.
Wuotan, str.	21 31	113 33	.86	E	1	k.
Governor Robie, sh.	21 28	122 18	...	S	...	c.
Ask, str.	20 4	110 20	.78	SSE	4	o.
Catherine Apcar, str.	19 41	114 11	.87	SSE	4	k.
Wm. H. Connor, sh.	19 26	114 12	...	SE	5	k.
Britannic, str.	19 15	114 17	...	SW	5	k.
I.M.C.C. Likin,	18 39	110 45	.83	SE	2	c.
Keong Wai, str.	18 26	111 33	.85	SSE	1	c.
Kristina Nielsson, brig.	18 9	114 48	.84	SSE	2	orq.
Harland, sh.	17 53	115 6	...	SW	2	q.
Ravenna, str.	17 50	113 23	.87	E	4	o.
Bittern, bqt.	17 28	115 8	...	SSW	2	c.
Columbus, sh.	17 22	114 57	.90	WSW	4	c.
Apenrade, str.	15 54	110 13	.80	S/E	4	k.
Victoria, str.	11 47	109 14	...	SW	3	k.
Argyll, str.	10 47	106 43	.86	SW	1	c.
Pectan, str.	9 54	110 7	.92	var.	2	b.
Creedmoor, sh.	9 3	108 46	...	SW	5	k.
Devawongse, str.	8 39	106 3	.92	SSW	4	k.
Sonora, bk.	7 36	109 45	...	SW	2	k.
Chunshan, str.	7 21	106 33	.90	SSW	2	k.
Mazagon, str.	4 35	105 50	...	SSE	2	k.
Evandale, str.	4 13	105 55	.88	E	1	...
Gerda, str.	2 56	104 53	.85	SE	2	c.
Tyr, str.	2 2	106 6	...	SE	1	k.
Phra Chom Klao, str.	1 54	104 26	.88	var.	4	c.
Savona, sh.	1 16	108 4	...	E	2	...
Casa Blanca, bk.	0 7	126 33	...	S/E	4	c.
May 23rd.						
Wm. J. Rotch, sh.	40 41	134 15	29.92	N	2	o.
Wotan, str.	40 35	122 0	.92	NNE	4	og.
Ceres, str.	38 48	136 43	.91	NNW	3	c.
City of Peking, str.	35 25	139 39	.85	SE	2	o.
Ancona, str.	35 25	139 39	.83	E	2	k.
Brindisi, str.	34 40	135 12	.75	NE	4	cgm.
Strathleven, str.	29 23	123 44	.96	SE	3	od.
Harrow, str.	29 12	125 3	30.02	S	2	o.
Lyeemoon, str.	27 25	121 10	29.94	SE	1	om.
T. F. Oakes, sh.	27 15	123 33	...	...	0	op.
Karlsruhe, str.	26 47	120 50	.94	...	0	ogr.
Hohenzollern, str.	26 30	121 22	.97	S	2	m.
Helen Brewer, sh.	26 23	128 58	...	var.	1	...
Verona, str.	24 0	118 18	.91	ENE	1	om.
Chingping, str.	23 27	117 40	.88	SE	2	o.
Wm. H. Connor, sh.	22 5	116 19	...	SE	6	k.
Governor Robie, sh.	21 38	120 10	...	S	6	k.
Ask, str.	21 28	109 6	.74	SSW	4	o.
Kristina Nielsson, brig.	19 31	114 16	.86	SSW	5	k.
Harland, sh.	19 12	114 25	...	S	5	k.
Columbus, sh.	18 53	114 14	.88	SW	4	cr.
Bittern, bqt.	18 46	114 28	...	S	4	c.
Wuotan, str.	18 39	111 18	.84	SSE	4	k.
I.M.C.C. Likin,	18 38	110 46	.85	SSE	2	c.
Catherine Apcar, str.	16 32	113 30	.91	S	4	...
Amigo, str.	16 18	119 39	.87?	NE	2	...
Victoria, str.	15 6	110 14	...	SW	3	k.
Keong Wai, str.	14 59	110 2	.85	S	2	c.
Ravenna, str.	13 43	112 3	.89	SSW	5	c.
Pectan, str.	13 15	112 2	.94	SW	4	b.
Apenrade, str.	12 2	109 31	.87	S	4	k.
Devawongse, str.	11 38	109 22	.90	SW	3	k.
Creedmoor, sh.	11 8	110 43	...	SW	5	k.
Argyll, str.	10 47	106 43	...	var.	2	cr.
Mazagon, str.	8 19	107 58	...	S E	2	k.
Evandale, str.	7 30	108 24	.92	E	1	...
Sonora, bk.	7 24	109 7	...	SW	2	k.
Gerda, str.	6 54	106 57	...	SE	2	c.
Phra Chom Klao, str.	6 27	104 1	.93	var.	1	cg.
Chunshan, str.	4 25	105 43	.93	S	3	k.
Tyr, str.	3 16	109 15	...	SE	2	k.
Savona, sh.	2 9	108 10	...	E	1	...
Aden, str.	2 1	104 40	.99	SE	2	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
May 23rd.						
Sachem, sh.	0°55′	107° 7′	...	SSE	1	...
May 24th.						
Wm. J. Rotch, sh.	40 48	134 39	29.95	...	0	o.
Wosang, str.	40 35	122 0	.79	NE	2	gru.
H.M.S. Narcissus,	34 38	124 55	.77	SE	3	om.
Ancona, str.	34 34	138 44	.94	ENE	1	f.
City of Peking, str.	34 30	138 50	.92	...	0	c.
Manila, str.	34 19	138 9	.93	SE	2	o.
Hertha, str.	33 58	134 53	.90	SW	2	od.
Brindisi, str.	33 58	134 59	.90	N	1	cm.
Empress of Japan, str.	31 53	125 48	.85	SE	4	omr.
Kachidate Maru, str.	30 48	127 0	.86	S	2	or.
Harrow, str.	27 7	122 44	.77	S	7	or.
Verona, str.	26 56	122 14	.70	S/E	4	or.
T. F. Oakes, sh.	26 39	122 0	...	SW	6	or.
Helen Brewer, sh.	26 32	127 20	...	SSW	5	...
Strathleven, str.	26 19	120 51	.74	S	6	...
Wm. H. Connor, sh.	25 2	120 0	...	S	6	o.
Tsinan, str.	23 59	118 22	.74	SSW	4	o.
Sungkiang, str.	23 45	117 56	.76	S/W	2	k.
Hohenzollern, str.	23 20	117 19	.79	SE	5	m.
Karlsruhe, str.	23 6	117 6	.76	S	5	o.
Governor Robio, sh.	22 28	115 52	...	SW	2	k.
Chingping, str.	22 14	114 36	.74	SSW	4	o.
Mongkut, str.	22 7	114 3	.77	SW	5	cm.
Esmeralda, str.	21 12	115 2	.73	SSW	4	k.
Hanoi, str.	20 40	107 10	.68?	S	4	k.
Ask, str.	21 28	109 5	.69	SW	5	o.
Harland, str.	21 28	114 7	...	S	3	m.
Columbus, sh.	21 27	113 58	.77	SW/S	5	cg.
Bittern, bqt.	21 2	113 56	...	S	5	c.
Amigo, str.	19 37	121 7	.86?	SW	2	...
I.M.C.C. Likin,	18 38	110 46	.83	E	3	c.
Victoria, str.	18 23	111 28	...	SSE	3	c.
Pectan, str.	17 18	113 14	.85	SSW	4	b.
Devawongse, str.	15 31	110 23	.84	S	5	k.
Wuotan, str.	15 20	110 13	.84	S	4	k.
Catherine Apcar, str.	14 13	112 20	.89	SSW	4	...
Creedmoor, sh.	13 22	112 36	...	SW	5	k.
Mazagon, str.	12 6	109 32	.89	S	3	k.
Jacob Christensen, str.	12 0	109 14	.90	SW	5	k.
Keong Wai, str.	11 34	109 10	.87	S	2	c.
Gerda, str.	10 49	109 9	.94	SSW	3	c.
Argyll, str.	10 47	106 42	...	WNW	3	b.
Evandale, str.	10 29	110 25	.90	SW	2	k.
Phra Chom Klao, str.	10 13	102 32	.92	SW	4	c.
Ravenna, str.	9 27	109 39	.94	SSW	4	c.
Sonora, bk.	6 55	109 29	...	SSW	2	k.
Aden, str.	6 10	107 5	.94	ESE	3	c.
Tyr, str.	4 25	112 50	...	E	2	k.
Arratoon Apcar, str.	3 38	105 44	.96	E	...	k.
Savona, sh.	2 50	108 29	...	...	0	...
Sachem, sh.	2 6	107 12	...	SE	1	...
Chunshan, str.	1 48	104 27	.94	SSE	3	k.
Casa Blanca, bk.	0 7	123 46	...	S	4	og.
May 25th.						
Wm. J. Rotch, sh.	42 10	135 37	29.67	ESE	4	f.
Wosang, str.	40 35	122 0	30.23	NW W	6	gru.
Sabine Rickmers, str.	36 10	122 55	29.64	W	9	or.
Brindisi, str.	35 7	139 41	.86	SSE	2	cm.
Ancona, str.	34 40	135 11	.75	E	3	or.
Empress of Japan, str.	32 43	129 42	.67	W	5	om.
H.M.S. Narcissus,	32 32	128 43	.64	NW	4	cp.
City of Peking, str.	32 5	132 54	.69	SSE	5	or.
Hertha, str.	31 17	131 48	.71	S/W	6-7	orq.
Verona, str.	30 14	126 26	.76	NW	4	o.
Helen Brewer, sh.	28 34	126 2	...	NNW	2	k.
Kachidate Maru, str.	28 21	123 19	.89	NW	2	o.
T. F. Oakes, sh.	26 50	121 48	...	...	0	...
Tsinan, str.	26 44	120 33	...	NE	2	m.
Wm. H. Connor, sh.	26 30	121 7	...	NE	2	...
Harrow, str.	25 41	121 0	.90	var.	3	or.
Strathleven, str.	24 22	118 44	.86	SW	3	c.
Governor Robie, sh.	22 29	114 45	...	NE	2	or.
Amigo, str.	22 0	123 55	.85?	SW	6	...
Ask, str.	21 28	109 5	.75	SSW	3	o.
Pectan, str.	21 18	113 40	.82	W	3	o.
Devawongse, str.	19 23	112 7	.83	S/W	4	k.
May 25th.						
Mongkut, str.	19°14′	112°25′	29.82	SW	4	bm.
I.M.C.C. Likin,	18 13	109 34	.83	E	2	c.
Esmeralda, str.	18 9	117 37	.81	SSW	4	k.
Mazagon, str.	15 58	110 29	.86	SSW	2	k.
Jacob Christensen, str.	15 2	110 15	.89	SSW	4	k.
Gerda, str.	14 51	110 32	.86	SSW	3	c.
Creedmoor, sh.	14 44	113 26	...	NE	2	o.
Evandale, str.	14 0	112 47	.90	SSW	2	k.
Wuotan, str.	11 41	109 13	.87	S	1	k.
Catherine Apcar, str.	11 40	110 40	.91	SSW	4	k.
Argyll, str.	10 47	106 42	...	WNW	2	cr.
Aden, str.	10 14	109 38	...	SSW	3	k.
Keong Wai, str.	8 46	106 46	.95	SW	4	c.
Arratoon Apcar, str.	6 52	108 11	.95	var.	...	k.
Sonora, bk.	6 27	110 10	...	SW	2	k.
Ravenna, str.	5 25	106 37	.94	SSW	3	c.
Savona, sh.	3 34	108 40	...	...	0	...
Sachem, sh.	3 13	107 14	...	...	0	q.
May 26th.						
Wm. J. Rotch, sh.	43 55	137 29	...	SW	6	k.
Wosang, str.	40 35	122 0	29.68	SSW	1	b.
Chi Yuen, str.	38 44	118 28	.76	SSW	3	k.
Ancona, str.	34 40	135 12	.84	W/S	5	k.
Sabine Rickmers, str.	33 3	122 48	.93	SW	4	b.
Ceylon, str.	31 23	121 31	.94	SE	4	c.
Tsinan, str.	30 28	122 31	.98	SE	2	o.
Hertha, str.	29 39	126 55	30.05	NW	2	b.
Helen Brewer, sh.	29 19	124 42	...	SE	1	k.
Wm. H. Connor, sh.	28 19	122 30	...	E	2	k.
T. F. Oakes, sh.	25 21	120 16	...	NNE	4	k.
Kachidate Maru, str.	25 15	120 0	29.99	NE	3	o.
Formosa, str.	24 37	118 40	.93	NNE	2	k.
Amigo, str.	24 37	126 15	.96	NE	5	...
Harrow, str.	23 36	118 12	...	NE	3	cd.
Strathleven, str.	22 25	115 14	.91	var.	1	or.
Governor Robie, sh.	22 15	115 6	...	var.	1	orq.
Karlsruhe, str.	21 51	113 53	.89	S	2	o.
Siam, str.	21 21	115 28	.89	SSE	3	o.
Ask, str.	20 4	110 20	.82	SSW	2	c.
Taiyuan, str.	20 0	116 0	.92	S	2	c.
Mazagon, str.	19 50	112 41	.89	S/W	4	c.
Gerda, str.	19 4	112 1	.88	S	3	b.
Jacob Christensen, str.	18 20	111 29	.88	SSE	5	k.
I.M.C.C. Likin,	18 6	109 50	.86	ESE	1	c.
Evandale, str.	17 42	114 20	.88	SSW	2	k.
Mongkut, str.	16 13	110 18	.85	SSW	6	b.
Creedmoor, sh.	15 37	113 20	...	var.	1	orq.
Esmeralda, str.	14 42	120 3	.89	W	1	k.
Aden, str.	14 23	112 24	.95	SSW	4	c.
Argyll, str.	10 47	106 42	.85?	W	2	b.
Arratoon Apcar, str.	10 36	109 28	.90	WSW	...	k.
Catherine Apcar, str.	8 26	109 14	.92	SSW	5	...
Tyr, str.	6 54	115 30	...	N	1	c.
Sonora, bk.	6 13	108 56	...	W	1	k.
Keong Wai, str.	4 5	105 46	.95	SSW	2	c.
Savona, sh.	3 43	108 40	...	NNE	2	...
Sachem, sh.	3 35	107 12	...	...	0	q.
Ravenna, str.	1 17	104 14	.97	SSE	2	c.
May 27th.						
Wm. J. Rotch, sh.	45 53	139 18	29.40	WSW	2	f.
Wosang, str.	40 35	122 0	.70	SW	6	b.
Chi Yuen, str.	37 10	122 44	.87	S	3	o.
Empress of Japan, str.	34 6	132 59	30.04	var.	1	k.
Ancona, str.	33 58	131 1	.00	ESE	2	o.
Verona, str.	33 58	130 58	.01	S	3	c.
Wm. H. Connor, sh.	30 50	123 50	...	S	6	...
Sabine Rickmers, str.	29 49	123 5	29.79	SE	6	or.
Hertha, str.	27 38	122 40	.89	SSW	5	og.
Ceylon, str.	27 27	121 16	.85	SSW	5	om.
Amigo, str.	26 58	129 7	.97	E	3	...
T. F. Oakes, sh.	24 51	120 40	...	SSW	4	f.
Kachidate Maru, str.	22 41	116 35	.97	NE	2	o.
Victoria, str.	22 31	115 35	...	SE	3	k.
Picciola, str.	22 29	115 5	.94	SE	2	k.
Nanchang, str.	22 27	115 17	.96	SE	1	k.
Hanoi, str.	21 45	113 20	.96?	SW	4	k.
Harrow, str.	21 19	116 5	.94	S/W	4	b.
Jacob Christensen, str.	21 8	113 34	.92	ESE	4	c.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
May 27th.						
Machew, str.	21° 2′	114°39′	29.97	S	4	c.
Sungkiang, str.	20 58	118 56	.99	S/W	2	b.
Ask, str.	20 36	110 16	.89	SSE	3	m.
Strathlyon, str.	20 9	112 27	.93	S/W	5	k.
Aden, str.	18 58	113 41	.96	SSW	4	c.
I.M.C.C. Likin,	18 10	110 25	.91	SSE	1	c.
Siam, str.	18 6	114 17	.98	SSW	4	b.
Karlsruhe, str.	17 23	111 14	.95	S	4	c.
Taiyuan, str.	17 ...	118 ...	.97	...	0	c.
Creedmoor, sh.	16 26	113 31	...	SW	4	or.
Arratoon Apcar, str.	14 37	110 21	.87	SSE	...	k.
Esmeralda, str.	14 35	120 57	.93	...	0	k.
Malacca, str.	13 27	118 12	.92	var.	1	k.
Mongkut, str	12 25	109 28	.93	S	4	b.
Argyll, str.	10 47	106 42	...	SW	2	c.
Tyr, str.	9 40	117 20	...	NE	2	k.
Kaisar-i-Hind, str.	8 46	109 4	.95	SW	2	k.
Sonora, bk	5 47	108 45	...	NNE	1	k.
Catherine Apcar, str.	5 30	107 17	.95	SSW	4	k.
Savona, sh.	4 17	108 15	...	NNE	2	...
Sachem, sh.	3 50	107 7	...	...	0	q.
Hydaspes, str.	1 16	104 2	.93	E	2	k.
May 28th.						
Wm. J. Rotch, sh.	47 45	140 24	29.43	W	1	k.
Wosang, str.	40 35	122 0	.64	SW	4	b.
Verona, str.	34 40	135 12	.87	SW	2	c.
Empress of Japan, str.	34 33	135 9	.90	NW	2	c.
Chi Yuen, str.	33 38	122 34	.74	ESE	1	of.
Nanyang, str.	31 8	122 1	.74	...	0	ofgr.
City of Peking, str.	30 6	125 26	.75	SW	3	or.
Amigo, str.	29 50	132 36	.82?	SW	5	...
Sabine Rickmers, str.	27 16	121 20	.76	SW	6	...
Hertha, str.	24 56	119 36	.85	SW/S	4-5	fg.
T. F. Oakes, sh.	24 40	119 30	...	SSW	5	...
Nanchang, str.	24 20	118 55	.87	var.	3	k.
Evandale, str.	24 6	118 38	.86	SSW	2	b.
Ceylon, str.	24 3	118 28	.90	SSW	3	bm.
Picciola, str.	24 0	119 0	.86	S	2	k.
Velocity, bk.	22 28	116 0	...	SW	2	k.
Harrow, str.	18 43	114 48	.91	S	4	b.
Arratoon Apcar, str.	18 38	114 40	.90	SSE	...	k.
Creedmoor, sh.	18 34	113 31	...	S	4	orq.
Machew, str.	18 15	111 45	.94	SSW	5	c.
I.M.C.C. Likin	18 14	110 36	.93	SSE	2	c.
Strathlyon, str.	17 25	110 52	.92	SSW	5	k.
Sungkiang, str.	16 31	119 31	.88	W	3	b.
Siam, str.	14 39	112 53	.96	SSW	3	b.
Esmeralda, str.	14 35	120 57	.88	...	0	k.
Kaisar-i-Hind, str.	13 7	111 35	.98	S	2	k.
Tyr, str.	13 4	118 50	...	E	5	k.
Taiyuan, str.	13 ...	121 ...	.92	SW	3	c.
Karlsruhe, str.	12 33	109 36	.95	S	3	c.
Malacca, str.	11 11	113 20	.94	ESE	2	k.
Argyll, str.	10 47	106 42	.85	var.	3	c.
Mongkut, str.	9 19	107 3	.93	var.	var.	c.
Memnon, str.	5 38	119 15	.97	...	2	b.
Sonora, bk.	5 30	110 12	...	NNE	1	op.
Savona, sh.	4 53	107 55	...	...	0	...
Hydaspes, str.	4 50	106 10	.94	var.	1	k.
Sachem, sh.	4 9	106 56	...	var.	1	...
Chunshan, str.	3 52	105 12	.94	var.	1	k.
Catherine Apcar, str.	3 4	105 27	.95	...	0	k.
May 29th.						
Wm. J. Rotch, sh.	48 30	140 44	29.73	NNE	2	o.
Wosang, str.	37 33	121 26	.68	NW	2	b.
Brindisi, str.	33 33	136 10	.65	E	2	cgr.
Verona, str.	33 26	135 39	.64	SE	3	omd.
Amigo, str.	32 26	134 47	.70?	E	3	...
Chi Yuen, str.	31 10	122 25	.68	var.	1	op.
Ancona, str.	30 40	126 55	.67	S/W	5	f.
Lyeemoon, str.	29 35	122 34	.70	SSW	1	cm.
Nanyang, str.	28 1	121 56	.70	SSW	4	of.
Nanchang, str.	27 39	121 40	.71	SW	5	k.
Picciola, str.	27 ...	122 ...	.70	SW	5	k.
City of Peking, str.	26 48	121 51	.73	SW	5	c.
Evandale, str.	26 39	122 14	.74	SW	4	k.
Sabine Rickmers, str.	25 13	119 47	.78	SW	4	m.
T. F. Oakes, sh.	24 18	119 15	...	SSW	5	...
May 29th.						
Velocity, bk.	23°26′	118°15′	...	SW	3	k.
Hertha, str.	22 43	116 13	29.89	sw/w	3-4	c.
Creedmoor, sh.	20 44	113 3	...	S	4	orq.
I.M.C.C. Likin,	18 24	110 51	.88	SSE	1	c.
Kaisar-i-Hind, str.	18 3	113 41	.94	SSW	3	k.
Yuensang, str.	16 19	118 46	.84	NNW	1	b.
Harrow, str.	15 51	113 28	.89	S/W	4	b.
Machew, str.	14 53	110 28	.91	S	4	c.
Sungkiang, str.	14 36	120 57	.86	NE	3	b.
Esmeralda, str.	14 35	120 57	.87	...	0	k.
Strathlyon, str.	14 34	110 0	.90	SSW	5	k.
China, str.	12 51	109 32	.89	SSE	2	k.
Siam, str.	11 57	110 53	.94	var.	2	b.
Argyll, str.	10 47	106 42	.79	var.	2	cr.
Mongkut, str.	9 6	103 33	.95	W	2	cq.
Taiyuan, str.	9 ...	122 ...	.93	SW	2	c.
Malacca, str.	8 33	109 50	.94	var.	1	k.
Hydaspes, str.	8 33	108 22	.94	var.	1	...
Karlsruhe, str.	7 45	107 29	.96	...	0	c.
Chunshan, str.	7 25	106 38	.92	ESE	1	k.
Savona, sh.	5 26	108 8	...	...	0	k.
Sonora, bk.	5 3	109 35	...	W	2	k.
Sachem, sh.	4 37	107 12	...	var.	1	...
Glenearn, str.	1 54	104 38	.89	SE	1	k.
Scottish Isles, sh.	1 12	106 26	...	var.	1	...
May 30th.						
Wm. J. Rotch, sh.	48 32	141 16	29.83	NNE	2	m.
Wosang, str.	35 29	122 39	.86	S	1	f.
Empress of Japan, str.	35 14	139 45	.61	SW	2	m.
Brindisi, str.	34 40	135 12	.69	SW	3	c.
Amigo, str.	34 31	138 59	.62	SW	3	...
Nanchang, str.	31 7	123 18	.82	var.	2	k.
Airlie, str.	31 7	125 51	.80	NE	3	...
Picciola, str.	30 ...	123 ...	.82	NNE	2	k.
Evandale, str.	29 19	125 50	.84	NE	2	o.
Ancona, str.	27 42	123 12	.84	N	2	f.
Lyeemoon, str.	25 49	120 17	.83	NE	1	f.
Nanyang, str.	25 1	119 52	.81	SW	2	cf.
Velocity, bk.	24 50	120 37	...	W	...	...
T. F. Oakes, sh.	23 55	119 10	...	SSW	2	m.
City of Peking, str.	23 38	117 50	.79	SW	4	c.
Ask, str.	22 1	113 47	.86	SW	3	o.
Shantung, str.	21 30	113 44	.83	SW	2	k.
Yuensang, str.	19 52	116 1	.83	SW/W	3	c.
Tyr, str.	19 52	121 5	...	W	2	k.
I.M.C.C. Likin,	18 11	110 38	.86	S	1	c.
China, str.	16 28	110 35	.85	SE S	2	k.
Sungkiang, str.	14 36	120 57	.86	SW	2	b.
Esmeralda, str.	14 35	120 57	.89	SW	1	k.
Harrow, str.	13 18	111 41	.85	S	2	b.
Hydaspes, str.	12 2	111 11	.89	S	2	k.
Apenrade, str.	11 39	109 22	.88	SE	2	k.
Strathlyon, str.	11 24	109 9	.86	S	3	k.
Machew, str.	11 9	108 52	.87	SSW	4	c.
Argyll, str.	10 47	106 42	.85	S	1	b.
Siam, str.	8 48	109 15	.92	SSW	2	b.
Glenearn, str.	6 5	105 46	...	var.	1	k.
Savona, sh.	5 55	108 19	...	E	2	...
Sachem, sh.	5 18	107 17	...	SE	1	...
Malacca, str.	5 1	106 56	.92	SE	1	k.
Taiyuan, str.	5 ...	123 ...	.91	...	0	c.
Sonora, bk.	4 54	109 53	...	...	0	k.
Karlsruhe, str.	2 54	105 22	.92	...	0	o.
Scottish Isles, sh.	2 9	106 51	...	var.	1	...
May 31st.						
Wm. J. Rotch, sh.	48 50	140 59	...	NW	1	o.
Empress of Japan, str.	37 55	146 1	29.80	NNW	5	o.
Nanchang, str.	35 13	123 8	.78	var.	2	c.
Australian, str.	34 40	122 56	.75	W	2	cm.
Brindisi, str.	34 27	134 25	.83	var.	1	cm.
Picciola, str.	34 ...	123 ...	.74	NNW	2	k.
Evandale, str.	32 16	129 16	.80	var.	1	or.
Wosang, str.	31 46	122 22	.71	...	0	f.
Airlie, str.	28 13	122 3	...	SSW	2	f.
Mirzapore, str.	27 40	121 43	.80	SSW	3	f.
Velocity, bk.	25 32	121 47	...	var.	1	k.
Ancona, str.	24 31	119 20	.86	SW/W	2	k.
T. F. Oakes, sh.	23 49	118 30	...	SSW	2	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
May 31st.						
Gaelic, str.	23° 46′	118° 10′	29.78	SW	1	c.
Gerda, str.	23 29	117 54	.83	SW	2	om.
Tyr, str.	23 3	122 41	...	NE	2	c.
Lyeemoon, str.	23 2	116 50	.86	SW/W	3	c.
Nanyang, str.	22 52	116 29	.85	SW	...	c.
Strathleven, str.	21 47	113 51	.86	SW/S	3	k.
Zafiro, str.	21 42	119 6	.85	SW	4	c.
Brunhilde, str.	21 40	113 40	...	SW	4	k.
Ask, str.	20 19	111 7	.82	SSW	3	m.
Hanoi, str.	20 18	111 5	...	S	4	o.
China, str.	19 45	112 37	.86	SSE	2	k.
Phra Chula Chom Klao, str.	19 8	112 10	.85	SSW	3	b.
Shantung, str.	18 26	111 53	.85	SW	3	k.
I.M.C.C. Likin	18 18	110 44	.85	SSW	1	c.
Hydaspes, str.	16 11	113 12	.88	SSW	3	k.
May 31st.						
Sungkiang, str.	14° 35′	120° 57′	29.85	SSW	2	c.
Esmeralda, str.	14 35	120 57	.84	SW	1	k.
Apenrade, str.	14 23	112 2	.89	SE	3	k.
Argyll, str.	13 ...	109 45	.85	NE	2	b.
Harrow, str.	10 37	110 20	.81	SSW	4	b.
Glenearn, str.	10 7	107 9	.88	SW	2	k.
Machew, str.	8 37	105 55	.89	...	0	c.
Savona, sh.	6 15	108 26	...	...	0	c.
Sachem, sh.	5 40	107 23	...	var.	1	...
Siam, str.	5 39	107 11	.92	SSW	1	b.
Sonora, bk.	4 52	110 20	...	W	2	k.
Scottish Isles, sh.	2 40	106 55	...	var.	1	...
Taiyuan, str.	2 ...	125 ...	.89	SSE	5	c.
Malacca, str.	1 21	104 25	.90	SSW	1	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
June 1st.						
Wm. J. Rotch, sh.	49° 14′	141° 45′	29.79	NNE	2	o.
Empress of Japan, str.	40 55	152 4	30.01	ENE	4	o.
Nanchang, str.	37 52	121 21	29.81	NW	2	k.
Picciola, str.	37 34	122 ...	.78	WNW	2	k.
Brindisi, str.	33 58	130 55	.73	W	3	c.
Benmohr, str.	32 33	127 25	...	SW	4	o.
Australian, str.	30 5	122 47	.91	E	2	og.
China, str.	28 30	179 10	30.23	S	4	k.
Wosang, str.	27 43	121 23	29.88	NE	6	og.
Hupeh, str.	27 16	123 0	.78	NNE	3	om.
Tyr, str.	26 22	124 47	...	E	1	k.
Velocity, bk.	26 3	123 30	...	var.	1	o.
Gerda, str.	25 23	121 26	.79	SSW	3	c.
Airlie, str.	25 2	119 41	.79	SE	1	..
Invertay, str.	24 13	118 54	.80	SE	1	o.
Mirzapore, str.	24 4	118 9	.75	SW	2	...
T. F. Oakes, sh.	23 20	118 37	...	SSW	2	...
Charles E. Moody, sh.	22 40	179 50	...	ENE	2	orq.
Ask, str.	21 29	109 5	.79	WSW	3	o.
Hydaspes, str.	20 28	113 52	.82	SW/W	3	k.
Brunhilde, str.	18 59	111 54	...	SW	4	k.
I.M.C.C. Likin,	18 44	111 6	.80	SSW	1	b.
Strathleven, str.	18 25	111 30	.81	SW	4	k.
Zafiro, str.	17 50	119 32	.83	SW	3	c.
Apenrade, str.	17 22	114 29	.84	WSW	2	k.
Argyll, str.	16 45	111 ...	.85	var.	2	b.
Phra Chula Chom Klao, str.	15 42	110 15	.80	S	3	b.
Shantung, str.	15 34	110 6	.81	S	3	k.
Sungkiang, str.	14 35	120 57	.82	SSW	2	c.
Esmeralda, str.	14 35	120 57	.84	SW	3	k.
Decima, str.	11 34	109 9	.85	NW	2	...
Machew, str.	10 26	102 24	.85	W	2	c.
Phra Chom Klao, str.	8 29	105 22	.88	ESE	1	c.
Harrow, str.	7 42	108 24	.83	SW	2	b.
Savona, sh.	6 44	108 40	...	WSW	3	k.
Sachem, sh.	6 5	107 45	...	SW	2	k.
Keong Wai, str.	5 20	103 25	.89	W	2	c.
Sonora, bk.	4 33	110 11	...	W	2	k.
Scottish Isles, sh.	3 23	106 58	...	var.	1	...
Hupeh, str.	3 13	108 37	.88	var.	1	c.
Siam, str.	2 43	105 16	.90	S/W	2	b.
June 2nd.						
Wm. J. Rotch, sh.	50 8	141 30	29.79	NE	2	o.
Empress of Japan, str.	43 52	158 59	30.18	E	4	o.
Manila, str.	34 41	139 2	29.76	NE	2	k.
Brindisi, str.	33 58	130 55	.86	NW	3	c.
Chi Yuen, str.	32 52	122 41	.92	NNE	1	o.
Hupeh, str.	30 57	127 41	.87	NE	1	o.
China, str.	29 45	172 40	30.18	S	4	o.
Tyr, str.	29 27	124 26	...	NNE	5	o.
Invertay, str.	27 13	121 20	29.84	NE	5	o.
Gerda, str.	27 3	124 58	.80	NE	5	om.
Australian, str.	26 8	120 27	.86	N	4	od.
Velocity, bk.	26 1	125 6	...	NE N	7	...
Wosang, str.	24 32	118 48	.85	ENE	3	gru.
Airlie, str.	22 37	115 44	.81	ENE	2	k.
Charles E. Moody, sh.	21 56	176 40	...	ESE	2	k.
Ask, str.	21 29	109 5	.74	SE	3	op.
Hanoi, str.	20 42	107 5	...	SSW	4	o.
June 2nd.						
Apenrade, str.	20° 41′	116° 8′	29.79	var.	2	k.
Argyll, str.	20 15	113 ...	.81	S	4	b.
I.M.C.C. Likin	18 7	109 46	.78	SSW	2	c.
Brunhilde, str.	16 24	110 30	...	SW	4	k.
Strathleven, str.	15 12	110 8	.79	S	2	k.
Decima, str.	15 2	110 1	.84	S	2	k.
Sungkiang, str.	14 36	120 57	.77	SSW	2	c.
Esmeralda, str.	14 35	120 57	.77	SW	2	k.
Zafiro, str.	14 35	120 57	.84	...	0	b.
Shantung, str.	12 2	109 23	.79	S	1	k.
Phra Chula Chom Klao, str.	11 40	109 19	.78	S	1	b.
Phra Chom Klao, str.	10 9	108 44	.85	SW	3	c.
Savona, sh.	7 49	109 12	...	W	3	k.
Sachem, sh.	7 17	107 59	...	NW	4	k.
Hupeh, str.	7 4	109 18	.82	WSW	3	c.
Harrow, str.	5 4	106 46	.81	SW	4	cp.
Scottish Isles, sh.	5 1	107 5	...	SW	1	cp.
Sonora, bk.	3 36	108 4	...	W	2	c.
June 3rd.						
Wm. J. Rotch, sh.	50 47	141 45	30.03	...	0	k.
Empress of Japan, str.	46 36	166 37	.22	E	5	o.
Chi Yuen, str.	36 40	122 48	29.94	N	3	k.
Manila, str.	34 33	135 9	.96	...	0	g.
Brindisi, str.	33 58	130 55	.97	SE	3	c.
Issaac Reed, sh.	31 58	135 34	...	E	4	od.
China, str.	31 13	166 30	30.11	S	4	ofrq.
Invertay, str.	30 30	122 55	29.92	NE	2	o.
Gerda, str.	28 44	127 53	.74	NNE	7	c.
Benmohr, str.	26 59	121 22	...	NE	4	o.
Velocity, bk.	26 15	126 5	...	NNW	4	...
Australia, str.	22 59	116 58	.82	SE	4	cr.
Wosang, str.	22 31	115 13	.82	ENE	1	gru.
Chingping, str.	22 30	115 17	.82	var.	1	or.
T. F. Oakes, sh.	22 28	116 59	...	SSW	...	orq.
Ocampo, str.	21 22	113 52	...	S	5	q.
Charles E. Moody, sh.	20 58	173 52	...	ENE	2	opq.
Ask, str.	20 3	110 20	.73	S	3	o.
Decima, str.	18 21	111 21	.85	SSE	4	or.
I.M.C.C. Likin	18 12	109 33	.77	E	1	o.
Phra Chom Klao, str.	14 42	110 13	.78	SSE	3	c.
Sungkiang, str.	14 36	120 57	.82	WSW	2	b.
Esmeralda, str.	14 35	120 57	.83	SW	1	k.
Progress, str.	13 56	109 20	...	SSE	5	k.
Brunhilde, str.	13 28	109 56	...	S	5	k.
Memnon, str.	12 0	119 38	.89	...	0	b.
Strathleven, str.	11 23	109 9	.80	SSW	4	k.
Hupeh, str.	10 48	111 7	.85	W	2	c.
Savona, str.	9 29	109 25	...	W	3	...
Phra Chula Chom Klao, str.	8 56	106 35	.84	WSW	3	b.
Shantung, str.	8 51	108 11	.84	SW	3	k.
Sachem, sh.	8 48	108 56	...	var.	2	k.
Scottish Isles, sh.	6 3	107 39	...	var.	1	og.
Elizabeth, bk.	4 59	106 30	...	SW	4	...
Harrow, str.	2 38	105 0	.85	var.	1	cp.
Onsang, str.	1 20	104 48	.89	var.	1	...
June 4th.						
Empress of Japan, str.	48 33	175 10	29.95	E	5	k.
Chi Yuen, str.	38 25	119 22	30.06	SW	2	k.
Manila, str.	34 40	135 11	.02	S	2	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
June 4th.						
Invertay, str.	34° 32′	123° 56′	30.08	E	2	k.
Brindisi, str.	33 58	130 55	.09	...	0	cg.
Gaelic, str.	33 45	131 49	.11	...	0	c.
China, str.	32 51	159 58	.10	WNW	3	c.
Tsinan, str.	30 43	122 20	...	SE	5	or.
Issaac Reed, sh.	29 55	135 55	...	N	5	k.
Gerda, str.	29 48	130 35	.05	NE/E	5	omd.
Velocity, bk.	26 34	126 35	...	SE	4	k.
Chingping, str.	24 14	118 40	29.92	NE	4	...
Benmohr, str.	24 2	118 41	...	SE	1	...
Mazagon, str.	23 22	117 21	.91	SE	1	k.
Mascotte, str.	21 57	113 50	.85	SW	3	or.
Decima, str.	21 25	113 18	.88	var.	1	or.
Devawongse, str.	21 11	115 0	.85	SE	5	k.
Charles E. Moody, sh.	20 21	170 41	...	ENE	2	k.
Ask, str.	20 4	110 20	.84	N	2	op.
Jacob Christensen, str.	19 5	112 4	...	SW	7	o.
Ocampo, str.	18 33	112 24	.92	SW/S	7	q.
Phra Chom Klao, str.	18 19	111 26	.86	SSW	4	or.
I.M.C.C. Likin,	18 12	109 33	.86	WNW	1	c.
Conqueror, sh.	16 8	129 38	.94	NE	4	...
Memnon, str.	15 33	117 58	.88	E	2	o.
Holstein, str.	15 22	110 19	.85	var.	1	cg.
Sungkiang, str.	14 35	120 57	.82	W	3	b.
Esmeralda, str.	14 35	120 57	.85	W	1	k.
Hupeh, str.	14 35	112 50	.86	SE	3	c.
Chunshan, str.	11 56	109 20	.83	SE	3	k.
Savona, sh.	10 52	109 58	...	SSE	3	k.
Brunhilde, str.	10 52	108 34	...	...	0	...
Sachem, sh.	9 57	109 23	...	var.	2	o.
Scottish Isles, sh.	7 18	108 16	...	var.	1	...
Shantung, str.	5 38	106 36	.87	SW	2	orq.
Elizabeth, bk.	5 35	107 16	...	SW	1	og.
Melbourne, str.	4 51	105 31	.87	NE	1	c.
June 5th.						
Invertay, str.	38 15	121 40	30.10	SW	2	k.
Brindisi, str.	35 53	128 2	.16	NE	4	b.
Manila, str.	34 40	135 11	.18	SE	2	k.
Ceres, str.	33 29	134 27	.20	NE	1	c.
China, str.	32 47	152 55	29.72	NE	5	o.
Gerda, str.	31 55	133 58	30.09	NE	4	c.
Issaac Reed, sh.	27 56	135 21	...	E	6	k.
Velocity, bk.	27 14	127 15	...	E/N	2	o.
Tsinan, str.	26 41	120 45	29.98	E	2	o.
Chingping, str.	26 29	120 42	30.06	NNE	4	or.
Mazagon, str.	26 0	120 17	.02	NNE	4	o.
Hohenzollern, str.	24 8	118 34	.00	NE	4	o.
Benmohr, str.	22 22	115 17	...	SW	4	k.
Braemar, str.	22 15	114 22	29.90	E/S	4	k.
Phra Chom Klao, str.	21 54	113 49	.90	E	3	cp.
Victoria, str.	21 23	115 13	...	E	3	c.
Ask, str.	20 35	111 27	.90	E	1	o.
Hanoi, str.	20 25	108 20	...	NE	3	o.
Charles E. Moody, sh.	20 16	168 3	...	ENE	2	k.
Yuensang, str.	19 16	117 2	.84	ENE	3	c.
Memnon, str.	19 12	116 18	.89	...	2	c.
Mascotte, str.	18 42	111 37	.89	SE	2	b.
Devawongse, str.	18 32	112 18	.89	S/W	4	k.
Holstein, str.	18 30	111 48	.86	S	1	k.
Hupeh, str.	18 14	113 58	...	E	2	c.
I.M.C.C. Likin,	18 12	109 33	.88	S	1	c.
Conqueror, sh.	17 52	126 4	.94	ENE	4	...
Jacob Christensen, str.	16 15	110 25	.86	S	2	k.
Ocampo, str.	15 56	110 22	.90	SW/S	3	k.
Chunshan, str.	15 35	110 23	.88	SW	1	k.
Sungkiang, str.	14 35	120 57	.84	WSW	3	o.
Esmeralda, str.	14 35	120 57	.87	...	0	k.
Savona, sh.	12 6	109 53	...	NE	3	p.
Sachem, sh.	10 48	109 34	...	N/E	4	p.
Melbourne, str.	9 56	107 1	.91	NE	1	c.
Brunhilde, str.	8 39	105 49	...	SW	1	k.
Scottish Isles, sh.	7 54	108 28	...	var.	1	...
Elizabeth, bk.	6 29	107 55	...	SW	1	...
Siam, str.	4 37	103 48	.87	W/S	2	b.
Onsang, str.	3 25	105 33	.86	S	2	...
Shantung, str.	2 22	104 54	.85	var.	2	o.
Spinaway, bqt.	0 56	105 29	...	var.	1	cp.
Cassius, str.	0 35	106 12	.85	NE	4	cr.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
June 6th.						
Tyr, str.	37° 30′	130° 31′	...	E	3	k.
Tacoma, str.	34 53	139 23	30.18	S	4	c.
Manila, str.	34 25	134 17	.16	NE	2	k.
Gerda, str.	34 18	138 25	...	SW	2	c.
Gaelic, str.	34 10	138 0	...	SW	1	c.
China, str.	33 47	146 10	.22	NE	2	o.
Natal, str.	31 7	124 23	29.91	SE	1	o.
Ceres, str.	30 57	130 31	30.18	ESE	4	c.
Brindisi, str.	30 11	124 34	29.95	ESE	4	mgr.
Chingping, str.	29 13	122 38	.98	SE	1	or.
Mazagon, str.	28 57	122 34	.93	ESE	1	of.
Oanfa, str.	28 50	122 27	.91	SE	1	ofr.
Velocity, bk.	28 41	127 51	...	E	...	cp.
Hohenzollern, str.	26 50	123 20	.97	SE	4	q.
Issaac Reed, sh.	26 1	134 42	...	var.	1	o.
Strathesk, str.	25 29	121 10	.97	NNE	4	o.
Braemar, str.	24 17	118 13	.94	ENE	1	k.
Ancona, str.	23 51	118 15	30.00	NE	3	k.
Lyeemoon, str.	22 29	115 28	29.92	ENE	2	og.
Holstein, str.	21 29	113 40	.86	E	2	k.
Stanfield, bk.	21 2	112 44	.86	SE	2	...
Hanoi, str.	20 9	110 15	...	E	5	k.
Charles E. Moody, sh.	19 43	165 38	...	ENE	2	k.
Chunshan, str.	19 13	112 3	.86	E	2	k.
Victoria, str.	18 57	112 47	...	NNW	2	k.
Conqueror, sh.	18 38	122 42	.87	E	4	...
I.M.C.C. Likin,	17 56	110 25	.85	SSE	1	c.
Esmeralda, str.	16 11	118 53	.71	NNW	4	k.
Yuensang, str.	15 53	119 43	.66	...	0	cg.
Devawongse, str.	15 19	110 11	.84	S	3	k.
Mascotte, str.	15 7	109 51	.85	...	0	b.
Sungkiang, str.	14 35	120 57	.70	NNW	4	o.
Savona, sh.	12 57	110 31	...	NNE	4	k.
Sachem, sh.	10 47	111 15	...	var.	2	or.
Siam, str.	8 45	102 33	.87	var.	2	o.
Scottish Isles, sh.	8 24	108 34	...	var.	1	...
Onsang, str.	6 31	107 33	.86	...	2	...
Spinaway, bqt.	2 27?	104 44	.82?	S	4	g.
June 7th.						
Tyr, str.	41 13	131 19	...	SE	3	o.
Verona, str.	34 34	138 37	30.21	S/W	2	c.
Tacoma, str.	34 15	135 0	.10	S	5	c.
Manila, str.	33 30	129 25	29.84	SSE	5	orq.
Chingping, str.	32 30	123 25	.88	var.	1	or.
Mazagon, str.	30 0	123 20	.81	S	3	f.
Natal, str.	29 50	123 3	.79	SSE	2	o.
Hohenzollern, str.	29 45	128 27	.95	SSE	4	q.
Ceres, str.	29 38	126 6	...	SSE	4	c.
Velocity, bk.	29 16	129 30	...	SE/S	4	o.
Brindisi, str.	27 41	121 54	.81	S	2	c.
Strathesk, str.	26 58	124 33	.86	SSE	5	o.
Ancona, str.	26 57	122 12	.86	S	4	k.
Braemar, str.	26 6	119 49	.78	...	0	f.
Issaac Reed, sh.	25 43	134 50	...	SSE	1	...
Oanfa, str.	24 52	119 37	.81	var.	2	om.
Lyeemoon, str.	24 50	119 36	.82	NE	1	cf.
Tsinan, str.	24 8	118 13	.87	SE	2	k.
China, str.	21 14	114 3	.79	E	2	o.
Hanoi, str	20 30	111 20	...	...	0	o.
Stanfield, bk.	19 41	112 8	.81	var.	1	...
Charles E. Moody, sh.	19 36	163 25	...	E/S	2	k.
Esmeralda, str.	19 26	116 48	.70	E	5	k.
Conqueror, sh.	19 4	119 16	.74	SSE	4	...
I.M.C.C. Likin,	18 0	110 10	.78	...	0	c.
Victoria, str.	16 37	110 17	...	W	3	k.
Sungkiang, str.	14 35	120 57	.86	WSW	3	o.
Progress, str.	14 24	109 15	...	SSE	2	k.
Savona, sh.	14 1	111 58	...	WSW	4	...
Wuotan, str.	11 43	109 11	.85	S	1	k.
Sachem, sh.	11 38	111 54	...	SSW	5	o.
Devawongse, str.	11 16	108 15	.80	var.	2	k.
Mascotte, str.	11 8	108 49	.81	SSW	3	b.
Onsang, str.	9 42	109 41	.86	SSW	2	...
Scottish Isles, sh.	9 24	109 8	...	SW	3	k.
Spinaway, bqt.	4 5	104 46	.82?	SW	1	cp.
Sonora, bk.	3 3	109 53	...	S	2	k.
June 8th.						
Belgic, str.	45 53	176 40	30.25	SW	5	c.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
June 8th.						
Picciola, str.	38° ...′	121° ...′	29.62	S	2	...
Chi Yuen, str.	37 43	121 47	.74	SSE	2	k.
Chingping, str.	36 1	123 3	.86	var.	1	f.
Tacoma, str.	34 40	135 11	.92	SE	3	or.
Verona, str.	34 40	135 11	.88	NE/E	4	o.
Manila, str.	33 20	129 10	.75	SE	3	od.
Hohenzollern, str.	32 25	134 4	.92	SSE	5	o.
Velocity, bk.	30 40	128 58	...	var.	5	k.
Ancona, str.	30 11	126 30	.86	N	4	or.
Lycemoon, str.	29 2	122 28	.84	NW	3	or.
Strathesk, str.	28 44	128 8	.86	SSW	4	o.
Ceres, str.	27 4	122 7	.80	S	2	or.
Natal, str.	25 33	120 37	.81	...	0	o.
Issaac Reed, sh.	25 32	134 33	...	S/W	1	k.
Brindisi, str.	24 57	119 43	.75	var.	2	c.
Apenrade, str.	22 3	115 43	.72	var.	4	orq.
Oanfa, str.	21 12	116 13	.69	NE	3	c.
Conqueror, sh.	19 39	115 51	.64	NW	4	...
Charles E. Moody, sh.	19 36	161 45	...	E	2	k.
Stanfield, bk.	18 54	112 39	.73	SSW	5	...
I.M.C.C. Likin,	18 17	110 18	.72	SW	2	c.
China, str.	18 9	111 27	.77	SW	5	k.
Savona, sh.	15 36	112 54	...	S	4	k.
Wuotan, str.	15 10	110 33	.81	S	3	k.
Sungkiang, str.	14 35	120 57	.84	SE	3	k.
Sachem, sh.	14 9	112 33	...	S	5	o.
Melbourne, str.	14 0	110 8	.81	SSW	2	c.
Victoria, str.	13 37	109 26	...	S	4	c.
Onsang, str.	13 7	111 44	.85	SSW	3	...
Scottith Isles, sh.	10 43	110 6	...	SW	4	k.
Elizabeth, bk.	9 15	109 56	...	SW	4	...
Devawongse, str.	8 50	106 8	.81	SW	4	k.
Spinaway, bqt.	5 40	105 35	.87?	SSW	2	...
Peshawur, str.	4 51	106 10	.79	SE	2	c.
Sonora, bk.	3 59	109 16	...	SW	5	c.
June 9th.						
Belgic, str.	44 55	170 22	30.49	W	4	c.
Hohenzollern, str.	35 9	139 43	29.93	SW	5	m.
China, str.	34 46	139 13	.90	SW	4	or.
Tacoma, str.	34 40	135 11	.96	SW	3	o.
Verona, str.	34 40	135 11	.94	S	1	o.
Chi Yuen, str.	34 39	122 42	.91	SSE	2	o.
Skarpsno, str.	33 0	127 49	...	S	2	o.
Velocity, bk.	31 37	131 19	...	SSE	4	p.
Strathesk, str.	30 0	131 32	.98	ESE	2	o.
Braemar, str.	26 11	119 54	.69	NNE	6	k.
Issaac Reed, sh.	24 54	134 14	...	SE	...	...
Brindisi, str.	22 54	116 37	.72	E	3	c.
Natal, str.	22 31	115 24	.73	NNW	1	c.
Conqueror, sh.	21 21	114 37	.68	...	...	...
Charles E. Moody, sh.	19 35	160 49	...	var.	1	k.
Airlie, str.	19 21	116 14	.75	SSW	3	...
Melbourne, str.	19 15	112 8	.71	W	4	o.
Wuotan, str.	18 42	111 54	.74	SSW	2	k.
Savona, sh.	18 7	113 22	...	S	3	o.
I.M.C.C. Likin	18 3	109 54	.69	SW	1	o.
Stanfield, bk.	17 28	113 37	.71	SSW	5	p.
Oanfa, str.	16 43	113 51	.73	SSW	4	c.
Sungkiang, str.	16 31	118 39	.83	SE	4	or.
Sachem, sh.	16 21	113 46	...	SW	6	og.
Onsang, str.	16 20	113 19	.77	SW	3	...
China, str.	14 55	109 59	.72	SSW	5	o.
Scottish Isles, sh.	12 41	110 56	...	SW	4	k.
Victoria, str.	11 6	108 36	...	WSW	4	c.
Mongkut, str.	9 12	103 31	.81	SW	4	c.
Peshawur, str.	9 10	108 57	.77	var.	1	k.
Spinaway, bqt.	7 3	106 40	.80	SSW	1	c.
Sonora, bk.	6 42	108 8	...	S	5	or.
Bengloe, str.	1 20	104 20	.82	var.	2	...
June 10th.						
Empress of India, str.	49 2	168 31	30.41	WSW	4	k.
Belgic, str.	43 55	163 19	.49	S	4	c.
Picciola, str.	36 12	123 20	29.86	E	3	k.
Gaelic, str.	35 3	145 20	30.06	SSW	5	omp.
Tacoma, str.	34 24	134 14	.01	WSW	3	m.
Verona, str.	33 45	132 30	29.99	N	1	c.
Velocity, bk.	32 31	132 58	...	var.	1	or.
China, str.	32 29	133 12	30.06	ESE	2	cp.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
June 10th.						
Strathesk, str.	32° 16′	134° 42′	30.10	ESE	2	o.
Manila, str.	31 9	122 0	29.68	NW	4	orq.
Skarpsno, str.	31 0	125 48	...	S	5	or.
Braemar, str.	29 50	122 38	.78	SW	4	k.
Issaac Reed, sh.	23 21	133 37	...	E	5	k.
Phra Nang, str.	23 19	116 44	.83	...	0	k.
Nanyang, str.	23 9	117 25	.75	var.	2	orq.
Ask, str.	21 45	113 28	.77	SW	4	op.
Wuotan, str.	21 45	113 41	.79	...	0	or.
Sungkiang, str.	20 21	116 24	.81	W	4	orq.
Onsang, str.	19 50	113 48	.76	NW/W	4	...
Savona, sh.	19 42	113 22	...	E	4	or.
Apenrade str.	19 29	112 17	.75	SW	4	k.
Charles E. Moody, sh.	19 22	159 50	...	var.	2	orq.
Sachem, sh.	19 2	113 40	...	var.	6	opq.
I.M.C.C. Likin	18 18	110 28	.74	S	1	c.
Stanfield, bk.	16 40	115 ...	.86	S	5	...
Airlie, str.	15 44	118 46	.84	...	...	k.
Scottish Isles, sh.	14 58	113 29	...	SW	5	cp.
Peshawur, str.	13 37	111 48	.78	SE	3	k.
Elizabeth, bk.	12 43	112 51	.81	SSW	1	...
Oanfa, str.	12 19	111 23	.79	SSW	3	cp.
Glenearn, str.	12 8	109 24	.76	SW	2	k.
Strathlyon, str.	11 31	109 9	.76	SE	4	o.
China, str.	11 16	108 59	.78	SSW	4	k.
Mongkut, str.	9 22	106 57	.83	SW	2	cq.
Sonora, bk.	8 35	109 50	...	SSW	5	og.
Spinaway, bqt.	8 27	107 28	.80	var.	2	c.
Victoria, str.	8 16	107 22	...	SW	3	...
Bengloe, str.	5 1	106 34	.81	var.	1	or.
Orestes, str.	3 55	105 40	.78	SE	4	orq.
Cassius, str.	3 15	105 14	.78	SE	4	o.
Shantung, str.	0 55	105 41	.80	SE	3	k.
June 11th.						
Empress of India, str.	47 40	160 19	29.92	SSE	5	m.
Belgic, str.	42 26	156 35	30.10	S	3	o.
Gaelic, str.	34 48	151 42	.13	...	0	c.
Strathesk, str.	34 12	138 19	.05	SW	2	o.
Picciola, str.	33 33	123 ...	29.82	ESE	3	f.
Verona, str.	33 18	129 20	.96	S	4	o.
Velocity, bk.	32 21	134 53	...	WSW	3	k.
Skarpsno, str.	28 32	122 45	...	S	3	o.
Issaac Reed, sh.	21 56	132 3	...	ESE	5	k.
Savona, sh.	20 59	113 32	...	...	0	or.
Ask, str.	20 14	110 48	.81	S	4	op.
Sachem, sh.	19 57	113 22	...	E	4	k.
Charles E. Moody, sh.	19 31	157 15	...	ESE	2	k.
Decima, str.	19 24	112 1	.84	SW/S	6	orq.
I.M.C.C. Likin	18 22	110 33	.80	S	2	ol.
Peshawur, str.	18 17	113 47	.83	E	2	o.
Natal, str.	17 21	111 38	.83	SSE	1	o.
Scottish Isles, sh.	16 55	113 55	...	SE	4	cp.
Apenrade, str.	16 30	110 24	.79	S	5	orq.
Stanfield, bk.	15 57	114 3	...	var.	4	...
Glenearn, str.	15 49	110 28	.78	S	5	k.
Strathlyon, str.	14 26	110 7	.78	SSE	4	k.
Elizabeth, bk.	14 1	113 32	...	ESE	2	orq.
Mongkut, str.	12 17	109 28	.81	N	1	b.
Sonora, bk.	10 52	110 16	...	SW	5	c.
Spinaway, bqt.	9 19	107 8	.80	var.	1	og.
China, str.	8 47	106 7	.80	SW/W	2	k.
Keong Wai, str.	8 46	106 18	.82	SE	3	c.
Bengloe, str.	8 28	108 57	.83	NE	1	k.
Oanfa, str.	8 24	108 58	.83	S	2	c.
Orestes, str.	7 47	108 22	.81	SSE	1	k.
Cassius, str.	6 31	107 17	.78	NE	1	c.
Victoria, str.	5 12	105 55	...	SSW	1	c.
Rohilla, str.	4 15	105 45	.82	E	1	k.
Casa Blanca, bk.	0 9	123 6	...	var.	3	c.
June 12th.						
Victoria, str.	50 3	180 0	30.04	W/S	4	bf.
Empress of India, str.	44 58	153 3	29.85	NW	2	k.
Belgic, str.	40 17	150 41	30.01	W	4	c.
Nanchang, str.	35 24	122 48	29.87	ENE	2	f.
Gaelic, str.	34 13	157 55	30.16	...	0	om.
Velocity, bk.	32 46	140 24	...	W/S	1	...
Verona, str.	31 54	128 33	29.96	S/W	4	omr.
Braemar, str.	31 48	123 56	.82	SE	3	f.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
June 12th.						
Picciola, str.	30° 39′	123° 14′	29.82	S/E	1	f.
China, str.	30 19	126 38	.92	SSE	4	f.
Skarpsno, str.	26 16	120 33	...	S	3	k.
Empress of China, str.	25 12	119 50	.90	SSE	4	b.
Wosang, str.	25 8	119 41	.93	S	3	b.
Afrida, str.	23 57	118 33	.82	S	2	k.
Ask, str.	21 19	109 3	.87	SSE	3	o.
Issaac Reed, sh.	21 18	129 25	...	E	4	k.
Esmeralda, str.	21 10	115 1	.86	ESE	4	o.
Phranang, str.	20 57	114 54	.91	ESE	3	k.
Phra Chom Klao, str.	19 29	111 58	.90	WSW	4	or.
Charles E. Moody, sh.	19 26	153 53	...	SE	5	k.
Glenearn, str.	19 24	112 23	.90	ESE	2	k.
Scottish Isles, sh.	19 2	113 34	...	SE	2	o.
Arratoon Apcar, str.	18 59	113 21	.91	SE	...	or.
I.M.C.C. Likin	18 30	110 32	.89	SSE	1	o.
Strathlyon, str.	17 43	111 8	.86	ENE	4	c.
Decima, str.	16 19	110 31	.88	SE	5	o.
Elizabeth, bk	16 10	113 54	.85	E/N	3	...
Mongkut, str	15 55	110 16	.87	var.	4	om.
Stanfield, bk.	13 52	113 10	.86	...	...	oqlt.
Natal, str.	12 47	109 37	.87	...	0	c.
Apenrade, str.	12 41	109 32	.83	var.	...	k.
Sonora, bk.	12 29	111 26	...	SSW	2	c.
Bengloe, str.	12 9	111 6	.85	N	2	orq.
Keong Wai, str.	11 48	109 17	.86	N	2	c.
Orestes, str.	11 39	111 9	.82	NE	2	orq.
Spinaway, bqt.	9 58	109 29	...	var.	2	or.
Cassius, str.	9 50	108 29	.82	E	3	or.
Airlie, str.	8 19	121 53	.82	NE	1	k.
Rohilla, str.	7 35	108 24	.84	NNW	2	o.
Oanfa, str.	4 12	106 6	.82	var.	1	o.
Casa Blanca, bk.	0 18	123 20	...	var.	1	...
June 13th.						
Victoria, str.	48 30	172 42	29.74	SW/S	4	f.
Empress of India, str.	41 21	146 37	30.01	var.	1	k.
Belgic, str.	37 45	145 4	.13	ESE	3	c.
Invertay, str.	36 5	122 57	29.74	...	0	k.
Hohenzollern, str.	35 8	139 41	.96	S	1	k.
Ancona, str.	34 36	138 55	30.08	E	4	o.
Gaelic, str.	33 48	163 45	.17	SE	3	cm.
Tacoma, str.	33 44	130 2	29.86	SW	4	op.
Velocity, bk.	33 39	141 2	...	ENE	2	o.
Braemar, str.	33 34	129 8	.79	S	4	...
Amigo, str.	31 51	127 2	.82	SSW	3	f.
Nanchang, str.	31 31	123 27	.81	...	0	m.
Empress of China, str.	30 52	122 14	.81	S	1	b.
Evandale, str.	30 46	127 1	.87	SSW	3	k.
Wosang, str.	29 1	122 13	.83	SW	1	f.
Verona, str.	29 0	124 39	.85	S	3	c.
Picciola, str.	28 13	122 12	.81	SSW	3	o.
China, str.	26 47	121 55	.83	S	4	k.
Afrida, str.	26 39	121 51	.78	S	2	k.
Skarpsno, str.	23 51	118 19	...	SW	2	k.
Bygdo, str.	22 30	115 25	...	E	1	k.
Peshawur, str.	22 14	114 34	.90	E	1	k.
Issaac Reed, sh.	20 52	127 33	...	SE	4	k.
Ask, str.	20 40	106 53	.87	var.	4	orq.
Scottish Isles, sh.	20 35	113 17	...	ESE	3	k.
Strathlyon, str.	20 24	112 55	.90	ENE	3	b.
Mongkut, str.	19 23	112 3	.85	NE	2	b.
Charles E. Moody, sh.	19 14	151 30	...	SE	2	k.
Brindisi, str.	18 49	113 37	.89	E	2	c.
I.M.C.C. Likin,	18 38	110 38	.84	SSE	1	c.
Phra Nang, str.	18 23	111 41	.87	ESE	2	k.
Esmeralda, str.	17 44	117 37	.80	SE/E	2	k.
Progress, str.	17 40	109 48	...	var.	1	...
Elizabeth, bk	17 40	113 48	.84	NE	3	...
Phra Chom Klao, str.	16 12	110 3	.89	SSE	3	o.
Bengloe, str.	15 52	112 9	.87	NE	3	k.
Keong Wai, str.	15 42	110 21	.86	E	2	b.
Orestes, str.	15 37	113 40	.84	ENE	3	c.
Arratoon Apcar, str.	14 40	112 45	.84	SE	...	k.
Sonora, bk.	13 37	110 39	...	...	0	c.
Cassius, str.	13 13	110 2	.80	NE	2	o.
Decima, str.	12 58	109 29	...	S	2	orq.
Stanfield, bk.	12 26	112 20	.86	ESE	4	o.
Rohilla, str.	11 11	110 35	.82	E	2	k.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
June 13th.						
Spinaway, bqt.	11° 4′	109° 36′	...	NNE	2	o.
Machew, str.	9 41	107 11	29.81	var.	2	og.
Airlie, str.	4 47	123 30	.80	SE	2	k.
Casa Blanca, bk.	0 21	122 56	...	NE	...	...
June 14th.						
Victoria, str.	46 49	165 30	29.96	SW	4	f.
Empress of India, str.	37 17	141 25	.92?	SSW	4	k.
Belgic, str.	34 59	140 5	.98	S	3	c.
Velocity, bk.	34 43	142 22	...	S	4	o.
Chi Yuen, str.	33 19	122 49	.62	var.	1	f.
Gaelic, str.	32 42	169 33	30.23	ESE	3	c.
Invertay, str.	32 25	122 59	29.52	S	5	f.
Pathan, str.	32 22	127 10	...	SE	3	o.
Empress of China, str.	31 38	124 28	.58	S	5	b.
Tacoma, str.	31 6	126 10	.74	S	5	c.
Wosang, str.	30 46	122 18	.57	S	7	fgt.
Manila, str.	29 40	122 31	.62	S/W	4	f.
Afrida, str.	29 36	124 40	.72	S	4	k.
Amigo, str.	29 35	124 22	.73	S	5	k.
Evandale, str.	28 27	124 22	.75	SSW	4	k.
Nanchang, str.	28 13	122 51	.71	S	6	k.
Verona, str.	26 1	120 57	.75	SW/S	4	c.
Picciola, str.	25 39	120 27	.78	SW/S	3	k.
Peshawur, str.	24 45	119 16	.72	SW	2	k.
Bygdo, str.	24 35	118 59	...	S	1	k.
Chunshan, str.	24 30	118 58	.78	S	4	k.
China, str.	23 34	117 51	.76	SW	2	k.
Skarpsno, str.	22 19	115 47	...	SW	2	k.
Scottish Isles, sh.	21 36	113 56	...	SE	3	k.
Sungkiang, str.	21 20	114 59	.81	...	0	c.
Ask, str.	20 52	106 41	.72	var.	2	or.
Progress, str.	20 25	112 22	...	ENE	5	k.
Orestes, str.	20 11	113 44	.79	SW	1	k.
Issaac Reed, sh.	20 0	125 5	...	SSE	5	k.
Bengloe, str.	19 54	113 38	.81	NE	1	k.
Keong Wai, str.	19 29	112 16	.82	SE	2	b.
Memnon, str.	19 20	115 14	.72	...	0	c.
Elizabeth, bk.	18 39	113 28	.80	...	...	b.
Charles E. Moody, sh.	18 37	149 25	...	SSE	1	or.
I.M.C.C. Likin,	18 35	110 33	.79	S	1	c.
Cassius, str.	16 33	111 21	.75	NNE	3	c.
Rohilla, str.	15 21	112 41	.83	SW	2	k.
Brindisi, str.	15 1	112 45	.81	SW/S	1	b.
Phranang, str.	14 53	110 3	.77	S	3	k.
Zafiro, str.	14 28	120 24	.80	...	0	c.
Sonora, bk.	14 33	112 0	...	ENE	1	c.
Esmeralda, str.	14 28	120 23	.76	var.	2	o.
Machew, str.	12 43	109 34	.80	var.	1	c.
Phra Chom Klao, str.	12 16	109 27	.82	SSW	2	o.
Arratoon Apcar, str.	11 37	110 34	.82	SSE	...	c.
Stanfield, bk.	11 26	112 24	.81	var.	...	od.
Spinaway, bqt.	11 22	109 46	.77	var.	2	og.
Strathleven, str.	10 18	107 4	.80	ESE	...	...
Decima, str.	10 15	107 19	.82	W	...	...
Phra Chula Chom Klao, str.	9 24	106 59	.76	NW	1	c.
Siam, str.	8 30	105 11	.85	var.	2	c.
Nanshan, str.	1 22	103 15	.87	S	2	...
Orono, str.	1 19	125 41	.80	...	...	c.
Airlie, str.	1 18	125 26	.77	S/W	3	...
June 15th.						
Victoria, str.	44 38	158 51	29.90	NW	4	p.
Chingping, str.	38 40	118 42	.52	SW	4	k.
Chi Yuen, str.	37 9	122 50	.65	SSW	2	k.
Velocity, bk.	35 9	145 54	...	SSW	3	c.
Gaelic, str.	31 21	175 4	30.26	E	3	c.
Afrida, str.	32 8	127 4	29.79	S	4	op.
Pectan, str.	30 31	122 28	.73	S	3	f.
Invertay, str.	29 49	123 0	.71	S	4	o.
Pathan, str.	29 41	124 11	...	SSE	3	...
Peshawur, str.	29 7	122 21	.75	SSE	3	k.
Tacoma, str.	28 4	122 54	.80	SSW	4	c.
Amigo, str.	26 49	122 20	.78	SSW	4	k.
Bygdo, str.	26 32	120 25	...	S	2	c.
Evandale, str.	26 32	121 44	.79	SSW	3	k.
Manila, str.	26 7	120 7	.78	SSW	2	k.
Nanchang, str.	25 48	120 15	.77	SSW	4	k.
Picciola, str.	23 37	118 11	.78	SW	1	k.
Verona, str.	23 15	117 28	.78	var.	1	c.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
June 15th.						
Skarpsno, str.	20° 53′	112° 17′	...	S	2	k.
Ask, str.	20 52	106 41	29.67	S	2	or.
Issaac Reed, sh.	19 55	122 47	...	E	5	k.
Cassius, str.	19 48	113 0	.72	E	2	b.
Elizabeth, bk.	19 30	113 36	...	S	1	...
Rohilla, str.	19 22	113 38	.81	S	1	k.
I.M.C.C. Likin,	18 30	110 20	.74	SE	2	c.
Charles E. Moody, sh.	18 26	147 56	...	var.	1	opq.
Zafiro, str.	17 50	117 51	.80	E	1	c.
Sungkiang, str.	17 43	118 1	.77	SE	2	c.
Machew, str.	16 48	110 42	.73	SSE	4	c.
Memnon, str.	15 36	116 27	.71	SSE	3	c.
Sonora, bk.	15 22	112 19	...	SW	2	k.
Strathleven, str.	12 36	109 36	.77	SW	2	k.
Ocampo, str.	12 27	109 38	.76	var.	1	o.
Phra Chula Chom Klao, str.	12 26	109 29	.75	NNE	2	c.
Phra Nang, str.	12 15	109 12	.74	SSW	2	k.
Brindisi, str.	12 2	110 38	.78	SSE	2	o.
Spinaway, bqt.	11 56	110 8	.74	var.	1	...
Siam, str.	10 37	108 14	.75	NNW	2	orq.
Phra Chom Klao, str.	9 22	106 53	.82	NW	4	o.
Arratoon Apcar, str.	8 40	109 16	.77	W	...	o.
Orono, str.	4 8	123 54	.75	...	...	k.
June 16th.						
Victoria, str.	42 0	152 30	30.06	NNE	4	c.
Chi Yuen, str.	38 27	119 7	29.65	var.	1	k.
Velocity bk.	35 6	147 41	...	N	5	c.
Belgic, str.	34 27	138 44	30.05	...	0	bm.
Braemar, str	34 22	133 45	.02	...	0	k.
Empress of India, str.	34 20	135 2	.05	...	0	c.
Afrida, str.	34 0	130 51	29.96	S	2	k.
Empress of China, str.	33 58	132 44	30.03	NE	2	b.
H.M.S. Narcissus,	33 37	125 13	29.89	SW	2	f.
Bygdo, str.	31 14	122 47	...	SSE	2	f.
Peshawur, str.	30 20	122 23	.81	S	5	k.
Pectan, str.	27 36	121 46	.88	S	5	b.
Invertay, str	27 18	121 19	.87	S	2	k.
Pathan, str.	26 54	121 27	...	var.	var.	k.
Tacoma, str.	25 10	119 42	.88	...	0	b.
Evandale, str.	24 31	119 3	.85	WNW	2	c.
Nanchang, str.	23 21	117 24	.81	E	1	o.
Elizabeth, bk.	21 4	113 45	...	E/S	2	...
Zafiro, str	21 1	115 40	.82	E	2	c.
Ask, str.	20 52	106 41	.68	SE	6	or.
Issaac Reed, sh.	20 30	120 4	...	E	5	k.
Skarpsno, str.	20 10	110 8	...	S	1	orq.
Machew, str.	19 57	113 44	.79	SE	4	c.
I.M.C.C. Likin,	18 12	109 33	.76	SE	3	c.
Charles E. Moody, sh.	17 47	145 31	...	SSE	2	k.
Sonora, bk.	16 48	113 11	...	S	2	k.
Strathleven, str.	16 16	110 34	.76	S	2	cp.
Phra Chula Chom Klao, str.	16 14	109 9	.69	SSE	3	b.
Ocampo, str.	15 56	110 50	.78	SE	4	q.
Sungkiang, str.	14 21	120 30	.80	SE	3	c.
Spinaway, bqt.	13 30	111 12	.74	var.	2	o.
Phra Nang, str.	11 51	109 20	.78	E	2	k.
Memnon, str.	11 40	117 38	.71	S	2	o.
Stanfield, bk.	9 50	111 48	.76	SW	1	...
Phra Chom Klao, str.	9 0	103 41	.79	SW	3	o.
Brindisi, str.	8 41	108 52	.76	W	4	c.
Brunhilde, str.	8 26	105 6	...	var.	1	o.
Arratoon Apcar, str.	3 0	105 22	.81	SW	...	c.
June 17th.						
Victoria, str.	39 4	147 0	30.08	SW/S	2	c.
H.M.S. Narcissus,	37 9	122 45	29.82	SW/S	2	om.
Chingping, str.	36 3	122 40	.92	SSW	4	o.
Velocity, bk.	34 56	150 0	...	N	2	...
Bygdo, str.	34 38	122 35	...	SSE	1	omr.
Empress of India, str.	34 22	133 6	30.11	...	0	k.
Hohenzollern, str.	33 55	130 22	.09	SE	1	m.
Belgic, str.	32 14	133 53	.11	...	0	c.
Peshawur, str.	30 33	122 32	29.86	S	3	...
Invertay, str.	24 30	119 4	.91	SW	1	k.
Pathan, str.	24 18	118 41	.94	var.	var.	k.
Pectan, str.	24 12	119 33	.95	var.	3	b.
Orestes, str.	23 25	117 44	.95	NE	1	o.
Machew, str.	23 4	116 42	.94	ESE	4	c.
Evandale, str.	22 46	116 23	.89	SSE	3	k.
June 17th.						
Tacoma, str.	22° 43′	116° 16′	29.92	SSE	3	c.
Macduff, str.	22 15	114 26	.88	ESE	4	k.
Issaac Reed, sh.	21 46	117 12	...	E	5	k.
Ask, str.	20 52	106 41	.79	E	3	or.
Strathleven, str.	19 36	112 26	.85	ESE	4	k.
Phra Chula Chom Klao, str.	19 30	108 34	.79	NE	1	o.
Wuotan, str.	19 18	112 4	.85	SE	2	k.
Ocampo, str.	19 16	112 22	.86	ESE	4	q.
Sonora, bk.	18 21	113 4	...	WSW	2	k.
I.M.C.C. Likin,	18 12	109 33	.78	SE	1	o.
Siam, str.	17 41	111 14	.85	ESE	4	bq.
Charles E. Moody, sh.	17 8	142 49	...	E	2	k.
Spinaway, bqt.	15 7	112 54	.77	ESE	4	k.
Sungkiang, str.	14 21	120 30	.83	SE	3	c.
Brunhilde, str.	10 4	107 39	...	SW	1	orq.
Orono, str.	9 46	121 44	.83	...	...	...
Stanfield, bk.	8 40	111 6	.81	SW	5	oq.
Phra Nang, str.	8 32	107 30	.84	...	0	o.
Memnon, str.	8 17	116 46	.74	S/W	4	or.
Brindisi, str.	5 44	106 46	.83	S	3	cpq.
Nanshan, str.	1 46	104 40	...	...	...	k.
June 18th.						
Bygdo, str.	37 31	122 16	...	S	1	f.
Victoria, str	35 55	141 41	29.93	SW/W	3	b.
Velocity, bk.	34 31	150 47	...	WSW	2	k.
Chingping, str.	33 7	122 42	.82	S	5	or.
Gerda, str.	32 34	132 45	.97	SE	3	c.
Hohenzollern, str.	32 8	128 56	.96	ESE	3	k.
Belgic, str.	31 50	129 36	.97	ESE	3	c.
Wosang, str.	31 24	122 19	.86	WSW	3	or.
Peshawur, str.	30 45	122 17	...	S	3	c.
Orestes, str.	27 6	121 20	.89	W	1	c.
Chunshan, str.	24 24	118 39	.90	WNW	2	k.
Macduff, str.	23 47	118 14	.88	W	1	b.
Sabine Rickmers, str.	23 24	117 35	.91	...	0	...
Invertay, str.	22 43	116 0	.92	SE	2	k.
Ask, str.	21 28	109 5	.79	var.	2	c.
Pathan, str.	21 25	116 8	.91	SSE	3	og.
Siam, str.	21 1	113 12	.91	var.	3	oq.
Pectan, str.	20 10	119 33	.86	ESE	4	b.
Sonora, bk.	19 40	112 57	...	WSW	5	k.
I.M.C.C. Likin,	18 12	109 33	.88	SE	1	c.
Charles E. Moody, sh.	17 0	140 33	...	ENE	2	k.
Spinaway, bqt.	16 59	114 12	.82	var.	3	o.
Wuotan, str.	16 15	110 4	.89	SSE	2	od.
Sungkiang, str.	14 21	120 30	.88	SE	2	b.
Orono, str.	12 38	120 46	.90	...	...	...
Brunhilde, str.	12 37	109 33	...	N	1	o.
Mascotte, str.	12 9	109 21	.79	NNW	3	or.
Stanfield, bk.	6 49	110 52	.91	...	...	...
Phra Nang, str.	5 9	105 52	.95	SW/S	2	or.
Nanshan, str.	4 52	106 51	.94	var.	2	p.
Brindisi, str.	2 53	105 3	.90	S	4	opq.
Socotra, sh.	1 47	106 1	...	SE	4	o.
Paramita, sh.	0 23	107 56	...	E	var.	orq.
June 19th.						
Tyr, str.	42 53	134 46	...	SE	2	f.
Chi Yuen, str.	38 10	120 20	29.77	NNE	3	k.
Wosang, str.	35 24	122 48	.68	N	3	c.
Velocity, bk.	34 10	154 9	...	WSW	6	o.
Braemar, str.	34 1	137 39	.78	SSE	3	k.
Strathesk, str.	33 59	137 35	.80	SW	2	o.
Belgic, str.	31 48	128 30	.71	SW	4	c.
Empress of India, str.	31 45	125 24	.71	W	2	m.
Orestes, str.	31 13	121 53	.71	NE	2	c.
Gerda, str.	30 44	129 38	.69	SW	4	orq.
Chingping, str.	29 42	122 40	.74	SSW	1	m.
Hohenzollern, str.	28 56	124 20	.69	SSW	3	o.
Macduff, str.	25 48	122 8	.76	SW	5	c.
Sabine Rickmers, str.	25 45	121 8	.79	SW	6	c.
Mongkut, str.	22 20	114 4	.83	SW	2	c.
Manila, str.	21 43	113 55	.80	ESE	2	k.
Sonora, bk.	21 18	113 20	...	SW	2	k.
Ask, str.	20 7	110 11	.82	ESE	3	cq.
Phra Chula Chom Klao, str.	20 5	110 56	.82	E	2	b.
Hupeh, str.	19 36	114 12	.85	S	2	c.
I.M.C.C. Likin,	18 12	109 33	.85	NE	1	c.
Spinaway, bqt.	18 4	114 12	...	var.	2	...

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
June 19th.						
Pathan, str.	17°45′	114° 7′	29.86	SSW	3	cp.
Rosetta, str.	17 28	113 43	.84	SSE	3	b.
Charles E. Moody, sh.	17 1	138 31	...	ENE	2	orq.
Pectan, str.	16 11	119 40	.86	var.	2	b.
Mascotte, str.	15 45	110 10	.77	SE	4	or.
Brunhilde, str.	15 41	110 16	...	E	4	o.
Orono, str.	15 20	118 58	.88	NNW	2	...
Sungkiang, str.	14 21	120 30	.90	SE	2	c.
Yuensang, str.	14 8	120 40	.87	N	2	c.
Wuotan, str.	13 2	109 42	.81	SW	1	k.
Nanshan, str.	7 40	109 7	...	NW	2	cp.
Stanfield, bk.	4 51	110 56	.86	var.	...	...
Socotra, sh.	2 10	106 34	...	NNE	1	...
Phra Nang, str.	1 39	104 31	.90	var.	1	o.
Shantung, str.	0 29	106 16	.87	var.	1	k.
June 20th.						
Tyr, str.	45 35	137 49	...	NE	2	f.
Bygdo, str.	40 15	121 40	...	NNW	1	k.
Empress of China, str.	37 31	145 14	29.74	SSE	4	c.
Chi Yuen, str.	35 30	122 45	.67	NW	2	o.
Velocity, bk.	34 44	157 11	...	WSW	4	o.
Hiroshima Maru, str.	34 33	138 58	.61	SW	5	o.
Gerda, str.	29 57	125 11	.65	WNW	1	c.
Belgic, str.	28 45	124 10	.68	SW	2	c.
Macduff, str.	27 31	125 57	.68	...	...	od.
Chingping, str.	26 55	121 5	.68	SW	6	o.
Sabine Rickmers, str.	26 53	125 7	.72	SW	4	op.
Hohenzollern, str.	25 44	120 9	.69	SW	3	o.
Verona, str.	24 10	118 41	.73	SW/W	4	c.
Progress, str.	21 58	113 50	...	SW	5	o.
Ask, str.	20 30	111 35	.78	SSE	3	o.
Spinaway, bqt.	19 47	114 12	...	...	2	k.
Mascotte, str.	19 15	111 54	.75	SSE	3	c.
Mongkut, str.	18 56	112 6	.81	SW	4	b.
Brunhilde, str.	18 40	111 49	...	SE	5	o.
I.M.C.C. Likin,	18 12	109 33	.76	SW	1	c.
Orono, str.	17 58	117 3	.87	WNW	2	...
Yuensang, str.	17 34	117 53	.85	WSW	2	c.
Charles E. Moody, str.	17 14	136 40	...	E	2	k.
Manila, str.	17 5	113 27	.78	S	4	k.
Hupeh, str.	15 50	113 24	.78	S	4	c.
Sungkiang, str.	14 21	120 30	.80	var.	1	b.
Pathan, str.	14 4	112 31	...	SSW	3	...
Rosetta, str.	12 52	111 23	.77	S	3	b.
Pectan, str.	12 24	120 52	...	SE/S	4	b.
Wuotan, str.	10 33	107 32	.77	SSE	2	k.
Nanshan, str.	10 12	111 40	...	WSW	2	k.
Devawongse, str.	8 37	105 42	.79	WNW	3	k.
Stanfield, bk.	3 54	111 21	.86	var.	...	k.
Shantung, str.	3 50	104 19	.87	SW	3	k.
Socotra, sh.	2 44	106 36	...	SW	4	orq.
Paramita, sh.	1 27	107 31	...	SE	3	m.
June 21st.						
Tyr, str.	47 41	139 40	...	NE	6	ofr.
Empress of China, str.	40 45	151 37	29.79	SE	5	c.
Velocity, bk.	34 46	158 23	...	NE	1	o.
Ancona, str.	34 34	138 56	.51	SW	4	k.
Afrida, str.	34 1	130 50	·63	N	2	o.
Strathesk, str.	33 57	130 56	.63	var.	...	...
Hiroshima Maru, str.	33 46	135 10	.60	NW	4	c.
Macduff, str.	29 24	130 3	.66	...	0	b.
Sabine Rickmers, str.	28 49	128 50	.68	ENE	1	o.
Lyeemoon, str.	27 37	121 32	.59	SSW	2	o.
Empress of India, str.	27 33	121 29	.61	SW	3	om.
Gerda, str.	27 32	121 42	.57	WSW	4	om.
Verona, str.	27 28	122 48	.60	SW/W	5	or.
Belgic, str.	25 44	120 15	.62	SSW	5	o.
Chingping, str.	25 1	119 41	.66	SSW	5	k.
Chunshan, str.	23 12	116 49	.70	SW	4	c.
Hohenzollern, str.	22 46	116 9	.76	SW	4	o.
Brunhilde, str.	21 16	113 45	...	S	2	opq.
Yuensang, str.	20 45	115 33	.77	SW	3	c.
Amigo, str.	20 33	118 37	.80	SW	4	k.
Orono, str.	20 20	115 8	.77	...	...	...
Progress, str.	19 33	111 32	...	SSW	6	o.
I.M.C.C. Likin,	18 10	110 2	.76	SE	1	c.
Charles E. Moody, sh.	17 30	135 8	...	var.	1	k.
Mongkut, str.	16 3	110 36	.74	S	5	b.
June 21st.						
Sungkiang, str.	14°20′	120°29′	29.84	N	2	b.
Manila, str.	12 57	111 24	.77	SSW	4	orq.
Hupeh, str.	12 23	111 37	.81	SSW	5	c.
Jacob Christensen, str.	12 17	109 20	.76	S	3	k.
Nanshan, str.	12 12	114 51	...	S	4	k.
Devawongse, str.	11 22	109 3	.76	SW	5	k.
Pathan, str.	11 4	110 26	...	SW	2	k.
Pectan, str.	10 43	122 36	.81	W	5	c.
Rosetta, str.	8 38	109 0	.83	SW	5	b.
Shantung, str.	7 35	102 48	.84	W	4	o.
Socotra, sh.	3 51	106 46	...	SSW	3	c.
Stanfield, bk.	3 32	111 33	.91	SSW	1	...
Paramita, sh.	2 41	107 51	...	SSW	4	k.
Chacma, bk.	0 45	105 58	.90	SSW	2	k.
Changsha, str.	0 25	125 53	.90	SSE	2	k.
June 22nd.						
Empress of China, str.	43 19	158 38	29.71	...	0	f.
Velocity, bk.	34 54	160 31	...	SSE	6	o.
Ancona, str.	34 14	135 0	.67	WNW	3	om.
Afrida, str.	32 10	127 18	.56	ENE	4	or.
Macduff, str.	31 42	133 44	.60	N	1	o.
Chi Yuen, str.	31 15	121 30	.67	NE	2	o.
Sabine Rickmers, str.	30 54	132 17	.68	E	4	or.
Verona, str.	30 31	126 43	.48	ESE	5	ogr.
Gerda, str.	25 49	120 14	.56	SSW	7	cm.
Lyeemoon, str.	25 13	119 52	.60	SSW	5	c.
Chingping, str.	23 35	117 46	.63	SSW	4	k.
Belgic, str.	23 0	116 55	.62	SW	4	c.
Chunshan, str.	20 18	115 40	.69	SW	5	k.
I.M.C.C. Likin,	18 52	111 1	.68	SSW	3	c.
Charles E. Moody, sh.	17 24	133 7	...	S	2	orq.
Progress, str.	17 21	109 32	...	SSW	6	o.
Amigo, str.	17 15	119 34	.82	S	5	k.
Jacob Christensen, str.	15 39	110 31	.74	SW	5	k.
Devawongse, str.	14 32	111 58	.74	SW	5	k.
Sungkiang, str.	14 20	120 29	.82	ENE	2	b.
Nanshan, str.	13 32	118 28	...	SW	2	k.
Mongkut, str.	12 55	109 41	.77	S	4	b.
Hupeh, str.	9 38	110 10	.82	SW	6	c.
Manila, str.	9 13	109 16	.83	WSW	5	orq.
Pathan, str.	7 59	108 51	.88	SW	6	orq.
Socotra, sh.	6 4	106 34	...	S	5	orq.
Paramita, sh.	4 44	109 0	...	S	2	b.
Rosetta, str.	4 30	106 14	.90	SW	4	p.
Changsha, str.	4 10	124 5	.89	WNW	4	oq.
Stanfield, bk.	3 30	110 46	.91	S	4	o.
Chacma, bk.	2 8	105 8	.92	SE/S	2	k.
Sutlej, sh.	0 15	105 56	.90	SSE	2	k.
June 23rd.						
Empress of China, str.	45 51	165 59	29.67	...	0	m.
H.M.S. Narcissus,	37 37	121 50	.66	E	2	c.
Braemar, str.	35 50	142 40	.78	ENE	4	o.
Velocity, bk.	35 1	164 45	...	S	6	o.
Ancona, str.	34 40	135 11	.71	NE	3	o.
Macduff, str.	34 0	137 30	.74	E	6	or.
Sabine Rickmers, str.	33 19	135 35	.73	NE	6-7	or.
Chi Yuen, str.	31 15	121 30	.76	NE	2	o.
Afrida, str.	30 2	124 9	.72	var.	2	c.
Gerda, str.	23 36	117 32	.69	SSW	4	or.
Lyeemoon, str.	23 ...	116 55	.72	...	0	og.
Chingping, str.	22 27	115 21	.74	var.	1	olr.
I.M.C.C. Likin,	19 20	110 49	.72	S	2	c.
Jacob Christensen, str.	18 48	112 1	.74	S	4	k.
Devawongse, str.	17 49	114 24	.79	SW	5	k.
Chunshan, str.	17 36	114 12	.76	SW	5	k.
Charles E. Moody, sh.	17 8	130 38	...	S	2	k.
Sungkiang, str.	14 20	120 29	.88	N	2	c.
Mongkut, str.	10 15	108 0	.88	SW	4	cq.
Wongkoi, str.	10 4	102 39	.85	WSW	4	...
Socotra, sh.	7 55	108 5	...	SSW	4	o.
Changsha, str.	6 51	122 6	.90	W	4	or.
Hupeh, str.	6 38	107 54	.90	SW/S	5	c.
Paramita, sh.	5 53	109 29	...	SSW	3	k.
Pathan, str.	5 1	106 39	.92	SSW	4	...
Pekin, str.	4 36	105 48	.88	SE	4	k.
Chacma, bk.	4 1	105 9	.92	SE	2	k.
Stanfield, bk.	3 30	110 58	...	SSW	1	...
Sutlej, sh.	2 15	105 20	...	SSE	2	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
June 24th.						
Empress of China, str.	47° 48′	173° 49′	29.49	S	3	b.
Braemar, str.	37 40	147 10	.81	NE	4	k.
H.M.S. Narcissus,	35 31	124 5	.84	S	1	c.
Velocity, bk.	35 9	169 6	...	S	9	orq.
Sabine Rickmers, str.	34 53	139 19	.82	NE	4	f.
Aden, str.	34 14	134 59	.79	...	0	o.
Hiroshima Maru, str.	33 52	133 46	.81	var.	2	c.
Ancona, str.	33 49	131 25	.84	W	2	o.
Verona, str.	33 47	131 46	.85	W	2	c.
Strathesk, str.	33 0	128 48	.90	var.	1	o.
Afrida, str.	27 27	121 31	.80	SW	2	op.
Nanyang, str.	27 22	121 29	.80	W	1	o.
Picciola, str.	23 11	117 15	.77	SE	2	k.
Nanchang, str.	22 54	117 0	.81	S/E	5-6	o.
Keong Wai, str.	22 17	114 41	.78	SW	4	p.
Ask, str.	21 57	113 50	.78	SSW	2	c.
Devawongse, str.	21 41	116 0	.80	S/E	3	k.
I.M.C.C. Likin,	19 10	110 56	.76	SSE	1	c.
Charles E. Moody, sh.	17 7	127 27	...	SE	2	k.
Chunshan, str.	14 47	112 30	.78	SSW	5	k.
Sungkiang, str.	14 20	120 29	.87	S	3	c.
Changsha, str.	10 34	121 24	.84	N	5	orq.
Socotra, sh.	9 53	109 53	...	SW	5	or.
Wongkoi, str.	8 44	106 18	.86	S	3	k.
Pekin, str.	8 35	109 12	.91	SW	3	o.
China, str.	8 30	105 43	.83	SE/S	2	o.
Mongkut, str.	8 28	105 10	.85	SW	2	cp.
Paramita, sh.	8 10	109 54	...	SW	2	...
Chaema, bk.	5 25	106 21	.92	NW	1	o.
Phra Nang, str.	4 53	105 42	.94	S	3	k.
Sutlej, str.	4 24	106 7	...	S	2	k.
Catherine Apcar, str.	4 0	105 49	.89	E	4	...
Hupeh, str.	3 38	105 43	.89	S/E	5	c.
Victoria, str.	3 31	105 26	...	SE	3	...
Stanfield, bk.	3 12	111 16	...	var.	1	...
Manila, str.	1 27	104 23	.85	SE	3	k.
June 25th.						
Braemar, str.	40 2	151 48	29.66	SSE	5	k.
Velocity, bk.	35 11	171 8	...	N	4	cp.
Verona, str.	34 40	135 11	.80	...	0	c.
H.M.S. Narcissus,	34 0	127 19	.79	W/S	1	c.
Victoria, str.	33 28	128 30	.80	WSW	3	o.
Orestes, str.	31 59	126 4	.82	SE	2	or.
Strathesk, str.	31 0	125 48	.84	SSW	2	or.
Picciola, str.	25 40	120 24	.78	NNE	1	k.
Afrida, str.	24 46	119 8	.79	SSW	4	o.
Nanyang, str.	24 20	118 40	.79	SW	1	cd.
Cassius, str.	22 23	115 6	.80	E	3	or.
Ask, str.	20 23	111 6	.70	S	3	c.
I.M.C.C. Likin,	20 8	110 18	.69	SSW	1	c.
Keong Wai, str.	19 29	112 35	.73	S/E	4	c.
Charles E. Moody, sh.	17 45	124 38	...	SE	2	k.
Progress, str.	16 2	108 23	...	SW	2	o.
Changsha, str.	14 35	119 28	.79	E	4	k.
Sungkiang, str.	14 20	120 29	.78	S	3	p.
Pekin, str.	13 28	111 53	.71	SW	4	k.
Wongkoi, str.	13 3	109 22	.76	...	2	k.
Chunshan, str.	12 47	110 52	.74	SW/S	4	o.
Socotra, sh.	12 17	112 3	...	SSW	8	or.
Decima, str.	12 2	109 23	.76	S	2	k.
China, str.	11 7	108 53	.82	S	3	o.
Paramita, sh.	10 21	110 59	...	SW	6	o.
Catherine, Apcar, str.	7 35	108 21	.88	...	0	...
Victoria, str.	6 46	106 38	...	var.	3	c.
Chaema, bk.	6 42	107 18	.82	SW	5	c.
Sutlej, sh.	6 17	107 33	...	SW	2	k.
Stanfield, bk.	3 11	111 4	...	S	2	...
June 26th.						
Braemar, str.	42 23	156 47	29.50	SSE	5	or.
Bygdo, str.	37 48	121 20	...	SSE	1	k.
Velocity, bk.	34 46	173 41	...	var.	4	od.
Verona, str.	34 40	135 11	.85	...	0	c.
H.M.S. Narcissus,	34 0	127 19	.84	SW	1	op.
Ancona, str.	30 29	126 43	.84	SW	2	c.
Strathesk, str.	29 10	122 57	.81	SSW	4	o.
Picciola, str.	29 0	122 25	.75	SE	3	k.
Cassius, str.	24 9	118 45	.79	SE	4	c.
Afrida, str.	22 50	116 24	.76	SW	2	k.
June 26th.						
Nanyang, str.	22° 24′	114° 52′	29.75	SE	3	c.
Apenrade, str.	20 11	112 44	...	S	4	or.
I.M.C.C. Likin,	20 4	110 20	.67	SE	3	o.
Ask, str.	20 4	110 20	.67	SSE	3	o.
Charles E. Moody, sh.	19 38	121 40	...	S	2	k.
Changsha, str.	18 29	117 9	.79	S	4	c.
Pekin, str.	18 7	113 31	.69	E	2	k.
Keong Wai, str.	16 18	110 38	.68	SSE	2	c.
Wongkoi, str.	16 12	110 35	.73	var.	1	o.
Decima, str.	15 38	110 20	.73	W	2	k.
China, str.	14 45	110 7	.71	W	1	k.
Sungkiang, str.	14 20	120 29	.80	S	2	b.
Socotra, sh.	13 36	113 23	...	N	3	q.
Paramita, sh.	11 45	112 40	...	W	4	m.
Catherine Apcar, str.	11 13	110 51	.76	W/N	4	k.
Chunshan, str.	10 26	109 52	.72	WSW	6	...
Victoria, str.	10 13	107 50	...	SW	3	c.
Sutlej, str.	8 22	109 36	...	W	8	orq.
Chaema, bk.	8 19	108 4	.82	W	5	or.
Preussen, str.	2 52	105 21	.83	SSE	4	c.
Stanfield, bk.	2 51	111 2	...	...	1	...
June 27th.						
Braemar, str.	44 39	161 56	29.61	SSE	6	...
Bygdo, str.	37 23	122 50	...	SE	1	k.
H.M.S. Narcissus,	34 40	127 19	.82	W/S	3	omq.
Verona, str.	34 38	139 3	.90	NNW	2	c.
Aden, str.	34 23	133 50	.85	SW	2	o.
Picciola, str.	32 32	123 39	.77	WNW	...	o.
Ancona, str.	27 25	122 48	.91	SSW	4	k.
Strathesk, str.	26 53	121 ...	.90	SSW	2	k.
Cassius, str.	26 17	122 26	.91	SE	4	c.
Tailee, str.	22 21	115 8	.82	ESE	4	o.
Ask, str.	21 28	109 6	.72	SSE	2	op.
I.M.C.C. Likin,	20 0	109 17	.72	SE	1	c.
Wongkoi, str.	19 59	112 25	.76	E	4	og.
Yuensang, str.	19 39	116 37	.81	SE	6	c.
Decima, str.	19 3	111 46	.76	ENE	4	c.
Charles E. Moody, sh.	18 56	119 51	...	var.	1	opq.
China, str.	18 28	111 22	.73	W/N	2	o.
Apenrade, str.	16 58	110 42	...	...	0	k.
Lothair, bk.	16 47	178 30	...	ENE	5	orq.
Socotra, sh.	16 7	115 2	...	SSW	5	orq.
Catherine Apcar, str.	15 10	112 39	.77	SW/W	4	oq.
Sungkiang, str.	14 20	120 29	.84	SW	2	c.
Paramita, sh.	14 16	112 45	...	S	4	ogr.
Victoria, str.	13 17	109 38	...	W	2	o.
Keong Wai, str.	12 45	109 30	.73	SW	4	c.
Sutlej, sh.	11 50	111 8	...	WSW	4	k.
Chaema, bk.	10 29	110 34	.77	WSW	5	o.
Chunshan, str.	8 4	108 19	.82	NW	6	orq.
Memnon, str.	7 32	118 47	.80	SSW	1	c.
Preussen, str.	7 3	108 27	.86	SW	5	c.
Manila, str.	2 17	101 52	.84	SSW	3	k.
June 28th.						
Braemar, str.	46 20	167 40	29.65	ESE	2	f.
Picciola, str.	36 12	122 53	.68	var.	...	om.
Velocity, bk.	34 37	177 42	...	SE	7	o.
Bygdo, str.	34 4	122 50	...	SW	2	cr.
H.M.S. Narcissus,	34 0	127 19	.78	SSW	2	c.
Orestes, str.	33 43	132 1	.91	ESE	1	o.
Aden, str.	33 38	129 44	.88	WSW	4	cp.
Hiroshima Maru, str.	32 48	128 7	.91	SW	4	o.
Sikh, str.	32 8	127 2	.91	SW	4	...
Victoria, str.	29 43	122 32	.80	SSW	4	k.
Cassius, str.	28 22	126 4	.98	SE	4	c.
Strathesk, str.	24 37	119 8	.88	...	0	k.
Ancona, str.	24 35	118 55?	.92	SSW	1	k.
Tailee, str.	24 29	118 56	.90	SE	3	o.
Pekin, str.	22 16	114 30	.88	SE/S	5	o.
Decima, str.	21 51	113 43	.83	SE	6	orq.
Argyll, str.	21 45	113 45	.83	S	5	cp.
China, str.	21 34	113 23	.81	SE/S	7	o.
Hongkong, str.	21 25	114 48	.84	SE	4	q.
Ask, str.	20 42	106 49	.74	SE	3	c.
Charles E. Moody, sh.	19 58	119 58	...	var.	...	olrq.
I.M.C.C. Likin,	19 48	108 58	.72	W	1	c.
Socotra, sh.	19 1	114 15	...	S/E	4	p.
Catharine Apcar, str.	18 41	113 42	.80	SSE	4	...

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
June 28th.						
Victoria, str.	16° 45′	110° 33′	...	SE	3	o.
Yuensang, str.	16 43	119 31	29.85	SSE	5	c.
Paramita, sh.	16 22	113 48	...	S	4	cp.
Lothair, bk.	16 4	175 22	...	E	5	orq.
Sungkiang, str.	14 20	120 29	.90	S	2	c.
Progress, str.	13 49	109 13	...	SE	2	k.
Apenrade, str.	13 34	109 54	...	SW	5	o.
Sutlej, sh.	13 13	112 46	...	SSW	2	orq.
Chacma, bk.	11 46	112 8	.82	WSW	5	cp.
Preussen, str.	11 36	111 7	.83	SW	4	cp.
Memnon, str.	11 14	119 59	.82	SW	1	op.
Keong Wai, str.	9 46	107 22	.82	WSW	4	c.
Phra Chom Klao, str.	8 28	105 26	...	var.	2	o.
Chunshan, str.	6 33	106 4	.84	SSW	3	k.
June 29th.						
Braemar, str.	47 40	174 20	29.80	...	0	k.
H.M.S. Narcissus	34 0	127 24	.74	S/E	1	of.
Sabine Rickmers, str.	33 28	136 2	.75	SW	6	o.
Aden, str.	31 53	124 40	.73	SW	4	o.
Bygdo, str.	30 53	122 46	...	SSW	2	c.
Cassius, str.	30 34	130 19	.94	SSE	3	b.
Hiroshima Maru, str.	30 9	125 28	.83	SSW	4	cm.
Sikh, str.	29 20	123 58	.86	SW	6	...
Tailee, str.	27 51	122 5	.83	S	4	k.
Pekin, str.	24 53	119 25	.86	S	2	k.
Strathesk, str.	22 59	116 39	.88	SE	2	k.
Ancona, str.	22 21	114 53	.83	S	2	k.
Ask, str.	20 52	106 41	.73	SE	3	o.
Argyll, str.	20 ...	111 ...	.80	SSE	2	b.
I.M.C.C. Likin,	19 30	108 18	.74	SSE	3	c.
Charles E. Moody, sh.	19 15	118 35	...	S	2	k.
Paramita sh.	19 4	113 46	...	S	4	cp.
Kongbeng, str.	18 59	112 26	...	SE	4	p.
Machew, str.	18 40	108 7	.75	S	5	k.
Preussen, str.	16 20	113 30	.83	SSE	4	cp.
Lothair, bk.	16 9	171 38	...	E	5	orq.
Sutlej, sh.	14 59	114 21	...	S	2	k.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
June 29th.						
Memnon, str.	14° 47′	118° 21′	29.76	W	1	c.
Sungkiang, str.	14 20	120 29	.87	var.	1	or.
Chacma, bk.	13 30	112 45	.82	S	3	k.
Phra Chom Klao, str.	11 2	108 47	.81	NW	2	c.
Apenrade, str.	10 37	107 56	...	SW	5	q.
Keong Wai, str.	8 40	104 22	.83	W/N	4	crq.
Chunshan, str.	3 30	104 53	.92	S	5	oq.
June 30th.						
Empress of Japan, str.	50 1	172 41	29.98	E	2	k.
H.M.S. Narcissus,	35 26	130 2	.37	SW/S	3-4	opq.
Sabine Rickmers, str.	34 16	132 57	.60	NW	3	...
Cassius, str.	32 52	134 33	.76	SW	3	b.
Tailee, str.	31 51	123 46	.61	W	6	o.
Pekin, str.	29 43	122 32	.64	S/E	4	k.
Bygdo, str.	29 5	122 39	...	SSW	4	c.
Hiroshima Maru, str.	27 51	122 50	.77	SSW	5	c.
Sikh, str.	26 41	121 15	.80	SSW	4	k.
Sunda, str.	24 8	118 38	.89	SW	1	c.
Victoria, str.	22 25	115 36	.86	WSW	3	k.
Preussen, str.	21 38	113 54	.85	SSE	2	cp.
Paramita, sh.	21 9	113 41	...	var.	1	k.
Ask, str.	20 52	106 41	.75	SE	3	o.
Argyll, str.	20 30	107 30	.81	var.	1	c.
Invertay, str.	20 10	111 21	.81	...	0	cp.
Kutsang, str.	19 47	114 1	.84	S	1	k.
Charles E. Moody, sh.	19 22	117 47	...	var.	1	olpq.
I.M.C.C. Likin,	19 3	108 14	.76	S	2	c.
Memnon, str.	18 16	116 23	.80	var.	1	c.
Sutlej, sh.	16 43	114 4	...	SSE	2	k.
Lothair, bk.	16 35	168 28	...	E	5	p.
Kongbeng, str.	15 57	110 28	...	SSE	4	k.
Machew, str.	15 20	109 23	.75	SSE	5	k.
Chacma, bk.	15 2	113 56	.82	ESE	3	k.
Sungkiang, str.	14 20	120 29	.87	var.	1	p.
Phra Chom Klao, str.	14 4	110 17	.77	SSE	3	c.
Keong Wai, str.	11 0	101 56	.79	WNW	3	orq.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
July 1st.						
Empress of Japan, str.	48° 38′	164° 8′	29.76	E	5	om.
Wosang, str.	37 57	121 20	.58	NW	2	b.
H.M.S. Narcissus,	37 6	131 39	.45	NNW	2	cm.
Tailee, str.	36 2	122 55	.59	N	2	o.
Cassius, str.	34 21	139 0	.51	WSW	6	o.
Sunda, str.	28 12	121 48	.72	SSW	4	bm.
Bygdo, str.	27 16	121 20	...	SSW	3	c.
Hiroshima Maru, str.	25 31	120 8	.78	SW	5	c.
Sikh, str.	24 4	118 30	.77	SW	4	k.
Memnon, str.	21 57	114 28	.77	...	0	c.
Ask, str.	21 21	108 51	.78	SE	3	o.
Argyll, str.	20 59	107 0	.85	S	3	b.
Invertay, str.	20 40	107 10	.71	...	...	...
Charles E. Moody, sh.	19 9	116 49	...	WNW	2	oq.
Sutlej, sh.	18 57	113 57	...	SSE	2	k.
Phra Chom Klao, str.	18 52	111 26	.77	ESE	3	b.
I.M.C.C. Likin,	18 8	109 24	.75	SE	2	c.
Lothair, bk.	16 46	165 42	...	E	...	...
Chacma, bk.	16 44	114 36	.82	SSE	2	o.
Kutsang, str.	16 11	113 25	.76	SSW	5	...
Sungkiang, str.	14 35	120 57	.87	SW	2	p.
Kongbeng, str.	12 19	109 20	...	SSW	3	k.
Chunshan, str.	2 34	104 15	.84	S	3	k.
Hupeh, str.	0 47	104 21	.83	SE	4	c.
July 2nd.						
Empress of Japan, str.	46 8	156 24	29.64	NE	5	o.
Tailee, str.	39 45	121 17	.56	...	0	k.
H.M.S. Narcissus,	39 12	127 34	.72	NE	2	c.
Wosang, str.	36 27	122 42	.57	NE	1	b.
Sabine Rickmers, str.	33 51	127 12	.54	ENE	6	...
Chi Yuen, str.	31 15	121 30	.59	NE	2	ogp.
Meefoo, str.	30 45	122 19	.59	S	1	p.
Coptic, str.	30 24	178 29	30.10	WSW	3	c.
Bygdo, str.	25 24	120 1	...	SSW	3	c.
Hohenzollern, str.	23 46	118 2	29.76	S	2	o.
Lyeemoon, str.	23 27	117 40	.79	SSE	2	c.
Glenearn, str.	23 8	117 13	.79	SW	1	cp.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
July 2nd.						
Hiroshima Maru, str.	23° 5′	117° 6′	29.79	SW	3	c.
Sikh, str.	22 14	115 7	...	SSW	...	...
Phra Chom Klao, str.	22 13	114 5	.77	ESE	3	c.
Sutlej, sh.	21 9	114 15	...	S/E	2	k.
Argyll, str.	20 59	107 0	.86	S	2	b.
Charles E. Moody, sh.	20 38	114 58	...	SSE	...	...
Decima, str.	20 13	112 33	.71	SE	5	k.
Ask, str.	20 4	110 20	.70	NE	3	o.
Jacob Christensen, str.	19 5	112 17	.69	SE	7	c.
Chacma, bk.	18 29	114 22	.80	S/E	4	k.
I.M.C.C. Likin,	18 12	109 33	.67	W	1	or.
Lothair, bk.	16 28	163 8	.93	E	2	k.
Sungkiang, str.	14 35	120 57	.87	var.	1	c.
Kutsang, str.	13 12	111 48	.79	SW/W	5	...
Machew, str.	12 14	109 15	.78	SW	6	og.
Wuotan, str.	10 20	107 40	.85	NW	1	k.
Kongbeng, str.	8 59	107 42	.86	SW	2	olrt.
Chunshan, str.	6 26	103 10	.86	S	2	k.
Shelley, str.	1 18	104 8	.82	ESE	4	cp.
July 3rd.						
Empress of Japan, str.	42 38	149 9	29.85	NNE	4	o.
H.M.S. Narcissus,	39 21	130 25	.89	WSW	2	c.
Sabine Rickmers, str.	35 40	123 52	.76	WSW	2	c.
Wosang, str.	32 28	122 27	.77	E	3	c.
Coptic, str.	32 6	172 14	.99	S	4	c.
Chi Yuen, str.	31 15	121 30	.76	ESE	1	o.
Meefoo, str.	27 33	121 29	.80	WSW	4	cl.
Empress of India, str.	27 15	121 10	.81	SW	4	k.
Lyeemoon, str.	27 14	121 7	.81	SSW	3	cm.
Hohenzollern, str.	26 47	123 12	.86	SW	6	o.
Glenearn, str.	25 37	120 22	.86	SW	1	c.
Bygdo, str.	23 30	117 35	...	SSW	1	c.
Chingping, str.	22 29	115 13	.78	S	4	p.
Argyll, str.	20 59	107 0	.86	S	2	b.
Ask, str.	20 42	111 37	.68	SW	6	or.
Chacma, bk.	20 40	113 45	.77	SW	5	or.
Mathilde, str.	20 37	111 32	.70	NE	3	or.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
July 3rd.						
Progress, str.	18° 17′	110° 20′	...	W	5	o.
I.M.C.C. Likin,	18 12	109 33	29.75	W	1	o.
Decima, str.	17 44	111 5	.74	SSW	5	c.
Jacob Christensen, str.	17 18	110 59	...	SSW	5	c.
Lothair, bk.	16 23	160 41	...	ENE	2	k.
Sungkiang, str.	14 35	120 57	.84	var.	1	c.
Wuotan, str.	12 51	109 41	.82	N	1	k.
Kutsang, str.	10 8	110 15	.87	SW	3	...
Chunshan, str.	9 30	101 44	.84	WSW	3	c.
Machew, str.	9 4	108 2	.89	var.	4	k.
Kongbeng, str.	5 32	106 26	.84	SSW	3	k.
Shelley, str.	4 20	106 3	.84	SSE	3	k.
Bellona, str.	1 17	104 9	...	S	1	k.
July 4th.						
H.M.S. Narcissus,	39 46	134 11	29.91	N	1	c.
Empress of Japan, str.	38 55	142 57	.93	E	2	k.
Sabine Rickmers, str.	38 38	121 9	.74	SW	3	m.
Coptic, str.	33 0	166 6	.75	W	4	c.
Chi Yuen, str.	31 15	121 30	.75	SW	1	o.
Empress of India, str.	31 1	122 16	.80	SSW	2	k.
Lyeemoon, str.	31 ...	122 11	.79	S	2	om.
Aden, str.	30 35	122 24	.79	SSE	3	o.
Hohenzollern, str.	29 28	128 29	.91	N	3	o.
Wosang, str.	29 16	122 34	.77	SSW	4	ogm.
Glenearn, str.	28 3	123 34	.90	SSW	2	c.
Meefoo, str.	24 46	119 13	.88	S	2	b.
Chingping, str.	24 22	118 51	.86	SSE	3	k.
Ancona, str.	24 8	119 0	.87	SSE	3	b.
Progress, str.	21 7	113 1	...	SE	5	o.
Argyll, str.	20 59	107 0	.82	S	2	b.
I.M.C.C. Likin,	18 7	109 4	.79	SE	2	c.
Wuotan, str.	16 30	111 1	.81	S	1	k.
Lothair, bk.	16 29	158 2	...	ENE	2	k.
Sungkiang, str.	14 35	120 57	.85	var.	1	c.
Decima, str.	14 35	110 0	.78	SSW	2	k.
Jacob Christensen, str.	14 13	109 54	.73	S	4	k.
Shelley, str.	7 11	108 8	.83	S	2	k.
Kutsang, str.	6 55	108 7	.87	SW	2	...
Machew, str.	6 34	106 48	.87	SSW	3	cpq.
Bellona, str.	4 45	106 17	.85	S	2	c.
Diomed, str.	4 4	105 47	.88	SE	2	k.
Chingtu, str.	3 37	124 30	.79	SW	4	olpq.
Kongbeng, str.	2 11	104 32	.88	SSE	3	k.
Borneo, str.	1 49	104 39	.85	SE/E	2	k.
July 5th.						
Wm. J. Rotch, sh.	50 29	140 55	29.82	SSW	4	f.
H.M.S. Narcissus,	40 21	138 11	.93	NW/N	2	of.
Express of Japan, str.	35 0	139 43	.94	N	3	o.
Verona, str.	34 33	138 32	.92	ENE	4	c.
Orestes, str.	34 23	135 3	...	SW	1	k.
Coptic, str.	33 39	159 48	.89	W	2	c.
Hohenzollern, str.	32 32	134 16	.92	SE	2	o.
Empress of India, str.	31 20	123 42	.70	SSW	4	k.
Chi Yuen, str.	30 48	122 10	.70	S	4	k.
Glenearn, str.	30 33	126 54	.88	SSW	5	c.
Ancona, str.	27 27	123 13	.86	SSW	4	b.
Ching Ping, str.	27 27	121 27	.82	SSW	4	k.
Wosang, str.	26 27	120 35	.81	S	3	b.
Aden, str.	26 22	120 40	.86	SSW	3	k.
Nanyang, str.	23 24	117 33	.86	SSE	1	c.
Argyll, str.	20 59	107 0	.85	S	3	c.
Hiroshima Maru, str.	19 55	112 25	...	S	4	c.
Wuotan, str.	19 40	112 39	.85	SE	2	k.
I.M.C.C. Likin,	18 13	109 24	.80	SE	1	c.
Lothair, bk.	16 36	155 41	...	ENE	2	k.
Esmeralda, str.	16 12	118 55	.75	NNW	2	k.
Sungkiang, str.	14 35	120 57	.79	var.	1	c.
Decima, str.	11 11	108 54	.78	SW	1	k.
Gloucester City, str.	10 27	102 34	...	SW	2	k.
Shelley, str.	9 56	110 20	.80	W	3	k.
Bellona, str.	8 11	108 52	...	SW	2	q.
Diomed, str.	7 58	108 30	.86	WSW	3	o.
Chingtu, str.	6 43	122 17	.85	NW	4	c.
Borneo, str.	5 55	107 5	.82	N	1	k.
Machew, str.	3 45	105 12	.87	SSW	3	k.
Kutsang, str.	3 40	105 54	.88	S/W	3	k.
July 6th.						
Wm. J. Rotch, sh.	50 10	141 1	29.81	S	2	f.
H.M.S. Narcissus,	41° 15′	140° 45′	29.79	SE/E	1	c.
Empress of Japan, str.	35 24	139 41	.84	SE	2	or.
Orestes, str.	34 41	139 20	.82	SE	3	or.
Verona, str.	34 40	135 11	.68	SW	4	or.
Coptic, str.	34 14	154 23	.85	NW	4	o.
Australian, str.	34 2	130 30	.64	SW	5	cmr.
Cassius, str.	34 2	137 3	.82	E	4	or.
Glenearn, str.	33 3	129 22	.74	SW	6	o.
Chingping, str.	30 48	122 56	.72	SSW	4	o.
Ancona, str.	30 40	127 29	.78	SSW	4	c.
Chi Yuen, str.	28 6	121 31	.74	SSW	4	k.
Nanyang, str.	26 39	120 57	.77	S	4	c.
Hinsang, str.	26 31	120 43	.74	SSW	2	c.
Wosang, str.	23 44	118 3	.77	W	4	b.
Aden, str.	23 9	117 16	.82	WSW	1	k.
Argyll, str.	20 59	107 0	.80	NW	3	c.
Esmeralda, str.	19 6	116 40	.71	NE	5	k.
I.M.C.C. Likin,	17 58	109 25	.75	SE/E	2	c.
Lothair, bk.	16 52	152 53	...	ENE	2	k.
Hiroshima Maru, str.	16 31	110 33	...	S	2	c.
Sungkiang, str.	14 35	120 57	.74	S	2	c.
Shelley, str.	13 4	112 27	.77	S	2	k.
Diomed, str.	12 37	110 18	.78	var.	4	k.
Bellona, str.	12 8	111 9	...	SW	4	c.
Chingtu, str.	10 20	121 51	.75	SW	4	cp.
Borneo, str.	9 54	109 59	.77	W	2	k.
Gloucester City, str.	8 30	105 26	...	SW	2	k.
Ravenna, str.	4 55	106 11	.75	SSE	5	k.
July 7th.						
Wm. J. Rotch, sh.	50 11	141 21	29.79	...	0	f.
H.M.S. Narcissus,	41 15	140 45	.58	ESE	4	cm.
Coptic, str.	34 48	147 47	.70	S	5	or.
Verona, str.	34 40	135 11	.67	...	0	o.
Chingping, str.	34 24	122 56	.68	var.	1	or.
Empress of India, str.	33 55	132 37	.69	SW	3	k.
Australian, str.	31 55	126 29	...	SW	6	c.
Nanyang, str.	30 44	122 20	.69	SSW	4	c.
Hinsang, str.	29 51	123 37	.75	SSW	3	cm.
Chi Yuen, str.	24 52	118 58	.71	SSW	1	k.
Wosang str.	22 20	114 48	.70	NE	1	c.
Ask, str.	21 15	112 53	.71	N	2	k.
Argyll, str.	20 59	107 0	.75	NNW	1	c.
Invertay, str.	20 9	110 9	.70	...	0	k.
Catherine Apcar, str.	18 39	114 23	.72	NW	4	k.
I.M.C.C. Likin,	18 14	110 20	.71	SW	1	c.
Diomed, str.	17 19	111 10	.72	SW	2	k.
Lothair, bk.	17 4	150 11	...	ENE	2	k.
Sungkiang, str.	16 27	119 6	.72	SW	4	q.
Shelley, str.	16 6	113 43	.71	WNW	2	od.
Bellona, str.	15 49	113 6	...	SW	4	o.
Borneo, str.	14 11	112 38	.72	SW	3	o.
Chingtu, str.	13 52	119 55	.76	SSW	5	orq.
Nanshan, str.	12 49	120 43	...	S	4	q.
Hiroshima Maru, str.	12 34	110 34	...	SW	5	c.
Gloucester City, str.	10 56	108 46	...	SW	4	k.
Ravenna, str.	9 4	109 12	.75	SW	4	k.
Sonora, bk.	3 3	110 7	...	S	2	k.
July 8th.						
Wm. J. Rotch, sh.	49 56	141 20	29.75	W	1	o.
H.M.S. Narcissus,	41 15	140 45	.50	SE	1	cmp.
Coptic, str.	34 58	141 53	.63	W/S	5	o.
Ancona, str.	33 50	132 15	.74	NW	2	ofgd.
Empress of Japan, str.	33 48	132 28	.76	W	4	c.
Verona, str.	33 46	132 23	.73	SW	4	cp.
Hinsang, str.	32 28	126 56	...	NE	3	c.
Mazagon, str.	30 1	125 29	.74	S	2	o.
Australian, str.	28 43	123 0	.67	SW	6	cm.
Chi Yuen, str.	22 56	116 28	.72	S	2	o.
Argyll, str.	20 59	107 0	.67	S	2	c.
Diomed, str.	20 14	113 23	.50	SW/S	8	or.
Ask, str.	20 4	110 20	.67	WNW	3	od.
China, str.	20 0	112 35	.61	WSW	9	oq.
Sungkiang, str.	19 13	116 37	.73	SSW	4	orq.
Bellona, str.	19 10	113 36	...	SW	7	or.
Shelley, str.	18 58	114 15	.63	SW	7	orq.
Phra Chom Klao, str.	18 55	111 37	.69	SSW	6	o.
Borneo, str.	18 17	113 36	.64	S	4	or.
I.M.C.C. Likin,	18 12	109 33	.70	W	1	c.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
July 8th.						
Lothair, bk.	17° 18′	147° 10′	...	ENE	2	p.
Chingtu, str.	16 26	117 51	29 82	SW	5	orq.
Catherine Apcar, str.	15 46	113 23	.75	SW	6	...
Gloucester City, str.	14 36	109 53	...	SW	4	...
Amigo, str.	13 40	120 10	...	S	3	2.
Ravenna, str.	13 31	111 58	.73	SSW	4	k.
Hiroshima Maru, str.	9 18	109 35	...	SW	5	c.
Kongbeng, str.	4 34	104 0	.86	SSE	3	k.
Sonora, bk.	3 3	109 16	...	SW	5	c.
Machew, str.	1 49	104 26	.91	SSW	4	orq.
L. Schepp, sh.	1 24	106 50	...	S	5	o.
July 9th.						
Wm. J. Rotch, sh.	49 30	141 18	29.75	WSW	2	k.
H.M.S. Narcissus,	41 15	140 45	.53	ESE	2	or.
Tailee, str.	37 10	122 42	.64	var.	2	k.
Sunda, str.	31 15	121 50	.75	SE	3	o.
Mazagon, str.	27 24	122 45	.77	SW/W	5	k.
Australian, str.	25 26	120 2	.74	SW	5	cp.
Devawongse, str.	22 25	115 5	.68	S	6	o.
Shelley, str.	22 2	114 45	.72	SSW	4	op.
Ask, str.	21 29	109 6	.58	W	4	op.
Argyll, str.	20 15	109 30	.67	SW	5	o.
Memnon, str.	20 3	115 28	.76	S	3	op.
Chingtu, str.	19 5	115 40	.74	SSW	4	c.
I.M.C.C. Likin,	18 12	109 33	.71	W	3	c.
Gloucester City, str.	18 10	111 30	...	SW	6	og.
Ravenna, str.	18 5	113 33	.69	SSW	6	o.
Lothair, bk.	17 24	144 32	...	E	2	p.
China, str.	16 59	110 45	.71	SSW	7	o.
Phra Chom Klao, str.	15 44	109 52	.77	SSW	5	c.
Catherine Apcar, str.	13 28	112 15	.84	SSW	6	k.
Apenrade, str.	11 30	110 2	.80	W	4	o.
Amigo, str.	10 35	121 48	...	SW	2	k.
Kongbeng, str.	8 49	103 7	...	W	3	o.
Sonora, bk.	6 42	108 8	...	S	5	orq.
Hiroshima Maru, str.	6 15	107 30	...	SSW	5	o.
Machew, str.	5 46	103 32	.89	S	4	o.
L. Schepp, sh.	4 17	107 8	...	S/E	4	o.
July 10th.						
Wm. J. Rotch, sh.	48 30	141 15	29.78	SSE	5	o.
Tyr, str.	47 46	140 44	...	S	5	o.
H.M.S. Narcissus,	41 15	140 45	.58	NNW	1	omr.
Sabine Rickmers, str.	37 50	122 19	.69	NE	3	b.
Picciola, str.	36 7	122 55	.73	W	3	k.
Oceana, str.	34 39	139 1	...	E	6	...
Ancona, str.	34 26	138 37	.65	NW	3	c.
Tailee, str.	33 1	123 0	.79	var.	3	o.
Macduff, str.	33 0	128 3	.76	WNW	2	b.
Sunda, str.	32 4	127 1	.84	NE	2	c.
Empress of Japan, str.	31 31	124 32	.82	W	1	k.
Verona, str.	30 17	126 38	.81	...	0	c.
Lyeemoon, str.	27 18	121 5	.83	NE	2	o.
Australian, str.	22 43	116 23	.72	SW	2	p.
Ask, str.	21 29	109 6	.67	SSW	3	op.
Gloucester City, str.	20 31	113 37	...	SW	5	k.
Argyll, str.	20 15	111 ...	.73	SSE	3	b.
I.M.C.C. Likin,	18 12	109 33	.74	W	1	c.
Lothair, bk.	17 35	142 5	...	E	2	p.
Memnon, str.	16 49	116 24	.88	SSW	4	c.
China, str.	13 57	109 47	.75	S/W	2	o.
Phra Chom Klao, str.	12 27	109 29	...	S	2	c.
Apenrade, str.	12 24	113 49	.80	SW	2	k.
Catherine Apcar, str.	10 54	110 34	.83	SSW	4	k.
Sonora, bk.	8 35	109 0	...	SSW	5	oq.
L. Schepp, sh.	6 55	108 49	...	SW	4	o.
Hiroshima Maru, str.	3 9	105 18	...	S	3	c.
July 11th.						
Wm. J. Rotch, sh.	48 0	140 33	29.80	SW	5	o.
Tyr, str.	43 59	137 55	...	S	2	o.
H.M.S. Narcissus,	41 15	140 45	.87	SW	2	c.
Empress of India, str.	37 22	144 55	.86	NE	2	o.
Sabine Rickmers, str.	34 22	122 50	.79	SE	1	v.
Glenearn, str.	33 12	129 18	.91	N	3	b.
Coptic, str.	33 4	135 24	.80	S	3	c.
Picciola, str.	32 42	123 11	.81	S/W	2	o.
Empress of Japan, str.	31 20	121 40	.84	ESE	4	k.
Macduff, str.	30 30	124 54	.82	NE	3	c.
Tailee, str.	29 9	122 34	.86	S	1	o.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
July 11th.						
Verona, str.	27° 11′	122° 19′	29.81	E	2	c.
Lyeemoon, str.	23 53	118 2	.83	SW/S	2	c.
Bygdo, str.	23 27	117 43	.81	S	1	cp.
Ravenna, str.	22 32	115 32	.79	SSW	4	c.
Progress, str.	21 53	113 45	...	SW	5	o.
Devawongse, str.	21 17	114 55	.77	S	5	k.
Ask, str.	20 4	110 20	.78	S	3	c.
Victoria, str.	19 51	113 54	...	SSW	5	...
I.M.C.C. Likin,	19 31	111 4	.80	SSE	1	c.
Lothair, bk.	17 44	139 57	...	E	...	k.
Memnon, str.	13 15	117 3	.89	SSW	2	c.
Apenrade, str.	13 12	117 20	.81	E	2	k.
Pectan, str.	12 16	120 54	...	NE	4	c.
Sonora, bk.	10 52	110 10	...	W	5	c.
China, str.	10 52	108 21	.79	SW/W	3	k.
Phra Chom Klao, str.	9 43	107 14	...	WSW	4	c.
Catherine Apcar, str.	8 5	108 47	.86	SSW	4	k.
L. Schepp, sh.	7 49	109 40	...	S	2	k.
July 12th.						
Wm. J. Rotch, sh.	47 35	141 1	29.77	SW	7	omd.
H.M.S. Narcissus,	41 15	140 45	.95	NW	1	c.
Empress of India, str.	40 52	151 20	30.00	...	0	o.
Tyr, str.	40 16	135 17	...	SSW	5	k.
Hinsang, str.	33 59	130 4	29.93	N	2	c.
Sunda, str.	33 42	132 6	.90	...	0	b.
Coptic, str.	31 52	129 59	.81	var.	1	c.
Sabine Rickmers, str.	30 56	122 52	.73	ESE	4	o.
Glenearn, str.	30 43	126 48	.87	E	1	c.
Picciola, str.	29 12	122 45	.73	SE/S	2	c.
Macduff, str.	27 52	122 11	.82	SSW	3	o.
Peshawur, str.	27 16	121 20	.79	SSW	2	o.
Diomed, str.	27 13	121 23	.80	SW	4	k.
Bygdo, str.	26 11	120 19	.77	SW	1	k.
Empress of Japan, str.	26 2	120 33	.79	SW	5	k.
Tailee, str.	25 51	120 20	.81	SW	4	k.
Ravenna, str.	25 33	120 6	.80	SSW	4	c.
Borneo, str.	24 24	118 50	.84	SE	2	c.
Verona, str.	24 8	118 35	.84	SW	3	c.
Meefoo, str.	23 19	116 55	.85	...	0	b.
Wuotan, str.	22 26	115 10	.85	S	2	k.
Ocampo, str.	22 22	115 7	.86	SE	3	k.
I.M.C.C. Likin,	21 35	112 39	.87	S	1	c.
Ask, str.	20 36	111 30	.83	S	4	k.
Progress, str.	19 25	111 23	...	SSW	2	o.
Devawongse, str.	18 34	112 2	.81	SSW	4	k.
Lothair, bk.	17 56	137 42	...	E	...	k.
Victoria, str.	17 54	111 36	...	S	3	c.
Apenrade, str.	14 35	120 57	.80	ENE	5	k.
Sonora, bk.	12 29	111 26	...	SSW	2	k.
Memnon, str.	9 32	117 20	.86	SW	2	o.
L. Schepp, sh.	8 54	110 26	...	S	...	orq.
Phra Chom Klao, str.	8 43	104 15	.93	WNW	3	b.
Catherine, Apcar, str.	5 30	107 11	.86	SW	1	k.
Yarra, str.	4 51	105 30	.90	SW	2	c.
July 13th.						
Wm. J. Rotch, sh.	47 44	140 32	29.81	...	0	f.
Empress of India, str.	44 3	158 2	30.05	SSW	1	f.
H.M.S. Narcissus,	41 40	140 56	29.79	SW	1	cm.
Chingping, str.	38 49	118 14	.74	var.	1	or.
Tyr, str.	36 30	132 38	...	SW	2	k.
Hinsang, str.	32 1	126 30	.78	SW	3	oq.
Coptic, str.	31 52	128 35	.69	SE	4	o.
Ravenna, str.	29 54	122 40	.57	S	4	of.
Bygdo, str.	29 28	122 31	.57	SSW	2	k.
Glenearn, str.	28 38	123 55	.68	SW/S	6	b.
Borneo, str.	28 32	122 15	.62	SW	4	c.
Sabine Rickmers, str.	28 1	121 48	.64	SW	7	m.
Picciola, str.	26 42	121 8	.67	SW/S	5	c.
Macduff, str.	25 26	120 0	.72	SW	7	k.
Ocampo, str.	24 17	118 46	.78	SW	3	k.
Peshawur, str.	23 44	118 6	.77	SW	4	k.
Tailee, str.	23 30	117 46	.76	SW	3	k.
Empress of Japan, str.	22 30	115 34	.78	SW	2	k.
Verona, str.	22 16	114 16	.78	SW	2	c.
Lothair, bk.	17 53	135 43	...	NE	2	op.
Victoria, str.	15 32	110 7	...	SSE	3	c.
Devawongse, str.	15 9	110 3	.76	S	2	k.
Sonora, bk.	13 37	110 39	...	SSW	1	c.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
July 13th.						
L. Schepp, sh.	10° 45′	111° 27′	...	SSW	2	o.
Yarra, str.	10 13	106 47	29.82	W	2	c.
Catherine Apcar, str.	3 4	105 19	.87	SE	3	k.
July 14th.						
Wm. J. Rotch, sh.	47 16	140 8	29.78	SSW	5	f.
Empress of India, str.	46 30	165 42	.78	WSW	3	o.
H.M.S. Narcissus,	41 44	144 2	.86	S	2	c.
Chingping, str.	37 38	122 10	.70	NW	3	k.
Bygdo, str.	32 49	122 46	.69	NW	2	k.
Borneo, str.	31 10	121 55	.75	var.	2	c.
Hinsang, str.	29 53	124 0	.74	SW	3	og.
Coptic, str.	28 37	124 18	.73	NW	3	or.
Glenearn, str.	26 47	121 57	.74	SW/W	7	c.
Ocampo, str.	26 20	122 28	.79	SW	5	k.
Sabine Rickmers, str.	26 5	120 23	.72	SW	6	m.
Wuotan, str.	23 34	117 47	.80	SSE	1	k.
Macduff, str.	23 22	117 34	.76	...	0	...
Mathilde str.	20 30	111 18	.78	SE	2	k.
Lothair, bk.	18 0	133 43	...	NNE	2	p.
Sonora, bk.	14 44	112 0	...	ENE	1	o.
Victoria, str.	12 55	109 25	...	var.	4	...
L. Schepp, sh.	11 56	112 0	...	var.	2	or.
Decima, str.	11 36	109 13	.79	SW	1	c.
Devawongse, str.	11 8	108 14	.75	var.	5	k.
Glenfruin, str.	4 2	105 51	.88	S	4	k.
July 15th.						
Empress of India, str.	48 36	173 49	...	var.	1	o.
Wm. J. Rotch, sh.	47 5	139 27	...	NNE	2	orf.
H.M.S. Narcissus,	42 45	144 30	29.76	NE	1	f.
Bygdo, str.	36 40	122 25	.77	E	1	k.
Chingping, str.	34 28	122 33	.82	SSE	2	k.
Sunda, str.	33 43	135 11	.79	S	5	oq.
Orestes, str.	33 29	136 9	.78	SSW	4	o.
Cassius, str.	33 15	128 29	.86	WSW	5	c.
Ocampo, str.	28 14	126 4	.89	var.	2	k.
Hinsang, str.	27 27	121 20	.84	SW	2	cm.
Wuotan, str.	26 21	121 9	.84	S	1	k.
Meefoo, str.	24 52	119 28	.85	S	2	b.
Glenearn, str.	24 50	119 18	.85	S	2	b.
Coptic, str.	24 18	119 33	.81	SW	3	c.
Chi Yuen. str.	23 15	117 18	.88	E	1	k.
Lothair, bk.	18 7	131 14	...	NNE	2	p.
Decima, str.	15 25	110 11	.76	...	0	k.
Sonora, bk.	15 22	110 52	...	SW	1	k.
L. Schepp, sh.	13 48	113 3	...	S	2	o.
Yarra, str.	10 14	107 36	.83	SW	2	o.
Victoria, str.	10 10	108 0	...	WSW	4	...
Devawongse, str.	8 7	107 30	.85	SSW	5	p.
Glenfruin, str.	7 41	108 20	.87	SW	2	c.
Arratoon Apcar, str.	4 6	105 51	.85	var.	...	k.
July 16th.						
Wm. J. Rotch, sh.	44 56	139 7	29.90	NNE	2	k.
Gaelic, str.	31 18	174 52	30.22	NNE	3	c.
Hohenzollern, str.	31 18	127 58	29.92	SE	2	k.
Cassius, str.	31 16	125 19	.92	SE	4	b.
Ocampo, str.	30 30	130 10	.92	NE	1	k.
Wuotan, str.	29 49	123 6	.85	SSW	1	k.
Meefoo, str.	28 23	121 48	.83	SE	2	b.
Chi Yuen, str.	26 9	120 26	.90	S	2	o.
Hinsang, str.	24 48	119 26	.85	S	2	c.
Glenearn, str.	22 53	116 35	.89	...	0	b.
Deuteros, str.	21 50	114 15	.84	SSE	3	k.
Sungkiang, str.	19 7	116 44	.84	SE	3	c.
Decima, str.	18 54	111 38	.81	S	2	k.
Lothair, bk.	18 8	129 0	...	N	...	q.
Sonora, bk.	16 48	113 11	...	S	3	k.
L. Schepp, sh.	15 28	114 30	...	S/W	2	c.
Yarra, str.	14 39	110 26	.78	SW	2	b.
Nanshan, str.	12 5	121 0	...	NNW	3	p.
Glenfruin, str.	11 29	110 43	...	WNW	4	o.
Amigo, str.	10 27	122 8	.83	W	4	k.
Arratoon Apcar, str.	7 38	108 14	.89	SW	...	o.
Victoria, str.	7 36	107 5	...	SW	3	k.
Devawongse, str.	4 41	105 25	.88	S	5	k.
Senta, str.	4 32	106 11	...	S	4	cp.
Menmuir, str.	1 40	125 16	.95	W	2	k.
Congella, str.	1 23	103 11	30.01	SE	4	o.
July 17th.						
Wm. J. Rotch, sh.	44° 4′	139° 38′	29.99	SSW	4	o.
Bygdo, str.	38 36	121 10	.73	ESE	2	k.
Wuotan, str.	33 44	123 20	.77	SSW	1	f.
Ocampo, str.	32 55	133 37	.98	ENE	3	q.
Gaelic, str.	32 33	168 48	30.21	var.	1	c.
Chi Yuen, str.	29 52	122 36	29.87	S	2	k.
Cassius, str.	28 49	122 54	.86	SSW	3	c.
Hohenzollern, str.	28 3	123 36	.82	SE	2	k.
Hinsang, str.	22 47	116 30	.82	SW	2	c.
Decima, str.	21 55	113 49	.83	SSE	1	k.
Ask, str.	21 49	113 39	.84	S	3	o.
Yarra, str.	19 56?	112 42	.83	NNE	2	c.
Deuteros, str.	19 10	112 20	.85	SW	4	...
Sonora, bk.	18 21	113 4	...	WSW	2	k.
Peshawur, str.	17 25	113 24	.88	S/W	3	o.
Lothair, bk.	17 19	127 15	...	N	...	q.
L. Schepp, sh.	17 14	114 49	...	W/S	2	...
Sungkiang, str.	15 53	119 12	.86	SW	3	cp.
Glenfruin, str.	15 10	112 54	.87	SSW	3	og.
Apenrade, str.	13 50	120 32	.80	SW	6	q.
Progress, str.	13 47	109 13	...	SW	4	o.
Amigo, str.	13 1	120 35	.82?	NW	6	or.
Arratoon Apcar, str.	11 22	110 45	.86	W	...	c.
Senta, str.	8 21	108 49	...	W	2	...
Victoria, str.	4 53	105 47	...	S	4	q.
Menmuir, str.	4 53	123 31	.92	NNW	4	k.
Kaiser-i-Hind, str.	4 33	106 3	.90	SSW	3	k.
Congella, str.	1 40	107 5	30.04	SSE	4	k.
Devawongse, str.	1 17	104 2	29.95	S	4	k.
July 18th.						
Wm. J. Rotch, sh.	44 10	137 53	29.76	SSW	5	f.
Wuotan, str.	37 30	122 36	.73	N	2	k.
Gaelic, str.	33 47	162 48	30.12	W	2	c.
Tyr, str.	32 42	127 58	...	S	2	o.
Chi Yuen, str.	31 14	121 29	29.79	SSE	2	og.
Nanyang, str.	27 37	121 38	.71	S	1	c.
Cassius, str.	26 21	121 7	.77	SSW	1	c.
Hohenzollern, str.	24 54	119 24	.70	SW	1	k.
Verona, str.	24 15	118 45	.70	...	0	b.
Haitan, str.	23 20	116 44	...	...	0	k.
Lyeemoon, str.	22 33	115 35	.77	S/W	1	c.
Ingraban, str.	20 21	112 40	.73	SSW	1	k.
Ask, str.	20 4	110 20	.73	WNW	3	c.
Sonora, bk.	19 40	112 52	...	SW	5	k.
Glenfruin, str.	19 18	113 42	.76	W	3	k.
L. Schepp, sh.	18 21	114 58	...	W	2	...
Lothair, bk.	17 5	125 15	.68?	NNW	7	orq.
Deuteros, str	16 18	110 26	.78	S	4	k.
Amigo, str.	15 17	118 57	.70?	W	5	q.
Arratoon Apcar, str.	15 7	112 57	.76	W	...	k.
Sungkiang, str.	14 22	120 30	.78	WNW	2	c.
Peshawur, str.	12 38	111 27	.85	SW	4	k.
Senta, str.	12 18	111 21	...	WSW	4	k.
Apenrade, str.	11 31	123 44	.74	W	6	k.
Kaiser-i-Hind, str.	8 26	108 44	.91	SW	4	o.
Menmuir, str.	8 9	121 51	.85	WNW	5	k.
Ousang, str.	3 13	105 32	.95?	S	2	c.
Victoria, str.	2 26	104 32	...	SSW	3	c.
Congella, str.	2 14	109 33	30.03	W	2	k.
Casa Blanca, bk.	1 51	125 6	...	WSW	2	...
Formosa, str	1 21	104 25	29.99	SW	3	opq.
July 19th.						
Wm. J. Rotch, sh.	43 22	138 17	...	SSW	2	m.
Ancona, str.	34 36	138 56	29.87	var.	1	...
Gaelic, str.	34 33	156 23	30.14	W	1	c.
Orestes, str.	34 26	134 22	29.77	var.	2	k.
Chi Yuen, str.	31 14	121 29	.71	SE	2	og.
Tyr, str.	30 15	125 22	...	S	2	c.
Oceana, str.	30 9	126 36	...	E	3	o.
Verona, str.	27 32	122 41	.58	ENE	2	c.
Lyeemoon, str.	25 10	119 47	.61	NNE	4	c.
Formosa, str.	25 10	121 25	.57?	...	0	...
Haitan, str.	24 28	118 4	...	SE	2	k.
Nanyang, str.	24 24	118 46	.60	NNW	3	c.
Cassius, str.	24 15	118 40	.64	N	3	c.
Yarra, str.	22 35	115 43	.62	...	...	...
Ask, str.	21 29	109 5	.56	S	3	o.
Sonora, bk.	21 18	113 21	...	SW	3	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
July 19th.						
L. Schepp, sh.	20° 24′	115° 17′	...	SSW	1	...
Tailee, str.	20 14	110 42	29.60	...	0	o.
Arratoon Apcar, str.	19 16	113 37	.62	W	...	k.
Lothair, bk.	17 56	124 43	.63?	WNW	gale.	q.
Amigo, str.	17 52	117 4	.63	W	4	k.
Ingraban, str.	17 14	110 52	.67	SW	5	k.
Senta, str.	16 0	113 24	...	WSW	4	o.
Cosmopolit, str.	14 39	120 6	.67	WNW	5	orq.
Sungkiang, str.	14 22	120 29	.69	W	3	opq.
Deuteros, str.	13 8	109 36	...	W	5	k.
Kaisar-i-Hind, str.	12 48	111 39	.79	SW	4	k.
Jacob Christensen, str.	11 19	111 14	.78	SW	6	t.
Menmuir, str.	9 18	121 51	.78	W	6	orq.
Peshawur, str.	8 47	109 18	.84	SW	6	orq.
Onsang, str.	6 2	107 24	.91?	WNW	5	o.
Formosa, str.	5 24	106 43	.95	NW	2	olpqt.
Congella, str.	4 15	113 3	30.06	SSE	2	o.
Casa Blanca, bk.	3 42	124 29	29.87	SW	5	...
Orient, bk.	2 21	104 43	.91	S	2	k.
July 20th.						
Wm. J. Rotch, sh.	43 5	137 24	...	SSW	1	f.
Gaelic, str.	34 31	150 19	30.11	WSW	3	c.
Chi Yuen, str.	31 15	121 30	29.70	NE	3	o.
Diomed, str.	31 9	122 23	.61	E	3	k.
Verona, str.	30 26	126 32	.47	NNE	4	c.
Lyeemoon, str.	28 54	122 2	.60	NNE	4	c.
Oceana, str.	28 11	122 43	...	E	1	o.
Tyr, str.	27 55	122 46	...	N	3	c.
Yarra, str.	26 5	120 33	.59	NNE	2	o.
Formosa, str	25 10	121 25	.56	...	...	...
Haitan, str.	24 28	118 3	...	E	2	k.
Cassius, str.	22 34	115 54	.62	NW	2	c.
Nanyang, str.	22 23	115 12	.57	SW	2	c.
L. Schepp, sh.	21 34	116 10	...	WSW	1	c.
Ask, str.	21 29	109 5	.56	NW	2	c.
Amigo, str.	20 20	115 36	.60	W	3	k.
Senta, str.	20 10	113 48	...	SW	2	k.
Lothair, bk.	19 0	125 15	.52?	W/N	7	...
Kaisar-i-Hind, str.	17 34	113 39	.79	var.	1	k.
Cosmopolit, str.	16 16	118 17	.63	W	6	o.
Sungkiang, str.	14 22	120 29	.66	W	3	or.
Ingraban, str.	13 53	109 51	.66	SSW	5	k.
Jacob Christensen, str.	11 32	115 10	.72	SW	6	c.
Deuteros, str.	10 48	108 8	...	WSW	6	...
Menmuir, str.	9 36	121 51	.77	SW	6	orq.
Formosa, str.	9 8	109 19	.81	W/S	6	o.
Onsang, str.	8 45	109 15	.89	WSW	6	c.
Congella, str.	5 17	115 15	.98	SW	4	...
Casa Blanca, bk.	5 16	122 37	.88	SW	5	...
Peshawur, str.	4 50	106 17	.90	SW/S	2	k.
Orient, str.	3 28	104 58	.86	SW	2	k.
July 21st.						
Empress of China, str.	50 20	175 20	30.16	NW	5	c.
Wm. J. Rotch, sh.	42 23	137 37	29.80	SSW	1	f.
Gaelic, str.	34 49	144 25	.99	S	5	cm.
Diomed, str.	32 15	127 12	.56	NE	6	o.
Produce, str.	31 57	126 2	.56	NE	5	...
Wuhu, str.	31 35	127 32	.52	NE	5	o.
Chi Yuen, str.	31 15	121 30	.71	N	3	o.
Borneo, str.	31 8	122 1	.65	NE	3	c.
Yarra, str.	31 1	122 11	.63	NE	3	c.
Tyr, str.	25 40?	120 10?	...	NNE	5	k.
Oceana, str.	25 15	119 43	...	var.	2	c.
Haitan, str.	24 59	119 28	...	var.	2	k.
L. Schepp, sh.	22 17	117 1	...	...	0	k.
Preussen, str.	21 42	113 55	.55	SSW	1	c.
Lothair, bk.	20 18	125 8	...	W	6	q.
Ask, str.	20 5	110 20	.57	W	4	o.
Tientsin, str.	19 53	113 53	.60	SW	4	k.
Cosmopolit, str.	18 4	116 30	.56	SW/W	6	c.
Sungkiang, str.	14 22	120 29	.72	W	3	p.
Formosa, str.	13 14	112 4	.68	SW	4	o.
Menmuir, str.	12 43	120 42	.75	var.	4	orq.
Jacob Christensen, str.	11 56	118 48	.68	WSW	5	o.
Onsang, str.	11 38	111 18	.74	SW/W	4	c.
Ingraban, str.	10 48	108 33	.72	SW	5	k.
Siam, str.	10 19	108 1	.81	SW	3	b.
Mongkut, str.	8 30	105 24	.89	W	2	c.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
July 21st.						
Casa Blanca, bk.	6° 29′	122° 0′	...	SSW	5	...
Mirzapore, str.	5 8	106 30	29.93	SW	3	k.
Orient, bk.	4 48	105 49	.88	SW	2	c.
Pathan, str.	3 20	105 27	.91	SSW	3	o.
El Capitan, sh.	1 9	107 58	...	SE	...	k.
Hupeh, str.	0 20	106 0	.93	SSW	3	c.
July 22nd.						
Empress of China, str.	48 52	166 23	30.04	SSE	5	o.
Wm. J. Rotch, sh.	41 50	138 8	.03	...	0	f.
Orestes, str.	33 57	129 50	29.72?	E	4	k.
Ancona, str.	33 50	132 23	.81	NNE	2	c.
Verona, str.	33 48	132 7	.78	E/S	4	c.
Borneo, str.	32 0	125 54	.52	NE	6	c.
Produce, str.	31 24	123 36	.50	ESE	7	...
Haitan, str.	26 8	119 38	...	...	0	...
Formosa, str.	24 28	118 4	.48	...	...	...
Tyr, str.	23 30?	117 40?	...	NNE	3	o.
Oceana, str.	22 58	116 49	...	var.	1	o.
L. Schepp, sh.	22 54	117 9	...	...	0	k.
Lothair, bk.	21 36	124 49	.52?	SW/S	...	q.
Cosmopolit, str.	20 23	115 0	.50	SW	5	c.
Ask, str.	20 5	110 20	.54	WNW	3	c.
Formosa, str.	17 26	113 24	.57	W	4	opq.
Tientsin, str.	16 29	113 18	.61	WSW	5	o.
Preussen, str.	16 19	113 10	.61	WSW	6	cp.
Onsang, str.	14 38	113 16	.65	SW	3	c.
Sungkiang, str.	14 22	120 29	.69	W	3	or.
Pectan, str.	13 58	119 20	...	var.	7	orq.
Menmuir, str.	13 50	119 14	.66	W	6	orq.
Siam, str.	11 22	112 7	.70	WSW	5	c.
Mongkut, str.	10 46	108 46	.75	W	4	c.
Mirzapore, str.	9 10	109 20	.80	WSW	5	c.
Ingraban, str.	8 51	107 5	.77	W	6	k.
Phra Nang, str.	8 30	105 30	.85	W	4	k.
Casa Blanca, bk.	8 23	121 35	.82	SW	5	o.
Memnon, str.	8 23	119 12	.80	WSW	3	o.
Shantung, str.	8 22	105 1	.84	SW	4	o.
Congella, str.	7 40	116 7	.87	SW	5	c.
Pat[illegible], str.	6 11	107 18	.88	SW	5	oq.
Ori[illegible], bk.	6 4	106 52	.83	SW	4	o.
Tantalus, str.	4 4	105 37	.93	NE	2	k.
Bombay, str.	3 57	105 53	.91	S	2	cp.
El Capitan, sh.	3 29	108 45	...	SSW	5	o.
Hupeh, str.	1 19	104 19	.90	SW	5	cpq.
Taiyuan, str.	0 ...	126 ...	.87	S	5	k.
July 23rd.						
Empress of China, str.	46 54	158 14	29.74	NE	5	o.
Wm. J. Rotch, sh.	41 50	138 29	30.03	SW	2	k.
H.M.S. Narcissus,	41 43	143 8	.01	W/N	1	c.
Diomed, str.	33 33	129 35	29.92	NE	2	k.
Borneo, str.	32 35	129 16	.84	SE	5	o.
Oreste[illegible], str.	32 24	124 44	.59	ESE	8	c.
Ching[illegible]g, str.	31 15	121 44	.30	SSW	6	q.
Chi Yuen, str.	30 37	122 3	.45	S	7	o.
City of Peking, str.	26 36	179 52	30.11	ENE	2	c.
Formosa, str.	24 28	118 4	29.49	...	...	...
L. Schepp, sh.	23 1	117 33	...	...	0	...
Lothair, bk.	21 56	123 32	...	SW	...	oq.
Decima, str.	21 34	113 47	.50	NNW	1	k.
Ask, str.	20 32	111 27	.48	NNE	2	o.
Taichiow, str.	19 51	112 34	.50	W	2	o.
Onsang, str.	18 11	113 40	.55	W/N	2	or.
Nanshan, str.	17 7	118 8	.60	SW	4	oq.
Menmuir, str.	16 42	118 3	.59	WSW	6	orq.
Yuensang, str.	14 35	120 57	.65	SW	4	or.
Mongkut, str.	14 23	110 9	.65	SW	4	c.
Sunkiang, str.	14 22	120 29	.66	var.	1	or.
Tientsin, str.	13 34	112 14	.61	SW	6	o.
Mirzapore, str.	13 11	112 30	.56	W	4	o.
Pectan, str.	12 45	117 0	.67	WSW	8	c.
China, str.	12 14	109 24	.64	SSW	4	o.
Siam, str.	12 9	115 47	.62	WSW	6	q.
Preussen, str.	11 29	111 12	.65	SW	6	cp.
Congella, str.	11 26	117 28	.68	WSW	6	orq.
Phra Nang, str.	10 53	108 38	.73	WSW	4	k.
Casa Blanca, bk.	10 45	121 22	.76	SW	6	op.
Memnon, str.	10 30?	120 ...	.73	WSW	4	op.
Shantung, str.	10 27	108 7	.72	SW	4	om.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
July 23rd.						
Pathan, str.	9° 10′	109° 20′	29.77	SW	7	orq.
Orient, bk.	8 5	108 35	.78	W	...	orq.
Tantalus, str.	7 40	108 16	.83	W	7	orq.
Bombay, str.	7 15	108 3	.84	SW/W	4	o.
Ingraban, str.	6 40	106 2	.78	WSW	4	k.
El Capitan, sh.	6 13	108 55	...	SW	8	or.
Taiyuan, str.	4 ...	124 ...	.82	S	3	c.
July 24th.						
Empress of China, str.	43 41	151 12	29.72	WNW	3	c.
Wm. J. Rotch, sh.	41 15	139 50	.95	WSW	2	...
Kalgan, str.	38 40	121 6	.55	SSW	6-7	...
Gaelic, str.	34 36	139 1	.95	SW	1	c.
Verona, str.	34 35	139 0	.94	N	1	...
Yarra, str.	32 15	125 4	.89	SE	3	c.
Orestes, str.	31 0	122 10	.82	S/E	4	k.
Ancona, str.	30 49	127 11	.92	SE	4	c.
Meefoo, str.	29 47	122 31	.80	ESE	4	b.
City of Peking, str.	28 19	174 2	30.09	SSE	4	c.
Empress of Japan, str.	26 51	120 55	29.66	ENE	5	opq.
Haitan, str.	25 26	120 0	...	NE	6	o.
Formosa, str.	23 20	116 43	.56	E	...	...
L. Schepp, sh.	23 19	118 30	...	...	...	o.
Lothair, bk.	21 46	122 25	.63?	SW/W	...	q.
Onsang, str.	21 10	113 50	.53	NE	5	o.
Chowfa, str.	20 5	110 48	.54	NE	4	or.
Nanshan, str.	19 31	115 45	.52	var.	2	p.
Decima, str.	18 32	111 32	.51	S	2	orqtl.
Menmuir, str.	18 2	117 25	.56	SW	6	opq.
Mirzapore, str.	17 54	113 27	.50	S	2	c.
Mongkut, str.	17 50	111 9	.53	NW	2	or.
Taichiow, str.	17 19	110 53	.54	W/N	4	od.
Yuensang, str.	17 9	118 10	.57	SW	4	c.
Sungkiang, str.	14 22	120 29	.68	W	2	op.
Phra Nang, str.	14 21	110 1	.56	WSW	5	o.
Congella, str.	14 1	115 2	.61	WSW	9	oq.
China, str.	13 47	109 41	.61	SW/W	6	o.
Siam, str.	13 7	118 54	.65	WSW	6	orq.
Shantung, str.	12 56	109 32	.64	W	6	o.
Pathan, str.	12 12	111 53	.64	SW	7	orq.
Pectan, str.	11 59	115 0	...	WSW	8	b.
Casa Blanca, bk.	11 48	120 15	...	SW	5	orq.
Tientsin, str.	11 14	111 6	.68	SW	8	o.
Memnon, str.	10 53	120 ...	.67	SW	4	o.
Tantalus, str.	10 48	111 2	.72	WSW	8	o.
Shantung, str.	10 27	108 7	.72	SW	4	om.
Bombay, str.	10 23	110 18	.77	WSW	7	q.
Orient, bk.	9 55	110 13	.72	W	...	oq.
El Capitan, sh.	8 43	109 28	...	SW	9	q.
Preussen, str.	8 39	109 30	.76	WSW	7	crq.
Phra Chom Klao, str.	8 35	106 2	...	W	3	b.
Keong Wai, str.	8 28	105 18	.80	W/S	4	q.
Taiyuan, str.	7 ...	122 ...	.83	N	3	k.
Ivy, sh.	5 25	107 21	...	SW	2	o.
Tetartos, str.	4 55	106 13	.80	SSW	5	k.
City of Dublin, str.	4 12	105 35	.84	SW	2	k.
Ingraban, str.	3 22	104 47	.79	SSW	4	c.
Hupeh, str.	3 3	105 20	.86	SSE	4	c.
Donar, str.	1 18	104 16	.84	SE	5	c.
July 25th.						
Wm. J. Rotch, sh.	40 51	142 2	29.78	SSW	2	od.
Empress of China, str.	39 49	144 43	.84	SE	3	c.
Bygdo, str.	36 42	122 55	.89	SW	3	of.
Yarra, str.	33 52	131 14	.94	S	2	...
Borneo, str.	33 42	132 1	.96	...	0	c.
Ocampo, str.	33 39	135 15	.96	W	2	k.
Asloun, str.	32 52	176 30	30.23	SSE	2	k.
Gaelic, str.	32 19	134 21	29.90	W	3	c.
Empress of Japan, str.	31 22	121 36	.79	SE	4	...
City of Peking, str.	30 0	167 58	30.03	SSE	3	cq.
Meefoo, str.	27 52	122 6	29.66	SSE	10	or.
Ancona, str.	27 52	122 58	.60	S	6	oq.
Coptic, str.	27 46	122 54	.60	SE	5	orq.
Chi Yuen, str.	26 36	120 12	.64	W	3	op.
Haitan, str.	24 28	118 4	...	SE	4	k.
L. Schepp, sh.	24 0	119 2	...	SSE	2	k.
Lothair, bk.	21 18	121 50	.73?	S	...	k.
Mongkut, str.	21 11	113 12	.49	ENE	4	opq.
Menmuir, str.	21 3	115 7	.54	SSE	2	p.
July 25th.						
Yuensang, str.	20° 9′	115° 58′	29.55	SW/S	4	c.
Congella, str.	18 15	114 41	.58	SSW	6	o.
Progress, str.	18 14	110 16	.52	W	5	opq.
Phra Nang, str.	17 49	110 56	.50	W	5	o.
Shantung, str.	16 10	110 32	.55	W	5	oq.
Pathan, str.	15 20	113 23	.62	SW	6	c.
Decima, str.	15 10	110 1	.58	W	3	o.
China, str.	14 38	112 1	.61	SSW	5	o.
Tantalus, str.	14 38	113 0	.67	SW	5	k.
Sungkiang, str.	14 22	120 29	.74	var.	2	p.
Taichiow, str.	13 52	109 22	.63	SW	4	oq.
Bombay, str.	13 51	112 50	.68	SW/S	4	c.
Casa Blanca, bk.	13 14	119 42	.77	SW/W	5	orq.
Apenrade, str.	12 24	122 17	.72	S	8	q.
Memnon, str.	12 11	120 27	.79	SSW	3	om.
Siam, str.	11 40	121 12	.77	SW	5	orq.
Phra Chom Klao, str.	11 30	109 7	...	WNW	5	c.
Pectan, str.	11 26	113 5	.73	SW/W	5	b.
Orient, bk.	11 1	111 17	.68	WSW	...	c.
Keong Wai, str.	11 0	108 41	.68	W/S	4	c.
Taiyuan, str.	11 0	122 0	.81	SW/W	4	k.
El Capitan, sh.	10 40	110 37	...	SW	6	k.
Tientsin, str.	9 18	111 30	.74	SW/W	7	orq.
Tetartos, str.	8 37	107 59	.77	SW	5	opq.
City of Dublin, str.	7 25	108 0	...	SW	2	o.
Ivy, sh.	7 2	108 38	...	SW	6	o.
Hupeh, str.	6 2	107 37	.84	SSW	4	c.
Preussen, str.	4 45	106 28	.83	SSW	5	c.
Strathdee, str.	4 32	105 35	.83	SSE	4	...
Donar, str.	4 18	105 36	.84	S	4	c.
Foohng Suey, bk.	1 29	107 52	.85	S	5	k.
July 26th.						
Braemar, str.	49 47	177 46	29.96	ESE	6	f.
Wm. J. Rotch, sh.	39 26	143 25	.55	NNE	5	or.
Empress of China, str.	35 21	140 35	.62	SW	3	b.
Ocampo, str.	34 51	139 18	.69	E	4	k.
Diomed, str.	34 29	134 33	.86	W	3	k.
Asloun, str.	34 10	172 26	30.26	SSE	4	k.
Bygdo, str.	33 27	122 55	29.77	SE	2	of.
Gaelic, str.	31 46	130 1	.88	NNW	2	c.
Empress of Japan, str.	31 44	124 44	.83	SE	4	m.
Coptic, str.	31 41	128 16	.79	var.	1	c.
City of Peking, str.	31 18	161 41	.88	SSE	4	c.
Lyeemoon, str.	29 59	121 59	.80	SSE	4	c.
Pekin, str.	27 27	121 21	.80	SE	5	or.
Meefoo, str.	25 30	120 5	.75	SW	3	cl.
L. Schepp, sh.	25 19	120 52	...	...	0	...
Ancona, str.	24 53	119 24	.76	SSW	2	o.
Chi Yuen, str.	23 56	117 54	.77	S/W	2	oq.
Haitan, str.	23 26	117 6	...	SSE	4	o.
Senta, str.	23 18	117 26	...	SSE	4	cp.
Pakhoi, str.	22 20	116 21	.67	SE	4	oq.
Hinsang, str.	21 52	114 23	.61	SE/E	4	c.
Cassius, str.	21 42	113 43	.60	SE	4	cp.
Oceana, str.	21 36	113 47	...	SSE	4	o.
Lothair, bk.	21 29	120 32	.78?	SE	...	q.
Arratoon Apcar, str.	21 19	113 58	.60	SSE	6	or.
Phra Nang, str.	20 58	113 5	.57	SE	4	k.
Progress, str.	20 43	113 0	...	SSE	5	c.
Ask, str.	20 10	110 25	.44	SSW	6	o.
Tantalus, str.	19 2	113 19	.64	SSW	5	p.
Shantung, str.	18 57	112 18	.61	SW	4	o.
Palawan, str.	18 55	111 45	.52	SW/S	6	k.
Pathan, str.	18 44	114 45	.65	SSE	4	c.
Bombay, str.	17 48	113 41	.64	S/W	5	c.
China, str.	17 41	113 35	.61	SW/S	7	c.
Phra Chom Klao, str.	15 29	109 23	...	var.	1	c.
Casa Blanca, bk.	14 54	118 18	.75	WSW	4	opq.
Memnon, str.	14 48	120 12	.69	SW	2	or.
Keong Wai, str.	14 42	110 10	.61	SW	4	c.
Apenrade, str.	14 40	119 58	.72	SW	5	...
Sungkiang, str.	14 22	120 29	.79	var.	1	or.
Taiyuan, str.	14 ...	120 ..	.78	SW	4	o.
El Capitan, sh.	13 20	113 32	...	SW	5	k.
Orient, bk.	12 57	112 43	.70	SW	...	c.
Tetartos, str.	11 48	109 17	.67	SW	5	k.
Decima, str.	11 45	109 16	.62	SSW	6	c.
Taichiow, str.	10 59	108 39	.68	SW	5	c.

JULY, 1896.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
July 26th.						
City of Dublin, str.	10° 36′	110° 32′	29.70	SW	5	...
Pectan, str.	9 39	111 47	.74	SW/W	6	c.
Hupeh, str.	9 11	109 35	.73	WSW	8	c.
Ivy, sh.	8 43	110 24	...	WSW	6	o.
Strathdee, str.	7 14	107 18	.78	NW	8	...
Donar, str.	7 13	107 22	.80	SW	6	o.
Tientsin, str.	7 3	108 55	.80	WSW	6	orq.
Foohng Suey, bk.	4 26	107 12	.81	W	5	m.
July 27th.						
Braemar, str.	48 30	171 40	29.78	S	4	f.
Wm. J. Rotch, sh.	37 17	141 58	...	NE	2	k.
Asloun, str.	34 26	168 10	30.16	SSE	4	o.
Yarra, str.	33 42	135 13	29.83	NE	2	c.
City of Peking, str.	32 29	155 43	.79	S	2	c.
Bygdo, str.	30 31	122 52	.73	S	2	k.
Fushun, str.	27 19	120 48	.77	S	1	...
L. Schepp, sh.	27 4	123 18	...	SE/S	5	...
Lyeemoon, str.	26 14	120 20	.82	E	1	c.
Senta, str.	25 44	121 15	.74?	NE	3	c.
Pekin, str.	23 43	117 55	.76	var.	1	k.
Haitan, str.	23 20	116 44	...	SSE	4	or.
Ancona, str.	22 34	115 37	.72	var.	1	ogp.
Pathan, str.	21 57	116 23	.71	SE	3	q.
I.M.C.C. Likin	21 49	113 6	.68	ESE	2	oq.
China, str.	21 27	113 52	.68	SE	4	opq.
Lothair, bk.	20 27	118 5	.73?	SE	...	p.
Ask, str.	20 4	110 20	.63	SSE	2	o.
Amigo, str.	19 45	112 14	.63	SW	3	k.
Pakhoi, str.	19 28	115 1	.66	SSE	5	opq.
Phra Chom Klao, str.	19 24	108 18	.65	SE	3	b.
Hinsang, str.	19 23	114 26	.67	SE/S	4	c.
Cassius, str.	18 57	112 20	.64	SSW	3	c.
Oceana, str.	18 32	111 45	.65	SSE	3	o.
Keong Wai, str.	18 24	111 52	.63	E/S	4	c.
Arratoon Apcar, str.	17 46	113 25	.62	S	4	c.
Apenrade, str.	17 27	118 1	.66	SSE	5	opq.
Taiyuan, str.	17 ...	118 ...	.69	SSW	3	k.
Casa Blanca, bk.	16 12	117 16	.74	WSW	4	or.
El Capitan, sh.	15 27	114 25	...	S	2	o.
Tetartos, str.	15 21	109 56	.64	SW	4	k.
Memnon, str.	15 9	119 32	.73	SW	3	o.
Palawan, str.	14 43	110 13	.62	SSW	5	k.
Orient, bk.	14 33	113 50	.66	SW	2	k.
Sungkiang, str.	14 22	120 29	.77	W	2	c.
City of Dublin, str.	14 7	112 34	.66	SW	1	...
Hupeh, str.	12 30	112 9	.80	SW/W	6	c.
Ivy, sh.	10 59	112 38	...	SW	3	o.
Donar, str.	9 53	109 22	.71	WSW	7	orq.
Strathdee, str.	9 51	109 35	.69	SW	6	q.
Taichiow, str.	9 22	107 5	.75	WSW	4	c.
Pectan, str.	8 51	109 57	.75	WSW	6	c.
Chunshan, str.	8 23	105 1	.78	W	4	c.
Foohng Suey, bk.	7 22	108 12	.71	WSW	5	o.
Tientsin, str.	3 28	108 32	.85	S	5	k.
Stanfield, bk.	2 20	110 56	...	S	...	...
July 28th.						
Braemar, str.	47 26	166 30	29.81	WSW	3	o.
Wm. J. Rotch, sh.	35 38	141 4	.87	SSE	2	o.
Asloun, str.	34 50	163 47	30.01	SSE	4	or.
Empress of China, str.	34 26	135 6	29.81	SSE	3	b.
City of Peking, str.	33 40	149 27	.87	NNE	3	c.
Gaelic, str.	30 22	126 34	.76	SW	4	c.
Bygdo, str.	28 16	121 56	.77	S	2	c.
Monmouthshire, str.	28 0	123 3	...	S	5	k.
L. Schepp, sh.	27 55	126 48	...	S	5	k.
Senta, str.	27 22	125 16	...	SE	3	c.
Pathan, str.	24 36	119 15	.69	E	1	k.
Fushun, str.	24 5	118 19	.68	NNW	1	...
Lyeemoon, str.	23 7	117 2	.70	NE	1	c.
Keong Wai, str.	21 49	113 44	.66	ENE	5	k.
I.M.C.C. Likin,	21 35	112 13	.66	E	2	c.
Taiyuan, str.	21 ...	115 ...	.62	NE	3	k.
Lothair, bk.	20 43	115 48	.67?	NE	6	k.
Ask, str.	20 36	111 22	.68	ENE	3	opq.
Apenrade, str.	20 17	116 0	.61	ENE	6	k.
Tetartos, str.	18 50	108 24	.67	NE	2	or.
Chowfa, str.	18 8	108 4	.63	SSE	3	o.
City of Dublin, str.	17 55	113 32	.64	var.	2	p.
July 28th.						
Amigo, str.	17° 0′	110° 18′	29.60	SE	2	k.
Casa Blanca, bk.	16 59	116 55	.62	WNW	6	oq.
El Capitan, sh.	16 32	114 53	...	W	1	...
Memnon, str.	16 55	116 33	.60	NW	1	o.
Hinsang, str.	16 29	113 28	.61	SW	1	c.
Cassius, str.	16 26	110 52	.61	SW	3	c.
Pakhoi, str.	16 12	113 28	.59	SW	3	b.
Hupeh, str.	16 9	113 23	.62	var.	2	o.
Orient, bk.	16 6	114 10	.65	WNW	2	c.
Oceana, str.	14 41	111 21	.66	SW/S	4	o.
Sungkiang, str.	14 22	120 29	.63	SW	4	orq.
Arratoon Apcar, str.	14 15	112 12	.62	WSW	6	o.
Ivy, sh.	13 45	113 12	...	W	6	o.
Strathdee, str.	12 35	112 6	.65	SW	4	k.
Donar, str.	12 35	110 15	.67	NNE	1	c.
Foohng Suey, bk.	11 5	110 13	.66	SW	8	k.
Chunshan, str.	10 45	108 16	.74	W	4	o.
Palawan, str.	10 22	109 30	.69	SW	6-7	...
Taichiow, str.	8 35	104 26	.78	W	4	oq.
Pectan, str.	6 43	108 12	.81	SW	5	o.
Stanfield, bk.	3 18	110 19	...	WNW	6	...
July 29th.						
Braemar, str.	45 34	161 30	29.91	NE	2	k.
Skarpsno, str.	40 57	139 34	...	SW	5	...
Wuotan, str.	38 10	121 17	.69	...	...	k.
Wm. J. Rotch, sh.	35 48	141 2	.79	SSW	6	m.
Asloun, str.	34 55	160 1	.95	ENE	5	op.
City of Peking, str.	34 41	142 46	.81	SSW	4	c.
Sunda, str.	34 0	130 6	.86	SSW	4	cq.
Empress of Japan, str.	34 38	135 11	.81	W	4	k.
Empress of China, str.	33 43	132 15	.78	WSW	4	b.
L. Schepp, sh.	29 16	129 41	...	S	2	...
Senta, str.	29 13	129 49	...	var.	2	b.
Gaelic, str.	27 10	122 26	.62	SSE	7	c.
Pathan, str.	27 4	121 37	...	SE	7	k.
Bygdo, str.	25 50	120 1	.65	NW	1	k.
I.M.C.C. Likin,	21 35	111 48	.50	NW	2	oq.
Lothair, bk.	21 21	114 42	.32?	NNW	12	...
Phra Chom Klao, str.	20 30	111 20	.58	NW	4	o.
City of Dublin, str.	20 4	113 46?	.23	WNW	10	orq.
Hupeh, str.	18 45	113 35	.40	W	10	orq.
El Capitan, sh.	18 11	115 2	...	SW	12	orq.
Casa Blanca, bk.	17 34	117 6	.60	SW	10	orq.
Orient, bk.	17 34	112 42	.53	W	...	orq.
Memnon, str.	16 50	116 20	.54	SW	8	orq.
Donar, str.	15 53	110 34	.55	SW	3	o.
Ivy, sh.	15 32	113 12	...	WSW	6	o.
Strathdee, str.	15 31	113 6	.54	WSW	5	o.
Chowfa, str.	14 54	109 17	.57	S	2	k.
Sungkiang, str.	14 22	120 29	.81	SE	3	c.
Foohng Suey, bk.	14 7	112 23	.58	SSW	4	m.
Chunshan, str.	13 53	110 5	.57	var.	3	o.
Hinsang, str.	13 48	112 31	.61	SW	7	oq.
Pakhoi, str.	13 17	112 8	.60	SW	5	oq.
Cassius, str.	13 17	110 0	.60	SW	5	c.
Amigo, str.	12 55	109 25	.59	SW	5	q.
Arratoon Apcar, str.	11 32	110 57	.64	SW/W	6	k.
Oceana, str.	10 54	109 10	.77	SSW	4	o.
Taichiow, str.	10 16	102 24	.80	W	5	or.
Palawan, str.	6 14	108 3	.81	S	4	o.
Pectan, str.	4 35	106 15	.84	SSW	5	c.
Stanfield, bk.	4 31	109 48	.86	SW	4	k.
Frigga, str.	3 27	105 23	.83	S	5	c.
Patroclus, str.	1 17	104 17	.76	S	2	op.
July 30th.						
Braemar, str.	43 22	156 6	29.92	SE	2	k.
Skarpsno, str.	39 12	136 12	...	SSW	5	o.
Chingping, str.	38 38	118 48	.66	E	4	q.
Wm. J. Rotch, sh.	35 35	141 8	..	NE	1	f.
Asloun, str.	35 22	155 14	...	NE	4	k.
Senta, str.	32 16	134 2	...	W	3	b.
Sunda, str.	32 12	125 25	.83	SSW	4	c.
L. Schepp, sh.	29 47	131 22	...	WSW	5	...
Pathan, str.	29 42	124 55	...	SSE	6	o.
Gaelic, str.	24 19	118 43	.79	SW/S	2	cm.
Bygdo, str.	23 50	118 5	.81	SE	3	c.
Meefoo, str.	23 33	117 25	.85	SE	2	...
Hohenzollern, str.	22 13	114 25	.68	SE	6	o.

JULY, 1896.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
July 30th.						
Phra Chom Klao, str.	21° 50′	113° 25′	...	SW/S	5	o.
I.M.C.C. Likin,	21 36	111 48	29.57	SSW	4	o.
City of Dublin, str.	21 34	114 15?	.69	SE	4	o.
Tetartos, str.	21 33	113 35	.67	SSE	6	m.
Lothair, bk.	21 5	114 0	...	S	...	o.
El Capitan, sh.	19 52	114 57	...	S	6	...
Hupeh, str.	19 38	113 50	.64	S/E	7	c.
Memnon, str.	19 10	116 27	.78	S/W	6	oq.
Orient, bk.	18 54	112 24	.68	SW	...	o.
Strathdee, str.	18 48	113 30	.64	S	6	or.
Donar, str.	18 29	111 35	.58	S	6	c.
Ivy, sh.	18 11	112 36	...	S	6	q.
Casa Blanca, bk.	17 48	117 20	...	S/W	6	orq.
Foohng Suey, bk.	17 39	113 11	.64	SSW	5	o.
Chunshan, str.	17 27	111 10	.58	SW	4	o.
Sungkiang, str.	14 22	120 29	.94	W	2	c.
Hinsang, str.	12 22	111 50	.73	SW/S	7	c.
Pakhoi, str.	11 42	111 20	.76	SSW	6	cq.
Chowfa, str.	11 17	108 58	.69	SW	5	o.
Cassius, str.	10 57	109 50	.74	SW	6	c.
Arratoon Apcar, str.	9 22	110 14	.81	SW/W	4	oq.
Machew, str.	8 34	105 48	.81	SSW	4	o.
Oceana, str.	8 13	107 40	.80	SW	4	o.
Oopack, str.	7 42	108 37	.81	SSW	4	o.
Frigga, str.	6 41	107 19	.85	S	5	o.
Stanfield, bk.	6 25	109 6	.86	SW	4	...
Patroclus, str.	5 33	106 57	.84	SSE	4	ok.
Glenfalloch, str	3 51	105 45	.91	SE/S	2	o.
Palawan, str.	3 2	104 52	.90	S/E	4	k.
Pectan, str.	2 11	104 57	.88	SE	4	c.
Brindisi, str.	1 39	104 34	.87	SE	3	orq.
July 31st.						
H.M.S. Narcissus,	41 15	140 45	29.61	SSW	2	c.
Braemar, str.	41 3	151 17	.80	var.	3	f.
Skarpsno, str.	37 13	133 35	...	SW	1	o.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
July 31st.						
Asloun, str.	35° 23′	150° 25′	29.96	S	5	o.
Wm. J. Rotch, sh.	35 4	142 18	.75	SSW	7	...
Senta, str.	34 24	138 42	...	SSW	5	omd.
City of Peking, str.	34 33	138 57	.67	WSW	5	c.
Empress of China, str.	31 35	125 31	.80	SW	4	o.
Pathan, str.	31 7	128 3	...	SSE	5	o.
Hohenzollern, str.	24 30	119 26	.93	S	2	k.
Bombay, str.	23 45	118 2	.93	ENE	2	bm.
Cosmopolit, str.	23 26	117 27	.94	ESE	3	k.
Bygdo, str.	22 27	115 14	.85	SE	2	k.
Gaelic, str.	22 20	114 46	.82	SSE	2	cm.
Sabine Rickmers, str.	22 20	114 56	.82	E	5	m.
I.M.C.C. Likin,	21 36	111 48	.78	SE	3	og.
Foohng Suey, bk.	21 12	113 50	.83	SSE	4	k.
Donar, str.	21 1	113 21	.80	SE	4	o.
Orient, bk.	20 51	112 22	.83	S	5	orq.
Chunshan, str.	20 40	113 7	.84	SE	6	o.
Ivy, sh.	20 35	113 37	...	S	2	q.
Pekin, str.	19 7	114 6	.88	S	4	k.
Casa Blanca, bk.	18 25	114 50	...	S	2	o.
Sungkiang, str.	14 22	120 29	.92	SE	2	c.
Deuteros, str.	11 59	109 25	.82	WSW	4	...
Oopack, str.	11 32	111 12	.85	SSW	4	k.
Machew, str.	11 21	109 3	.83	SW	4	o.
Hinsang, str.	10 39	110 42	.85	SSW	5	c.
Frigga, str.	10 24	109 10	.86	SW	5	c.
Patroclus, str.	9 43	109 57	.90	S	4	c.
Pakhoi, str.	9 10	110 0	.85	WSW	5	o.
Chowfa, str.	8 53	106 30	.87	SW	2	orq.
Cassius, str.	8 3	108 35	.85	SW	4	or.
Stanfield, bk.	7 50	109 2	...	SW	...	orq.
Glenfalloch, str.	7 16	107 59	.94	SE S	2	o.
Arratoon Apcar, str.	6 46	107 37	.88	SSW	4	k.
Brindisi, str.	5 14	106 16	.89	SE	3	c.
Oceana, str.	4 53	105 57	.86	S	3	o.
Salterod, bk.	4 20	105 29	...	S/W	3	k.

AUGUST, 1896.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
August 1st.						
H.M.S. Narcissus,	41° 15′	140° 45′	29.63	ESE	2	cmp.
Braemar, str.	39 0	147 30	.74	var.	6	k.
Empress of Japan, str.	37 43	145 25	.76	SE	3	k.
Wm. J. Rotch, sh.	35 58	141 54	.75	SW	5	m.
Chingping, str.	35 47	122 44	.66	SW	3	k.
Asloun, str.	35 15	146 35	.88	SSW	6	o.
Wuotan, str.	35 11	122 57	.69	SW	2	k.
Skarpsno, str.	35 9	130 26	...	SW	5	o.
L. Schepp, sh.	33 44	137 38	...	W	4	...
Diomed, str.	33 26	135 40	.80	SW	2	o.
City of Peking, str.	32 27	133 52	.81	WSW	4	c.
Hohenzollern, str.	27 30	124 30	.94	SS	4	k.
Bombay, str.	27 8	121 28	.89	SSW	4	b.
Menmuir, str.	23 37	117 58	.92	NE	3	k.
El Capitan, sh.	22 55	116 58	...	...	0	...
I.M.C.C. Likin,	21 34	111 47	.83	SE	5	c.
Casa Blanca, bk.	20 4	114 20	...	SE	4	o.
Oopack, str.	15 41	113 8	.84	ENE	3	k.
Deuteros, str.	15 17	110 40	.86	SW	3	k.
Machew, str.	14 56	110 25	.81	S	3	k.
Pekin, str.	14 39	112 40	.81	S/E	4	k.
Sungkiang, str.	14 22	120 29	.84	var.	1	or.
Frigga, str.	14 21	110 26	.82	SW	3	c.
Patroclus, str.	14 14	112 37	.88	ESE	2	k.
Glenfalloch, str	10 31	110 43	.90	W	2	c.
Saghalien, str.	10 15	107 11	.92	...	0	k.
Chowfa, str.	9 25	103 17	.87	SW	...	...
Brindisi, str.	8 43	108 36	.89	S	3	c.
Kongbeng, str.	8 24	104 52	...	SSE	1	c.
Devawongse, str.	8 23	105 0	.86	SW	3	k.
Hinsang, str.	8 17	109 1	.84	SW	3	k.
Salterod, bk.	6 12	106 29	...	SW	1	k.
Pakhoi, str.	6 2	107 34	.85	SW	3	b.
Cassius, str.	5 29	107 29	.86	SW	4	c.
Nestor, str.	4 44	106 19	...	var.	var.	cp.
Elizabeth Rickmers, str.	4 2	105 31	.87	var.	1	c.
Arratoon Apcar, str.	3 29	105 42	.88	SW/S	4	k.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
August 1st.						
Airlie, str.	1 17	125 22	29.86	S	2	c.
Northbrook, bk.	1 8	106 32	...	SE	2	k.
St. Mark, sh.	0 58	106 42	...	...	0	k.
August 2nd.						
H.M.S. Narcissus,	41 15	140 45	29.66	NW	1	c.
Empress of Japan, str.	40 55	151 48	.63	SSW	4	or.
Braemar, str.	36 50	143 30	.68	SW	6	o.
Asloun, str.	35 20	143 17	.68	SW	9?	o.
Wm. J. Rotch, sh.	35 7	143 15	...	WSW	8	m.
Verona, str.	34 38	139 3	.69	SW/S	5	cm.
Skarpsno, str.	33 17	128 7	...	SW	4	o.
Chingping, str.	32 38	122 50	.76	S/W	4	k.
City of Peking, str.	32 31	129 42	.85	W	3	c.
Wuotan, str.	31 56	123 12	.79	SW	2	k.
Sunda, str.	30 30	122 30	.81	SSW	5	c.
Hohenzollern, str.	30 27	130 7	...	WSW	3	k.
Empress of China, str.	27 27	121 28	.87	S/W	4	b.
Menmuir, str.	26 36	121 30	.89	SE	3	k.
Ancona, str.	25 37	120 55	.88	SSW	2	b.
Fooksang, str.	25 3	119 35	.86	ESE	1	k.
El Capitan, sh.	23 15	117 22	...	NW	5	...
Azamor, str.	23 10	117 23	.86	NW	3	k.
Sabine Rickmers, str.	22 41	116 5	.82	W	2	b.
Zafiro, str.	22 0	118 18	.85	...	0	k.
Casa Blanca, bk.	21 54	113 58	...	ENE	2	o.
Bisagno, str.	21 27	113 39	.88	...	0	k.
Chelydra, str.	21 10	113 48	.86	E	2	b.
Ask, str.	20 13	110 44	.85	SE	2	c.
Oopack, str.	20 10	113 42	.84	NE	5	k.
Patroclus, str.	19 12	113 32	.84	ENE	4	cp.
Machew, str.	18 40	111 54	.83	var.	3	orq.
Deuteros, str.	18 31	111 46	.85	ENE	4	og.
Frigga, str.	18 2	111 47	.81	NE	4	c.
Sungkiang, str.	14 36	120 58	.78	SE	3	opq.
Saghalien, str.	14 11	110 13	.84	W	2	b.
Glenfalloch, str.	14 9	113 11	.82	W/N	4	o.
Brindisi, str.	12 4	111 16	.80	WNW	3	c.

AUGUST, 1896.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
August 2nd.						
Devawongse, str.	10° 49′	108° 42′	29.78	SW	3	k.
Kongbeng, str.	10 31	108 19	...	NNE	2	c.
Pekin, str.	10 6	109 50	.76	SW	4	k.
Nestor, str.	8 35	109 12	...	WNW	4	o.
Salterod, bk.	7 45	108 16	...	W	var.	orq.
Elizabeth Rickmers, str.	6 46	107 44	.90	W	4	oq.
Hinsang, str.	5 42	106 54	.89	SW/W	3	b.
Airlie, str.	4 45	123 22	.85	SW	1	c.
Rosetta, str.	4 31	105 58	.92	W	2	c.
Shanghai, str.	4 10	105 46	.87	SW	2	k.
Cassius, str.	2 56	105 22	.88	SW	2	b.
Pakhoi, str.	2 43	105 16	.88	SSW	3	b.
Northbrook, bk.	1 51	106 47	...	SSE	3	c.
St. Mark, sh.	1 45	106 47	...	S	1	k.
August 3rd.						
Empress of Japan, str.	44 6	159 2	29.69	NW	4	o.
H.M.S. Narcissus,	41 15	140 45	.53	ESE	1	or.
Coptic, str.	40 45	152 24	.71?	...	0	o.
Asloun, str.	35 8	140 42	.68	SW	6	m.
Braemar, str.	34 53	139 58	.72	WSW	3	k.
Verona, str.	34 20	135 2	.80	...	1	b.
Wm. J. Rotch, sh.	33 45	144 27	...	SW	9	or.
Hohenzollern, str.	33 18	135 52	.86	SW	5	k.
City of Peking, str.	31 45	128 32	.89	SW	4	c.
Skarpsno, str.	31 44	125 31	...	SSW	4	o.
Chingping, str.	30 36	122 57	.84	S	4	k.
Menmuir, str.	29 42	124 44	.91	S	4	k.
Wuotan, str.	29 13	122 39	.87	S	2	k.
Ancona, str.	28 54	124 59	.91	SSW	4	b.
Fooksang, str.	28 43	122 5	.84	SSE	3	k.
Sunda, str.	26 39	120 52	.88	SSW	2	c.
Azamor, str.	25 25	120 37	.87	var.	1	k.
El Capitan, sh.	23 54	118 55	...	S	1	...
Empress of China, str.	23 50	118 5	.87	SSW	4	b.
Machew, str.	21 58	114 0	.81	NE	6	oq.
Frigga, str.	21 19	113 56	.79	NE/N	5	orltq.
Deuteros, str.	21 5	113 9	.76	NE	5	orq.
Phra Nang, str.	20 4	110 57	.75	NNE	4	o.
Ask, str.	20 4	110 20	.75	NE	3	o.
Saghalien, str.	18 52	112 5	.76	N	3	og.
Zafiro, str.	18 21	119 18	.80	S/E	...	b.
Chelydra, str.	17 10	113 36	.54	NE/N	5	oq.
Glenfalloch, str.	16 3	114 17	.59	SW/S	5	og.
Brindisi, str.	15 35	113 7	.66	SW	6	ofrqtl.
Sungkiang, str.	14 36	120 58	.85	var.	1	b.
Devawongse, str.	14 0	110 10	.68	NNW	4	k.
Kongbeng, str.	13 54	109 57	...	NW	2	c.
Nestor, str.	12 47	112 2	...	SW	5	o.
Salterod, bk.	10 30	110 37	...	WSW	5	c.
Elizabeth Rickmers, str.	9 58	109 56	.81	SW	5	c.
Rosetta, str.	8 37	109 1	.85	W	4	q.
Airlie, str.	8 6	121 51	.85	SW	1	c.
Shanghai, str.	7 52	108 30	.83	W	4	orq.
Pekin, str.	5 50	107 23	.88	WSW	4	opq.
Northbrook, bk.	3 12	106 57	...	S	2	k.
St. Mark, sh.	2 56	106 56	...	S	1	k.
Hinsang, str.	2 42	105 12	.87	SW/S	2	or.
August 4th.						
Empress of Japan, str.	46 24	166 42	29.79	SE	3	f.
Coptic, str.	43 32	159 27	.66	S	3	od.
H.M.S. Narcissus	41 15	140 45	.72	NW	2	c.
Menmuir, str.	32 27	127 53	.97	S/W	4	k.
Ancona, str.	32 11	129 10	.97	SW	3	b.
Wm. J. Rotch, sh.	31 43	145 53	.96	WSW	6	k.
Skarpsno, str.	29 44	123 4	...	SSW	4	o.
City of Peking, str.	28 41	124 20	.92	SSW	4	c.
Chingping, str.	28 15	121 49	.90	SSW	4	k.
Azamor, str.	27 51	123 32	.94	SW	5	k.
Wuotan, str.	26 53	120 56	.96	SW	2	k.
El Capitan, sh.	24 39	119 45	...	S	5	...
Sunda, str.	23 26	117 44	.94	SW	3	c.
Cosmopolit, str.	22 42	118 38	.92	SSE	6	c.
Chi Yuen, str.	22 31	114 50	.85	E	5	o.
Yuensang, str.	22 2	114 27	.83	SE	7	o.
Mongkut, str.	21 40	113 43	.79	ESE	6	opq.
Ask, str.	21 29	109 6	.67	NNW	4	orq.
I.M.C.C. Likin,	20 12	110 44	.54	W N	8	odg.
Brindisi, str.	18 54	113 53	.75	S	5	om.
August 4th.						
Devawongse, str.	18° 19′	111° 44′	29.69?	SW/S	6	k.
Glenfalloch, str.	17 49	115 58	...	SE/S	3	c.
Kongbeng, str.	17 42	111 2	.79?	SW	4	c.
Nestor, str.	17 13	113 32	.78	S	7	orq.
Sungkiang, str.	14 36	120 58	.92	W	1	b.
Chelydra, str.	14 1	112 14	.78	SSW	6	o.
Elizabeth Rickmers, str.	13 9	112 19	.84	S/W	4	o.
Rosetta, str.	13 4	111 55	.81	SSW	4	c.
Salterod, bk.	12 35	112 49	...	S	2	c.
Airlie, str.	11 48	121 13	.88	SSW	1	c.
Shanghai, str.	11 37	111 37	.82	SSW	3	c.
Jacob Christensen, str.	10 43	122 46	.85	W	3	o.
Clara, str.	10 22	122 0	.86	W	1	b.
Northbrook, bk.	4 42	106 45	...	S	2	k.
St. Mark, sh.	4 16	107 5	...	S	1	k.
August 5th.						
Empress of Japan, str.	48 18	174 58	29.79	var.	1	o.
Coptic, str.	45 54	166 52	.65	E	3	om.
H.M.S. Narcissus	41 15	140 45	.87	S/E	2	c.
Verona, str.	33 46	131 43	.94	var.	2	b.
Wm. J. Rotch, sh.	31 33	145 37	.95	WSW	2	k.
Azamor, str.	30 5	126 43	.97	SW	4	k.
Skarpsno, str.	27 29	121 13	...	SSW	2	k.
El Capitan, sh.	25 49	121 0	...	SW	5	k.
City of Peking, str.	25 30	120 14	.91	SSW	3	c.
Wuotan, str.	24 26	118 53	.95	SW	1	k.
Chi Yuen, str.	24 10	118 13	.92	var.	1	og.
Oopack, str.	22 23	115 15	.91	SE	2	o.
Nestor, str.	21 30	114 5	...	ESE	6	orq.
Ask, str.	21 29	109 6	.82	SSE	2	o.
Glenfalloch, str.	21 8	117 56	...	ESE	2	o.
Kongbeng, str.	20 27	113 12	...	SE	3	c.
I.M.C.C. Likin,	20 4	110 20	.82	SE	3	c.
Phra Nang, str.	20 4	110 20	.82	ENE	2	k.
Cosmopolit, str.	20 1	119 9	.92	SE	2	o.
Apenrade, str.	19 53	112 43	.85	SSE	3	k.
Oslo, str.	19 41	112 31	.87	SE	4	c.
Mongkut, str.	19 34	112 33	.90	SSE	5	c.
Yuensang, str.	19 28	116 37	.89	S/E	4	...
Rosetta, str.	18 5	113 31	.89	S	4	c.
Elizabeth Rickmers, str.	16 45	113 26	.85	SW	4	or.
Shanghai, str.	16 13	113 11	.82	SSE	3	c.
Airlie, str.	15 5	119 4	.89	SW	1	c.
Salterod, bk.	14 56	113 38	...	S	3	m.
Sungkiang, str.	14 36	120 58	.84	NW	1	c.
Clara, str.	13 20	120 13	.88	NNW	2	c.
Bisagno, str.	11 32	109 16	.88	SW	3	k.
Chelydra, str.	10 59	110 32	.86	SSW	6	c.
Northbrook, bk.	6 16	107 45	...	SSW	2	k.
Ingraban, str.	5 39	105 37	.86	SSW	4	k.
St. Mark, sh.	5 31	107 40	...	SSW	1	k.
Aglaia, str.	3 58	105 49	.89	SW	3	oq.
Kutsang, str.	3 48	105 56	.93	SW	3	k.
Flintshire, str.	3 47	105 55	.90	W	2	k.
August 6th.						
Coptic, str.	47 8	175 9	29.70	NW	4	o.
H.M.S. Narcissus	41 15	140 45	.82	SE	1	c.
Borneo, str.	35 13	139 45	.95	SW	2	c.
Ancona, str.	33 45	132 3	.91	SE	2	b.
Azamor, str.	32 30	129 58	.99	WSW	3	k.
Wm. J. Rotch, sh.	32 18	144 26	30.01	var.	4	orq.
Bombay, str.	31 7	122 1	29.83	S/E	4	c.
Meefoo, str.	30 13	122 36	.85	SSE	3	b.
El Capitan, sh.	28 4	122 50	...	SW	6	k.
Chi Yuen, str.	27 37	121 12	.91	S	3	k.
Skarpsno, str.	24 52	119 18	...	SW	1	k.
Glenfalloch, str.	24 38	120 15	...	...	0	b.
Chingping, str.	23 57	118 20	.92	SW	2	k.
Lyeemoon, str.	23 37	117 50	.92	SW	1	c.
City of Peking, str.	22 48	116 31	.93	var.	1	c.
Haitan, str.	22 31	114 50	.94	E	4	k.
China, str.	21 42	113 43	.89	S	3	k.
Ask, str.	21 29	109 6	.86	var.	3	orqtl.
Shanghai, str.	20 48	113 50	.87	E	3	cp.
I.M.C.C. Likin,	20 4	110 20	.85	S	1	c.
Phra Nang, str.	20 4	110 20	.86	...	0	k.
Elizabeth Rickmers, str.	19 59	113 38	.90	SE	4	c.
Airlie, str.	18 19	116 50	.86	N/E	2	c.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
August 6th.						
Cosmopolit, str.	17°28′	119°24′	29.84	NNE	2	c.
Apenrade, str.	17 9	110 26	.83	S/W	3	k.
Mongkut, str.	16 49	110 34	.88	S	4	c.
Oslo, str.	16 43	110 33	.83	E	2	c.
Salterod, bk.	16 33	114 33	...	S	2	c.
Jacob Christensen, str.	16 9	118 30	.83	NW	3	orq.
Clara, str.	15 55	117 49	.82	NW/W	3	c.
Sungkiang, str.	14 36	120 58	.87	NW	2	c.
Sishan, str.	9 30	103 20	.93	S	2	k.
Ingraban, str.	9 17	107 17	.88	W	3	k.
Bisagno, str.	8 28	107 47	.93	SW	2	k.
Northbrook, bk	8 19	108 56	...	W	4	k.
Chelydra, str.	7 41	108 36	.92	SW/W	4	b.
Aglaia, str.	7 33	108 1	.89	SW	3	...
Kutsang, str.	7 23	108 23	.95	W/S	3	k.
Flintshire, str.	7 17	108 23	.93	WSW	4	k.
St. Mark, sh.	7 14	108 7	...	SW	5	k.
Hong Leong, str.	3 28	105 33	...	S	3	k.
August 7th.						
H.M.S. Narcissus	41 15	140 45	29.77	SW	2	c.
Hohenzollern, str.	35 8	139 41	.96	SW	3	k.
Borneo, str.	34 2	135 2	.89	SW	3	c.
Senta, str.	33 47	136 23	...	SW	3	b.
Bombay, str.	32 10	126 39	.85	S	4	c.
Wm. J. Rotch, sh.	32 3	143 43	30.07	WSW	2	k.
Chi Yuen, str.	31 15	121 43	29.83	var.	1	op.
Verona, str.	30 27	126 42	.88	S	3	b.
Oopack, str.	27 40	121 28	.80	var.	2	k.
Lyeemoon, str.	27 11	121 8	.88	S	1	c.
Glenfalloch, str.	26 59	123 45	...	ESE	2	c.
Taiyuan, str.	24 ...	118 ...	.84	NW	3	b.
Haitan, str.	23 20	116 44	.83	...	0	...
Chingping, str.	22 38	115 41	.86	...	0	k.
Triumph, str.	21 45	113 15	.86	...	0	k.
Airlie, str.	21 40	114 28	.85	N	2	c.
Ask, str.	20 4	110 20	.84	ENE	2	o.
I.M.C.C. Likin,	19 44	111 9	.84	SE	2	c.
Jacob Christensen, str.	19 7	116 12	.79	NE	4	c.
Phra Chom Klao, str.	19 6	111 44	...	SE	2	b.
Phra Nang, str.	18 50	107 37	.78	WSW	2	o.
Clara, str.	18 34	115 55	.79	NE	4	c.
China, str.	18 26	111 26	.83	E	1	k.
Salterod, bk.	17 39	114 26	...	N	1	orq.
Sungkiang, str.	14 36	120 58	.71	NW	1	c.
Cosmopolit, str.	14 35	120 6	.69	...	0	o.
Apenrade, str.	13 29	109 32	.81	SW	4	k.
Mongkut, str.	13 2	109 33	.84	WSW	4	b.
Oslo, str.	12 45	109 32	.77	SSW	6	c.
Ingraban, str.	12 33	109 30	.80	N	3	k.
Aglaia, str.	11 23	109 54	.82	WSW	4	...
Kutsang, str.	11 0	110 44	.84	WSW	5	k.
Flintshire, str.	10 51	110 38	.86	WNW	4	c.
Northbrook, bk.	10 49	110 59	...	WSW	4	o.
Amigo, str.	10 45	108 30	.81	SW	4	k.
Siam, str.	10 24	122 7	.76	SW	5	orq.
St. Mark, sh.	9 31	109 48	...	SW	6	k.
Sishan, str.	9 19	107 2	.87	W	4	o.
Hong Leong, str.	6 28	107 36	...	WSW	4	k.
Bisagno, str.	5 11	106 26	.93	SW	2	k.
Chelydra, str.	4 29	106 14	.90	SW	3	b.
Utrecht, str.	2 32	105 8	.92	E	1	b.
August 8th.						
H.M.S. Narcissus	41 15	140 45	29.87	SW	1	c.
Ancona, str.	34 4	137 40	30.02	SW	2	k.
Braemar, str.	33 52	136 25	.04	SW	3	k.
Wm. J. Rotch, sh.	31 41	142 16	.11	SE	1	k.
Glenfalloch, str.	29 17	127 36	...	ESE	2	c.
Verona, str.	27 31	122 41	29.89	S/E	3	c.
Taiyuan, str.	27 ...	122 ...	.87	E	4	k.
Haitan, str.	24 28	118 4	...	NE	...	...
Nestor, str.	22 26	115 26	...	...	0	k.
Hupeh, str.	22 24	115 6	.75	NE	2	c.
Clara, str.	21 50	114 22	.73	NNW	2	c.
Stanfield, bk.	21 8	113 6	...	E	1	...
Ask, str.	20 33	111 20	.80	NE/E	2	c.
Triumph, str.	20 5	110 24	.73	E	...	k.
Salterod, bk.	18 39	114 25	...	N	2	c.
I.M.C.C. Likin,	18 8	109 46	.79	SW	2	c.
August 8th.						
Ingraban, str.	16°14′	108°55′	29.76	var.	2	op.
Tritos, str.	15 30	110 28	.78	N	1	k.
Phra Chom Klao, str.	15 39	109 57	...	var.	1	c.
Phra Nang, str.	15 28	109 10	.74	...	0	k.
Aglaia, str.	15 19	110 38	.77	NW	4	c.
Kutsang, str.	14 48	112 46	.77	NW	3	k.
China, str.	14 37	110 7	.77	...	0	k.
Sungkiang, str.	14 36	120 58	.61	SW	5	c.
Flintshire, str.	14 36	112 31	.76	NW	4	...
Cosmopolit, str.	14 22	120 29	.58	SW	7	or.
Siam, str.	13 31	121 33	.64	SW	4	orq.
Northbrook, bk.	13 8	112 11	...	NW	4	k.
Sishan, str.	12 1	109 20	.79	var.	2	k.
St. Mark, sh.	11 28	111 15	...	SW	4	o.
Apenrade, str.	10 29	107 42	.81	WSW	3	c.
Mongkut, str.	9 59	107 48	.83	W	5	b.
Oslo, str.	9 41	107 18	.80	W	5	c.
Hong Leong, str.	9 21	109 44	...	WSW	4	og.
Amigo, str.	8 41	106 53	.82	W	5	...
Utrecht, str.	5 11	107 1	.91	...	0	od.
Bisagno, str.	1 56	104 43	.93	var.	1	...
Chelydra, str.	1 18	104 14	.89	var.	4	b.
S. D. Carleton, sh.	0 58	106 25	...	E	2	k.
Wm. H. Smith, sh.	0 29	106 44	...	S	4	k.
August 9th.						
H.M.S. Narcissus	41 15	140 45	29.99	SE	1	c.
Borneo, str.	34 37	135 2	30.06	SW	2	c.
Diomed, str.	34 28	138 45	.13	SW	3	og.
Wm. J. Rotch, sh.	32 24	141 20	.12	var.	1	k.
Glenfalloch, str.	31 40	131 50	...	var.	1	or.
Taiyuan, str.	29 ...	126 ...	.00	SE	4	c.
Haitan, str.	26 10	119 43	29.84	NE	6	orq.
Nestor, str.	24 40	119 15	.81	NE	4	k.
Verona, str.	24 31	118 58	.75	NNE	4	b.
Gaelic, str.	23 41	117 56	.74	NE/E	4	eq.
Nanchang, str.	22 35?	114 40?	.64	NE	6-7	orq.
I.M.C.C. Kaipan	21 30	108 10	.67	SW	2	c.
Triumph, str.	21 26?	109 6?	.61	NW	5	m.
Stanfield, bk.	21 9	113 20	.45	NE	8	...
Hanoi, str.	20 15	111 10	.67	WNW	6	orq.
Ingraban, str.	19 37	108 43	.71	var.	2	k.
Aglaia, str.	18 58	112 6	.62	NW	6-7	oglr.
Salterod, bk.	18 57?	115 13?	...	NNW	11	orq.
Tritos, str.	18 47	111 54	.67	NW	5-8	or.
Orestes, str.	18 22	114 0	...	NW	9	orq.
Flintshire, str.	18 17	113 30	.48	W/N	8-9	...
I.M.C.C. Likin,	18 12	109 33	.66	NW	2	c.
Kutsang, str.	17 27	113 34	.51	WSW	8-9	...
Northbrook, bk.	16 2	113 25	...	WNW	6	q.
Siam, str.	15 23	119 17	.80	SSW	6	orq.
Sishan, str.	15 8	110 22	.69	WSW	4	o.
Sungkiang, str.	14 36	120 58	.80	var.	1	opq.
St. Mark, sh.	13 22	111 45	...	SSW	5	o.
Phra Nang, str.	12 52	109 25	.78	WSW	3	k.
Hong Leong, str.	12 36	111 44	...	SSW	2	og.
Phra Chom Klao, str.	11 29	109 9	...	SW/S	4	c.
China, str.	10 56	108 29	.77	SW/W	5	o.
Oslo, str.	8 40	104 20	.93	WSW	4	cp.
Mongkut, str.	8 22	104 58	.86	W	4	cp.
Utrecht, str.	8 16	108 43	.82	WNW	6	orq.
Amigo, str.	5 48	105 54	.85	SW	4	o.
S. D. Carleton, sh.	2 2	106 54	...	S	4	k.
Wm. H. Smith, sh.	1 41	107 2	...	S	4	k.
Dardanus, str.	1 25	104 29	.93	S	1	...
August 10th.						
H.M.S. Narcissus	41 15	140 45	30.04	SE	1	c.
Braemar, str.	34 27	134 3	.04	...	0	k.
Glenfalloch, str.	34 12	134 58	...	var.	2	orq.
Borneo, str.	34 0	129 59	.05	NW	1	c.
Bombay, str.	33 42	132 3	.06	E/S	1	c.
Wm. J. Rotch, sh.	33 26	141 17	.05	E	2	k.
Taiyuan, str.	30 ...	131 ...	.03	N	1	k.
Fooksang, str.	28 29	121 50	29.85	SSE	3	k.
Nestor, str.	28 25	122 7	...	E	5	k.
Gaelic, str.	27 19	122 33	.89	E	3	c.
Haitan, str.	26 10	119 43	.86	...	0	...
Nanchang, str.	22 32	114 55	.80	E	4	o.
Verona, str.	22 21	114 59	.79	ESE	4	cmrg.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
August 10th.						
Keong Wai, str.	21° 54′	113° 58′	29.78	SE/E	6	oq.
I.M.C.C. Kaipan	21 30	108 10	.47	N	8	or.
Triumph, str.	21 29	109 5	.34	ENE	10	...
Stanfield, bk.	21 23	113 10	...	E/S	2	...
Aglaia, str.	20 50	114 7	.77	SE	5	c.
Kutsang, str.	20 31	114 34	.76	ESE	4	...
Hanoi, str.	20 12	110 29	.59?	SW	6	...
Ingraban, str.	20 4	110 20	.56	S	4	oq.
Tritos, str.	20 1	112 13	.61	S	8-7	...
Salterod, bk.	19 30	115 12	...	SSE	7	c.
Sishan, str.	18 16	111 45	.65	SSW	4	q.
I.M.C.C. Likin	18 12	109 33	.59	E	5	og.
Siam, str.	17 46	117 26	.85	SSW	6	orq.
Northbrook, bk.	17 41	113 46	...	SSE	6	o.
Hong Leong, str.	15 56	113 10	...	NW	3	...,
St. Mark, sh.	15 24	113 32	...	SSW	4	k.
Orestes, str.	15 11?	114 45?	...	SSW	4	c.
Sungkiang, str.	14 36	120 58	.88	SW	2	c.
Utrecht, str.	11 48	110 7	.74	WSW	5	c.
Oslo, str.	11 8	101 38	.85	W	5	o.
Mongkut, str.	10 37	102 21	.88	WNW	4	or.
Phra Chom Klao, str.	9 4	106 34	...	W	5	o.
Dardanus, str	5 15	106 33	.93	SSW	3	k.
S. D. Carleton, sh.	3 50	107 5	...	...	4	k.
Wm. H. Smith, sh.	3 28	107 7	...	S	5	k.
Amigo, str.	3 9	104 42	.86	S	4	k.
August 11th.						
Empress of India, str.	50 12	177 58	29.98	WSW	3	of.
H.M.S. Narcissus,	41 15	140 45	.96	...	0	c.
Yarra, str.	34 26	134 5	.96	...	0	c.
Taiyuan, str.	34 ...	136 ...	30.00	NE	3	k.
Wm. J. Rotch, sh.	33 48	140 24	29.98	ENE	2	k.
Hohenzollern, str.	33 41	132 4	.98	N	1	k.
Braemer, str.	33 38	129 50	30.00	NE	4	k.
Borneo, str.	32 18	125 30	29.94	SW	1	c.
Gaelic, str.	30 52	127 18	.93	E	1	c.
Haitan, str.	26 10	119 42	.86	NE	1	...
Fooksang, str.	25 21	119 54	.86	NNW	3	k.
Nanchang, str.	24 3	118 22	.82	NE	2	k.
Sabine Rickmers, str.	23 41	117 46	.80	NNE	1	...
I.M.C.C. Kaipan	21 30	108 10	.71	E	4	c.
Triumph, str.	21 29	109 5	.73	E/S	5	o.
Siam, str.	21 7	115 6	.84	var.	3	b.
Salterod, bk.	21 1	114 28	...	E	2	m.
Sishan, str.	20 55	113 35	.79	SE	3	k.
Ingraban, str.	20 19	110 58	.75	SE	4	pq.
Hong Leong, str.	19 44	113 55	...	SE	3	k.
Keong Wai, str.	19 7	112 17	.76	SSE	4	c.
Northbrook, bk.	19 1	113 49	...	SE/S	2	k.
I.M.C.C. Likin	18 7	109 32	.75	E	1	o.
St. Mark, sh.	16 51	114 37	...	SSE	1	k.
Utrecht, str.	14 57	109 26	.71	SW	3	c.
Sungkiang, str.	14 36	120 29	.86	SW	3	c.
Orestes, str.	12 30	112 7	.76	SW	5	c.
Phra Nang, str.	10 6	108 15	.85	W/S	4	k.
Chowfa, str.	10 0	102 31	.85	SW	4	o.
Dardanus, str.	8 58	109 14	.88	SW	3	k.
Phra Chom Klao, str.	8 58	103 41	...	SW	3	c.
S. D. Carleton, sh.	5 51	107 11	...	S	4	k.
Wm. H. Smith, sh.	5 40	107 11	...	SSW	4	o.
Victoria, str.	3 43	105 26	...	S	3	k.
Tientsin, str.	1 14	104 50	.88	SW	5	k.
August 12th.						
Empress of India, str.	48 59	169 20	30.06	W	4	om.
H.M.S. Narcissus	41 15	140 45	29.91	NW	1	c.
Wm. J. Rotch, sh.	34 7	139 44	...	var.	1	k.
Yarra, str.	33 8	127 46	.87	...	0	c.
Nanshan, str.	31 14	127 31	...	ENE	4	k.
Meefoo, str.	28 28	121 58	.80	SE	1	b.
Chi Yuen, str.	28 23	121 55	.84	var.	1	og.
Nanchang, str.	26 4	120 18	.80	NE	2	k.
Haitan, str.	25 58	120 2	.78	NE	4	k.
Glenavon, str.	22 14	114 21	.80	var.	2	b.
Ask, str.	21 51	113 41	.80	...	0	o.
Shantung, str.	21 41	114 5	.79	SW	2	o.
Wuotan, str.	21 4	115 16	.79	...	...	k.
Northbrook, bk.	19 46	114 11	...	...	0	k.
I.M.C.C. Likin	18 40	110 28	.78	NNW	1	c.
August 12th.						
Brindisi, str.	18° 22′	113° 49′	29.77	...	0	o.
Utrecht, str.	17 59	108 7	.76	W	3	or.
St. Mark, sh.	17 29	114 15	...	NE	1	k.
Sungkiang, str.	16 46	119 32	.73	NW	3	b.
Keong Wai, str.	15 55	110 20	.76	NW	3	b.
Kongalf, str.	15 45	118 54	...	NW	2	opq.
Dardanus, str.	12 25	111 55	.81	WSW	3	k.
Orestes, str.	9 16	109 48	.80	WSW	4	c.
Chowfa, str.	8 41	106 9	.87	S	2	k.
S. D. Carleton, sh.	7 59	108 0	...	SW	4	k.
Wm. H. Smith, sh.	7 42	107 6	...	W	...	...
Victoria, str.	7 22	106 43	...	SW	4	c.
Phra Nang, str.	7 7	107 1	.88	WSW	3	k.
Catherine Apear, str.	4 18	105 48	.84	...	0	k.
August 13th.						
Empress of India, str.	46 49	161 21	30.01	WSW	3	f.
H.M.S. Narcissus	41 15	140 45	29.91	SE	2	c.
Wm. H. Rotch, sh.	34 10	139 50	.59	ENE	1	k.
Bombay, str.	34 1	137 26	.89	ENE	2	c.
Menmuir, str.	33 43	131 40	.89	var.	3	k.
Riojun Maru, str.	32 18	132 45	.91	NE	2	b.
Hohenzollen, str.	29 53	126 4	.88	SE	4	k.
Nanchang, str.	29 49	122 55?	.76	SE	1	k.
Hupeh, str.	28 23	122 56	.79	ESE	3	c.
Meefoo, str.	25 19	119 52	.75	E	2	b.
Chi Yuen, str.	25 16	119 45	.77	E/N	3	o.
Haitan, str.	24 28	118 4	.68	...	0	...
Glenavon, str.	24 0	118 22	.77	N	3	b.
Orono, str.	22 8	114 4	.75	...	0	k.
Sungkiang, str.	21 1	118 49	.72	N	3	b.
Hanoi, str.	20 39	107 20	.71	...	0	...
Northbrook, bk.	20 34	114 53	...	...	0	k.
Utrecht, str.	20 6	110 10	.73	ENE	2	c.
Ask, str.	20 5	110 10	.75	var.	2	o.
Lightning str.	19 6	113 35	.76	...	0	...
St. Mark, sh.	18 49	114 12	...	...	0	k.
Shantung, str.	18 31	111 17	.74	SSW	1	c.
Kongalf, str.	18 25	116 25	...	...	0	k.
I.M.C.C. Likin	18 25	110 24	.76	WNW	1	c.
Wuotan, str.	17 44	114 3	.75	...	...	k.
Dardanus, str.	16 38	113 13	.73	NE	1	k.
Brindisi, str.	14 27	112 30	.75	var.	2	erq.
Keong Wai, str.	12 6	109 22	.75	S	4	b.
Chowfa, str.	11 33	109 11	.76	SW	2	o.
Victoria, str.	10 52	108 17	...	W	4	c.
S. D. Carleton, sh.	10 14	110 10	.76	W	5	k.
Wm. H. Smith, sh.	9 33	110 6	...	SW	4	k.
Taichiow, str.	9 13	103 20	.88	W	2	c.
Catherine Apear, str.	7 32	108 32	.85	W	2	k.
Orestes, str.	5 50	107 0	.85	WSW	3	o.
Phra Nang, str.	4 4	105 26	.92	...	0	..:
Ghazee, str.	3 52	105 58	.88	SE	3	k.
August 14th.						
Empress of India, str.	44 17	153 55	30.02	SW	2	f.
H.M.S. Narcissus	41 15	140 45	29.84	SSE	1	c.
Nanchang, str.	33 25	122 57	.62	S	4	k.
Menmuir, str.	32 33	127 47	.78	S	6	o.
Hupeh, str.	30 46	126 40	.77	ESE	3	c.
Fushun, str.	30 27	122 24	.73	S	2	k.
Riojun Maru, str.	29 49	128 37	.81	E	4	c.
Empress of China, str.	28 6	121 45	.73	var.	1	b.
Glenavon, str.	27 9	121 31	.78	NE	3	c.
Hohenzollern, str.	26 30	121 40	.73	SW	2	k.
Sungkiang, str.	24 28	118 4	.74	N	3	b.
Haitan, str.	23 20	116 44	.73	...	0	k.
Chi Yuen, str.	22 56	116 28	.76	var.	1	k.
Dardanus, str.	21 2	113 49	.78	E	1	k.
Northbrook, bk.	20 31	113 53	...	...	0	k.
Utrecht, str.	20 27	111 18	.76	E	2	c.
Orono, str.	19 36	112 41	.76	var.	1	...
St. Mark, sh.	18 51	114 4	...	...	0	k.
I.M.C.C. Likin	18 24	110 17	.76	S	1	or.
Lightning, str.	15 26	112 47	.76	SSW	2	k.
Chowfa, str.	15 7	109 11	.77	NW	2	k.
Shantung, str.	14 36	109 45	.75	...	0	k.
Wuotan, str.	14 33	112 35	.75	SE	2	k.
Victoria, str.	13 56	109 45	...	SW	3	k.
S. D. Carleton, sh.	12 12	111 12	...	var.	1	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
August 14th.						
Wm. H. Smith, sh.	11° 14′	112° 34′	...	SW	3	k.
Brindisi, str.	11 8	110 25	29.77	WSW	4	c.
Decima, str.	9 56	107 56	.81	W	4	...
Keong Wai, str.	9 22	107 6	.81	NNW	5	orq.
Taichiow, str.	9 16	106 43	.89	WSW	4	c.
Ghazee, str.	7 13	108 8	.84	SW	6	k.
Pingsuey, str.	3 47	105 36	.92	SSW	3	c.
Tientsin, str.	3 21	105 30	.93	S	2	k.
Orestes, str.	1 52	104 38	.88	SSE	3	b.
Phra Nang, str.	1 17	104 19	.92	S	3	...
August 15th.						
H.M.S. Narcissus	41 15	140 45	29.73	SE	1	c.
Empress of India, str.	41 7	147 13	.98	SSW	3	c.
Nanchang, str.	37 1	122 51	.62	NW	2	k.
Taiyuan, str.	35 ...	139 ...	.78	E	1	c.
Diomed, str.	34 25	134 17	.73	SSW	3	k.
Senta, str.	31 53	132 21	...	SSE	3	c.
Braemar, str.	31 36	125 10	.72	var.	4	or.
Glenavon, str.	31 5	122 5	.73	NE	4	g.
Borneo, str.	30 15	122 35	.64	ENE	2	c.
Azamor, str.	30 14	128 4	.69	SW	2	k.
Menmuir, str.	29 42	124 41	.69	SW	4	k.
Riojun Maru, str.	27 53	124 36	.64	W	1	b.
Fushun, str.	27 17	120 46	.70	SW	2	k.
Sungkiang, str.	24 28	118 4	.65	SE	2	b.
Verona, str.	24 11	118 41	.73	S	1	c.
Hohenzollern, str.	23 20	117 20	.69	SW	2	k.
Northbrook, bk.	20 28	114 18	...	...	0	k.
St. Mark, sh.	19 2	114 12	...	W	1	...
Chowfa, str.	19 2	108 22	.75	var.	1	k.
I.M.C.C. Likin	18 12	109 33	.72	SSE	1	c.
Orono, str.	17 50	111 10	.77	WSW	2	...
Victoria, str.	17 40	110 38	...	var.	1	k.
Catherine Apcar, str.	14 57	112 48	.78	...	0	k.
S. D. Carleton, sh.	13 4	111 27	...	SSW	2	k.
Wm. H. Smith, sh.	12 46	113 2	...	SW	3	k.
Lightning, str.	12 40	110 41	.74	SW	4	k.
Taichiow, str.	11 58	109 19	.77	SW	2	c.
Wuotan, str.	11 44	110 32	.75	SW	1	k.
Shantung, str.	10 47	108 30	.75	SW	4	c.
Ghazee, str.	10 38	110 38	.74	W	4	k.
Brindisi, str.	8 11	108 48	.80	W/S	6	ogq.
Decima, str.	7 19	106 27	.85	SW	4	...
Pingsuey, str.	7 15	108 0	.86	SW	4	c.
Keong Wai, str.	6 20	105 56	.85	WSW	3	c.
Tientsin, str.	6 15	107 29	...	SW	5	k.
August 16th.						
H.M.S. Narcissus	41 15	140 45	29.70	S	1	c.
Nanchang, str.	38 35	119 1	.72	NE	1	k.
Empress of India, str.	37 25	141 29	.80	S	1	k.
Pathan, str.	34 40	135 11	...	var.	var.	...
Nanshan, str.	33 50	131 21	...	NE	2	k.
Hupeh, str.	33 45	130 5	.62	NE	3	c.
Empress of China, str.	31 25	124 14	.63	NNE	4	b.
Asloun, str.	30 24	127 0	.67	NE	1	o.
Senta, str.	29 54	128 6	...	NE	4	c.
Paul Revere, sh.	29 37	123 43	...	NW	3	k.
Azamor, str.	29 13	125 11	.61	NW	2	k.
Lyeemoon, str.	28 5	121 39	.66	NE/N	3	c.
Verona, str.	27 20	122 48	.67	N/W	3	cp.
Menmuir, str.	26 59	121 33	.65	NW/W	3	k.
Borneo, str.	26 12	120 17	.64	var.	1	c.
Riojun Maru, str.	25 32	120 19	.67	SW	2	c.
Fushun, str.	24 13	118 35	.67	...	0	o.
Sungkiang, str.	22 49	116 24	.64	WSW	2	b.
Chingping, str.	22 27	115 10	.64	SW/W	3	k.
Dardanus, str.	22 25	115 20	.70	SW	3	k.
Victoria, str.	20 49	113 4	...	var.	2	k.
Ingraban, str.	20 27	112 50	.70	SW	3	c.
St. Mark, sh.	19 43	114 8	...	W	1	k.
Catherine Apcar, str.	18 26	113 37	.73	...	0	k.
I.M.C.C. Likin	18 12	109 33	.71	SW	1	c.
Taichiow, str.	15 23	110 16	.72	S	2	c.
Ghazee, str.	14 42	112 52	.77	SSW	3	k.
Wm. H. Smith, sh.	14 22	113 16	...	S	4	k.
S. D. Carleton, sh.	14 14	111 54	...	SSW	2	k.
Orono, str.	13 33	110 15	.71	SSW	3	...
Apenrade, str.	12 15	109 26	.73	var.	4	k.
August 16th.						
Pingsuey, str.	10° 46′	110° 43′	29.76	WSW	6	o.
Lightning, str.	9 33	109 40	.77	SW	5	o.
Tientsin, str.	9 23	109 54	.78	SW	5	oq.
Wuotan, str.	9 1	109 41	.78	WSW	4	or.
Brindisi, str.	5 37	106 32	.82	SW/S	4	c.
Phra Nang, str.	4 18	104 7	.87	SSW	3	k.
Decima, str.	4 16	105 37	.87	S	4	o.
Keong Wai, str.	3 10	104 52	.85	S	4	c.
August 17th.						
H.M.S. Narcissus	41 15	140 45	29.78	NW	1	c.
Pathan, str.	34 40	135 11	...	ENE	3	op.
Nanshan, str.	34 32	134 37	...	E	4	p.
Hupeh, str.	34 23	133 48	.56	E	5	op.
Oopack, str.	31 26	125 27	.53	ENE	5	orq.
Mount Lebanon, str.	30 54	178 24	30.13	NW	4	c.
Verona, str.	30 15	126 36	29.48	N/W	4	c.
Asloun, str.	28 4	123 21	.60	N	6	k.
Senta, str.	27 46	123 44	...	NNW	5	c.
Azamor, str.	27 8	122 24	.61	NNW	5	k.
Paul Revere, sh.	26 59	121 23	...	N	4	k.
Lyeemoon, str.	24 36	119 8	.68	ENE	2	o.
Dardanus, str.	24 33	119 25	.71	E	1	k.
Menmuir, str.	24 10	118 40	.67	SW?	3	o.
Chingping, str.	24 0	118 23	.64	...	0	k.
Riojun Maru, str.	22 51	116 42	.70	SW	3	c.
Chowfa, str.	22 7	114 0	.69	SW	2	k.
Catherine Apcar, str.	21 26	113 53	.72	...	0	k.
St. Mark, sh.	21 10	113 48	...	var.	1	...
Taichiow, str.	19 2	111 40	.70	SE	3	c.
Ghazee, str.	19 1	113 42	.74	SW	3	k.
I.M.C.C. Likin	18 12	109 33	.68	E	1	c.
Ingraban, str.	17 10	110 48	.70	S/E	3	k.
Wm. H. Smith, sh.	16 16	113 15	...	S	4	k.
S. D. Carleton, sh.	15 50	113 20	...	S	4	k.
Apenrade, str.	15 24	110 26	.71	S	3	k.
Pinsuey, str.	14 52	113 3	.78	WSW	4	c.
Tientsin, str.	13 4	111 54	.76	SW	6	k.
Orono, str.	11 54	109 24	.70	SW	2	...
Phra Nang, str.	8 3	102 50	.81	SW	4	o.
Wuotan, str.	7 12	107 54	.85	SW	1	or.
Lightning, str.	6 52	108 18	.88	W	4	or.
Brindisi, str.	2 37	104 39	.90	S	4	crq.
Decima, str.	1 36	104 29	.90	S	4	c.
August 18th.						
H.M.S. Narcissus	41 15	140 45	29.81	SE/E	7	c.
Hupeh, str.	34 40	135 11	.26	SE	8	oq.
Pathan, str.	34 40	135 11	...	S	8	...
Nanshan, str.	34 40	135 11	...	ESE	6	og.
Empress of China, str.	34 33	130 25	.24	N	10	or.
Empress of India, str.	33 41	136 11	.51	S/E	7-8	orq.
Verona, str.	32 24	129 22	.47	NNW	6	c.
Mount Lebanon, str.	32 8	174 1	30.02	W/N	5	cr.
Dardanus, str.	28 19	122 3	29.80	var.	1	...
Chingping, str.	26 32	120 50	.72	var.	1	...
Paul Revere, sh.	26 20	121 0	...	...	0	k.
Asloun, str.	25 32	120 5	.73	var.	1	k.
Senta, str.	25 18	120 13	...	S	1	c.
Azamor, str.	25 3	119 36	.73	SSW	4	k.
Kongbeng, str.	22 26	113 59	.75	SW	3	k.
Lyeemoon, str.	22 25	115 10	.74	SW	2	c.
Menmuir, str.	22 25	115 15	.74	WSW	5	k.
Taichiow, str.	22 0	114 1	.77	SW	2	c.
Hanoi, str.	20 50	107 40	.71	...	0	...
Chingtu, str.	20 29	115 40	.78	S	4	c.
I.M.C.C. Likin	19 56	111 10	.73	SE	1	c.
Pingsuey, str.	19 17	113 26	.80	S	3	b.
Apenrade, str.	18 46	112 0	.75	SE	3	k.
Wm. H. Smith, sh.	18 29	113 46	...	SSE	5	k.
S. D. Carleton, sh.	18 0	113 48	...	S	4	k.
Tientsin, str.	17 2	113 19	.77	S	4	k.
Ingraban, str.	13 54	110 2	.74	SSW	5	k.
Orono, str.	10 22	107 43	.80	WSW	3	...
Wuotan, str.	4 35	106 8	.91	W	2	or.
Lightning, str.	3 58	106 6	.91	var.	5	opq.
Hiroshima Maru, str.	1 56	102 26	.91	SE	4	o.
August 19th.						
H.M.S. Narcissus	41 15	140 45	29.91	SE	1	o.
Hupeh, str.	34 40	135 11	.88	...	...	...

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
August 19th.						
Nanshan, str.	34° 40′	135° 11′	29.90	S	2	k.
Empress of India, str.	34 37	135 1	.92	SW	1	k.
Mount Lebanon, str.	33 4	169 13	30.04	N/W	4	clr.
Chingping, str.	29 15	122 27	29.86	var.	...	k.
Paul Revere, sh.	25 12	120 10	...	var.	1	k.
Asloun, str.	23 8	117 14	.78	S	1	k.
Azamor, str.	23 7	117 10	.81	SSW	3	k.
Senta, str.	22 58	116 52	...	SSW	1	c.
Strathallan, str.	22 12	114 2	.79	ESE	4	k.
Wm. H. Smith, sh.	21 11	113 32	...	SSE	4	k.
Tientsin, str.	20 53	113 46	.77	SE	2	k.
Ask, str.	20 37	111 31	.76	E	3	op.
I.M.C.C. Likin	20 4	110 20	.74	NW	1	c.
S. D. Carleton, sh.	19 45	113 45	...	SE	4	k.
Kongbeng, str.	18 55	112 0	.74	SSE	2	k.
Chingtu, str.	16 41	118 16	.83	S/W	4	c.
Ingraban, str.	10 42	108 34	.74	WSW	5	orq.
Keong Wai, str.	4 39	103 46	.87	SW	2	c.
Hiroshima Maru, str.	3 17	105 23	.90	SE	4	c.
Belle of Bath, sh.	2 22	105 16	...	SSW	...	o.
Wuotan, str.	1 55	104 36	.90	S	1	...
August 20th.						
H.M.S. Narcissus	41 15	140 45	30.09	...	0	c.
Nanshan, str.	34 40	135 12	...	SSE	2	k.
Empress of China, str.	34 28	138 42	.14	SE	4	b.
Ancona, str.	33 59	130 53	.05	var.	1	b.
Mount Lebanon, str.	33 54	164 31	.02	N/W	4	c.
Diomed, str.	33 51	129 30	.10	S	2	k.
Verona, str.	33 48	132 8	.10	ENE	2	c.
Empress of India, str.	33 20	129 25	.04	SW	2	k.
Hupeh, str.	33 32	136 10	.12	E	2	c.
Chingping, str.	32 12	123 0	29.94	SE	3	op.
Paul Revere, sh.	25 8	119 56	...	NW	2	k.
Fooksang, str.	24 45	119 16	.91	NE	1	k.
Ghazee, str.	23 27	117 40	.88	SE	2	k.
Pingsuey, str.	23 26	117 34	.90	E	3	b.
Borneo, str.	22 27	115 16	.87	SSE	2	c.
Sungkiang, str.	20 48	115 30	.85	SE	3	b.
Taicheong, str.	20 30	115 32	.83	SSE	3	c.
Strathallan, str	20 15	110 43	.79	SE	4	k.
I.M.C.C. Likin	20 4	110 20	.77	SE	2	c.
Kutsang, str.	18 59	113 33	.77	SSE	3	c.
Kongbeng, str.	15 38	110 15	.76	SSW	3	...
Chingtu, str.	12 52	120 39	.86	SE	2	c.
China, str.	12 20	109 27	.77	E	1	k.
Keong Wai, str.	8 21	102 16	.86	W	5	o.
Ingraban, str.	8 11	106 36	.82	W	6	orq.
Hiroshima Maru, str.	7 7	107 43	.86	W	6	op.
Belle of Bath, sh.	4 8	106 8	...	SW	5	or.
Bayern, str.	2 3	104 55	.93	SSW	3	c.
August 21st.						
H.M.S. Narcissus	41 15	140 45	29.99	SE	1	c.
Chingping, str.	35 25	122 50	.86	S/E	4	or.
Nanshan, str.	34 40	135 11	...	SSE	2	k.
Mount Lebanon, str.	34 21	159 28	30.00	NNW	4	c.
Empress of India, str.	32 31	128 39	.08	...	0	k.
Diomed, str.	31 59	124 14	29.97	S	4	c.
Fooksang, str.,	28 6	121 15	.92	...	0	k.
Pingsuey, str.	26 35	120 34	.92	N	4	b.
Ghazee, str.	26 29	120 39	.93	NE	3	k.
Meefoo, str.	26 5	120 23	.95	NNW	5	b.
Paul Revere, sh.	23 45	118 5	...	E	5	k.
Chi Yuen, str.	23 14	116 47	.86	NE	3	k.
Chunshan, str.	20 43	115 35	.89	E	3	k.
Hanoi, str.	20 20	111 0	.78	SE	3	k.
I.M.C.C. Likin	20 4	110 20	.82	ENE	2	or.
Sungkiang, str.	17 26	117 54	.83	SE	2	c.
Taicheong, str.	16 54	113 34	.80	ESE	4	c.
China, str.	15 59	110 13	.78	SE	2	k.
Kutsang, str.	15 28	112 59	.78	S/W	1	c.
Kongbeng, str.	11 47	109 17	.76	SW	3	...
Keong Wai, str.	11 40	101 7	.83	WNW	3	op.
Hiroshima Maru, str.	10 35	110 47	.81	W	5	c.
Mongkut, str.	9 16	103 23	.90	W	3	c.
Chingtu, str.	8 39	121 52	.88	SW	7	oq.
Oslo, str.	8 36	105 37	.85	W	4	p.
August 21st.						
Bayern, str.	6° 32′	107° 26′	29.89	W	3	oq.
Ingraban, str.	4 46	105 38	.84	W	4	o.
Freiburg, sh.	0 38	104 30	...	SW	...	...
August 22nd.						
H.M.S. Narcissus	41 15	140 45	29.97	WSW	1	c.
Chingping, str.	37 42	121 57	.94	WNW	3	k.
Empress of China, str.	37 15	144 49	30.01	SW	3	b.
Nanshan, str.	34 40	135 11	...	SE	3	k.
Mount Lebanon, str.	34 37	154 41	29.92	NNW	3	c.
Verona, str.	34 4	137 32	30.05	E	1	c.
Glenavon, str.	31 22	123 50	29.93	SE	3	c.
Empress of India, str.	31 9	121 58	.93	S	3	k.
Pingsuey, str.	30 21	122 33	.93	N	3	cm.
Ancona, str.	29 59	125 59	.91	ESE	2	k.
Meefoo, str.	29 43	122 31	.88	E	2	cl.
Chi Yuen, str.	25 26	120 0	.85	NNE	3	o.
Paul Revere, sh.	22 45	116 40	...	N	2	k.
Borneo, str.	22 17	114 6	.84	SE	2	c.
Strathallan, str.	20 58	107 4	.80	SSE	4	op.
Bayern, str.	19 33	110 6	.81	SW	4	c.
China, str.	19 20	112 2	.81	ESE	4	o.
I.M.C.C. Likin	18 48	110 34	.80	ESE	2	cp.
Chunshan, str.	17 1	113 27	.80	ESE	2	k.
Hiroshima Maru, str.	14 39	113 2	.79	var.	2	c.
Sungkiang, str.	14 22	120 29	.85	W	2	or.
Taicheong, str.	13 35	111 35	.76	S/E	3	c.
Kutsang, str.	12 13	111 2	.76	SW	4	c.
Oslo, str.	10 58	108 34	.83	WSW	4	c.
Mongkut, str.	9 17	106 55	.85	W	4	cp.
Kongbeng, str.	9 11	106 55	...	SW	3	...
Shantung, str.	7 20	108 20	.86	SW	5	o.
Belle of Bath, sh.	7 8	108 22	...	W	...	orq.
Chingtu, str.	4 35	123 35	.90	S	5	ok.
Ingraban, str.	1 30	104 32	.84	SE	4	orq.
Freiburg, sh.	1 11	104 13	...	S	4	...
August 23rd.						
Victoria, str.	50 2	177 45	29.88	NW	5	k.
H.M.S. Narcissus	41 15	140 45	.89	SE	1	c.
Empress of China, str.	40 24	151 12	30.00	S	2	b.
Hupeh, str.	34 58	140 27	29.98	var.	2	c.
Mount Lebanon, str.	34 46	149 40	.95	var.	2	c.
Nanshan, str.	34 40	135 11	...	E	4	og.
Taiyuan, str.	34 ...	132 ...	.92	SE	4	o.
Onsang, str.	33 17	128 41	.90	S	1	op.
Glenavon, str.	32 33	128 33	.92	ENE	3	or.
Nestor, str.	31 25	124 16	...	E	4	o.
Empress of India, str.	28 45	122 14	.88	N	2	k.
Chi Yuen, str.	28 43	121 56	.86	NNE	2	o.
Ravenna, str.	27 30	121 28	...	NE	3	b.
Ancona, str.	26 39	121 51	.83	E	2	k.
Paul Revere, sh.	22 29	115 50	...	E	1	...
Ask, str.	21 46	113 34	.85	...	0	o.
Strathallan, str.	20 58	107 4	.76	S	4	op.
Amara, str.	19 46	112 24	.80	ESE	2	k.
Menmuir, str.	19 19	115 39	.79	SE/E	4	k.
Hiroshima Maru, str.	19 4	113 52	.80	NE	3	c.
I.M.C.C. Likin	18 12	109 33	.80	E	1	c.
Borneo, str.	17 34	113 30	.79	SE	2	c.
Bayern, str.	16 49	111 2	.79	SE	2	c.
Sungkiang, str.	14 22	120 29	.87	W	2	or.
Chunshan, str.	13 37	111 29	.75	SW	3	k.
Oslo, str.	13 35	109 49	.76	...	0	c.
Mongkut, str.	12 5	109 21	.82	S	2	bv.
Taicheong, str.	10 23	110 37	.82	SW/W	6	c.
Kutsang, str.	9 24	109 21	.77	SW W	6	cq.
Belle of Bath, sh.	9 12	110 34	...	WSW	5	o.
Kongbeng, str.	8 36	104 25	...	W	3	o.
Phra Chom Klao, str.	8 26	105 13	...	W	3	c.
Shantung, str.	3 39	108 49	.92	WSW	4	orq.
Decima, str.	3 23	105 0	.88	SW	4	orqlt.
Chingtu, str.	0 43	125 42	.94	S W	5	c.
August 24th.						
Empress of China, str.	43 8	158 12	29.98	SSE	6	c.
H.M.S. Narcissus	41 39	140 35	.81	SW	3	c.
Hupeh, str.	37 27	145 0	.96	...	0	c.
Mount Lebanon, str.	35 1	144 41	.94	var.	2	c.
Nanshan, str.	33 54	131 36	...	WSW	2	k.
Nestor, str.	32 36	129 14	...	SE	2	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
August 24th.						
Onsang, str.	31° 18′	125° 51′	29.85	ENE	4	c.
Empress of India, str.	24 15	118 29	.80	NNE	3	k.
Ancona, str.	23 30	117 47	.78	NNE	4	k.
Ravenna, str.	22 40	117 54	...	var.	3	c.
Bayern, str.	21 43	113 50	.81	NNW	1	o.
Strathallan, str.	20 58	107 4	.81	SSE	4	c.
Ask, str.	20 4	110 20	.82	...	0	o.
I.M.C.C. Likin	18 12	109 33	.81	SE	1	c.
Oslo, str.	16 56	110 36	.78	...	0	q.
Amara, str.	16 29	110 28	.76	SSE	2	k.
Menmuir, str.	16 18	118 0	.75	SE/S	3	k.
Mongkut, str.	15 24	110 28	.80	W	2	bv.
Sungkiang, str.	14 22	120 29	.87	W	1	p.
Borneo, str.	13 27	111 55	.79	SW	4	c.
Belle of Bath, sh.	11 51	112 40	...	W	4	o.
Phra Chom Klao, str.	10 44	108 29	...	W	4	c.
Chunshan, str.	10 41	109 56	.80	SW	6	k.
Phra Nang, str.	10 40	102 12	.86	SW	4	k.
Orono, str.	8 34	107 48	.85	W	5	o.
Decima, str.	7 5	106 17	.87	SW	...	or.
Taicheong, str.	7 2	109 35	.88	WSW	8	oq.
Kutsang, str.	6 39	107 59	.82	SW/W	4	k.
Shantung, str.	0 12	108 4	.94	S	4	o.
August 25th.						
Empress of China, str.	45 32	165 22	29.91	E	7	orq.
H.M.S. Narcissus	43 0	139 43	30.08	NE	2	c.
Hupeh, str.	39 39	149 5	29.93	ENE	7-8	cq.
Mount Lebanon, str.	34 50	140 17	.92	NNW	2	c.
Bombay, str.	34 1	136 42	.89	NE	4	b.
Glenavon, str.	33 55	130 55	.95	NE	6	c.
Taiyuan, str.	32 ...	127 ...	.89	E/N	4	o.
Onsang, str.	29 27	123 0	.82	SE	2	c.
Lyeemoon, str.	23 25	117 10	.77	NE	3	c.
Ask, str.	21 29	109 5	.77	WSW	2	o.
Strathallan, str.	20 6	109 39	.78	NNW	4	k.
Oslo, str.	19 58	112 23	.74	...	0	q.
I.M.C.C. Likin	17 46	109 22	.77	WNW	1	c.
Sungkiang, str.	14 22	120 29	.79	W	2	or.
Belle of Bath, sh.	14 8	113 4	...	WNW	1	o.
Phra Chom Klao, str.	13 49	109 58	...	WNW	2	c.
Menmuir, str.	13 19	120 17	.75	SSW	6	orq.
Amara, str.	12 55	110 12	.76	SW	4	o.
Borneo, str.	9 50	110 10	.84	SW	7	cq.
Phra Nang, str.	8 25	105 8	.86	SW/W	3	or.
Chunshan, str.	7 56	108 44	.86	SW	4	k.
Orono, str.	6 19	108 3	.92	SW	5	or.
Taicheong, str.	4 13	106 45	.90	SW/S	4	cm.
Kutsang, str.	3 48	105 36	.84	SSW	3	c.
Siam, sh.	1 15	105 23	.94	S	2	k.
August 26th.						
Empress of China, str.	48 4	173 17	.98	ENE	4	b.
H.M.S. Narcissus	43 36	140 40	30.11	E	1	c.
Hupeh, str.	41 9	152 23	.14	E/N	8	o.
Taiyuan, str.	29 ...	123 ...	29.82	S	3	c.
Onsang, str.	27 0	121 7	.80	NE	2	c.
Lyeemoon, str.	26 23	120 ...	.79	NE	3	o.
Doric, str.	24 25	118 56	.76	NNE	4	c.
Canton, str.	24 6	118 29	.73	NE	6	k.
Mongkut, str.	21 59	113 59	.78	NE	2	bv.
Ask, str.	21 29	109 5	.73	...	0	od.
Strathallan, str.	20 30	111 35	.71	E	2	c.
Taichiow, str.	19 21	112 8	.70	var.	1	c.
Catherine Apcar, str.	18 56	114 9	.71	SSW	2	p.
I.M.C.C. Likin	17 46	109 18	.72	var.	1	c.
Phra Chom Klao, str.	17 24	110 45	...	var.	3	c.
Belle of Bath, sh.	15 8	113 18	...	W/N	1	o.
Sungkiang, str.	14 22	120 29	.81	WSW	2	opq.
Phra Nang, str.	10 36	108 22	.78	WSW	4	k.
Amara, str.	10 12	109 59	.79	SSW	6	o.
Menmuir, str.	9 40	121 39	.83	SSW	6	o.
Borneo, str.	6 19	107 51	.88	SW	4	c.
Suisang, str.	5 55	107 15	.91	SW	4	k.
Chunshan, str.	5 9	106 30	.94	SW	4	k.
Orono, str.	3 55	108 35	.91	SW	4	k.
Siam, sh.	2 58	105 12	.92	SSE	5	k.
Taicheong, str.	1 17	104 9	.96	SW	3	c.
August 27th.						
Hupeh, str.	42 55	155 38	30.26	E	5-6	o.
August 27th.						
Wm. J. Rotch, sh.	30° 44′	137° 47′	29.77	NE	4	k.
Meefoo, str.	30 31	122 34	.80	E	1	b.
Diomed, str.	30 0	122 35	.84	E	2	k.
Lyeemoon, str.	29 51	122 38	.82	N	1	c.
Doric, str.	28 5	123 36	.83	NE	2	c.
Canton, str.	27 30	121 26	.81	NE	3	p.
Taiyuan, str.	26 ...	121 ...	.79	N/W	4	k.
Onsang, str.	24 38	119 10	.79	NNE	2	c.
Bayern, str.	24 34	119 2	.78	NNE	2	c.
Braemar, str.	23 21	117 26	.77	NE	4	k.
Hiroshima Maru, str.	23 7	117 14	.79	NE	5	o.
Ask, str.	21 29	109 5	.74	SE	2	c.
Phra Chom Klao, str.	20 34	112 57	...	ENE	3	b.
Zafiro, str.	19 16	116 12	.77	var.	...	k.
Nerite, str.	19 4	113 37	.69	var.	6	ogrq.
Velocity, bk.	18 42	170 35?	...	ENE	4	c.
I.M.C.C. Likin	17 44	109 20	.74	SW	1	og.
Belle of Bath, sh.	16 33	113 20	...	WNW	1	o.
Yuensang, str.	16 23	118 44	.77	SW/W	4	cp.
Taichiow, str.	15 54	110 30	.78	S	1	c.
Catherine Apcar, str.	15 26	113 20	...	SSW	4	k.
Sungkiang, str.	14 22	120 29	.87	WSW	2	or.
Phra Nang, str.	13 21	109 52	...	W	3	k.
Suisang, str.	8 47	109 33	.88	WSW	4	cp.
Amara, str.	7 59	109 3	.85	SW	5	k.
Menmuir, str.	6 2	122 43	.86	S/W	3	o.
Siam, sh.	5 16	106 26	.89	S	2	og.
Borneo, str.	3 15	105 13	.94	SSW	3	c.
Orono, str.	1 32	108 24	.89	S	3	...
Chunshan, str.	1 30	104 29	.94	SSW	2	k.
August 28th.						
Hupeh, str.	44 25	159 52	30.28	ENE	4	o.
Nanchang, str.	38 33	119 15	29.77	E	2	k.
Pathan, str.	34 40	135 11	...	ESE	2	o.
Mount Lebanon, str.	33 43	136 47	.60	NNW	6	c.
Helen Brewer, sh.	31 35	127 2	...	NE	5	or.
Bayern, str.	28 56	122 20	.73	W	1	b.
Wm. J. Rotch, sh.	28 51	136 25	.73	ENE	4	k.
Chi Yuen, str.	28 43	121 56	.78	S	2	k.
Meefoo, str.	26 53	120 57	.75	NW	1	b.
Diomed, str.	26 1	119 54	.76	SSW	2	k.
Hiroshima Maru, str.	25 50	121 3	.76	NE	1	c.
Nanyang, str.	23 10	114 10	.81	NE/E	3	c.
Taiyuan, str.	23 ...	116 ...	.76	E	3	k.
Onsang, str.	22 52	116 32	.76	NE	2	c.
Ask, str.	20 5	110 20	.73	ENE	1	o.
Apenrade, str.	19 38	112 20	.75	S	3	c.
Yuensang, str.	19 36	116 18	.74	SW	2	c.
Velocity, bk.	18 11	168 22?	...	ENE	...	cp.
I.M.C.C. Likin	18 11	109 41	.74	SW	1	c.
Belle of Bath, sh.	17 42	113 42	...	var.	1	o.
Ravenna, str.	17 30	113 34	.76	S	3	crq.
Phra Nang, str.	16 49	110 43	.71	...	0	k.
Nerite, str.	15 23	112 49	.83	SW	5	c.
Sungkiang, str.	14 22	120 29	.89	W	2	or.
Catherine Apcar, str.	12 46	111 46	...	SSW	6	k.
Taichiow, str.	12 22	109 23	.77	var.	1	c.
Suisang, str.	12 15	111 43	.80	SW	4	k.
Machew, str.	8 45	106 14	.83	SW	4	...
Siam, sh.	7 30	107 39	.86	SW	2	k.
Amara, str.	5 55	107 12	.86	SW	4	o.
Menmuir, str.	2 33	124 44	.88	SE	3	k.
August 29th.						
Hupeh, str.	45 49	165 17	30.38	SSE	4	c.
Pathan, str.	34 40	135 11	...	var.	...	or.
Mount Lebanon, str.	33 54	133 25	29.70	var.	2	c.
Nanshan, str.	32 0	127 55	...	S	1	k.
Dardanus, str.	31 51	126 5	.80	E	2	k.
Wm. H. Connor, sh.	31 25	122 30	...	var.	2	p.
Helen Brewer, sh.	30 46	126 26	...	SE	1	k.
Hiroshima Maru, str.	28 13	125 12	.73	NE	1	b.
Nanyang, str.	26 25	120 39	.78	SW	4	c.
Wm. J. Rotch, sh.	26 1	135 21	.15	NNW	12	orq.
Chi Yuen, str.	25 26	120 0	.76	SW	3	k.
Ancona, str.	24 0	118 35	.74	N	2	b.
Victoria, str.	21 17	112 58	...	...	0	k.
Ask, str.	20 4	110 20	.74	NW	1	o.
Phra Nang, str.	20 1	112 37	.73	var.	1	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
August 29th.						
Belle of Bath, sh.	18° 42′	113° 47′	...	NW	1	k.
I.M.C.C. Likin	18 12	109 33	29.74	NW	1	c.
Velocity, bk.	18 4	165 57 ?	...	var.	...	cpq.
Apenrade, str.	16 40	110 30	.74	SSW	3	k.
Suisang, str.	15 52	112 55	.76	SW	4	k.
Sungkiang, str.	14 22	120 29	.87	W	2	c.
Ravenna, str.	13 15	112 0	.79	SSW	5	c.
Cosmopolit, str.	13 11	121 34	.82	SE	3	k.
Nerite, str.	12 47	110 54	.80	SW/S	6	c.
Machew, str.	11 41	109 16	.75	W	...	q.
Catherine Apcar, str.	10 6	110 3	...	SW/S	5	k.
Taichiow, str.	9 39	107 29	.84	SW	4	c.
Siam, sh.	9 23	109 42	.85	SW	2	orq.
Cassius, str.	4 15	105 31	.86	SE	3	c.
Keemun, str.	3 50	105 51	.85	SE	4	k.
Amara, str.	3 0	105 19	.85	SSW	4	k.
Dorothea Rickmers, str.	2 35	105 13	.83	SE/E	5	c.
Wuotan, str.	1 41	104 33	.87	SE	4	k.
August 30th.						
Hupeh, str.	47 19	170 53	30.29	WSW	3	c.
Nanchang, str.	35 36	122 45	29.81	E	2	k.
Nestor, str.	34 40	135 11	...	N	5	orq.
Pathan, str.	34 40	135 11	...	NE/N	6	or.
Verona, str.	34 33	138 55	.91	N	5	or.
Germania, str.	33 40	137 12	...	E	...	o.
Wm. H. Connor, sh.	31 15	122 49	...	E	2	k.
Hiroshima Maru, str.	30 27	129 26	.70	N	4	c.
Mount Lebanon, str.	30 15	129 33	.65	NW	4	c.
Nanyang, str.	30 4	122 37	.83	N	3	b.
Helen Brewer, sh.	29 59	125 2	...	NE	2	b.
Nanshan, str.	29 23	124 45	...	SW	1	k.
Yarra, str.	27 15	121 21	.82	SSW	1	c.
Ancona, str.	27 6	122 44	.75	W	2	c.
Wm. J. Rotch, sh.	25 54	135 37	...	SW	5	k.
Chi Yuen, str.	23 14	116 47	.79	SW	1	k.
Ask, str.	21 53	113 35	.79	ESE	2	op.
Oslo, str.	21 28	113 38	.76	SW	3	k.
Utrecht, str.	19 44	112 39	.78	SSW	2	k.
Suisang, str.	19 28	113 33	.77	W	2	k.
Belle of Bath, sh.	19 23	114 2	...	W	1	c.
Esmeralda, str.	19 0	116 35	.82	var.	4	k.
I.M.C.C. Likin	18 12	109 33	.79	SW	1	c.
Velocity, bk.	17 56	167 25	...	E	5	cr.
Machew, str.	15 14	110 24	.79	SW	4	k.
Sungkiang, str.	14 22	120 29	.90	var.	1	cp.
Apenrade, str.	13 23	109 41	.80	S	3	c.
Siam, sh.	12 0	112 9	.87	SW	5	c.
Ravenna, str.	9 33	109 42	.89	SSW	4	c.
Nerite, str.	9 20	110 10	.90	SW/S	4	c.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
August 30th.						
Taichiow, str.	8° 39′	104° 17′	29.90	W	2	c.
Keemun, str.	7 46	108 14	.87	var.	4	k.
Cassius, str.	7 12	107 7	.86	S	3	c.
Catherine Apcar, str.	6 59	107 16	...	SSW	4	k.
Dorothea Rickmers, str.	5 48	107 28	.92	SSW	3	c.
Wuotan, str.	5 36	105 39	.91	S	4	k.
Java, str.	4 5	105 53	.88	SE	4	k.
Mogul, str.	3 40	105 36	.90	S	5	k.
Freiburg, sh.	3 5	105 16	...	SW	2	opq.
August 31st.						
Hupeh, str.	48 22	175 56	29.95	S	4	omr.
Nestor, str.	34 40	135 11	...	W	3	k.
Pathan, str.	34 40	135 11	...	ENE	2	o.
Verona, str.	33 25	135 44	.79	S	1	c.
Hiroshima Maru, str.	32 59	133 53	.80	NE	5	c.
Nanchang, str.	31 35	122 37	.86	SE	1	k.
Pingsuey, str.	31 11	123 0	.86	SE	3	b.
Ancona, str.	30 10	126 31	.84	NE	4	o.
Wm. H. Connor, sh.	29 22	123 18	...	E	5	k.
Helen Brewer, sh.	29 5	123 27	...	SE	5	k.
Braemar, str.	28 56	122 2	.85	E	3	k.
Mount Lebanon, str.	28 14	126 31	.84	var.	2	c.
Nanshan, str.	26 42	121 32	...	var.	1	k.
Wm. J. Rotch, sh.	26 8	135 34	.90	...	0	k.
Yarra, str.	23 3	117 6	.79	S	1	c.
Belle of Bath, sh.	20 13	113 44	...	var.	1	c.
Machew, str.	18 54	112 2	.75	var.	1	...
Oslo, str.	18 40	111 55	.72	SW	4	c.
I.M.C.C. Likin	18 12	109 33	.76	W	1	or.
Velocity, bk.	18 0	164 58	...	E	4	cp.
Utrecht, str.	16 43	110 37	.77	SSW	3	k.
Esmeralda, str.	15 40	118 45	.84	var.	2	o.
Sungkiang, str.	14 22	120 29	.92	...	0	c.
Siam, sh.	14 1	114 23	.82	SW	5	o.
Decima, str.	12 29	109 27	.77	S	3	k.
Keemun, str.	11 43	110 49	.83	SW	4	k.
Apenrade, str.	10 41	108 3	.85	WSW	4	orq.
Cassius, str.	10 9	108 55	.85	SW	4	cp.
Dorothea Rickmers, str.	9 37	109 18	.87	SW/S	5	c.
Wuotan, str.	8 56	107 23	.90	S	...	k.
Keong Wai, str.	8 24	105 3	.88	SW	3	od.
Java, str.	8 6	108 33	.85	SW	3	k.
Mogul, str.	7 6	108 1	.90	S	2	orq.
Nerite, str.	6 9	107 44	.94	SW	5	c.
Ravenna, str.	5 41	107 1	.93	SW	5	cq.
Freiburg, sh.	5 8	106 10	.91	SSW	2	k.
Catherine Apcar, str.	3 58	106 5	...	SW/S	4	k.
Energia, str.	1 29	104 28	.92	var.	1	o.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
September 1st.						
Empress of Japan, str.	50° 52′	179° 3′	29.31	S	4	or.
Chingping, str.	38 9	120 20	.80	S	3	k.
Pathan, str.	34 40	135 11	...	E	3	k.
Bombay, str.	33 56	130 0	.84	NE/N	3	b.
Pingsuey, str.	32 18	127 17	.86	SE	2	c.
Ghazee, str.	32 6	125 15	.80	SE	3	o.
Nanchang, str.	27 54	121 42	.71	SW	2	k.
Wm. H. Connor, sh.	27 46	121 19	...	SSE	2	k.
Helen Brewer, sh.	27 42	121 56	...	S	2	b.
Mount Lebanon, str.	25 54	122 21	.77	SW	4	c.
Wm. J. Rotch, sh.	25 15	134 59	.78	NNE	2	k.
Nanshan, str.	24 1	118 29	...	SW	2	k.
Guthrie, str.	23 17	117 25	.75	ENE	3	k.
Belle of Bath, sh.	21 10	113 46	...	var.	1	o.
Chowtai, str.	20 56	114 26	...	var.	3	c.
Taiyuan, str.	20 ...	116 ...	.71	S	5	q.
Velocity, bk.	18 20	162 44	...	E	...	or.
I.M.C.C. Likin	18 12	109 33	.70	S	1	c.
Siam, sh.	16 31	115 28	.73	NW	2	...
Decima, str.	15 44	110 14	.70	SSW	3	o.
Keemun, str.	15 39	112 54	.71	SW	4	oltr.
Oslo, str.	15 30	110 20	.70	S	5	o.
Sungkiang, str.	14 22	120 29	.87	var.	1	c.
Esmeralda, str.	14 22	120 29	.85	var.	4	o.
Dorothea Rickmers, str.	13 19	110 44	.74	SW/W	6	cgm.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
September 1st.						
Utrecht, str.	13° 17′	109° 29′	29.75	SW	4	k.
Cassius, str.	12 57	109 34	.74	SW	2	c.
Java, str.	12 26	111 22	.73	SW	6	k.
Wuotan, str.	12 1	109 35	.75	S	6	k.
Mogul, str.	10 40	110 40	.83	SW	5	k.
Keong Wai, str.	10 37	108 18	.80	SW	4	oq.
Freiburg, sh.	6 55	107 33	.89	W	2	o.
Energia, str.	4 18	105 57	.89	SE	2	o.
Nerite, str.	3 3	105 28	.91	SSW	4	c.
Ravenna, str.	1 32	104 35	.92	SSW	4	orq.
September 2nd.						
Empress of Japan, str.	50 2	169 47	30.13	N	2	o.
H.M.S. Narcissus	43 20	141 2	29.84	NE	5	c.
Pathan, str.	34 40	135 11	...	E	2	k.
Ghazee, str.	33 55	129 51	.82	E	2	o.
Verona, str.	33 49	131 50	.76	ENE	1	c.
Ancona, str.	33 46	132 0	.83	E	1	k.
Braemar, str.	32 2	125 8	.80	SE	4	o.
Bombay, str.	31 32	126 3	.82	ESE	2	b.
Canton, str.	31 48	125 35	.80	SE	3	c.
Gaelic, str.	29 55	125 54	.77	...	0	c.
Helen Brewer, sh.	27 18	121 28	...	SW/S	2	k.
Wm. H. Connor, sh.	27 17	121 25	...	SW	2	k.
Guthrie, str.	26 14	120 55	.77	NE	2	c.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
September 2nd.						
Nanchang, str.	24° 54′	119° 14′	29.73	SW	2	k.
Mount Lebanon, str.	24 4	118 55	.75	var.	2	c.
Wm. J. Rotch, sh.	23 40	133 0	.75	NE	4	opq.
Pakhoi, str.	23 20	117 30	.74	SE	4	cp.
Nanshan, str.	22 25	115 4	...	SSW	4	q.
Ask, str.	20 7	110 55	.63	W	4	orq.
Decima, str.	18 43	111 53	.68	SW	3	c.
Keemun, str.	19 59	113 42	.66	var.	4	q.
Victoria, str.	18 54	107 45	...	S	4	o.
Siam, sh.	18 49	114 47	.72	SSW	2	k.
I.M.C.C. Likin	18 12	109 33	.68	W	1	c.
Velocity, bk.	18 6	161 20	...	NE	4	c.
Chowtai, str.	17 54	111 46	...	SSW	4	o.
Dorothea Rickmers, str.	17 10	110 46	.66	...	2	og.
Java, str.	17 5	113 5	.67	S	4	k.
Taiyuan, str.	16 ...	119 ...	.83	S	4	k.
Cassius, str.	15 30	109 11	.68	WSW	2	o.
Wuotan, str.	15 13	110 31	.70	SW	2	k.
Mogul, str.	14 26	112 26	.79	SW	6	k.
Sungkiang, str.	14 22	120 29	.88	W	1	c.
Esmeralda, str.	14 22	120 29	.86	SW	2	o.
Keong Wai, str.	13 56	109 54	.73	SW	3	c.
Hinsang, str.	12 10	111 39	.78	SW	4	c.
Oslo, str.	12 7	109 27	.74	SSW	4	c.
Utrecht, str.	9 47	109 4	.84	SW	3	k.
Freiburg, sh.	8 55	109 15	.81	WSW	5	o.
Energia, str.	6 45	107 52	.89	SW	4	o.
Ingraban, str.	4 5	105 9	.86	SE	3	k.
Kangra, str.	3 28	105 37	.83	ESE	2	k.
Menelaus, str.	1 23	104 26	.86	SE	2	k.
Hydaspes, str.	1 15	104 4	.90	...	0	k.
September 3rd.						
Empress of Japan, str.	47 51	161 16	29.69	WSW	7	k.
H.M.S. Narcissus	46 13	140 12	30.12	ESE	2	c.
Chingping, str.	36 9	122 43	29.78	ENE	4	o.
Pathan, str.	34 40	135 11	...	ENE	3	k.
Braemar, str.	33 58	129 40	.82	ESE	2	...
Ghazee, str.	33 58	130 55	.78	SE	6	op.
L. Schepp, sh.	33 56	140 10	...	ESE	2	k.
Guthrie, str.	29 29	124 20	.77	SW	1	cp.
Bombay, str.	29 13	123 16	.74	SW	4	c.
Wm. H. Connor, sh.	27 1	121 7	...	SW	5	k.
Helen Brewer, sh.	26 34	121 50	...	SW/S	5	...
Gaelic, str.	26 12	120 56	.73	SW	5	c.
Pakhoi, str.	26 12	120 39	.78	SSW	4	c.
Nanchang, str.	22 46	116 13	.80	SSE	1	k.
Mount Lebanon, str.	22 30	115 34	.78	var.	4	c.
Bygdo, str.	22 14	115 9	.78	SE	1	k.
Strathallan, str.	22 3	113 53	.81	SSW	4	k.
Wm. J. Rotch, sh.	22 2	130 27	.77	NE	2	cp.
Decima, str.	21 48	113 50	.76	S	2	k.
Java, str.	21 43	113 55	.72	WSW	4	k.
Ask, str.	21 29	109 5	.71	S	4	op.
Siam, sh.	21 4	114 39	.79	SSW	2	k.
Donar, str.	21 4	113 6	.78	SSW	2	c.
Dorothea Rickmers, str.	20 25	112 50	.76	SSE	2	c.
Yuensang, str.	20 19	116 7	.80	S	4	c.
Diomed, str.	19 2	113 52	.78	S	4	k.
Zafiro, str.	19 0	116 30	.84	SSW	3	c.
Wuotan, str.	18 43	111 54	.75	SSE	2	opq.
Mogul, str.	18 10	113 44	.80	SSW	2	c.
Velocity, bk.	18 3	159 3	...	SE	4	k.
I.M.C.C. Likin	18 0	109 35	.74	SW	1	c.
Keong Wai, str.	17 16	110 58	.76	SSW	3	c.
Victoria, str.	15 56	109 17	...	SW	3	...
Hinsang, str.	15 37	112 52	.80	S W	3	c.
Chowtai, str.	14 53	109 50	.82	S/W	5	oq.
Esmeralda, str.	14 22	120 29	.89	SW	2	or.
Sungkiang, str.	14 22	120 29	.91	W	2	or.
Taiyuan, str.	12 ...	120 ...	.90	W	3	o.
Freiburg, sh.	10 33	111 28	.86	SW	4	c.
Oslo, str.	9 45	107 38	.84	SW	4	c.
Energia, str.	9 21	109 53	.89	SSW	4	k.
Kongbeng, str.	9 18	103 23	.87	SSW	3	k.
Ingraban, str.	8 7	106 34	.86	SSW	3	k.
Utrecht, str.	6 50	107 41	.88	SW	3	k.
Kangra, str.	6 34	107 54	.85	W	2	k.
Menelaus, str.	5 34	106 42	.90	SW	2	k.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
September 3rd.						
Hydaspes, str.	4° 49′	105° 52′	29.93	SW	2	k.
Amara, str.	0 26	106 3	.85	E/S	4	k.
September 4th.						
H.M.S. Narcissus	48 52	140 30	30.14	SSW	2	c.
Empress of Japan, str.	45 25	154 3	.26	NNE	2	o.
H.M.S. Pigmy	39 4	136 37	...	SE	2	cd.
Pathan, str.	34 40	135 11	...	var.	var.	or.
Ghazee, str.	34 26	134 25	29.73	var.	6	p.
Ancona, str.	34 13	135 0	.80	SW	3	or.
Glenavon, str.	34 11	138 2	.87	E	5	c.
Canton, str.	33 46	132 2	.68	SE	5	pq.
Nestor, str.	33 32	135 21	.86	var.	2	op.
Chingping, str.	33 10	122 29	.76	NNW	4	k.
L. Schepp, sh.	32 57	139 20	...	SSE	2	k.
Guthrie, str.	32 40	127 45	.65	NNW	3	o.
Verona, str.	30 27	126 58	.72	WSW	4	c.
Pakhoi, str.	29 33	122 41	.76	N	3	c.
Empress of India, str.	27 41	121 29	.80	SW	2	k.
Helen Brewer, sh.	26 45	120 46	...	SW	4	k.
Bombay, str.	26 29	120 47	.78	SW	4	o.
Wm. H. Connor, sh.	26 26	120 56	...	SW	5	k.
Bygdo, str.	24 5	118 39	.78	SW	1	c.
Gaelic, str.	22 52	116 33	.77	WSW	3	c.
Wuotan, str.	22 11	114 3	.80	SW	...	...
China, str.	21 50	113 46	.81	var.	1	k.
Ask, str.	21 29	109 5	.78	SSW	4	o.
Wm. J. Rotch, sh.	21 7	128 4	.78	NNE	2	k.
Keong Wai, str.	20 26	113 6	.81	var.	1	c.
Strathallan, str.	20 16	111 16	.81	SSW	2	o.
Mongkut, str.	19 26	112 32	.84	SSW	3	c.
Hinsang, str.	19 0	113 44	.81	SSW	2	b.
Donar, str.	18 3	111 5	.80	S/W	2	eq.
Velocity, bk.	18 0	156 38	...	ESE	4	cp.
I.M.C.C. Likin	17 42	109 32	.80	WSW	2	c.
Yuensang, str.	16 58	118 17	.82	SW/S	4	c.
Zafiro, str.	16 0	119 0	.87	SSW	4	c.
Diomed, str.	14 50	112 36	.84	SSW	4	c.
Esmeralda, str.	14 22	120 29	.86	SW	2	op.
Sungkiang, str.	14 22	120 29	.90	W	2	cp.
Victoria, str.	12 55	109 24	...	SW	3	k.
Freiburg, sh.	12 22	112 46	.85	SW	4	k.
Energia, str.	12 17	111 45	.89	WSW	5	k.
Ingraban, str.	11 36	109 15	.85	W	2	k.
Cosmopolit, str.	11 36	121 13	.86	var.	3	orq.
Chowtai, str.	11 18	109 3	.92	SW	4	k.
Kangra, str.	9 43	110 12	.87	NNW	2	k.
Kongbeng, str.	9 22	106 54	.94	NNW	2	k.
Menelaus, str.	9 16	109 48	.90	W	2	k.
Oslo, str.	8 40	104 21	.94	W	2	k.
Hydaspes, str.	8 22	108 20	.93	SW	2	k.
Deucalion, str.	8 6	119 8	.81	SW	2	c.
Taiyuan, str.	8 ...	122 ...	.93	SSW	4	b.
Utrecht, str.	3 35	105 47	.90	SSW	2	k.
September 5th.						
Empress of Japan, str.	41 49	147 35	30.04	SE	6	...
Ancona, str.	35 12	139 44	29.82	SE	2	k.
Pathan, str.	34 40	135 11	...	SE	var.	or.
Guthrie, str.	33 58	130 55	.73?	W	3	o.
L. Schepp, sh.	30 55	137 35	...	SE	2	k.
Chingping, str.	29 52	122 37	.80	NNE	2	k.
Fooksang, str.	27 57	121 40	.83	N	4	c.
Verona, str.	27 32	122 54	.83	var.	1	od.
Bygdo, str.	27 6	121 10	.78	NNE	2	od.
Lyeemoon, str.	26 58	120 55	.83	NE	3	c.
Wm. H. Connor, sh.	26 7	120 55	...	NE	5	k.
Helen Brewer, sh.	26 2	120 47	...	NE	5	o.
Irene, str.	23 55	118 12	.77	...	0	c.
Bombay, str.	23 50	118 4	.78	W	1	b.
Java, str.	23 31	117 49	.79	NNE	2	c.
Keemun, str.	23 3	117 10	.75	var.	1	k.
Chi Yuen, str.	22 39	115 35	.79	N	1	o.
Wm. J. Rotch, sh.	20 54	126 15	...	NNW	2	k.
Strathallan, str.	20 44	107 46	.79	SW	4	c.
Ask, str.	20 4	110 20	.78	var.	1	o.
China, str.	19 0	111 45	.77	SW/S	3	o.
Velocity, bk.	18 7	154 7	...	var.	...	c.
I.M.C.C. Likin	17 46	109 30	.77	S	1	c.
Mongkut, str.	16 15	110 35	.82	SSW	2	b.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
September 5th.						
Energia, str	15°31′	112°40′	29.80	SW	2	k.
Ingraban, str	15 14	109 12	.80	NE	2	k.
Donar, str	15 0	109 8	.78	S	2	b.
Freiburg, sh	14 32	112 59	.85	SW	2	o.
Sungkiang, str	14 22	120 29	.84	SW	3	c.
Esmeralda, str	14 22	120 29	.84	SW	5	or.
Cosmopolit, str	13 52	119 49	.82	NW	5	c.
Kangra, str	13 41	112 23	.82	W	2	k.
Menelaus, str	13 32	112 17	.84	SW	2	k.
Kongbeng, str	12 7	109 22	...	WSW	1	k.
Hydaspes, str	12 3	111 6	.88	SSW	4	k.
Deucalion, str	11 29	120 6	.81	SW	2	c.
Oslo, str	11 13	101 40	.92	WSW	2	k.
Diomed, str	11 0	110 17	.85	SW	4	k.
Victoria, str	9 23	107 44	...	SW	4	k.
Chowtai, str	8 44	106 14	.95	WSW	4	k.
Taiyuan, str	4 ...	124 ...	.89	SW	4	b.
Chelydra, str	3 52	105 51	.91	SE/S	2	b.
Clan MacFarlane, sh	1 25	108 27	...	E	4	or.
Utrecht, str	1 15	103 52	.96	SE	2	k.
September 6th.						
Empress of Japan, str	38 19	141 55	29.85	SSW	4	...
Doric, str	35 10	143 58	.95	S	4	c.
Pathan, str	34 40	135 11	...	ENE	1	or.
Empress of India, str	31 49	125 17	.85	N	4	k.
Bygdo, str	30 1	122 53	.82	N	2	o.
L. Schepp, sh	29 11	136 9	...	SE	5	o.
Java, str	26 59	121 3	.81	NE	6	o.
Chingping, str	26 47	120 58	.82	NNE	5	o.
Irene, str	26 11	122 21	.77	NE	6	c.
Fooksang, str	24 39	119 21	.78	N/E	6	o.
Chi Yuen, str	24 37	118 40	.76	NE	4	o.
Wm. H. Connor, sh	24 35	118 40	...	NW	6	o.
Verona, str	24 32	119 12	.80	N/E	4	or.
Keemun, str	24 29	118 41	...	var.	3	k.
Helen Brewer, sh	24 23	118 45	...	NNE	6	orq.
Lyeemoon, str	23 36	117 46	.79	NE	5	or.
Ariake Maru, str	22 25	115 15	.80	NE	2	c.
Strathallan, str	20 59	107 0	.73	SE	2	or.
Bombay, str	20 40	115 49	.79	W	3	cp.
Ask, str	20 37	111 23	.76	NE	2	o.
Wm. J. Rotch, sh	20 32	125 9	.73	WNW	2	k.
Ingraban, str	19 10	108 18	.76	SE	2	c.
Memnon, str	18 53	115 26	.77	W	2	o.
Phra Chom Klao, str	18 44	111 36	...	S	3	p.
Energia, str	18 34	113 34	.78	W	3	k.
Velocity, bk	18 14	150 41	...	var.	...	c.
Menelaus, str	17 48	113 36	.78	var.	1	k
I.M.C.C. Likin	17 41	109 49	.76	SSW	1	c.
Kangra, str	17 20	113 48	.75	W	2	k.
Cosmopolit, str	16 24	118 10	.74	NW	4	c.
Freiburg, sh	16 13	113 10	...	SSW	2	k.
Hydaspes, str	16 3	113 10	.81	SW	2	k.
China, str	15 47	110 14	...	S/W	3	k.
Kongbeng, str	15 46	110 25	.82	SSE	1	o.
Sungkiang, str	14 35	120 57	.82	SW	4	c.
Esmeralda, str	14 22	120 29	.84	SW	5	or.
Deucalion, str	14 3	118 26	.81	WSW	2	k.
Mongkut, str	12 36	109 34	.78	SSW	4	b.
Donar, str	10 9	109 1	.81	SW	5	c.
Chowtai, str	9 37	103 5	.91	WSW	4	k.
Chelydra, str	7 19	108 19	.86	SW/W	2	c.
Diomed, str	7 8	108 19	.84	SW	4	k.
Victoria, str	6 16	106 27	...	SW	4	k.
Chunshan, str	4 11	106 41	.90	SE	3	k.
Clan MacFarlane, sh	3 56	108 35	...	S	2	k.
Taicheong, str	2 26	101 24	.90	W	2	cu.
Taiyuan, str	0 ...	126 ...	.92	S	4	b.
September 7th.						
Doric, str	34 55	151 0	30.10	SE	4	c.
Pathan, str	34 40	135 11	...	var.	1	or.
Guthrie, str	34 40	135 11	29.72	W	3	orq.
Hiroshima Maru, str	34 7	137 40	.73	E	5	c.
Bygdo, str	33 9	122 50	.83	N	2	k.
Germania, str	31 20	133 28	...	var.	...	opq.
Java, str	30 51	122 16	.82	N	5	c.
L. Schepp, sh	28 16	134 2	...	NE	10	oq.
Irene, str	27 41	125 55	.69	NNE	6	b.
September 7th.						
Keemun, str	27°18′	121° 9′	29.78	NE	6	k.
Chi Yuen, str	26 40	120 22	.83	NE/N	3	k.
Coptic, str	26 9	177 59	.90	var.	2	c.
Chingping, str	24 16	118 45	.78	NNE	4	k.
Ariake Maru, str	24 0	118 20	.76	NE	4	c.
Helen Brewer, sh	22 59	115 7	...	NE	6	...
Airlie, str	22 46	116 4	.79	NE	4	c.
Verona, str	22 14	114 27	.78	NE	4	or.
Energia, str	21 49	113 56	.78	NE	5	orq.
Kangra, str	21 22	113 55	.73	var.	2	orq.
Strathallan, str	20 59	107 0	.73	E	2	k.
Wm. J. Rotch, sh	20 20	124 15	.69	WNW	4	orq.
Ingraban, str	20 11	110 40	.75	NE	3	c.
Hydaspes, str	19 44	113 40	.78	var.	1	k.
Kongbeng, str	19 12	112 5	.76	var.	1	c.
Cosmopolit, str	19 8	116 33	.73	W	4	k.
Velocity, bk	18 9	149 2	...	S	3	o.
I.M.C.C. Likin	17 53	109 37	.74	S	1	c.
Deucalion, str	17 47	116 59	.78	WNW	4	k.
Freiburg, sh	17 6	113 29	.74	SW/W	2	k.
Bombay, str	17 0	114 8	.78	S	2	b.
Phra Chom Klao, str	14 56	109 44	...	SSE	1	b.
Memnon, str	14 43	116 36	.78	SW	4	c.
Sungkiang, str	14 36	120 58	.81	SW	3	c.
Esmeralda, str	14 22	120 29	.84	SW	5	c.
China, str	12 16	109 27	.73	W	1	k.
Chelydra, str	11 0	110 48	.76	SW/W	3	c.
Mongkut, str	9 48	107 31	.82	SSW	5	b.
Chunshan, str	8 0	108 16	.86	WSW	4	k.
Donar, str	8 0	107 5	.81	SW/S	4	c.
Clan MacFarlane, sh	6 33	109 3	...	S	2	...
Diomed, str	3 31	105 31	.85	SSW	3	k.
Victoria, str	3 10	105 3	...	S	4	k.
Taicheong, str	2 8	104 52	.85	SSE	3	cm.
September 8th.						
H.M.S. Narcissus	51 2	141 41	29.95	SE	1	o.
Bygdo, str	36 35	123 5	.86	N	3	k.
Pathan, str	34 40	135 11	...	SE	5	or.
Guthrie, str	34 40	135 11	...	NE	1	or.
Doric, str	34 24	157 48	30.17	SE	2	c.
Empress of India, str	33 59	132 44	29.67	NNE	4	k.
Empress of Japan, str	33 41	135 12	.69	N	4	or.
Germania, str	29 55	134 29	...	E	6	o.
Irene, str	29 5	128 22	.53	NNW	7	c.
Chi Yuen, str	28 43	121 57	.82	NNE	4	k.
Coptic, str	27 15	171 41	.90	N	4	c.
L. Schepp, sh	25 28	131 55	...	NW/W	9	...
Ariake Maru, str	25 18	121 55	.80	NE	4	b.
Sabine Rickmers, str	23 46	117 55	.73	NE	6	c.
Chingping, str	22 40	115 46	.78	NE	3	k.
Kongbeng, str	22 10	114 5	.78	NE	3	...
Cosmopolit, str	21 42	114 41	.77	ENE	4	c.
Strathallan, str	20 59	107 0	.79	ESE	4	orq.
Wm. J. Rotch, sh	20 55	122 56	.72	N	5	q.
Deucalion, str	20 47	115 15	.77	NE	5	k.
Velocity, bk	18 16	146 39	...	S/E	...	orq.
I.M.C.C. Likin	18 12	109 33	.75	ENE	1	c.
Freiburg, sh	17 57	113 34	.73	SW	2	o.
Chelydra, str	15 6	112 44	.72	NW/N	2	c.
Sungkiang, str	14 36	120 58	.81	WSW	2	c.
Esmeralda, str	14 22	120 29	.81	SW	2	or.
Bombay, str	13 47	111 54	.75	SW	3	b.
Chunshan, str	12 17	110 46	.75	WSW	4	k.
Phra Chom Klao, str	10 53	108 42	...	SW	4	b.
Memnon, str	10 44	117 53	.84	SW	3	o.
China, str	10 14	107 23	.80	WSW	4	o.
Clan MacFarlane, sh	9 13	110 31	...	SW	4	kq.
Mongkut, str	8 18	104 50	.83	W	4	op.
Taicheong, str	5 39	106 45	.88	SSW	3	c.
Donar, str	4 9	106 0	.84	SSW	5	o.
September 9th.						
Guthrie, str	34 40	135 11	29.72	E	1	or.
Canton, str	34 3	137 47	.76	SE	5	o.
Empress of Japan, str	33 48	132 28	.72	NE	4	or.
Doric, str	33 30	164 30	30.09	N	5	c.
Germania, str	30 58	130 9	29.49	NNE	6	orq.
Coptic, str	28 26	165 20	.95	NW	3	c.
Irene, str	28 22	130 29	28.87	NNE	12	or.

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Vessel.	Lat. North.	Long. East.	Bar.	Wind. Dir.	For.	Weather.
			ins.		0-12	
September 9th.						
Ariake Maru, str.	26° 50′	123° 31′	29.73	NNW	5	b.
Meefoo, str.	25 50	119 46	.86	NNE	2	b.
L. Schepp, sh.	23 49	132 25	...	SW	4	o.
Wm. J. Rotch, sh.	21 31	121 36	.74	NNE	5	k.
Phra Nang, str.	20 55	114 38	.79	NE	2	k.
Strathallan, str.	20 8	109 50	.80	E	4	c.
Freiburg, sh.	19 10	113 31	.86	ENE	4	k.
Velocity, bk.	18 46	145 22	...	S/E	...	or.
I.M.C.C. Likin	17 47	109 17	.77	ENE	2	c.
Chunshan, str.	16 24	112 54	.75	WNW	3	k.
Sungkiang, str.	14 36	120 58	.79	SW	2	cp.
Esmeralda, str.	14 22	120 29	.79	SW	2	or.
Clan MacFarlane, sh.	12 6	112 54	...	SW	1	q.
Bombay, str.	11 2	109 57	.79	SW	5	b.
Mongkut, str.	10 34	102 15	.82	W	4	or.
Taicheong, str.	9 14	109 10	.83	WSW	4	c.
Phra Chom Klao, str.	8 38	105 54	...	WNW	4	cd.
Memnon, str.	6 47	116 52	.84	SW	1	c.
Ekaterinoslov, str.	3 34	105 37	.88	SE	5	c.
Donar, str.	1 7	104 6	.85	S	2	cm.
September 10th.						
H.M.S. Narcissus	48 10	140 8	30.06	SSE	4	cm.
Guthrie, str.	34 40	135 11	?	E	2	or.
Doric, str.	32 35	170 48	.03	NNE	5	c.
Coptic, str.	29 38	158 34	29.99	var.	2	c.
Bayern, str.	29 32	122 29	.75	N	4	c.
Irene, str.	29 8	131 27	.22	SSW	12	or.
Germania, str.	29 6	125 59	.55	N	5	c.
Meefoo, str.	28 37	121 55	.89	NNW	4	b.
Ariake Maru, str.	28 28	125 34	.63	NNW	5	orq.
Macduff, str.	23 46	118 6	.78	...	...	...
L. Schepp, sh.	22 35	133 14	...	SW	2	c.
Wuotan, str.	22 15	114 29	.80	ENE	2	k.
Wm. J. Rotch, sh.	21 21	120 3	...	E	2	o.
Strathallan, str.	20 34	111 34	.81	NE	4	or.
Ask, str.	20 30	111 37	.80	W	2	c.
Hongkong, str.	20 30	111 30	.76	E	2	c.
Chunshan, str.	20 25	113 42	.80	NE/N	3	k.
Freiburg, sh.	20 9	113 3	.77	NE/N	2	c.
Jacob Christensen, str.	19 25	112 18	.82	SE	2	...
Velocity, bk.	19 13	144 23	...	var.	2	k.
Phra Nang, str.	18 8	111 44	.81	ENE	2	k.
I.M.C.C. Likin	17 45	109 11	.80	ENE	1	cm.
Sungkiang, str.	14 36	120 58	.83	SW	3	p.
Clan MacFarlane, sh.	14 36	113 54	...	NW	6	or.
Esmeralda, str.	14 22	120 29	.82	SW	5	q.
Taicheong, str.	12 48	111 37	.89	WSW	2	c.
Phra Chom Klao, str.	9 50	102 46	...	WNW	4	o.
Bombay, str.	8 4	108 53	.85	SW	5	c.
Ekaterinoslov, str.	7 3	108 0	.89	SW	4	o.
Sishan, str.	4 23	105 47	.95	S	3	k.
Mazagon, str.	4 9	105 51	.91	S	4	o.
September 11th.						
Bygdo, str.	38 30	121 14	29.69	NNW	2	c.
Ghazee, str.	34 40	135 11	.33	NE	4	or.
Oopack, str.	34 40	135 11	.36	NE	5	or.
Guthrie, str.	34 40	135 11	...	ENE	3	c.
Nestor, str.	34 37	139 4	...	S	...	...
Pathan, str.	33 58	130 55	...	NW	6	...
Empress of Japan, str.	31 40	125 1	.71	N/W	7	k.
Doric, str.	31 17	176 51	.95	NNE	1	c.
Coptic, str.	31 5	151 49	.92	S	4	c.
Irene, str.	29 58	133 8	.42	SW	7	c.
Ariake Maru, str.	29 55	127 38	.66	NW	5	c.
Germania, str.	28 15	123 44	.83	NNW	4	c.
Wm. J. Rotch, sh.	21 56	117 38	.80	NNE	5	k.
Ask, str.	21 29	109 6	.81	NNW	2	o.
L. Schepp, sh.	21 28	133 32	...	W S	2	...
Freiburg, sh.	20 36	112 52	.81	ENE	2	k.
Velocity, bk.	20 13	143 23	...	SW	...	oq.
I.M.C.C. Likin	17 45	109 5	.79	ENE	1	od.
Rosetta, str.	17 24	113 29	.80	E	3	o.
Taicheong, str.	16 21	113 21	.78	NE	2	c.
Jacob Christensen, str.	16 10	110 16	.80	SE	2	...
Clan MacFarlane, sh.	14 45	114 17	...	S	1	or.
Phra Nang, str.	14 42	110 8	.80	var.	2	k.
Sungkiang, str.	14 36	120 58	.88	SW	4	opq.
Esmeralda, str.	14 22	120 29	.88	SW	5	q.
September 11th.						
Apenrade, str.	11° 29′	109° 8′	29.82	SW	4	k.
Ekaterinoslov, str.	10 33	110 13	.88	SW	3	or.
Mazagon, str.	7 36	108 34	.90	WSW	4	orq.
Sishan, str.	7 26	107 50	.85	...	...	...
Bombay, str.	5 29	106 40	.87	SW	4	o.
Ceylon, str.	4 3	106 0	.93	S	4	c.
Erato, str.	3 55	105 39	...	SSW	4	c.
September 12th.						
H.M.S. Narcissus	47 58	139 37	30.03	E/S	6	cp.
Empress of India, str.	36 25	142 51	29.67	SSE	6	o.
Ancona, str.	35 13	139 45	.50	S/W	4	k.
Guthrie, str.	34 40	135 11	...	SW	2	k.
Braemar, str.	34 22	135 2	.63	SSW	2	k.
Pathan, str.	33 58	130 55	...	WNW	5	kq.
Nestor, str.	33 23	135 50	...	WNW	4	k.
Coptic, str.	33 18	145 14	.78	...	0	c.
Ariake Maru, str.	32 55	129 10	.75	NW	4	b.
Irene, str.	32 27	136 23	.58	WNW	6	c.
Pakhoi, str.	31 34	122 18	.82	NW	4	c.
Macduff, str.	29 10	125 1	.86	...	...	...
Nanyang, str.	27 18	121 15	.89	WSW	2	c.
Germania, str.	25 36	120 9	...	var.	1	...
Nanchang, str.	24 50	119 8	.89	NNE	4	k.
Verona, str.	23 50	118 6	.86	NE	4	c.
Ask, str.	21 29	109 6	.80	E	1	o.
Velocity, bk.	21 11	142 25?	...	SW	2	cp.
Machew, str.	21 1	114 38	.78	ENE	6	c.
Freiburg, sh.	20 46	113 15	.80	NE	5	o.
L. Schepp, sh.	20 14	132 59	...	S	2	...
Hinsang, str.	20 13	110 38	.80	ENE	3	o.
Taicheong, str.	20 3	114 12	.78	NE	5	c.
Keong Wai, str.	20 3	110 20	.80	ENE	3	k.
Ingraban, str.	20 0	112 27	.83	NE	5	c.
Airlie, str.	19 20	115 39	.77	SE/S	1	cp.
I.M.C.C. Likin	17 45	109 5	.79	ENE	1	od.
Clan MacFarlane, sh.	15 45	114 42	...	SW	...	k.
Sungkiang, str.	14 36	120 58	.90	W	2	c.
Ekaterinoslov, str.	14 26	113 5	.77	SW	2	c.
Esmeralda, str.	14 22	120 29	.90	SW	2	op.
Apenrade, str.	13 53	110 14	.79	N	3	o.
Rosetta, str.	13 4	111 22	.80	WNW	4	c.
Jacob Christensen, str.	12 ...	109 18	.78	var.	3	...
Mazagon, str.	11 2	111 8	.84	SW/W	5	o.
Phra Nang, str.	11 0	108 45	.81	SW	5	k.
Sishan, str.	11 0	110 12	.85	W-N	5	orq.
Ceylon, str.	8 0	108 55	.91	W/S	4	cq.
Erato, str.	7 25	108 30	...	NNW	5	orq.
Ningchow, str.	3 50	105 42	.92	E	2	o.
Bombay, str.	2 32	104 34	.90	S/E	3	m.
Malacca, str.	1 32	104 31	.89	SE	2	c.
September 13th.						
H.M.S. Narcissus	47 57	139 37	30.05	ENE	6	ompq.
Empress of India, str.	39 36	149 36	29.67	ESE	5	od.
Pakhoi, str.	35 1	122 44	.84	WNW	4	c.
Guthrie, str.	34 40	135 11	...	W	2	k.
Braemer, str.	34 39	139 4	.73	NE	6	k.
Ariake Maru, str.	33 47	132 7	.87	S	3	b.
Pathan, str.	32 20	128 8	...	W	4	...
Ancona, str.	30 50	135 5	.71	NW	2	b.
Chi Yuen, str.	28 24	121 54	.90	SSE	2	o.
Nanchang, str.	27 44	121 31	.90	SE	1	k.
Verona, str.	26 38	121 50	.88	SE	3	c.
Empress of Japan, str.	26 35	120 56	.91	SE	2	k.
Nanyang, str.	24 4	118 22	.89	NE	4	b.
Lyeemoon, str.	23 16	117 0	.86	ENE	3	c.
Energia, str.	22 52	116 15	.82	NE	6	c.
Bayern, str.	22 41	115 58	.82	ENE	3	c.
Velocity, bk.	21 41	139 54	...	SW	4	c.
Freiburg, sh.	21 0	113 33	.75	ENE	3	ogr.
Hinsang, str.	20 59	107 0	.79	ENE	2	c.
Ask, str.	20 45	109 21	.78	SE	4	op.
L. Schepp, sh.	20 14	132 49	...	var.	1	...
Keong Wai, str.	20 4	110 20	.79	NE	4	orq.
Ekaterinoslov, str.	18 23	114 45	.77	ENE	3	or.
Machew, str.	17 59	111 38	.72	S	3	b.
I.M.C.C. Likin	17 49	109 1	.72	NW	3	o.
Clan MacFarlane, str.	17 24	115 33	...	var.	1-6	q.
Apenrade, str.	17 16	110 40	.76	var.	3	o.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
September 13th.						
Ingraban, str.	16° 33′	110° 12′	29.77	NW	4	orq.
Airlie, str.	16 3	118 26	.80	S/E	5	orq.
Mazagon, str.	14 53	113 1	.79	SW	2	op.
Sungkiang, str.	14 36	120 58	.86	var.	1	c.
Esmeralda, str.	14 22	120 29	.90	...	0	c.
Sishan, str.	12 55	109 25	.75	var.	5	orq.
Ceylon, str.	11 42	112 35	.85	WSW	5	cp.
Erato, str.	10 54	110 32	...	WSW	5	c.
Rosetta, str.	8 51	109 10	.89	WSW	6	c.
Taicheow, str.	8 25	105 23	.91	SW	4	o.
Phra Nang, str.	8 4	107 22	.87	W	4	k.
Ningchow, str.	7 11	108 14	.89	WNW	2	o.
Malacca, str.	5 38	106 52	.90	W/N	4	op.
Donar, str.	2 6	101 3	.92	NE	2	c.
Oanfa, str.	1 25	104 27	.91	S	3	om.
September 14th.						
Empress of India, str.	42 34	155 40	29.86	E	3	o.
Pakhoi, str.	37 59	120 56	.82	SW	4	b.
Guthrie, str.	34 40	135 11	...	SSE	2	k.
Java, str.	31 55	125 51	.97	E	1	c.
Keemun, str.	31 50	125 36	.96	E	2	c.
Nanchang, str.	31 4	123 3	30.01	ESE	1	k.
Pathan, str.	29 44	124 56	...	E	3	c.
Verona, str.	29 34	125 38	.01	NE	2	c.
Lyeemoon, str.	26 13	119 54	29.97	NE/N	4	c.
Chi Yuen, str.	25 26	119 59	.92	NE/E	4	c.
Energia, str.	24 41	119 25	...	NE	6	c.
Wuotan, str.	24 26	118 37	.94	ENE	3	k.
Tacoma, str.	23 35	117 45	.92	ENE	4	cp.
Empress of Japan, str.	22 38	115 47	.91	var.	3	odq.
Belgic, str.	22 30	115 14	.91	ENE	5	o.
Ekaterinoslov, str.	21 48	115 15	.87	E	4	or.
Velocity, bk.	21 47	137 38	...	S/E	4	orq.
Freiburg, sh.	20 40	113 42	.78	E	7	or.
L. Schepp, sh.	20 22	131 31	...	var.	1	...
Ask, str.	20 4	110 20	.78	ENE	4	op.
Keong Wai, str.	20 4	110 20	.78	ENE	5	orq.
Apenrade, str.	19 53	112 30	.79	NE	4	orq.
Clan MacFarlane, sh.	19 18	113 6	...	ESE	4	q.
Mazagon, str.	18 58	113 46	.79	E/S	2	o.
I.M.C.C. Likin	18 12	109 33	.73	ESE	2	c.
Sishan, str.	16 12	108 54	...	NE	5	orq.
Ceylon, str.	16 0	115 3	.83	SW	4	pq.
Erato, str.	14 43	112 47	...	SSW	3	oq.
Sungkiang, str.	14 36	120 58	.93	var.	1	c.
Esmeralda, str.	14 31	120 54	.92	NE	2	c.
Machew, str.	14 23	110 13	.74	SW	3	c.
Ingraban, str.	12 27	109 34	.82	SSW	3	orq.
Ningchow, str.	11 7	110 56	.83	WSW	4	k.
Taichiow, str.	10 59	108 48	.85	W	4	c.
Malacca, str.	9 38	109 32	.88	WSW	5	c.
Oanfa, str.	5 12	106 10	.90	S	2	c.
Phra Nang, str.	5 3	105 33	.90	SSW	3	k.
Rosetta, str.	4 49	106 26	.99	S	3	c.
Pekin, str.	4 37	105 56	.91	S/W	3	k.
Federation, str.	1 42	104 36	.90	var.	2	k.
September 15th.						
Empress of India, str.	45 25	163 0	29.78	WNW	5	o.
Braemar, str.	36 0	142 26	30.04	ENE	5	o.
Nanchang, str.	34 53	122 54	29.97	S	4	k.
Guthrie, str.	34 40	135 11	...	SE	2	o.
Ancona, str.	33 48	131 37	.97	NW	2	b.
Verona, str.	32 32	129 28	30.00	NNE	1	c.
Lyeemoon, str.	29 36	122 33	29.97	SE	3	c.
Energia, str.	27 13	121 26	.93	ENE	2	c.
Pathan, str.	27 11	121 55	...	E	3	k.
Wuotan, str.	26 55	121 4	.97	NE	1	k.
Chi Yuen, str.	22 56	116 28	.90	NE/E	3	o.
Kongbeng, str.	22 16	114 6	...	E	3	k.
Velocity, bk.	22 4	136 11	...	S/W	6	orq.
Freiburg, sh.	21 29	113 42	.81	SE/E	var.	orq.
Ceylon, str.	21 0	114 20	.80	ENE	4	or.
L. Schepp, sh.	20 31	130 33	...	E	2	...
Triumph, str.	20 4	110 20	.77	var.	2	orq.
Ask, str.	20 4	110 20	.75	var.	2	o.
Sishan, str.	19 0	107 30	.75	NE	6	orq.
Erato, str.	18 53	113 39	...	ESE	4	o.
I.M.C.C. Likin	18 12	109 33	.73	W	1	o.
September 15th.						
Keong Wai, str.	18° 7′	108° 14′	29.75	N	4	o.
Sungkiang, str.	17 41	119 26	.92	SE	2	c.
Ningchow, str.	15 3	113 3	.82	WSW	2	c.
Esmeralda, str.	14 35	120 57	.89	SW	2	o.
Taichiow, str.	14 8	110 11	.77	SW	5	o.
Malacca, str.	13 36	112 27	.81	SW	4	c.
Machew, str.	11 6	108 50	.80	SW	7	c.
Ingraban, str.	9 37	107 34	.88	WSW	4	c.
Oanfa, str.	9 17	108 25	.90	WSW	3	cp.
Pekin, str.	8 43	109 15	.91	SW	4	o.
Airlie, str.	8 12	122 0	...	...	0	k.
Federation, str.	5 19	105 38	.91	S	2	o.
Australian, str.	3 37	124 22	.91	var.	1	p.
Phra Nang, str.	2 2	104 35	.93	WSW	3	k.
September 16th.						
Empress of India, str.	47 47	171 8	29.57	NW	4	o.
H.M.S. Narcissus	45 30	138 11	30.10	SW/W	1	c.
Bygdo, str.	40 24	121 52	...	SSW	1	k.
Braemar, str.	38 18	146 46	.16	E	4	o.
Nanchang, str.	37 54	121 15	29.98	WSW	4	k.
Canton, str.	34 30	138 48	.93	ENE	5	o.
Verona, str.	33 55	130 54	30.02	...	0	c.
Java, str.	33 48	131 37	29.97	SW	1	k.
Guthrie, str.	33 44	132 0	...	WSW	3	k.
Oopack, str.	33 6	127 29	.98	NE	2	k.
Meefoo, str.	30 56	122 9	.96	S	1	b.
Energia, str.	30 8	122 34	.97	E	3	c.
Wuotan, str.	30 26	123 5	30.01	SE	1	k.
Belgic, str.	27 11	122 8	.01	NE/E	4	c.
Tacoma, str.	26 51	120 50	29.97	NE	4	c.
Pathan, str.	24 34	119 4	...	NE	5	c.
Taicheong, str.	22 58	115 32	.87	ENE	7	c.
Hikosan Maru, str.	22 48	116 22	.89	NE	4	c.
Velocity, bk.	22 12	134 23	..	var.	2	or.
Sungkiang, str.	21 35	118 56	.94	E	3	c.
Freiburg, sh.	21 12	113 28	.81	E	4	o.
Hinsang, str.	20 59	107 0	.77	NE	4	o.
Sishan, str.	20 59	107 0	...	N	5	od.
L. Schepp, str.	20 39	129 20	...	E	1	...
Ask, str.	20 26	111 14	.78	ESE	3	o.
Triumph, str.	20 4	110 20	.73	E	5	...
Ningchow, str.	19 11	113 37	.78	var.	1	op.
Kongbeng, str.	18 54	111 54	...	SE	5	o.
I.M.C.C. Likin	18 12	109 33	.73	NE	1	c.
Malacca, str.	17 49	113 38	.77	S/W	3	o.
Taichiow, str.	17 44	111 8	.63	ESE	2	o.
Esmeralda, str.	14 35	120 57	.87	SW	2	c.
Keong Wai, str.	14 12	109 24	.74	S	5	o.
Pekin, str.	13 22	112 14	.83	SW	5	o.
Oanfa, str.	12 56	110 6	.78	S	2	c.
Federation, str.	8 47	107 7	.84	SW	2	o.
Machew, str.	8 43	106 10	.91	SW/W	5	orq.
Australian, str.	7 11	121 52	.89	W	1	c.
Ingraban, str.	6 34	105 56	.88	SSW	3	c.
Sarpedon, str.	4 13	105 48	.92	S	2	k.
Lightning, str.	3 56	105 54	.91	SW	1	k.
Orono, str.	2 16	103 31	.89	S	2	k.
September 17th.						
H.M.S. Narcissus	42 50	134 37	30.01	NW	2	c.
Braemar, str.	40 45	151 38	.15	ESE	5	or.
Pakhoi, str.	38 54	117 56	29.91	SSW	4	b.
Bygdo, str.	37 40	122 10	.92	SSW	3	k.
Canton, str.	34 38	135 11	30.00	var.	1	k.
Wuotan, str.	34 22	123 4	.08	ESE	2	k.
Coptic, str.	32 44	135 12	29.91	SW	3	c.
Guthrie, str.	32 10	127 34	.96	WSW	2	o.
Tacoma, str.	30 56	122 13	30.03	SE	4	c.
Belgic, str.	30 16	126 25	.06	ENE	4	c.
Ancona, str.	29 32	125 27	.00	NNE	3	b.
Meefoo, str.	27 32	121 27	29.98	E	2	b.
Hikosan Maru, str.	24 46	118 50	.95	NE	4	b.
Sungkiang, str.	24 5	118 12	.91	NE	4	b.
Velocity, bk.	22 40	133 3	...	S	4	o.
Pathan, str.	22 25	115 36	...	E/N	4	og.
Chingping, str.	22 31	114 45	.92	ENE	5	orq.
Ask, str.	22 7	114 0	.88	ENE	4	op.
Strathallan, str.	21 46	113 34	.87	E	6	orq.
Freiburg, sh.	21 13	113 33	.85	var.	2	...

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
September 17th.						
Taichiow, str.	20° 46′	113° 10′	29.87	ESE	4	o.
L. Schepp, sh.	20 27	127 55	...	SE	2	o.
Hinsang, str.	20 9	109 59	.82	ENE	4	odg.
Decima, str.	19 51	112 22	.83	SE	2	oq.
Pekin, str.	18 19	113 58	.83	SE	4	o.
I.M.C.C. Likin	18 12	109 33	.78	NE	1	o.
Oanfa, str.	17 21	111 0	.80	ESE	4	c.
Kongbeng, str.	15 49	110 14	...	SSW	3	k.
Esmeralda, str.	14 35	120 57	.87	SW	2	c.
Australian, str.	11 26	121 19	.89	...	0	k.
Federation, str.	11 13	109 31	.84	WSW	4	o.
Keong Wai, str.	10 37	108 17	.84	SSW	4	c.
China, str.	10 18	107 18	.86	WSW	4	o.
Machew, str.	9 41	102 57	.90	W	4	g.
Siam, str.	9 10	106 47	.85	SSW	3	or.
Sarpedon, str.	7 44	108 38	...	SSW	3	k.
Lightning, str.	7 37	108 3	.85	SW	2	k.
Orono, str.	4 28	109 17	.88	SSW	2	...
Phra Nang, str.	3 35	104 17	.93	var.	1	k.
Ingraban, str.	2 59	104 49	.90	S	3	k.
September 18th.						
Braemar, str.	43 0	156 40	29.86	E	7	orq.
Bygdo, str.	36 41	122 51	.96	SSW	2	c.
Macduff, str.	33 56	129 52	...	N	2	c.
Coptic, str.	31 54	129 35	.94	var.	2	c.
Tacoma, str.	31 4	122 8	30.01	E	4	c.
Guthrie, str.	29 6	124 6	...	E	2	c.
Hikosan Maru, str.	26 44	121 31	.01	NE	2	b.
Ancona, str.	26 16	121 5	29.96	ENE	3	b.
Meefoo, str.	24 24	118 47	.88	NE	5	b.
Sungkiang, str.	22 51	116 26	.94	NE	2	b.
Velocity, bk.	22 41	131 54	...	S/E	1	or.
Cassius, str.	22 20	115 0	.83	E	4	c.
Hinsang, str.	21 37	113 16	.86	ENE	5	o.
Oanfa, str.	21 22	112 48	.88	E	3	orq.
Chunshan, str.	20 23	115 25	.87	S	4	c.
Strathallan, str.	20 10	110 3	.83	E	2	c.
L. Schepp, sh.	19 47	125 27	...	SE	2	o.
I.M.C.C. Likin	18 0	109 43	.84	NE	2	o.
Decima, str.	16 38	110 5	.83	S	1	o.
Australian, str.	15 11	119 0	.84	NW	1	k.
Esmeralda, str.	14 35	120 57	.89.	SW	2	c.
Federation, str.	14 10	109 33	.80	SW	4	k.
China, str.	12 43	109 32	.85	SSW	2	k.
Kongbeng, str.	11 58	109 22	...	SSE	4	k.
Sarpedon, str.	11 41	111 5	...	SSW	4	k.
Lightning, str.	11 21	110 54	.82	SW	2	k.
Siam, str.	11 15	110 20	.85	SW	4	b.
Keong Wai, str.	7 32	106 29	.88	SW	3	c.
Phra Nang, str.	7 29	102 59	.90	WSW	3	k.
Orono, str.	6 41	110 28	.89	...	0	...
Prinz Heinrich, str.	4 53	106 16	.91	S	1	k.
Radley, str.	4 18	106 20	...	NE	2	k.
September 19th.						
Braemar, str.	45 31	159 41	29.99	E	4	k.
Kalgan, str.	35 31	124 5	30.02	ENE	3	k.
Pakhoi, str.	34 54	122 24	.02	E	3	c.
Canton, str.	34 33	134 46	29.95	NNW	1	...
Verona, str.	34 28	138 41	30.01	SE	3	o.
Belgic, str.	33 42	132 5	.00	E	2	c.
Bygdo, str.	33 18	122 43	29.98	SSE	2	k.
Tacoma, str.	32 56	127 11	.99	NE	3	c.
Macduff, str.	31 22	125 51	...	N	2	c.
Hikosan Maru, str.	29 2	124 44	.99	NE	2	o.
Guthrie, str.	26 10	120 42	.89	ESE	2	k.
Cassius, str.	23 45	118 16	.90	NE	5	...
Ancona, str.	23 1	116 57	.90	NE	4	b.
Velocity, bk.	22 47	131 0	...	...	0	k.
Meefoo, str.	22 24	115 7	.88	NE	3	b.
Ningchow, str.	22 16	114 35	.89	E	3	k.
Strathallan, str.	20 58	107 4	.81	SE	2	o.
L. Schepp, sh.	20 7	123 19	...	SE	1	o.
Taicheong, str.	20 5	115 19	.88	ENE	3	c.
Australian, str.	19 1	116 32	.88	WNW	4	cpq.
I.M.C.C. Likin	17 58	109 47	.82	ENE	1	o.
Chunshan, str.	16 46	113 22	.85	SW	5	orq.
China, str.	15 48	110 14	.82	W	1	o.
Sarpedon, str.	15 29	113 6	...	SSW	4	k.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
September 19th.						
Lightning, str.	15° 4′	112° 43′	29.81	SW	4	og.
Siam, str.	14 43	112 18	.88	SW	2	o.
Esmeralda, str.	14 35	120 57	.89	SW	2	c.
Federation, str.	14 15	108 33	.80	W	2	o.
Decima, str.	12 35	109 30	.84	SSE	1	k.
Jacob Christensen, str.	9 57	107 11	.90	SW	2	...
Prinz Heinrich, str.	9 22	109 29	.91	W	3	c.
Orono, str.	9 16	111 31	.92	WSW	2	...
Kongbeng, str.	9 13	106 48	...	SSW	3	k.
Memnon, str.	8 34	119 17	.92	E	1	cm.
Radley, str.	7 34	108 42	...	S	2	c.
Victoria, str.	7 3	106 28	...	S	1	k.
Keong Wai, str.	4 2	105 28	.91	W	4	o.
September 20th.						
Braemar, str.	47 40	164 50	30.16	ENE	2	o.
Pingsuey, str.	34 34	138 37	29.92	NW	5	om.
Ariake Maru, str.	34 12	137 49	.92	N	1	c.
Canton, str.	33 56	129 49	30.01	NE	4	k.
Kalgan, str.	33 53	127 42	.01	E	4	k.
Hikosan Maru, str.	31 29	128 13	.04	...	...	...
Pakhoi, str.	31 16	121 49	.03	var.	2	c.
Bygdo, str.	29 47	122 45	.01	ESE	1	c.
Coptic, str.	29 19	125 0	29.94	SW	2	c.
Macduff, str.	28 19	122 40	30.06	NE/E	6	o.
Chingping, str.	27 16	120 41	.04	NNE	4	or.
Cassius, str.	25 18	120 34	29.91	NE	6	c.
Pekin, str.	24 56	119 41	.92	NE	6	o.
Ningchow, str.	24 10	118 14	.89	NE	5	o.
Guthrie, str.	23 17	117 30	.86	NNE	3	c.
Velocity, bk.	22 51	132 25	...	SW	1	k.
Hinsang, str.	22 21	114 58	.87	ENE	4	c.
Erato, str.	22 18	114 47	.91	E/N	5	c.
Cosmopolit, str.	22 14	114 24	.89	ENE	4	...
Strathallan, str.	20 58	107 4	.82	var.	2	op.
Federation, str.	19 54	108 57	.82	ESE	2	k.
L. Schepp, sh.	19 53	122 17	...	SSE	2	...
Sarpedon, str.	19 40	113 39	.87	var.	2	k.
Lightning, str.	19 8	113 45	.85	N	2	k.
China, str.	19 0	111 46	.87	ENE	1	o.
Siam, str.	18 0	114 10	.86	NNW	2	b.
I.M.C.C. Likin	17 59	109 47	.86	NE	1	c.
Yuensang, str.	16 32	119 43	.90	W/S	3	c.
Esmeralda, str.	14 35	120 57	.87	SW	2	c.
Prinz Heinrich, str.	14 1	112 10	.88	SW	2	or.
Chunshan, str.	13 9	111 17	.85	SSW	5	c.
Memnon, str.	12 23	119 24	.91	NW	2	c.
Orono, str.	12 9	112 49	.91	SW	3	o.
Radley, str.	10 50	111 32	...	WSW	4	q.
Victoria, str.	10 31	108 8	...	SW	2	k.
Kongbeng, str.	9 6	103 36	...	SW	3	k.
Jacob Christensen, str.	6 48	107 52	.92	SW	2	...
September 21st.						
Braemar, str.	49 0	171 0	30.05	SSW	3	o.
Belgic, str	34 22	138 12	29.86	NNW	2	c.
Tacoma, str.	34 6	133 5	.93	NE	3	b.
Kalgan, str.	33 45	131 51	.93	ENE	3	k.
Canton, str.	32 1	124 44	.91	SE	4	od.
Pekin, str.	29 9	122 17	.89	SE	4	k.
Lyeemoon, str.	27 28	121 18	.89	SE	2	c.
Cassius, str.	27 8	123 27	.93	ENE	5	c.
Bygdo, str.	26 45	121 3	.86	SE	2	o.
Ningchow, str.	26 34	120 44	.90	N	2	o.
Coptic, str.	25 25	120 5	.87	NW	3	c.
Macduff, str.	25 9	119 42	...	N	2	c.
Erato, str.	23 56	117 57	.88	NE	5	oq.
Hinsang, str.	23 42	117 46	.87	NE	5	c.
Cosmopolit, str.	23 1	116 47	.84	NE	4	...
Velocity, bk.	22 27	131 59	...	NE	3	o.
China, str.	21 46	113 44	.88	E/N	2	o.
Siam, str.	21 26	115 24	.87	NE/N	2	b.
L. Schepp, sh.	21 10	121 22	...	SSW	4	...
Strathallan, str.	20 58	107 4	.85	var.	2	op.
Yuensang, str.	20 22	119 17	.85	SW	4	c.
Prinz Heinrich, str.	19 20	113 42	.87	var.	1	og.
I.M.C.C. Likin	18 11	109 41	.86	SE	1	c.
Memnon, str.	16 7	117 44	.92	WNW	3	c.
Orono, str.	14 51	113 7	.89	SW	3	...
Radley, str.	14 37	113 27	...	WSW	3	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
September 21st.						
Victoria, str.	12° 55′	109° 25′	...	SSW	2	k.
Taicheong, str.	12 14	111 47	29.89	SW/S	4	c.
Kongbeng, str.	11 58	101 12	...	W	3	o.
Chunshan, str.	9 35	109 18	.90	WSW	4	b.
Jacob Christensen, str.	3 29	107 55?	.98	S	1	...
Amara, str.	2 41	108 25	.93	E	2	c.
September 22nd.						
Empress of China, str.	50 47	177 16	29.79	SW	5	or.
Nanchang, str.	38 22	119 48	30.03	S	1	k.
Chingping, str.	32 23	122 58	29.96	N	4	k.
Ningchow, str.	30 36	122 24	.92	N	3	c.
Cassius, str.	28 57	127 22	.84	var.	4	c.
Hinsang, str.	26 7	119 40	.87	NE	4	oq.
Erato, str.	26 3	121 37	.88	NE	5	oq.
Bygdo, str.	24 18	118 41	.83	E	1	k.
Yuensang, str.	24 6	118 1	.84	ENE	4	c.
Lyeemoon, str.	24 2	118 19	.85	NE/E	1	c.
Loongmoon, str.	23 30	117 42	.84	NE/E	4	c.
Velocity, bk.	22 6	130 4	...	SE	1	c.
Macduff, str.	22 3	116 51	.88	WNW	1	o.
Federation, str.	21 46	113 37	.86	NE	2	k.
Germania, str.	21 38	113 39	.86	WSW	3	k.
L. Schepp, sh.	21 10	119 4	...	SW	10	or.
Strathallan, str.	20 9	110 3	.87	...	0	k.
Memnon, str.	19 47	118 42	.86	...	0	c.
Radley, str.	18 31	114 6	...	N	2	o.
I.M.C.C. Likin	18 11	109 41	.87	S	1	c.
Orono, str.	17 31	113 18	.87	SW	3	o.
Zafiro, str.	16 53	118 25	.92	SW	3	c.
Victoria, str.	16 44	110 31	...	var.	2	k.
Esmeralda, str.	14 35	120 57	.92	SW	2	c.
Taicheong, str.	8 46	110 13	.90	WSW	4	c.
Amara, str.	6 21	109 16	.92	SSW	2	k.
Chunshan, str.	6 18	107 9	.91	SW	2	b.
Keong Wai, str.	5 20	103 31	.93	SW	3	c.
Bisagno, str.	2 58	105 21	...	E	2	b.
Jacob Christensen, str.	0 17	107 59	.96	var.	1	...
September 23rd.						
Empress of China, str.	49 14	167 4	29.76	E	6	c.
Chingping, str.	35 15	122 43	30.14	NNE	3	k.
Tacoma, str.	33 34	136 20	29.96	NE	3	orq.
Cassius, str.	31 5	131 11	.91	N	3	c.
Erato, str.	27 35	125 7	.95	NE	5	o.
Loongmoon, str.	26 41	120 11	.93	NNE	6	orq.
Thales, str.	23 10	119 35	...	SE	8	or.
Chi Yuen, str.	22 56	116 28	.89	NE/E	4	c.
Nanyang, str.	22 40	116 8	.89	E	4	c.
Yuensang, str.	22 34	115 39	.89	E	3	c.
Bygdo, str.	22 29	115 36	.90	NE	2	c.
Velocity, bk.	21 55	128 59	...	...	0	...
Strathallan, str.	21 32	113 2	.91	...	0	og.
L. Schepp, sh.	21 20	118 38	...	SW	2	o.
Sungkiang, str.	20 10	116 0	.92	E	2	cp.
Triumph, str.	20 5	110 25?	.86	SE	1	k.
Orono, str.	20 1	113 30	.90	var.	2	c.
Victoria, str.	19 48	112 35	...	var.	2	orq.
Zafiro, str.	19 34	116 22	.90	SW	2	c.
Macduff, str.	18 35	114 24	.90	SW	1	k.
Germania, str.	18 15	111 0	.87	SW	4	c.
I.M.C.C. Likin	18 11	109 41	.85	NE	1	c.
Esmeralda, str.	14 35	120 57	.90	SW	2	c.
Amara, str.	9 56	110 27	.88	W/S	2	k.
Keong Wai, str.	9 15	102 2	.91	NW	2	c.
Bisagno, str.	6 7	107 20	...	var.	2	o.
Taicheong, str.	5 17	107 45	.92	SW/S	3	c.
Hertha, str.	3 55	105 29	.91	E	3	c.
Kutsang, str.	3 40	105 47	...	E	3	c.
Chunshan, str.	2 50	104 48	.92	S	3	k.
September 24th.						
Empress of China, str.	46 34	158 29	29.94	ESE	4	o.
Chingping, str.	37 52	121 19	30.24	ENE	2	k.
Belgic, str.	36 53	143 27	29.98	NE	2	o.
Nestor, str.	33 35	129 37	...	N	1	o.
Keemun, str.	33 30	136 3	...	var.	3	k.
Cassius, str.	33 28	134 17	...	NNE	4	c.
Pakhoi, str.	31 36	122 20	30.08	E	6	o.
Loongmoon, str.	30 19	122 34	.07	ENE	3	o.
Erato, str.	29 24	129 11	.00	NNE	4	c.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
September 24th.						
Cosmopolit, str.	25° 33′	112° 55′	29.99	NNE	6	o.
Chi Yuen, str.	24 53	118 58	.94	NE/N	5	ogq.
Nanyang, str.	24 31	118 52	.93	NE	5	or.
Thales, str.	24 28	118 3	...	NE	5	or.
Velocity, bk.	21 40	127 28	...	N	2	c.
L. Schepp, sh.	21 33	118 15	...	...	0	o.
I.M.C.C. Likin	18 19	110 21	.90	SSE	2	c.
Sungkiang, str.	16 47	118 40	.96	var.	1	c.
Esmeralda, str.	14 35	120 57	.92	SW	1	c.
Germania, str.	14 26	109 40	.89	SSE	4	c.
Amara, str.	13 45	111 58	.88	SSW	1	k.
Bisagno, str.	9 31	109 34	...	var.	2	o.
Hertha, str.	7 28	107 26	.91	W	4	cg.
Kutsang, str.	7 13	108 9	.89	WNW	3	c.
Taicheong, str.	1 57	105 10	.93	S	2	c.
September 25th.						
Empress of China, str.	43 13	150 30	29.87	NW	1	c.
Belgic, str.	39 28	148 39	.98	N	5	c.
Pakhoi, str.	35 55	122 37	.98	E	4	o.
Nanchang, str.	35 35	122 48	30.01	SE	1	o.
Ariake Maru, str.	33 24	125 41	.05	NNW	2	b.
Nestor, str.	31 40	124 25	...	E	2	p.
Nanyang, str.	27 25	121 25	29.92	NNW	2	c.
Chi Yuen, str.	26 9	120 26	.94	NE	2	k.
Thalès, str.	24 28?	118 4?	...	var.	2	k.
Oslo, str.	21 39	113 41	.94	SW	4	c.
Velocity, bk.	21 27	125 51	...	E	3	b.
L. Schepp, sh.	21 13	116 55	...	SSW	2	...
I.M.C.C. Likin	18 9	109 39	.91	E	1	c.
Amara, str.	17 14	113 18	.92	ESE	1	k.
Sungkiang, str.	14 35	120 57	.93	...	2	c.
Esmeralda, str.	14 35	120 57	.93	SW	1	c.
Bisagno, str.	12 49	111 49	...	NE	2	b.
Macduff, str.	11 7	110 18	.90	S	1	k.
Hertha, str.	10 57	109 10	.88	SW	1	c.
Kutsang, str.	10 57	110 38	.88	NNE	2	c.
Germania, str.	10 28	108 7	...	W	3	c.
Manila, str.	4 57	106 12	.88	E	3	k.
September 26th.						
Belgic, str.	41 59	154 14	30.15	NNW	4	c.
Empress of China, str.	39 25	143 28	29.98	SSW	4	c.
H.M.S. Narcissus	38 27	130 0	.94	E	4	c.
Pakhoi, str.	37 35	121 25	.99	...	0	b.
Verona, str.	35 9	139 42	30.01	N	1	ond.
Erato, str.	33 51	136 59	29.95	ENE	5	orq.
Ariake Maru, str.	33 30	131 52	.89	N	2	o.
Nanchang, str.	31 35	123 6	.94	NE	4	orq.
Nanyang, str.	31 0	122 10	.90	NW	2	...
Canton, str.	30 0	122 38	.87	SW	2	o.
Chi Yuen, str.	29 22	122 14	.92	NNE	2	oq.
Hinsang, str.	28 42	122 3	.87	NNE	2	om.
Ancona, str.	24 6	118 40	...	S	2	c.
Prinz Heinrich, str.	23 52	118 9	.95	SW	1	b.
Thales, str.	23 20	116 44	...	SW	2	c.
L. Schepp, sh.	21 27	116 5	...	...	0	...
Velocity, bk.	21 15	124 0	...	E	2	c.
Amara, str.	21 0	113 42	.93	...	0	k.
Oslo, str.	18 37	111 23	.90	SSE	1	k.
I.M.C.C. Likin	18 12	109 33	.91	ENE	1	c.
Esmeralda, str.	16 43	119 15	.85	NNW	1	c.
Bisagno, str.	16 9	113 3	...	NE	3	b.
Sungkiang, str.	14 35	120 57	.91	NE	2	c.
Kutsang, str.	14 40	112 23	.89	NE	4	c.
Hertha, str.	14 30	110 5	.90	NE	2	c.
Chowtai, str.	9 11	103 26	.90	...	0	k.
Manila, str.	8 44	109 1	.88	NNE	2	c.
Germania, str.	6 40	106 4	.88	S	3	c.
September 27th.						
Belgic, str.	43 41	160 7	30.19	E	5	o.
Pakhoi, str.	40 43	122 14	.07	N	8	o.
Wuotan, str.	40 3	121 32	.11	NNW	5	k.
H.M.S. Narcissus	38 27	130 0	29.94	SW	1	c.
Empress of China, str.	35 11	139 43	30.00	N	3	b.
Verona, str.	33 53	135 2	29.94	NW	2	c.
Hikosan Maru, str.	31 17	127 40	30.04	N	1	b.
Pingsuey, str.	29 38	127 55	29.97	W	3	c.
Prinz Heinrich, str.	28 13	121 57	.94	...	0	b.
Nanchang, str.	27 51	121 51	.95	SW	1	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
September 27th.						
Ancona, str.	27° 31′	122° 58′	...	W	1	c.
Canton, str.	26 3	120 ...	29.94	SSW	3	k.
Choysang, str.	25 11	119 42	.92	SW	1	c.
Meefoo, str.	22 54	116 39	.95	SW	2	b.
China, str.	22 1	113 53	.94	SSE	1	k.
L. Schepp, sh.	21 51	115 35	...	...	0	...
Velocity, bk.	21 6	124 1	...	E	3	b.
Taichiow, str.	20 50	114 42	.96	var.	1	c.
Esmeralda, str.	20 49	118 52	.89	...	0	c.
Bisagno, str.	19 47	113 55	...	NNE	2	b.
I.M.C.C. Likin	18 49	108 22	.92	S	1	b.
Kutsang, str.	18 26	113 37	.90	NNE	3	c.
Hertha, str.	18 16	111 17	.92	NE/N	2	c.
Oslo, str.	14 59	110 12	.90	SE	2	k.
Sungkiang, str.	14 35	120 57	.91	N	1	p.
Manila, str.	12 44	111 44	.87	NE	3	k.
Chowtai, str.	9 13	106 55	.91	E	2	k.
Ingraban, str.	3 49	105 6	.90	N	2	oq.
Germania, str.	2 45	104 40	...	...	0	c.
September 28th.						
Belgic, str.	45 30	166 27	30.30	ENE	2	o.
Pakhoi, str.	40 43	122 14	.04	NE	2	o.
H.M.S. Narcissus	34 58	129 59	29.95	NE	3	c.
Java, str.	33 32	135 25	.92	N	3	k.
Malacca, str.	32 4	126 9	.97	NE/E	3	or.
Ancona, str.	30 42	127 17	30.00	NNE	2	c.
Hikosan Maru, str.	29 0	124 57	.02	S	1	b.
Choysang, str.	28 51	122 7	29.91	var.	1	c.
Meefoo, str.	25 30	120 0	.90	SE	2	b.
Nanchang, str.	24 48	119 13	.97	SW	1	k.
Velocity, bk.	21 11	122 2	...	ENE	5	c.
China, str.	18 53	111 35	.91	E	1	c.
Taichiow, str.	17 57	111 28	.96	SE	1	c.
Manila, str.	16 56	113 19	.91	NE/N	3	k.
Sungkiang, str.	14 35	120 57	.88	SW	1	b.
Chowtai, str.	12 4	109 23	.90	NNE	3	k.
Oslo, str.	11 12	108 51	.90	NE	2	cp.
Ingraban, str.	7 28	106 22	.92	NNE	2	cq.
September 29th.						
Belgic, str.	46 49	173 13	30.47	E/S	3	c.
Pakhoi, str.	40 43	122 14	.04	NE	2	c.
Wuotan, str.	35 41	122 43	.14	N	1	k.
Kalgan, str.	34 36	134 55	.01	NNE	4	...
H.M.S. Narcissus	34 35	129 9	.01	NE	3	c.
Empress of China, str.	34 15	135 0	.02	NNE	4	c.
Verona, str.	33 50	131 28	.04	N	2	b.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
September 29th.						
Meefoo, str.	28° 48′	122° 3′	29.98	NE	3	c.
Hikosan Maru, str.	26 39	122 12	30.04	SW	1	b.
Nanchang, str.	22 38	115 56	.00	SW	1	k.
Esmeralda, str.	22 20	115 2	29.97	SW/W	1	c.
Velocity, bk.	22 4	119 34	...	N/E	4	c.
Pingsuey, str.	22 3	123 44	30.01	E	3	c.
Manila, str.	21 28	113 53	29.96	NE/N	2	k.
Zafiro, str.	20 57	115 19	30.00	NE	4	c.
I.M.C.C. Likin	20 4	110 20	29.94	E	1	c.
Chowtai, str.	15 25	110 18	.89	NE	3	k.
China, str.	15 21	110 8	.87	NE/N	3	k.
Sungkiang, str.	14 35	120 57	.80	NW	2	o.
Taichiow, str.	14 22	109 51	...	E	2	c.
Decima, str.	11 26	109 56	.88	NE	4	c.
Ingraban, str.	10 47	108 29	.91	NE	3	orq.
Chowfa, str.	8 40	106 8	...	var.	1	og.
Oslo, str.	8 38	105 40	...	SE	1	p.
September 30th.						
Pakhoi, str.	40 43	122 14	30.11	NE	2	c.
Chingping, str.	38 45	118 29	.20	ESE	1	k.
Java, str.	34 40	138 49	.03	NE	5	...
Ancona, str.	33 51	132 23	...	ENE	2	b.
Malacca, str.	33 50	132 14	.07	E	2	b.
Empress of China, str.	33 42	132 9	.03	ENE	3	b.
Wuotan, str.	32 6	123 17	.06	SE	3	or.
El Capitan, sh.	31 59	124 2	...	E/N	2	k.
Loongmoon, str.	30 24	122 35	.01	SE	5	c.
Hikosan Maru, str.	24 46	119 21	29.97	NE	2	b.
Bygdo, str.	23 38	117 31	.94	NE	3	o.
Canton, str.	23 16	117 29	.97	NNE	4	k.
Velocity, bk.	22 21	117 21	...	N/E	3	c.
Federation, str.	22 16	114 58	.94	NE	4	b.
Ask, str.	21 56	113 46	.94	var.	2	op.
I.M.C.C. Likin	20 4	110 20	.92	NW	1	c.
Memnon, str.	19 18	115 16	.89	E	3	c.
Chowtai, str.	18 50	111 43	...	N	4	k.
Pingsuey, str.	18 43	120 37	.84	NE	5	cq.
Zafiro, str.	17 43	117 49	.88	NE	6	c.
Sungkiang, str.	14 35	120 57	.75	NW	...	o.
Decima, str.	14 9	110 26	.86	N	4	c.
Ingraban, str.	13 33	109 28	.87	var.	3	orq.
Chowfa, str.	11 30	109 11	.84	NE	2	ok.
China, str.	11 18	109 2	.87	SW	1	o.
Oslo, str.	10 10	102 38	.92	WNW	3	p.
Taichiow, str.	10 5	108 39	.92	WSW	3	o.
Teenkai, str.	3 54	105 57	...	...	0	...

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
October 1st.						
Pakhoi, str.	40° 43′	122° 14′	29.90	SE	7	c.
Ghazee, str.	37 32	141 32	30.04	NNE	4	op.
Keemun, str.	37 16	141 30	.02	var.	4	orq.
Ancona, str.	34 40	135 11	.06	SE	2	od.
Cassius, str.	34 10	137 23	.00	N	5	od.
El Capitan, sh.	32 55	124 16	...	ESE	5	o.
Dardanus, str.	32 45	126 32	.06	ENE	3	k.
Glenavon, str.	30 16	122 35	29.94	SE	4	k.
Verona, str.	29 49	125 51	.99	N	2	c.
Wuotan, str.	28 39	122 50	.99	NE	1	k.
Nestor, str.	27 45	126 35	...	...	0	k.
Loongmoon, str.	26 12	120 32	.97	E	5	b.
Bygdo, str.	25 17	119 41	...	NE	3	c.
Cosmopolit, str.	24 6	118 25	.88	NNE	5	c.
Federation, str.	23 44	118 8	.86	NE	5	c.
Hikosan Maru, str.	22 51	116 27	.94	NE	2	c.
Victoria, str.	22 26	115 32	.88	ENE	2	k.
Manila, str.	22 21	114 45	.92	ENE	5	k.
Chowtai, str.	21 53	113 52	.87	ENE	5	k.
Ask, str.	20 10	110 32	.86	var.	3	o.
I.M.C.C. Likin	20 4	110 20	.86	NE	1	c.
Decima, str.	17 23	110 56	.81	NE	6	orq.
Ingraban, str.	16 41	108 42	.84	NE	4	orq.
Memnon, str.	15 38	116 22	.71	SE	7	cq.
Zafiro, str.	14 54	120 3	.83	SE	3	c.
Chowfa, str.	14 43	110 17	.72	N	5	or.
Sungkiang, str.	14 35	120 57	.77	SE	2	b.
Pingsuey, str.	14 35	120 12	.77	var.	3	c.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	Wind. For. 0-12	Weather.
October 1st.						
Teenkai, str.	7° 46′	108° 18′	...	SW	5	orq.
Taichiow, str.	6 58	107 6	29.83	SW	5	c.
Nanshan, str.	4 35	105 18	.82	S	1	k.
Shantung, str.	3 48	108 39	.87	SW	4	ortql.
October 2nd.						
Ghazee, str.	41 44	141 22	30.04	...	0	k.
Keemun, str.	41 34	141 2	.05	var.	3	k.
Pakhoi, str.	40 43	122 14	.14	N	7	c.
Chingping, str.	35 43	122 44	.06	E	3	k.
Ancona, str.	34 14	138 2	.10	ENE	4	odg.
Kalgan, str.	33 58	129 53	.02	E	4	k.
Empress of China, str.	31 39	125 8	29.99	ESE	3	b.
Irene, str.	31 25	131 27	30.02	...	...	c.
Chi Yuen, str.	30 48	122 11	...	N	2	o.
El Capitan, sh.	30 30	124 51	...	SE	6	...
Hinsang, str.	28 1	121 40	29.95	NE	1	c.
Bygdo, str.	27 54	121 53	.95	NE/N	2	k.
Verona, str.	26 47	121 49	.97	ESE	3	cp.
Glenavon, str.	26 28	120 41	.96	NE	3	k.
Wuotan, str.	25 42	120 26	.94	NE	3	k.
Federation, str.	25 42	120 55	.94	ENE	5	b.
Manila, str.	24 21	118 30	.91	NE	5	k.
Loongmoon, str.	22 56	116 41	.87	NE	5	b.
Cosmopolit, str.	22 24	115 30	.89	ENE	5	k.
Ask, str.	21 14	109 6	.85	NE	4	o.
I.M.C.C. Likin	20 4	110 20	.79	ENE	4	cp.
Decima, str.	20 3	111 59	.81	ENE	7	oq.
Ingraban, str.	19 51	108 48	.83	NE	6	orq.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
October 2nd.						
Chowfa, str.	17° 24′	110° 46′	29.67	NNE	5	q.
Zafiro, str.	14 35	120 34	...	SW	1	c.
Sungkiang, str.	14 35	120 57	.78	SW	2	c.
Memnon, str.	12 41	117 45	.77	SW	4	or.
Teenkai, str.	11 13	111 22	.65	W	6	orq.
Namyong, str.	8 55	109 31	.72	W	...	q.
Nanshan, str.	8 30	106 45	.72	WSW	4	p.
Shantung, str.	7 9	109 29	.80	SW	5	orq.
Taichiow, str.	3 50	105 54	.89	SW/S	4-5	o.
October 3rd.						
Pakhoi, str.	40 43	122 14	30.26	NE	5	c.
Ocampo, str.	40 11	138 18	.11	NW	5	k.
Chingping, str.	32 24	122 23	.08	ENE	4	o.
El Capitan, sh.	32 20	126 16	...	NE	6	...
Kalgan, str.	31 37	125 58	.04	SW	2	k.
Bygdo, str.	31 8	122 56	.03	NE	2	k.
H.M.S. Narcissus	30 52	127 31	.10	W	1	c.
Irene, str.	29 19	127 22	.04	SE	2	c.
Hongkong, str.	28 49	124 10	.01	ENE	4	c.
Federation, str.	27 45	124 20	.04	ENE	4	b.
Manila, str.	27 41	121 28	.04	NE/E	4	k.
Chi Yuen, str.	27 37	121 12	.01	ENE	2	k.
Hinsang, str.	24 56	119 31	29.89	NE/E	5	c.
Verona, str.	23 40	117 57	.88	NE	6	c.
Glenavon, str.	23 10	117 25	.85	NNE	5	op.
Yuensang, str.	21 29	114 57	.90	NE	5	b.
Ingraban, str.	20 11	110 32	.84	E	5	orq.
I.M.C.C. Likin	20 4	110 20	.81	E	5	op.
Chowfa, str.	19 14	112 38	.80	E	4	k.
Progress, str.	16 28	108 28	.75	ENE	5	orq.
Teenkai, str.	14 43	112 53	...	SE	4	orq.
Sungkiang, str.	14 35	120 57	.78	W	3	p.
Zafiro, str.	14 35	120 57	.82	W	5	c.
Namyong, str.	11 56	111 36	...	WSW	...	q.
Nanshan, str.	11 35	109 15	...	W	4	k.
Shantung, str.	10 12	110 48	.83	var.	4	ortl.
Memnon, str.	9 0	117 8	83	SW	3	om.
Mongkut, str.	8 29	105 36	.78	W	4	c.
Kintuck, str.	3 56	105 57	.88	SSW	4	k.
October 4th.						
Pakhoi, str.	40 43	122 14	30.10	SW	2	o.
Ocampo, str.	38 21	135 18	.30	E	3	og.
Java, str.	35 50	132 20	.13	ENE	4	o.
Bygdo, str.	34 43	122 43	29.99	E	2	or.
El Capitan, sh.	31 40	127 1	...	SE/S	2	k.
Choysang, str.	31 18	121 46	30.04	SE	3	c.
Federation, str.	29 47	128 29	.06	E	4	b.
Chingping, str.	29 20	122 28	29.98	SE	2	k.
Kalgan, str.	29 0	122 31	30.01	SE	4	k.
Meefoo, str.	28 59	122 12	29.94	SE	2	b.
H.M.S. Narcissus	28 55	124 42	.96	SSE	4	c.
Irene, str.	27 17	123 6	.93	ESE	4	c.
Victoria, str.	26 40	120 15	.92	NE/N	4	k.
Chi Yuen, str.	26 30	119 ...	.82	NE/N	8	oq.
Nestor, str.	25 40	120 2	...	NE	5	o.
Hinsang, str.	22 36	116 0	.78	E	2	c.
Cosmopolit, str.	22 28	114 50	.79	NNW	2	k.
Ingraban, str.	21 50	113 42	.83	NE	2	k.
Victoria, str.	21 26	115 3	...	N	4	k.
Amara, str.	21 22	114 17	...	SE	2	o.
Chowfa, str.	21 21	115 16	...	NE	5	k.
Strathallan, str.	20 58	107 4	.87	SE	4	k.
Tsinan, str.	20 29	115 20	.79	NE	6	o.
Deucalion, str.	20 12	115 32	.82	ENE	4	o.
Ask, str.	20 10	110 2	.82	ESE	3	o.
I.M.C.C. Likin	20 4	110 20	.73	NW	1	c.
Kutsang, str.	19 22	112 16	.75	ENE	3	...
Glenavon, str.	19 11	114 57	.74	NNE	6	o.
Bisagno, str.	19 9	113 48	...	NE	3	o.
Teenkai, str.	18 54	113 46	.73	N/E	3	o.
Progress, str.	18 32	110 28	.72	ENE	5	orq.
Yuensang, str.	18 0	117 47	.52	NNW	7	or.
Namyong, str.	15 16	112 33	...	var.	...	...
Nanshan, str.	14 37	109 11	...	S	1	k.
Zafiro, str.	14 35	120 57	...	WSW	10	c.
Sungkiang, str.	14 35	120 57	.61	WSW	9	cgq.
Shantung, str.	13 52	113 18	.78	SSW	3	k.
Mongkut, str.	10 55	108 31	.78	SW	4	o.
October 4th.						
Keong Wai, str.	10° 28′	102° 15′	...	WNW	5	orq.
Kintuck, str.	7 39	108 14	29.79	SSW	4	cp.
Memnon, str.	6 47	116 52	.82	...	0	b.
Catherine Apcar, str.	4 14	105 42	...	SE	4	k.
Chunshan, str.	3 27	105 12	.84	S	3	k.
Taicheong, str.	1 19	104 13	.81	SSE	5	cg.
October 5th.						
Pakhoi, str.	40 43	122 14	30.14	NE	8	o.
Bygdo, str.	37 32	121 48	.02	NNE	2	or.
Ocampo, str.	36 28	132 28	29.87	ESE	6	or.
Cassius, str.	34 34	138 54	30.04	var.	2	c.
Coptic, str.	33 40	130 0	29.98	NE	4	c.
El Capitan, sh.	32 31	129 15	...	W	...	k.
Federation, str.	31 50	132 30	30.01	var.	2	b.
Victoria, str.	30 49	122 15	29.96	...	0	k.
Fooksang, str.	28 1	121 46	.91	var.	3	p.
Choysang, str.	27 34	121 24	.93	SE	3	opq.
H.M.S. Narcissus	26 42	121 43	.84	E/S	2	c.
Chi Yuen, str.	26 30	119 ...	.75	NE	8	oq.
Kalgan, str.	25 53	120 19	.71	E/N	6-8	o.
Meefoo, str.	25 47	120 14	.73	ENE	6	c.
Irene, str.	24 46	119 20	.71	NE	5	cp.
Cosmopolit, str.	23 4	116 40	.70	NE	7	or.
Progress, str.	20 52	112 56	.62	N/E	8	q.
Strathallan, str.	20 7	110 13	.72	NE	4	c.
I.M.C.C. Likin	20 4	110 20	.66	NNE	3	c.
Victoria, str.	19 10	112 23	...	WNW	2	orqlt.
Nanshan, str.	18 35	107 54	.70	N	4	o.
Amara, str.	18 17	113 45	...	NW	8	orq.
Namyong, str.	18 12	112 23	...	W	8	or.
Shantung, str.	17 1	113 29	.61	WSW	7	o.
Deucalion, str.	16 46	114 35	.60	NW	7	...
Kutsang, str.	15 41	110 18	.62	WNW	3	...
Bisagno, str.	15 31	112 52	...	W	4	o.
Yuensang, str.	15 27	119 34	.71	SSW	7	cq.
Glenavon, str.	15 22	112 51	.67	SW	5	op.
Zafiro, str	14 35	120 57	.80	WSW	2	k.
Sungkiang, str.	14 35	120 57	.80	SW	2	c.
Mongkut, str.	13 39	110 15	.74	W	2	or.
Kintuck, str.	11 20	111 0	.75	SW	4	or.
Keong Wai, str.	8 30	105 34	.72	WSW	4	od.
Catherine Apcar, str.	7 42	108 17	.75	WSW	3	k.
Chunshan, str.	7 17	107 20	.76	SW	4	o.
Melbourne, str.	4 51	107 35	.81	SSW	3	o.
Taicheong, str.	4 41	106 13	.79	S/W	5	om.
October 6th.						
Pakhoi, str.	40 43	122 14	30.21	N	7	c.
Ocampo, str.	34 43	129 21	29.99	E	2	k.
Coptic, str.	34 25	134 10	.98	NE	4	c.
Java, str.	31 55	125 25	.93	SE	1	c.
Ariake Maru, str.	31 5	127 16	30.00	NE	2	c.
Chingping, str.	25 20	119 52	29.80	NE	1	o.
Fooksang, str.	25 0	119 30	.86	var.	2	k.
H.M.S. Narcissus	24 33	119 8	.81	W	1	c.
Choysang, str.	24 20	118 43	.87	var.	1	c.
Kalgan, str.	23 33	117 22	.79	var.	2	orq.
Meefoo, str.	23 20	117 29	.83	var.	1	or.
Irene, str.	22 37	115 51	.73	SE/E	5-7	oq.
Nestor, str.	22 26	115 21	...	ESE	7	o.
Nanshan, str.	20 59	107 0	.49	W	4	o.
I.M.C.C. Likin	20 4	110 20	.44	NW/W	6-7	orq.
Namyong, str.	19 10	113 23	...	SSE	7	...
Shantung, str.	18 27	115 3	.65	SSW	6	o.
Mongkut, str	17 2	110 36	.62	SW	5	c.
Amara, str.	16 34	116 5	...	SSW	6	o.
Victoria, str.	16 28	109 26	...	WSW	4	c.
Kintuck, str.	15 6	112 35	.67	SW	5	c.
Deucalion, str.	14 50	117 14	.82	SW	5	o.
Zafiro, str.	14 35	120 57	.84	WSW	1	k.
Sungkiang, str.	14 35	120 57	.87	var.	1	b.
Bisagno, str.	13 20	111 34	...	SW	5	o.
Glenavon, str.	12 4	111 2	.73	SW	5	k.
Kutsang, str.	11 43	109 26	...	SW	6	...
Catherine Apcar, str.	11 11	111 7	...	W	3	cp.
Keong Wai, str.	10 47	106 42	.77	SW	4	orq.
Chunshan, str.	10 46	110 15	.73	SW	4	o.
Melbourne, str.	9 55	109 45	.75	S	3	o.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
October 6th.						
Taicheong, str.	8° 5′	108° 38′	29.78	SSW	4	cm.
Taichiow, str.	4 7	104 16	.83	S	4	o.
October 7th.						
Pakhoi, str.	37 35	121 25	30.24	NE	6	c.
Ocampo, str.	32 40	126 57	.07	N	3	o.
Ariake Maru, str.	28 43	123 54	.03	NNE	2	c.
Chingping, str.	23 20	117 32	29.84	SE	3	o.
Cosmopolit, str.	22 59	120 13	.87	SE	1	k.
Fooksang, str.	22 58	116 37	.85	SE	7	orq.
H.M.S. Narcissus	22 46	116 32	.82	S/E	1	c.
Tsinan, str.	21 57	114 30	.79	SSE	5	k.
Namyong, str.	21 30	114 0	...	SSE	4	m.
Shantung, str.	21 10	113 54	.77	SSE	3	o.
Nanshan, str.	20 59	107 0	.60	NW	3	...
Ask, str.	20 30	111 18	.70	SSW	2	o.
Strathallan, str.	20 29	112 34	.69	...	...	...
I.M.C.C. Likin	20 4	110 20	.71	WNW	2	og.
Mongkut, str.	19 54	112 33	.74	S	4	o.
Kintuck, str.	19 2	113 37	.77	SSW	5	o.
Sungkiang, str.	16 18	119 34	.90	NE	2	o.
Catharine Apcar, str.	14 52	112 57	.77	SSE	4	k.
Zafiro, str.	14 35	120 57	.82	WSW	2	p.
Chunshan, str.	14 31	112 16	.80	SSE	5	k.
Amara, str.	14 17	114 43	...	SSW	5	...
Deucalion, str.	12 12	119 31	.94	var.	2	k.
Taicheong, str.	11 19	111 29	.85	SSW	4	cm.
Keong Wai, str.	10 47	106 42	.81	SW	5	o.
Bisagno, str.	10 39	110 12	...	S	4	o.
Glenavon, str.	8 37	109 33	.85	SSW	5	k.
Kutsang, str.	8 10	109 0	.76	SW/S	4	...
Taichiow, str.	8 3	102 40	.80	WSW	4	o.
Ceres, str.	3 53	105 37	.84	SW	5	cm.
October 8th.						
Keemun, str.	41 24	140 19	30.01	NE	4	or.
Pakhoi, str.	37 35	121 25	.16	NE	2	o.
Victoria, str.	33 0	126 33	.03	ENE	4	o.
Ocampo, str.	30 17	124 26	29.98	E	7	or.
Ariake Maru, str.	26 0	120 49	.96	SE	5	b.
Cosmopolit, str.	22 59	120 13	.85	NW	3	c.
Kalgan, str.	22 42	116 19	.82	SE	4	k.
Hikosan Maru, str.	22 20	115 1	.82	SE	1	c.
Nanshan, str.	20 59	107 0	.72	NW	4	k.
Sunkiang, str.	20 28	118 46	.90	ENE	3	b.
I.M.C.C. Likin	20 4	110 20	.80	N	1	o.
Tsinan, str.	19 0	117 0	.87	SSE	4	c.
Catherine Apcar, str.	18 54	113 27	...	S	4	o.
Chunshan, str.	18 30	113 38	.84	SW	2	k.
Taicheong, str.	15 10	113 8	.84	SW	5	c.
Zafiro, str.	14 35	120 57	.85	WSW	3	p.
Amara, str.	12 2	112 55	...	SW	4	k.
Taichiow, str.	11 59	101 15	.87	WSW	3	c.
Keong Wai, str.	10 47	106 42	.86	SW	3	o.
Victoria, str.	10 9	108 4	...	WNW	2	orq.
Deucalion, str.	8 47	119 24	.92	NW	1	k.
Bisagno, str.	7 45	108 56	...	SW	3	c.
Ceres, str.	7 39	108 16	.88	SW	3	c.
Glenavon, str.	5 23	107 9	.86	SW	3	k.
Kutsang, str.	5 2	106 56	.79	SW/S	3	...
October 9th.						
Bygdo, str.	40 2	121 30	30.13	NNE	4	or.
Keemun, str.	38 1	141 43	.09	var.	3	k.
Pakhoi, str.	35 22	123 50	.08	E	4	c.
Dardanus, str.	29 43	122 14	29.95	NNW	4	k.
Fushun, str.	26 21	120 39	.90	NE	4	k.
Sungkiang, str.	24 23	118 32	.87	N	4	c.
Hikosan Maru, str.	24 8	118 26	.81	NE	3	b.
Ariake Maru, str.	23 44	118 4	...	NNE	5	b.
Cosmopolit, str.	22 59	120 13	.78	NW	2	k.
Loongmoon, str.	22 31	115 28	.85	E	4	oq.
Decima, str.	21 34	113 37	.85	NW	4	o.
Nanshan, str.	20 59	107 0	.90	N	4	k.
Esmeralda, str.	20 46	115 35	.82	E	2	o.
I.M.C.C. Likin	20 4	110 20	.85	WNW	1	c.
Kalgan, str.	19 48	114 0	.81	S	4	k.
Taicheong, str.	19 1	113 52	.83	NE	2	c.
Tsinan, str.	15 ...	119 0	.78	W	5	c.
Ceres, str.	11 15	110 58	.81	WNW	4	c.
Keong Wai, str.	10 47	106 42	.86	WSW	3	o.
October 9th.						
Melbourne, str.	10° 19′	107° 40′	29.89	WSW	2	c.
Amara, str.	9 50	111 1	...	WSW	5	k.
Machew, str.	8 37	106 4	.94	SW	3	b.
Phra Chom Klao, str.	8 33	105 36	...	WSW	2	c.
Victoria, str.	7 19	107 1	...	WSW	2	c.
Bisagno, str.	4 59	106 46	...	SW	2	c.
Brindisi, str.	4 11	105 30	.93	S	3	c.
Glenavon, str.	1 58	104 28	.93	S	3	k.
Kutsang, str.	1 38	104 37	.80	E	2	...
Fort Stuart, sh.	0 9	164 24	.93	var.	4	oq.
October 10th.						
Keemun, str.	34 35	135 11	...	var.	4	op.
Malacca, str.	34 35	134 37	...	NNW	2	c.
Pakhoi, str.	33 49	127 44	30.04	N	5	c.
Sendai Maru, str.	32 24	128 58	29.98	NNW	3	c.
Manila, str.	31 43	125 29	30.04	NNE	5	c.
Prinz Heinrich, str.	29 36	122 35	.08	ENE	4	our.
Ocampo, str.	25 48	120 17	29.90	NNE	9	oq.
Hikosan Maru, str.	25 33	119 40	.87	NNE	7	o.
Fushun, str.	23 46	117 34	.85	NNE	6	cdq.
Namoa, str.	23 20	116 43	.85	NW	7	o.
Chi Yuen, str.	23 15	117 41	.84	NE/N	8	odp.
Verona, str.	23 8	117 16	.77	NE	6-7	c.
Cosmopolit, str.	22 59	120 13	.71	N/W	2	k.
Sungkiang, str.	22 33	115 39	.84	N	3	c.
Ariake Maru, str.	22 14	114 21	.85	NNW	5	c.
Nanshan, str.	20 31	108 0	.89	NE	5	...
I.M.C.C. Likin	20 3	110 20	.87	NNE	2	og.
Hinsang, str.	19 24	113 38	.82	N	3	odp.
Decima, str.	18 30	111 28	.84	NW/N	5	opq.
Esmeralda, str.	17 46	118 5	.57	W/N	7-8	o.
Kalgan, str.	15 56	113 18	.77	var.	2	k.
Ceres, str.	15 8	112 46	.79	NNW	5	cp.
Zafiro, str.	14 35	120 57	.80	WSW	2	p.
Melbourne, str.	12 2	109 27	.86	...	0	c.
Machew, str.	11 33	109 10	.84	N	2	c.
Phra Chom Klao, str.	11 8	108 55	...	SW	4	o.
Tsinan, str.	11 ...	121 ...	.85	SSW	4	o.
Keong Wai, str.	10 47	106 42	85.	SW	3	or.
Brindisi, str.	7 50	108 3	.90	SW	4	c.
Amara, str.	7 5	108 57	...	W	5	q.
Victoria, str.	4 22	105 38	...	SSW	3	o.
Bisagno, str.	1 55	104 54	...	SW	2	o.
Propontis, str.	1 45	104 36	.97	N/E	1	k.
Fort Stuart, sh.	1 3	163 20	.97	W	2	k.
Chingtu, str.	1 1	125 25	.98	WSW	4	c.
October 11th.						
Ghazee, str.	40 20	138 35	29.91	NNW	7-10	oq.
Coptic, str.	34 41	146 13	.84	NNW	6	c.
Ancona, str.	34 36	138 56	.97	ENE	2	b.
Australian, str.	34 0	130 52	30.11	N	4	b.
Pakhoi, str.	33 45	131 51	.13	NE	7	c.
Sendai Maru, str.	30 50	125 30	.12	NNE	4	o.
Java, str.	28 41	122 15	.11	NE	5	or.
Hikosan Maru, str.	25 33	119 40	.00	NNE	8	o.
Loongmoon, str.	24 41	118 55	29.86	NE/N	8	orq.
Verona, str.	24 11	118 39	.91	NE/N	9	o.
Nanchang, str.	23 47	117 37	.88	NE	6	o.
Fushun, str.	23 46	117 34	.92	NE	4	orq.
Chi Yuen, str.	23 26	117 5	.86	NE	8	orq.
Tailee, str.	23 20	116 46	.85	...	...	od.
Cosmopolit, str.	23 13	119 42	.79	NE	8-9	q.
Ocampo, str.	22 45	117 48	.74	NE/N	9	oq.
Namoa, str.	22 40	115 30	.80	NE	10	orq.
Ask, str.	21 46	113 12	.80	N	4	o.
Nanshan, str.	20 33	111 30	.83	NE	5	...
Skarpsno, str.	20 14	110 6	...	N	2	o.
Knight of St. John, str.	20 3	110 20	.87	N	1	o.
Ceres, str.	18 26	113 31	.79	NNW	6	cq.
Melbourne, str.	16 36	110 54	.85	NNW	3	o.
Hinsang, str.	15 54	113 0	.85	N/W	3	c.
Esmeralda, str.	14 54	120 3	.79	S	7	o.
Zafiro, str.	14 35	120 57	.82	WSW	2	p.
Machew, str.	14 35	110 13	.85	NW	6	o.
Decima, str.	14 29	109 19	.87	NNW	2	c.
Phra Chom Klao, str.	14 4	110 1	...	NW	4	o.
Kalgan, str.	12 16	111 23	.86	WNW	4	4.
Brindisi, str.	11 11	110 51	.95	SW	3	or.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
October 11th.						
Keong Wai, str.	10° 47′	106° 42′	29.89	SW	2	o.
Kongbeng, str.	10 29	102 17	...	SW	4	od.
Tsinan, str.	7 ...	122 ...	.95	SE	4	k.
Propontis, str.	5 27	106 32	.98	SW	2	o.
Chingtu, str.	5 10	123 14	.94	ESE	2	c.
Amara, str.	3 5	108 29	...	S	4	k.
Fort Stuart, sh.	2 3	162 42	.98	WNW	2	k.
October 12th.						
Ghazee, str.	38 1	135 15	30.23	E	3	k.
Ancona, str.	34 40	135 11	.28	E	3	odg.
Coptic, str.	34 15	153 24	.14	NNW	5	c.
Manila, str.	33 57	129 50	.06	ENE	4	od.
Idzumi Maru, str.	33 57	135 3	...	N	4	k.
Federation, str.	33 49	137 24	...	E	5	b.
Erato, str.	33 46	134 49	.20	N	3	o.
Malacca, str.	31 48	127 2	.09	NNE	4	or.
Australian, str.	31 18	125 56	29.91	NE	2	od.
Sendai Maru, str.	28 55	124 24	...	NNE	4	or.
Loongmoon, str.	26 12	119 55	.81	N	7	oq.
Hikosan Maru, str.	25 33	119 40	.84	NNE	5	o.
H.M.S. Pique	25 11	121 25	.74	W	2	c.
Verona, str.	25 4	119 58	.76	NE/N	7	o.
Saratow, str.	24 53	119 30	.71	NNE	6	od.
Nanchang, str.	23 47	117 37	.61	N	9	orq.
Thales, str.	23 47	117 36	...	NE	9	orq.
Fushun, str.	23 46	117 34	.67	N	5	oq.
Cosmopolit, str.	23 33	119 30	.67	ESE-SE	9-10	q.
Chi Yuen, str.	23 20	116 44	.65	N/W	8	orq.
Ceres, str.	21 6	113 42	.84	NNW	7	c.
Melbourne, str.	20 31	112 47	.90	N	4	c.
Ocampo, str.	20 28	115 41	.78	NW	6	o.
Ask, str.	20 4	110 20	.93	NNW	3	o.
I.M.C.C. Likin	20 4	110 20	.93	NW	2	c.
Machew, str.	17 46	111 27	.95	N	4	o.
Phra Chom Klao, str.	17 26	110 32	...	NNE	4	b.
Brindisi, str.	14 48	112 43	.98	W/N	4	or.
Esmeralda, str.	14 35	120 57	.97	SW	5	k.
Zafiro, str.	14 35	120 57	...	SW	2	p.
Hinsang, str.	12 53	111 16	.97	WSW	2	o.
Keong Wai, str.	10 47	106 42	.95	SW	3	or.
Decima, str.	10 47	108 14	.95	WSW	4	o.
Chingtu, str.	9 30	121 40	.98	N/W	2	c.
Kalgan, str.	9 8	109 41	.94	WSW	4	k.
Propontis, str.	8 56	109 9	30.05	WNW	4	...
Kongbeng, str.	8 30	105 26	...	N	1	o.
Khedive, str.	4 32	105 48	.00	WSW	3	k.
Fort Stuart, sh.	3 15	161 55	29.96	SSW	1	k.
Tsinan, str.	3 ...	124 ...	30.00	SSE	4	k.
Amara, str.	0 37	108 9	...	SE	2	k.
October 13th.						
Hupeh, str.	36 11	179 20	30.01	WNW	8-7	cq.
Ghazee, str.	35 40	131 45	29.88	E	5	or.
Pakhoi, str.	34 40	135 10	.73	NE	9	o.
Ancona, str.	34 40	135 12	.77	NE	8	o.
Victoria, str.	34 20	138 32	.90	ENE	7	m.
Manila, str.	34 17	133 31	.70	NE	7	or.
Coptic, str.	33 14	160 6	30.15	NNE	3	c.
Erato, str.	32 12	133 22	29.79	SSE	9	orq.
Doric, str.	31 37	173 59	30.21	SSW	4	c.
Loongmoon, str.	28 48	121 59	.00	N	8	c.
Australian, str.	28 41	122 33	29.98	N	5	c.
Malacca, str.	28 24	122 44	30.01	N/E	7	o.
Verona, str.	26 12	121 16	29.91	NE/N	8-9	o.
Sendai Maru, str.	25 51	120 21	.99	NNE	6	o.
Hikosan Maru, str.	25 46	119 44	.95	N	5	or.
Nanchang, str.	24 21	118 19	30.01	N	2	k.
H.M.S. Pique,	24 20	118 50	29.94	N/E	4	c.
Saratow, str.	24 16	118 59	.96	N	4	c.
Cosmopolit, str.	23 33	119 30	.92	N	8	o.
Chi Yuen, str.	23 20	116 44	30.00	WNW	2	k.
Prinz Heinrich, str.	22 34	115 46	.00	NNW	4	c.
Ask, str.	21 28	109 5	29.95	var.	2	k.
Machew, str.	20 40	113 58	30.00	NNE	4	b.
I.M.C.C. Likin	20 4	110 20	.00	NE	3	c.
Phra Chom Klao, str.	20 2	112 33	...	NE	4	c.
Irene, str.	19 21	112 12	.01	NNE	3	c.
Melbourne, str.	18 14	113 43	.05	N	2	c.
Ocampo, str.	18 5	114 13	.00	var.	1	k.
October 13th.						
Esmeralda, str.	14° 36′	120° 57′	29.98	NE	2	k.
Zafiro, str.	14 36	120 57	.94	NE	4	...
Chingtu, str.	13 29	120 9	30.00	W/N	2	c.
Propontis, str.	12 24	111 27	.05	var.	2	k.
Kongbeng, str.	10 50	108 40	...	W	1	k.
Keong Wai, str	10 47	106 42	29.99	SW	2	c.
China, str.	10 17	107 20	...	SSW	2	c.
Oslo, str.	9 35	103 20	30.00	WNW	3	p.
Hinsang, str.	9 34	110 6	.00	SW/S	2	c.
Khedive, str.	8 42	108 26	.03	WSW	2	k.
Memnon, str.	7 58	119 ...	.03	ESE	2	c.
Kalgan, str.	6 7	107 14	29.99	SW	3	k.
Fort Stuart, sh.	3 58	161 37	30.04	var.	2	k.
Ulysses, str.	1 37	104 35	.05	NE	1	k.
October 14th.						
Bygdo, str.	40 22	121 50	30.14	N	2	k.
Hupeh, str.	35 56	176 11	.11	NW	8	c.
Pakhoi, str.	34 40	135 10	29.86	NW	3	c.
Ancona, str.	34 40	135 11	.84	W	2	o.
Manila, str.	34 40	135 11	.83	NW	1	k.
Ghazee, str.	33 15	128 13	30.05	NW	6	k.
Doric, str.	32 54	167 59	.27	NNW	3	c.
Coptic, str.	32 14	166 50	.17	E	2	c.
Erato, str.	31 5	131 45	29.93	N	6	...
Taisang, str.	28 57	121 38	30.16	NNE	5	k.
Hikosan Maru, str.	27 31	121 49	.14	...	...	...
Verona, str.	27 25	123 28	.10	N	5-6	c.
Nanchang, str.	26 39	120 10	.18	NE	4	k.
Malacca, str.	24 46	119 19	.17	NE	6	c.
Chi Yuen, str.	23 20	116 44	.13	E	3	k.
Machew, str.	23 10	116 46	.11	NE	6	c.
Sendai Maru, str.	23 7	117 6	.12	NE	3	c.
Ask, str.	21 28	109 5	.03	ESE	2	o.
I.M.C.C. Likin	18 9	110 1	.04	NNE	1	c.
Chingtu, str.	17 11	117 35	.02	NNE	4	c.
Yuensang, str.	16 14	118 46	.01	N	3	c.
Propontis, str.	15 34	112 57	.05	NE	4	...
Ocampo, str.	15 33	113 16	.06	SE	2	o.
Irene, str.	15 17	109 47	.02	var.	1	or.
Esmeralda, str.	14 35	120 57	29.98	...	0	k.
Zafiro, str.	14 35	120 57	30.02	WSW	1	k.
Kongbeng, str.	13 16	109 48	...	N	2	k.
Khedive, str.	12 40	111 21	.03	SSW	2	k.
China, str.	12 37	109 27	.03	NE	2	k.
Memnon, str.	11 41	119 51	.02	NW/W	3	c.
Keong Wai, str.	10 16	107 20	.03	...	0	...
Oslo, str.	8 52	106 14	.00	S	3	m.
Hinsang, str.	6 46	109 17	.04	S	1	c.
Ulysses, str.	5 51	106 48	.07	NE	2	k.
Fort Stuart, sh.	4 46	160 48	.04	var.	1	k.
Jacob Christensen, str.	3 33	108 34	29.98	E	1	cr.
Kalgan, str.	2 44	105 1	.97	SSW	3	k.
October 15th.						
Bygdo, str.	37 31	122 44	30.14	var.	2	k.
Hupeh, str.	35 40	172 24	.11	SW	5	c.
Manila, str.	34 40	135 11	29.94	N/E	2	k.
Cassius, str.	34 0	130 28	30.13	NNW	4	c.
Ancona, str.	33 48	131 34	29.99	WNW	2	b.
Doric, str.	33 33	161 35	.95	S	5	c.
Coptic, str.	30 58	172 52	30.17	SE	2	c.
Ghazee, str.	30 37	125 17	.05	N	4	k.
Verona, str.	30 13	126 46	.07	N/E	5	c.
Erato, str.	29 44	127 45	.07	N/W	5	c.
Nanchang, str.	29 30	122 23	.14	N	2	k.
Hikosan Maru, str.	28 46	124 38	.08	NNE	3	b.
Taisang, str.	24 5	118 28	.14	NE	4	k.
Java, str.	23 30	117 37	.11	NNE	5	k.
Meefoo, str.	22 53	116 29	.09	NE	3	b.
Malacca, str.	22 15	114 27	.13	ENE	4	b.
Chingtu, str.	20 57	115 0	.07	NE/N	5	c.
Ask, str.	20 4	110 20	.01	ESE	3	o.
Yuensang, str.	19 19	116 9	.05	NE	4	c.
Propontis, str.	19 10	113 22	.07	ENE	4	...
I.M.C.C. Likin	18 12	109 33	29.98	ENE	1	cr.
Prinz Heinrich, str.	16 59	110 49	30.06	ENE	3	c.
Khedive, str.	16 55	113 9	.03	NE	4	k.
Kongbeng, str.	16 53	111 0	...	NNE	3	k.
China, str.	15 29	110 13	29.95	NE	1	k.

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Vessel.	Lat. North.	Long. East.	Bar.	Wind. Dir.	Wind. For. 0-12	Weather.
			ins.			
October 15th.						
Memnon, str.	15° 10′	118° 1′	29.99	NE	4	c.
Esmeralda, str.	14 35	120 57	.98	SW	2	k.
Zafiro, str.	14 35	120 57	30.00	W	2	p.
Pingsuey, str.	13 29	117 50	.01	NW	3	c.
Ocampo, str.	12 54	111 9	29.97	var.	1	k.
Keong Wai, str	12 44	109 28	30.00	NNE	4	c.
Oslo, str.	10 15	109 0	.00	E	2	k.
Irene, str.	9 49	108 42	.02	SW	1	c.
Ulysses, str.	9 31	109 28	.07	NE	2	k.
Jacob Christensen, str.	6 39	109 2	.00	NNE	1	...
Fort Stuart, sh.	5 11	160 27	.00	var.	2	...
Hinsang, str.	4 1	105 39	.01	S	2	c.
Onsang, str.	0 56	119 25	.00	NNE	2	b.
October 16th.						
Victoria, str.	36 47	144 21	30.01	NE/E	2	k.
Hupeh, str.	35 35	169 11	29.88	W	8-7	orq.
Federation, str.	34 39	139 5	...	NE/N	2	b.
Manila, str.	34 28	138 29	.98	E/N	4	c.
Idzumi Maru, str.	33 55	131 8	...	NW	2	c.
Doric, str.	33 53	155 40	30.01	NW	5	c.
Bygdo, str.	33 31	122 53	...	WSW	3	k.
Nanchang, str.	33 11	122 50	.22	N	1	k.
Keemun, str.	32 31	126 8	.11	N	2	k.
Cassius, str.	32 11	126 23	.19	N	3	c.
Hikosan Maru, str.	30 26	128 8	.05	N	3	b.
Produce, str.	29 49	126 14	.13	N	5	...
Coptic, str.	29 24	179 30	.16	SE	2	c.
Choysang, str.	28 31	121 50	...	NE	3	c.
Ghazee, str.	27 47	122 22	.13	NNE	4	c.
Erato, str.	27 29	123 29	.10	N/E	4	c.
Chi Yuen, str.	25 58	120 2	.12	NE/N	4	c.
Meefoo, str.	25 4	119 12	.08	NNE	5	b.
Ariake Maru, str.	23 23	117 35	.07	NE	4	c.
Miike Maru, str.	23 4	116 56	.05	NE	4	c.
Khedive, str.	21 26	113 58	.06	ENE	5	k.
Hongkong, str.	20 52	106 42	29.99	...	...	k.
Ask, str.	20 32	111 16	30.02	ESE	3	o.
Kongbeng, str.	19 51	112 31	...	ENE	4	c.
Ingraban, str.	19 50	115 41	.06	ENE	4	c.
Shantung, str.	19 36	112 8	.04	SE	4	k.
Dardanus, str.	18 50	112 0	.03	NE	4	k.
China, str.	18 43	111 26	.03	E	5	k.
Deuteros, str.	18 41	111 26	.00	E	4	k.
Memnon, str.	18 37	116 29	29.99	NE/E	4	c.
I.M.C.C. Likin,	18 12	109 33	30.02	NE	2	or.
Keong Wai, str.	15 1	112 7	29.99	E	4	c.
Esmeralda, str.	14 35	120 57	.95	SW	2	k.
Zafiro, str.	14 35	120 57	.93	N	1	k.
Oslo, str.	13 46	110 12	.98	NE	3	p.
Ulysses, str.	13 23	112 8	30.04	N	5	k.
Pingsuey, str.	11 42	113 56	.02	NE	3	cp.
Prinz Heinrich, str.	11 30	110 12	.01	N	2	ogp.
Phra Nang, str.	10 27	102 26	.00	var.	1	k.
Ocampo, str.	9 56	109 53	.02	NNE	2	k.
Jacob Christensen, str.	9 47	109 53	.00	NNE	1	...
Fort Stuart, sh.	5 56	159 53	29.99	var.	1	k.
Irene, str.	5 56	106 30	.98	SW	1	b.
Knight of St. John, str.	3 18	105 46	30.00	NW	4	k.
Onsang, str.	3 15	121 14	29.98	NE	1	c.
Preussen, str.	2 17	104 57	.99	W	4	or.
October 17th.						
Nanchang, str.	37 12	122 40	30.22	SW	1	k.
Hupeh, str.	35 31	165 58	.25	ENE	3	c.
Doric, str.	34 12	149 28	29.99	var.	2	opq.
Federation, str.	34 3	134 58	30.07	NNE	2	b.
Verona, str.	33 46	132 4	.27	SE	1	c.
Ancona, str.	29 52	125 39	.12	var.	2	b.
Cassius, str.	29 44	122 45	.17	E	2	c.
Chi Yuen, str.	28 43	121 56	.14	NE	2	o.
Produce, str.	27 31	122 56	.13	N	5	...
Meefoo, str.	27 11	120 36	...	NE	4	b.
Ariake Maru, str.	25 26	120 0	.08	NNE	4	c.
Miike Maru, str.	25 22	120 0	.05	SE	4	c.
Australian, str.	25 20	119 55	.03	ENE	4	k.
Bygdo, str.	24 54	119 35	...	var.	1	c.
Ghazee, str.	24 52	119 26	.08	NE	4	c.
Ceres, str.	23 45	117 42	.03	NE	5	c.
Chingping, str.	23 35	117 28	.08	NE	4	k.
October 17th.						
Cosmopolit, str.	22° 59′	120° 13′	29.98	N	3	k.
Sungkiang, str.	22 34	115 12	30.11	E	3	c.
Memnon, str.	22 8	114 30	.05	NE/E	3	c.
Mongkut, str.	21 21	114 29	.08	ESE	4	c.
Erato str.	21 14	119 53	.06	NE/E	4	k.
Hongkong, str.	20 52	106 41	29.99	SE	4	or.
Mathilde, str	20 43	107 42	30.00	SSE	4	o.
I.M.C.C. Likin	18 12	109 33	.01	ESE	2	c.
Keong Wai, str.	18 11	113 29	.03	ENE	4	c.
Ulysses, str.	17 27	113 37	.06	NE	4	k.
Oslo, str.	17 6	111 12	.04	ENE	4	k.
Ingraban, str.	16 56	117 54	.05	ENE	4	k.
Zafiro, str.	16 21	118 50	29.94	NNE	2	...
Shantung, str.	15 44	110 55	30.10	SE	3	k.
Esmeralda, str.	14 35	120 57	29.98	...	0	k.
Dardanus, str.	14 22	109 54	.99	NE	2	k.
Jacob Christensen, str.	12 51	110 34	.97	NNE	1	...
Pingsuey, str.	9 51	110 45	.98	SE	3	b.
Phra Nang, str.	8 26	105 13	30.00	N	2	k.
Ocampo, str.	7 17	108 24	29.96	var.	2	or.
Fort Stuart, sh.	6 53	161 11	.97	var.	2	k.
Prinz Heinrich, str.	6 38	107 41	30.00	WSW	2	c.
Preussen, str.	6 27	107 43	29.97	W	3	c.
Knight of St. John, str.	6 25	108 36	30.00	S	4	k.
Onsang, str.	5 40	122 18	29.97	E	1	c.
Sishan, str.	3 33	105 14	30.03	var.	2	c.
Irene, str.	1 47	104 41	29.99	W	2	c.
October 18th.						
Victoria, str.	42 38	155 17	30.11	NE	3	k.
Hupeh, str.	35 24	161 35	29.94	W/N	7	c.
Doric, str	34 34	142 34	30.27	var.	2	opq.
Pakhoi, str.	33 45	131 40	.03	NE	3	or.
Idzumi Maru, str.	32 38	128 7	...	W	3	c.
Energia, str.	32 23	126 30	...	NW	4	c.
Meefoo, str.	30 7	122 25	.14	NW	4	b.
Ariake Maru, str.	27 57	122 38	.15	N	3	c.
Miike Maru, str.	27 37	123 57	.11	NE	4	c.
Nanyang, str.	27 30	121 25	.14	N	4	...
Bygdo, str.	27 9	121 21	.10	NNE	3	k.
Ancona, str.	26 37	121 14	.13	WNW	4	og.
Cassius, str.	26 11	120 26	.17	ENE	3	c.
Ceres, str.	25 45	121 10	.10	NE	4	c.
Produce, str.	25 30	119 35	.16	NNE	4	...
Khedive, str.	23 26	117 27	.12	NE/E	4	k.
Cosmopolit, str.	22 59	120 13	.03	NNE	3	k.
Ghazee, str.	22 40	115 59	.10	E	3	k.
Erato, str.	22 40	116 15	.08	NE	4	c.
Australian, str.	22 29	115 23	.08	NE	3	k.
Phra Chom Klao, str.	22 4	113 58	...	NE	3	o.
Ulysses, str.	21 55	113 58	.07	NE	4	o.
Hongkong, str.	20 52	106 41	29.97	...	...	or.
Chowfa, str.	20 52	114 24	30.10	E	3	k.
Oslo, str.	20 5	112 41	.10	ENE	3	c.
Zafiro, str.	19 22	116 40	.07	N	2	k.
Catherine Apcar, str.	19 7	112 2	.05	SE	3	k.
Mallaca, str.	18 25	116 40	.07	NE/E	2	c.
I.M.C.C. Likin	18 12	109 33	.04	ENE	4	c.
Mongkut, str.	18 11	111 43	.08	ESE	4	b.
Jacob Christensen, str.	16 15	111 3	.00	NE	2	...
Esmeralda, str.	14 36	120 57	29.98	SW	2	k.
Ingraban, str.	13 37	120 7	30.03	ENE	2	o.
Shantung, str.	11 3	109 15	.01	SE	2	o.
Phra Nang, str.	10 32	108 15	29.99	NE	3	k.
Preussen, str.	10 53	111 2	.99	NE	2	c.
Knight of St. John, str.	9 36	111 16	30.03	NW	3	k.
Dardanus, str.	9 6	108 56	29.98	ENE	1	c.
Onsang, str.	8 11	121 51	30.00	N	2	cp.
Fort Stuart, sh.	7 31	162 39	29.90	var.	1	c.
Pingsuey, str.	7 5	108 30	30.02	NW	3	b.
Sishan, str.	6 44	107 31	29.97	var.	2	k.
Ocampo, str.	5 12	106 42	.99	...	0	k.
Prinz Heinrich, str.	1 46	104 45	30.01	SSE	1	b.
October 19th.						
Braemar, str.	49 20	178 0	29.70	NW	4	k.
Victoria, str.	44 49	161 48	30.24	N	2	...
Hupeh, str.	35 11	158 14	.24	NNE	5	c.
Verona, str.	34 29	135 7	.00	WNW	4-5	c.
Pakhoi, str.	33 57	130 58	.06	NW	5	c.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
October 19th.						
Ariake Maru, str.	30° 18′	125° 40′	30.20	NNW	2	b.
Idzumi Maru, str.	29 41	128 7	...	W	3	c.
Miike Maru, str.	29 40	127 52	.14	N	4	c.
Ceres, str.	27 3	124 49	.16	NE	6	c.
Loongmoon, str.	26 47	120 53	.19	NE	4	b.
Khedive, str.	26 35	120 42	.20	NNE	5	k.
Bygdo, str.	24 16	118 53	.12	NNE	3	c.
Nanyang, str.	24 11	118 20	.15	NE	5	c.
Cassius, str.	23 27	117 40	.15	NE	5	c.
Ancona, str.	23 8	117 13	.14	NE	3	oq.
Cosmopolit, str.	22 59	120 13	.04	N	3	k.
Hongkong, str.	20 52	106 41	29.96	...	...	...
Jacob Christensen, str.	19 18	112 13	30.07	ENE	2	...
Phra Chom Klao, str.	18 35	111 13	...	E	3	o.
I.M.C.C. Likin	18 12	109 33	.07	ENE	2	c.
Chowfa, str.	17 51	111 17	.07	E	3	k.
Preussen, str.	15 50	112 57	.05	NE	4	c.
Catherine Apcar, str.	15 7	110 6	.05	ESE	4	k.
Mongkut, str.	14 40	110 10	.09	S	2	b.
Esmeralda, str.	14 35	120 57	29.97	...	0	k.
Malacca, str.	14 26	119 26	.98	NNE	2	c.
Phra Nang, str.	13 17	109 49	30.03	var.	1	k.
Knight of St. John, str.	13 12	113 37	.06	NE	4	k.
Onsang, str.	10 57	121 30	29.99	N	2	cp.
Ingraban, str.	10 27	122 10	30.01	E	2	k.
Sishan, str.	10 5	109 21	...	NE	2	o.
Fort Stuart, sh.	8 7	162 18	.01	NE/E	2	k.
Shantung, str.	7 19	107 13	.01	var.	1	k.
Dardanus, str.	5 3	106 32	.00	NW	1	cp.
Pingsuey, str.	3 29	105 50	.04	...	0	c.
Ocampo, str.	2 30	105 11	.03	...	0	k.
October 20th.						
Braemar, str.	48 6	172 50	30.00	WNW	5	o.
Victoria, str.	47 7	168 48	.11	SE	4	o.
Hupeh, str.	35 14	154 17	29.82	WNW	7	c.
Verona, str.	34 55	139 24	.97	ENE	2	c.
Pakhoi, str.	33 57	130 58	30.06	S	3	o.
Ariake Maru, str.	32 28	129 41	.11	N	2	c.
Miike Maru, str.	31 59	132 18	.04	N	3	o.
Chingping, str.	30 54	122 55	.22	W	2	o.
Khedive, str.	30 45	122 18	.18	var.	3	k.
Ceres, str.	29 33	128 54	.11	NNE	3	c.
Idzumi Maru, str.	26 50	120 53	...	NW	2	c.
Cosmopolit, str.	24 55	119 37	.09	NNE	5	...
Chingping, str.	23 35	117 28	.08	NE	4	k.
Sungkiang, str.	23 24	118 18	.17	NE	4	c.
Loongmoon, str.	23 12	117 16	.10	NE/E	5	b.
Yuensang, str.	22 48	116 16	.11	ENE	4	b.
Bygdo, str.	22 26	115 40	.07	NE	2	k.
Nanyang, str.	22 13	114 28	.09	NE	3	c.
Jacob Christensen, str.	22 7	113 58	.11	NE	2	...
Hongkong, str.	21 29	109 5	29.99	NNE	2	...
Preussen, str.	20 57	113 41	30.06	NNE	5	c.
I.M.C.C. Likin	18 12	109 33	.02	ENE	2	c.
Phra Nang, str.	16 55	110 45	.03	ENE	4	k.
Knight of St. John, str.	16 36	115 16	.02	NNE	7	k.
Esmeralda, str.	14 35	120 57	29.96	SW	2	k.
Phra Chom Klao, str.	14 24	109 38	...	E	4	o.
Chowfa, str.	13 57	109 53	30.02	E	4	k.
Onsang, str.	13 32	120 12	29.99	NE	2	c.
Sishan, str.	12 55	109 25	...	NE	2	opq.
Mongkut, str.	10 43	108 30	.99	...	0	b.
Catherine Apcar, str.	10 33	108 54	30.05	SE	3	k.
Malacca, str.	10 13	121 38	29.87	var.	1	b.
Fort Stuart, sh.	9 9	160 55	.98	NE/N	4	op.
Shantung, str.	3 33	105 28	.99	var.	1	o.
Kalgan, str.	1 20	104 40	.96	ESE	4	k.
October 21st.						
Empress of India, str.	50 0	174 6	29.38	SSE	8	od.
Victoria, str.	48 26	176 42	.68	SE	5	o.
Braemar, str.	46 58	168 10	.22	SW/W	9	orq.
Hupeh, str.	34 58	150 53	30.00	WSW	3	c.
Chingping, str.	33 52	123 10	.32	N	5	k.
Pakhoi, str.	33 45	130 2	.05	W	4	c.
Energia, str.	33 42	132 5	...	WNW	3	c.
Ceres, str.	32 18	133 12	.04	N	3	b.
Hikosan Maru, str.	30 46	126 40	...	NW	2	c.
Keemun, str.	29 21	122 26	.21	NW	4	k.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
October 21st.						
Cosmopolit, str.	27° 22′	120° 45′	30.24	NE	5	...
Idzumi Maru, str.	23 40	118 1	...	NE	4	c.
Lyeemoon, str.	23 5	116 45	.09	NE/E	6	o.
Ask, str.	21 44	113 33	.11	N	3	o.
Knight of St. John, str.	20 7	114 53	.07	NNE	8	c.
Phra Nang, str.	19 45	112 20	.05	NNE	4	k.
Sungkiang, str.	18 57	118 53	.06	E	5	cp.
I.M.C.C. Likin	18 16	108 55	.05	ENE	2	c.
Petrarch, str.	18 7	116 46	.01	S	3	c.
Sishan, str.	16 11	109 ...	...	NE	5	o.
Onsang, str.	15 58	118 36	29.99	SSW	2	c.
Esmeralda, str.	14 35	120 57	.95	SW	2	k.
Fort Stuart, sh.	11 12	158 34	.95	NE	6	k.
Phra Chom Klao, str.	10 16	107 56	...	NE	4	o.
Chowfa, str.	9 55	108 7	30.02	NE	3	k.
Mongkut, str.	8 21	105 12	29.96	var.	1	c.
Catherine Apcar, str.	6 53	106 59	30.01	var.	2	k.
Malacca, str.	6 7	122 38	29.97	...	0	b.
October 22nd.						
Empress of India, str.	48 25	167 4	29.26	WSW	8	opq.
Braemar, str.	46 9	165 23	.40	W/N	6	o.
Chingping, str.	36 33	122 50	30.42	NE	1	...
Hupeh, str.	34 51	147 45	.02	WNW	3	o.
Ceres, str.	34 20	137 44	.10	NNW	6	c.
Pakhoi, str.	32 20	125 53	.31	var.	2	c.
Doric, str.	32 7	133 13	.22	NNW	3	c.
Cosmopolit, str.	29 47	122 24	.31	NE	3	...
Hikosan Maru, str.	28 35	123 51	...	NE	3	b.
Lyeemoon, str.	25 2	119 9	.11	NE/E	8	c.
Ask, str.	20 4	110 20	.05	NE	3	o.
I.M.C.C. Likin	20 4	110 20	.06	ENE	2	c.
Chunshan, str.	19 45	113 3	.06	NE	6	c.
Sishan, str.	19 20	108 ...	...	NE	5	op.
Brindisi, str.	18 45	113 30	29.92	NE/E	6	oq.
Onsang, str.	18 3	117 26	.98	SE	3	c.
Petrarch, str.	15 8	119 34	...	S	2	orq.
Sungkiang, str.	14 40	120 6	.98	S	2	b.
Esmeralda, str.	14 35	120 57	.97	...	0	k.
Fort Stuart, sh.	12 50	155 24	.93	ENE	5	orq.
Phra Chom Klao, str.	8 51	103 55	...	N	3	o.
Victoria, str.	6 28	106 11	...	S	3	q.
Chowfa, str.	6 14	106 28	.99	SE	2	k.
Amigo, str.	4 49	105 12	30.01	var.	4	or.
Catherine Apcar, str.	3 30	105 28	29.97	SE	4	or.
Malacca, str.	2 12	125 0	.92	SW	1	c.
Dante, str.	2 3	106 34	.91	NW	1	o.
Gerda, str.	1 46	104 36	.97	NE	3	c.
October 23rd.						
Empress of India, str.	46 18	161 3	29.74	WNW	7	o.
Braemar, str.	44 50	162 5	.74	W	7	q.
Chingping, str.	38 27	119 17	30.30	WSW	2	k.
Hupeh, str.	34 48	143 39	.38	N	4	c.
Pakhoi, str.	31 23	121 23	.18	S	3	o.
Meefoo, str.	28 22	121 59	.18	NW	2	od.
Hikosan Maru, str.	26 31	121 6	.13	N	3	c.
Lyeemoon, str.	26 6	119 53	.09	...	...	...
Taisang, str.	23 0	116 35	.08	NE	6	...
Cassius, str.	22 46	116 13	.06	NE	4	o.
Ask, str.	21 28	109 5	.04	E	3	o.
Oslo, str.	21 25	113 36	.05	NE	4	m.
Zafiro, str.	20 37	115 40	.02	NE	3	c.
Onsang, str.	20 23	115 43	.02	E/N	4	c.
I.M.C.C. Likin	20 4	110 20	.01	NE	3	c.
Esmeralda, str.	16 40	120 2	29.97	NE	3	k.
Chunshan, str.	16 18	110 30	30.02	N	5	c.
Brindisi, str.	15 33	113 5	29.95	SW/W	3	c.
Sungkiang, str.	14 35	120 57	.96	var.	1	b.
Fort Stuart, sh.	14 25	153 10	.91	NE	5	o.
Decima, str.	11 29	109 7	.95	NNE	4	k.
Petrarch, str.	11 9	121 30	30.03	...	0	c.
Victoria, str.	9 31	107 23	...	ENE	5	...
Amigo, str.	8 12	107 37?	29.96	NE	3	k.
Gerda, str.	4 33	107 33	30.01	S	2	or.
Dante, str.	3 32	109 38	29.98	...	0	or.
Benledi, str.	3 29	105 30	.98	N	2	o.
Chowfa, str.	2 32	104 49	.92	W	1	o.
Macduff, str.	0 14	108 11	.94	NNW	3	orq.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
October 24th.						
Empress of India, str.	43° 21′	530° 39′	30.05	NNW	5	cq.
Braemar, str.	43 17	157 12	.06	NNW	6	q.
Hupeh, str.	35 16	139 45	.40	N	4	c.
Doric, str.	30 7	126 1	.22	E	2	c.
Lyeemoon, str.	29 20	122 26	.14	...	...	...
Choysang, str.	27 59	121 40	.14	var.	1	or.
Meefoo, str.	24 52	119 24	.08	N	2	cl.
Hikosan Maru, str.	24 9	118 26	.11	NNE	3	b.
Ancona, str.	24 2	118 7	.13	NE	3	o.
Taisang, str.	23 56	117 51	.10	E	3	b.
Idzumi Maru, str.	21 19	113 53	.06	E	4	c.
Esmeralda, str.	20 59	119 17	.02	NE	4	o.
Yuensang, str.	20 54	118 57	.08	E/N	4	c.
Mathilde, str.	20 18	111 7	.00	E	4	o.
Ask, str.	20 4	110 20	29.99	E	4	orltq.
I.M.C.C. Likin	20 4	110 20	30.01	ENE	2	orlt.
Memnon, str.	19 14	115 3	.02	E	3	c.
Oslo, str.	18 21	111 27	29.95	E	6	or.
Zafiro, str.	17 10	118 9	30.04	NE	2	p.
Fort Stuart, sh.	15 24	149 54	...	NE	6	kgp.
Sungkiang, str.	14 35	120 57	29.95	NE	1	b.
Decima, str.	13 45	110 30	.96	NNE	2	k.
Brindisi, str.	11 37	110 35	.98	NE	3	c.
Chunshan, str.	11 29	109 16	30.03	N	2	c.
Amigo, str.	11 26?	109 30?	29.94	E	4	k.
Gerda, str.	7 22	110 8	.96	NE	1	c.
Petrarch, str.	7 4	121 40	30.06?	...	0	orq.
Benledi, str.	7 1	107 39	29.98	NNE	4	k.
Aden, str.	4 45	106 15	.99	SW	1	k.
Dante, str.	4 38	112 58	.92	var.	1	c.
Macduff, str.	4 12	108 50	.94	...	0	k.
Germania, str.	0 28	104 35	.95	N	2	k.
October 25th.						
Braemar, str.	41 40	152 27	30.26	SW	5	k.
Empress of India, str.	40 53	146 35	.29	SSW	5	c.
Hupeh, str.	34 41	139 8	.27	NW	3	c.
Verona, str.	34 35	138 54	.21	NNW	2	c.
Federation, str.	32 54	128 18	...	SW	4	opq.
Taisang, str.	26 50	120 19	.10	N	2	b.
Ancona, str.	26 46	121 56	.11	NNE	2	k.
Doric, str.	26 25	121 11	.13	NW	3	c.
Choysang, str.	24 29	118 54	.07	NE	3	c.
Meefoo, str.	22 29	115 50	.10	NE	2	b.
Bygdo, str.	22 22	115 7	.07	ESE	2	k.
Hikosan Maru, str.	22 22	115 11	.04	NE	1	b.
Machew, str.	22 14	114 20	.12	E	2	b.
Ask, str.	20 10	110 28	.04	ESE	3	op.
Suisang, str.	19 32	112 24	.06	E	4	c.
Propontis, str.	18 38	113 38	.04	E	4	k.
Decima, str.	17 14	110 41	.00	E	1	k.
Idzumi Maru, str.	17 4	113 30	.01	E/N	4	c.
Yuensang, str.	16 37	119 32	29.97	var.	1	b.
Namyong, str.	16 33	112 22	...	NE	...	k.
Fort Stuart, sh.	16 21	146 37	...	E	5	op.
Memnon, str.	15 8	116 32	.97	NE	2	c.
Mathilde, str.	14 49	109 45	.97	NE	1	c.
Zafiro, str.	14 35	120 57	...	...	0	c.
Sungkiang, str.	14 35	120 57	.94	NE	1	b.
Victoria, str.	14 6	110 0	...	N	4	k.
Amigo, str.	13 28	109 49	.98	N	3	k.
Ingraban, str.	12 44	120 44	.98	NE	5	k.
Gerda, str.	10 31	112 17	.98	NNE	4	op.
Benledi, str.	10 18	110 10	.98	NNE	4	k.
Aden, str.	8 47	108 53	30.00	NNE	3	k.
Brindisi, str.	7 41	108 19	29.98	NE	3	b.
Chunshan, str.	7 29	107 20	30.00	ESE	3	c.
Dante, str.	6 35	115 27	...	var.	2	o.
Arratoon Apear, str.	3 58	105 53	...	var.	2	or.
Petrarch, str.	3 41	123 58	.01?	E	2	o.
October 26th.						
Oanfa, str.	40 52	139 45	29.97	W	7	cq.
Braemar, str.	40 11	148 50	.80	SW/S	8	oq.
Empress of India, str.	37 20	141 28	.90	NW	3	c.
Hupeh, str.	33 43	135 12	.96	NW	6	c.
Chi Yuen, str.	31 53	122 36	30.29	N	3	o.
Federation, str.	30 2	124 56	...	N	3	c.
Taisang, str.	29 31	122 31	.16	NNW	5	c.
Ancona, str.	29 17	125 34	.15	N	5	o.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
October 26th.						
Knight of St. John, str.	23° 40′	117° 44′	30.08	NE	8	cm.
Bygdo, str.	23 26	117 37	.08	NE	4	o.
Doric, str.	22 37	116 2	.11	NE	4	c.
Ask, str.	21 52	113 29	.08	NNE	4	c.
I.M.C.C. Likin	21 12	111 2	.11	N/E	3	c.
Decima, str.	19 57	112 21	.03	NE	5	c.
Victoria, str.	17 14	110 34	...	NNE	5	k.
Fort Stuart, sh.	16 59	143 34	...	E	4	...
Amigo, str.	16 45	110 26	.02	NE	4	k.
Ingraban, str.	15 57	118 40	29.95	N	2	k.
Suisang, str.	15 39	110 26	30.00	ENE	4	c.
Propontis, str.	14 45	112 54	29.96	ENE	4	k.
Sungkiang, str.	14 35	120 57	.90	W	2	c.
Gerda, str.	14 28	113 32	.95	NE	4	crq.
Benledi, str.	13 32	112 30	.98	NE/N	5	o.
Namyong, str.	13 16	111 32	...	ENE	3	c.
Idzumi Maru, str.	13 3	111 36	.94	var.	...	...
Aden, str.	12 19	111 16	.96	NNE	4	k.
Macduff, str.	11 10	111 55	.94	NNE	2	k.
Memnon, str.	10 49	117 40	.91	NE	2	c.
Oslo, str.	10 40	108 42	.91	NE	3	c.
Dante, str.	8 10	118 16	.82	NE	4	o.
Arratoon Apear, str.	7 10	108 1	.92	NE	4	k.
Brindisi, str.	4 0	105 30	.93	N	2	c.
Chunshan, str.	3 44	105 10	.98	var.	1	c.
Petrarch, str.	1 ...	125 ...	...	...	0	m.
Taiyuan, str.	0 ...	126 ...	...	NW	3	or.
October 27th.						
Braemar, str.	38 25	145 30	29.86	NW	3	c.
Oanfa, str.	38 13	136 18	30.05	W	4	b.
Chi Yuen, str.	35 41	122 45	.27	N	2	k.
Miike Maru, str.	33 41	136 13	29.97	NE	3	c.
Ancona, str.	32 29	129 23	30.14	NNE	3	k.
Federation, str.	27 14	121 46	.12	N	5	c.
Knight of St. John, str.	25 36	120 20	.07	NNE	7	cm.
Bygdo, str.	25 7	119 22	.08	NE/N	4	k.
I.M.C.C. Likin	24 47	113 13	.07	N	4	b.
Victoria, str.	19 16	111 46	...	NNE	5	c.
Amigo, str.	19 1	111 40	.03	NE	4	k.
Ingraban, str.	18 35	116 29	29.99	NE	7	orq.
Gerda, str.	17 52	113 35	30.01	NE	7	crq.
Fort Stuart, sh.	16 56	140 46	29.96	E	4	c.
Benledi, str.	16 43	113 51	.98	NNE	6	or.
Aden, str.	16 12	113 15	.94	NE	5	o.
Macduff, str.	14 57	113 19	.94	NNE	7	cpq.
Sungkiang, str.	14 35	120 57	.89	var.	1	c.
Propontis, str.	11 27	110 31	.96	var.	4	k.
Suisang, str.	10 59	109 2	.92	NE	4	op.
Arratoon Apear, str.	10 9	110 7	.92	NE	6	or.
Namyong, str.	9 57	110 8	...	var.	var.	...
Idzumi Maru, str.	9 22	109 14	.84	NE	3	orq.
Dante, str.	9 6	121 9	.91	W	4	c.
Oslo, str.	8 24	104 45	.89	NE	2	q.
Deucalion, str.	8 7	119 6	.97	WNW	4	k.
Germania, str.	3 48	105 13	.93	N	4	k.
Taiyuan, str.	3 ...	125 ...	.90	NNE	3	ogr.
October 28th.						
Chingping, str.	38 46	113 25	...	...	0	m.
Braemar, str.	35 51	142 9	30.04	NNE	4	o.
Oanfa, str.	35 21	132 19	.15	NW	2	b.
Hupeh, str.	34 3	132 47	.14	N	4	c.
Verona, str.	33 53	131 12	.13	NNW	3	c.
Manila, str.	33 49	135 8	.04	NW	4	k.
Ancona, str.	33 45	130 4	.14	NNE	2	k.
Ariake Maru, str.	30 42	126 47	.20	NW	3	b.
Knight of St. John, str.	27 21	123 12	.17	NE	6	c.
Bygdo, str.	27 8	120 33	.13	NE/N	4	k.
Federation, str.	24 38	119 9	.04	NE	5	o.
Loongmoon, str.	23 30	117 19	.06	NE	5	c.
Victoria, str.	21 37	113 30	...	N	4	c.
Amigo, str.	21 33	113 22	.03	NE	4	k.
Ingraban, str.	21 24	114 8	.07	NE	4	k.
Gerda, str.	21 13	113 57	.06	ENE	4	c.
Machew, str.	20 48	114 30	.08	NE	6	b.
Aden, str.	19 54	113 38	.02	NE	5	k.
Benledi, str.	19 49	113 51	.01	NE/N	5	k.
Macduff, str.	17 48	113 31	.03	NNE	7	c.
Fort Stuart, sh.	16 56	138 21	...	E	4	k.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
October 28th.						
Sungkiang, str.	14°35′	120°57′	29.87	N	2	ogp.
Arratoon Apcar, str.	13 20	112 16	.90	N/E	6	...
Oslo, str.	11 5	101 59	.91	NE	3	q.
Deucalion, str.	10 43	120 2	.94	NNW	3	o.
Propontis, str.	7 39	108 35	.94	var.	1	k.
Suisang, str.	7 6	107 5	.93	E	3	c.
Germania, str.	7 4	106 28	.95	NNE	3	k.
Namyong, str.	6 59	107 51	...	...	0	k.
Taiyuan, str.	6 ...	122 ...	.86	W	3	c.
Idzumi Maru, str.	5 41	107 13	.94	SW	1	...
Chowfa, str.	5 22	103 42	.94	WNW	4	or.
October 29th.						
Manila, str.	34 40	135 11	30.18	SSE	2	k.
Ancona, str.	34 37	135 6	.21	NW	1	k.
Empress of India, str.	33 25	129 32	.21	NE	2	k.
Hupeh, str.	32 54	129 36	.20	NE	4	c.
Oanfa, str.	32 49	128 3	.21	N	3	b.
Pakhoi, str.	30 49	122 16	.21	E	2	b.
Bygdo, str.	29 37	122 31	.16	NNE	3	c.
Cosmopolit, str.	28 57	122 27	.18	E	4	...
Knight of St. John, str.	28 30	127 15	.13	NE	5	gp.
Ariake Maru, str.	28 18	123 32	.18	NE	2	c.
Loongmoon, str.	25 50	119 49	.08	NNE	7	o.
Menmuir, str.	23 30	117 0	.09	NE	6	k.
Federation, str.	22 26	115 27	...	NE	2	b.
Hikosan Maru, str.	22 21	115 0	.06	NE	2	c.
Ask, str.	21 54	113 41	.01	NNW	2	o.
China, str.	21 25	113 27	29.99	NE/E	4	k.
Macduff, str.	20 57	113 40	30.04	NE/N	7	k.
Machew, str.	17 37	111 11	29.99	NE	6	c.
Fort Stuart, sh.	17 29	135 52	.92	E	4	c.
Sungkiang, str.	16 26	118 45	.83	NNE	2	c.
Arratoon Apcar, str.	15 40	113 16	.84	N/E	6	...
Deucalion, str.	13 3	119 3	.88	ESE	1	or.
Taiyuan, str.	10 37	121 46	...	W	3	o.
Taichiow, str.	10 11	102 41	.96	var.	1	c.
Germania, str.	10 4	107 56	...	NE	4	c.
Chowfa, str.	9 0	102 19	.97	NE	2	orq.
Ravenna, str.	4 13	105 59	.93	NNE	2	c.
Propontis, str.	4 1	106 28	.92	var.	4	k.
Namyong, str.	4 0	106 0	...	...	0	k.
Suisang, str.	3 10	105 24	...	SW	2	k.
Petrarch, str.	2 10	125 ...	.89	W	2	c.
Idzumi Maru, str.	2 5	104 49	.93	SSW	2	c.
October 30th.						
Chingping, str.	36 9	122 44	30.26	SSW	3	k.
Manila, str.	34 40	135 11	.16	SE	2	k.
Bygdo, str.	33 8	122 49	.15	N	2	k.
Empress of India, str.	32 2	126 47	.14	E	2	o.
El Capitan, sh.	30 58	128 10	...	SE	...	o.
Knight of St. John, str.	30 37	131 33	.09	ENE	5	cgp.
Verona, str.	30 13	126 32	.08	ENE	3	od.
Oanfa, str.	30 8	123 56	.16	NW	3	b.
Loongmoon, str.	29 22	122 14	.12	N	5	b.

Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
October 30th.						
Empress of China, str.	27°13′	121° 4′	30.10	NNE	4	c.
Pakhoi, str.	27 1	121 10	.09	N	5	o.
Cosmopolit, str.	25 59	120 45	.10	NNE	7	o.
Ariake Maru, str.	25 55	120 25	.14	N	3	c.
Menmuir, str.	25 9	119 33	.10	NE	7	k.
Hikosan Maru, str.	23 45	117 40	.02	NE	3	c.
Sendai Maru, str.	23 5	116 54	...	ENE	4	o.
Namyong, str.	22 38	116 41	.09	ENE	4	o.
Ask, str.	20 36	110 58	29.98	NNE	4	k.
Sungkiang, str.	20 0	116 30	.95	NE	5	op.
Keemun, str.	19 19	112 20	.93	NE	6	op.
China, str.	17 52	110 46	.92	NE	5	o.
Fort Stuart, sh.	17 48	133 7	.97	E	4	g.
Arratoon Apcar, str.	17 44	113 42	.88	NNE	6	or.
Deucalion, str.	15 56	118 1	.92	ENE	4	k.
Taiyuan, str.	14 51	119 57	...	SE	3	c.
Machew, str.	13 21	109 45	.92	N	7	ofr.
Taichiow, str.	8 26	105 28	.82	N	3	c.
Ravenna, str.	8 10	108 35	.87	var.	2	o.
Petrarch, str.	4 52	123 18	.89	NW	2	o.
October 31st.						
Bygdo, str.	35 58	122 47	30.23	N	4	c.
Ancona, str.	33 46	136 48	.02	ESE	3	or.
Manila, str.	33 43	130 0	29.98	NW	3	k.
Knight of St. John, str.	33 31	134 47	.88	N	5	omgr.
Braemar, str.	33 26	135 37	.81	ENE	4	or.
Chingping, str.	32 44	122 45	30.38	N	3	k.
Belgic, str.	31 30	175 54	.26	NE	4	c.
El Capitan, sh.	29 6	125 53	...	NW	6	k.
Lyeemoon, str.	28 12	121 47	.23	NNW	5	c.
Menmuir, str.	27 1	121 18	.27	NE	5	k.
Verona, str.	26 53	122 17	.19	NNE	6	c.
Oanfa, str.	26 42	121 2	.20	NNE	4	b.
Hikosan Maru, str.	25 42	119 38	.20	NNE	4	b.
Sendai Maru, str.	25 15	119 48	.13	NE/E	5	c.
Nanyang, str.	25 9	119 16	.15	NE	5	o.
Pakhoi, str.	24 28	118 4	.13	NE	5	o.
Cosmopolit, str.	23 30	117 48	.14	NE	6	o.
Ariake Maru, str.	23 10	117 25	.15	NE	5	or.
Arratoon Apcar, str.	20 5	113 51	29.97	NNE	6	or.
Ask, str.	20 4	110 20	30.04	N	4	orq.
Cassius, str.	19 44	112 39	29.98	NE	6	or.
Taiyuan, str.	18 41	117 52	...	NE	5	c.
Deucalion, str.	18 36	116 45	...	NE	5	...
Fort Stuart, sh.	17 48	130 42	.98	E	2	k.
Yuensang, str.	16 33	118 37	.94	E	3	c.
Keemun, str.	15 16	110 25	.82	NE	7	or.
Germania, str.	14 1	109 46	.78	NNW	6	or.
China, str.	13 43	109 42	.79	NNE	7	or.
Ravenna, str.	11 37	110 52	.78	NW	5	or.
Taichiow, str.	10 24	108 3	.82	NNW	4	c.
Machew, str.	9 9	107 50	.83	W	4	c.
Petrarch, str.	6 50	122 ...	...	W	1	om.

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Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
November 1st.						
Knight of St. John, str.	34°40′	135°11′	30.15	N	4	b.
Belgic, str.	32 46	169 59	.34	NNE	5	c.
Hupeh, str.	32 15	129 7	.19	NNE	3	c.
Empress of China, str.	32 0	126 11	.23	ENE	4	b.
Menmuir, str.	30 50	122 19	.27	N	4	k.
Empress of India, str.	30 1	122 24	.27	NE	3	k.
Chingping, str.	29 19	122 27	.36	NNE	2	k.
Sendai Maru, str.	28 11	121 48	.23	NNE	3	c.
Nanyang, str.	27 45	121 25	.20	NE	4-5	o.
Hikosan Maru, str.	27 43	121 55	.28	NE	3	b.
Taisang, str.	26 46	120 53	.24	NNE	4	b.
El Capitan, sh.	26 45	122 31	...	NE	2	k.
Pakhoi, str.	24 28	118 4	.19	NE	3	o.
Lyeemoon, str.	24 16	118 44	.20	NE	5-7	o.
Verona, str.	23 38	117 56	.16	NNE	6	c.
Ceylon, str.	23 15	117 19	.14	NNE	6	c.
Meefoo, str.	22 53	116 26	.14	NE	5	b.
Gerda, str.	22 30	114 53	.15	NE	6	c.
Cosmopolit, str.	22 13	114 50	.14	ENE	5	c.
Taiyuan, str.	22 ...	114 ...	.11	NE/E	6	c.

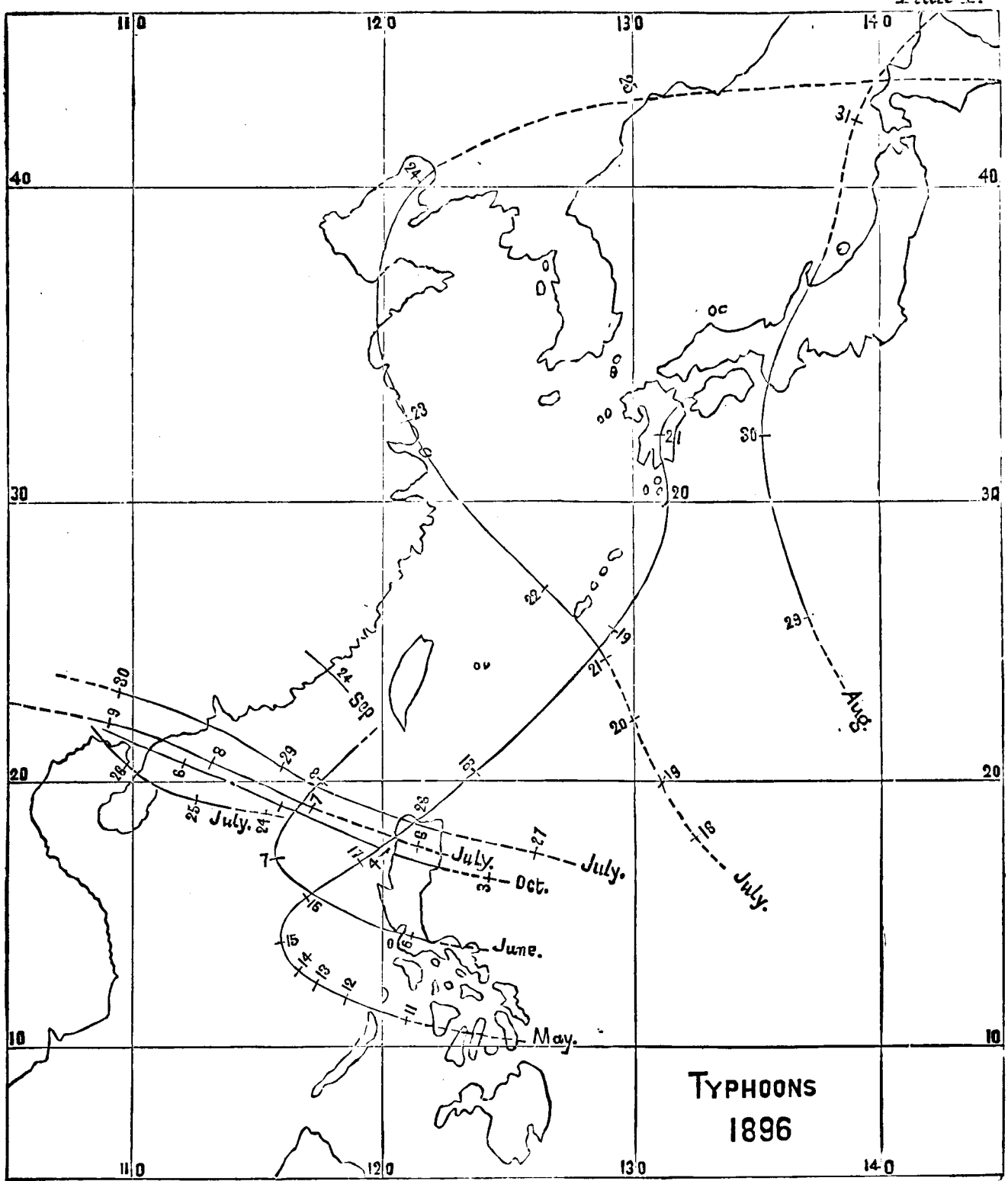
Vessel.	Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
November 1st.						
Deucalion, str.	21°23′	114°30′	30.12	NE	5	k.
Yuensang, str.	20 8	115 46	.04	NE	5	c.
Ask, str.	20 4	110 20	29.99	NE	6-7	orq.
Zaffro, str.	20 0	118 14	30.03	NE	7	c.
Fort Stuart, sh.	17 56	127 50	29.99	NE	5	...
Cassius, str.	16 19	109 46	.91	SE	5	o.
Ravenna, str.	16 12	113 9	.92	...	5	o.
Germania, str.	14 45	109 22	.88	S	4	c.
Taichiow, str.	12 41	109 28	.86	ESE	4	c.
Keemun, str.	10 43	108 59	.83	var.	4	k.
Petrarch, str.	10 30	122 ...	.96	NNE	3	cpq.
China, str.	10 16	107 22	.86	WNW	3	k.
Machew, str.	5 3	106 15	.92	SW	3	c.
Kalgan, str.	2 26	119 56	.91	var.	2	k.
Idzumi Maru, str.	1 31	103 0	.94	WSW	2	orq.
November 2nd.						
Bygdo, str.	40 4	121 38	...	WSW	2	k.
Nanchang, str.	35 6	122 48	30.10	SW	4	k.
Belgic, str.	33 57	163 46	.01	S/W	4	op.
Braemar, str.	33 43	131 49	.05	...	0	k.

NOVEMBER, 1896.

Vessel.	November 2nd. Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
Manila, str.	31° 49′	125° 4′	30.14	NW	3	k.
Hupeh, str.	29 35	125 23	.18	NW	3	c.
Hikosan Maru, str.	29 12	125 19	.20	var.	1	b.
Chingping, str.	26 6	120 31	.20	NNE	2	k.
Meefoo, str.	24 48	119 0	.12	NE	4	b.
El Capitan, sh.	24 45	119 15	...	NE	...	k.
Empress of India, str.	24 41	119 9	.15	NE	3	k.
Gerda, str.	23 59	117 52	.09	NE	4	c.
Taisang, str.	23 37	117 34	.14	NE	3	b.
Pakhoi, str.	23 20	116 40	.09	NE	4	b.
Keong Wai, str.	22 32	114 52	.10	E	5	o.

Vessel.	November 2nd. Lat. North.	Long. East.	Bar. ins.	Wind. Dir.	For. 0-12	Weather.
Ravenna, str.	20° 53′	113° 39′	30.01	NE	4	o.
Ask, str.	20 4	110 20	.01	E/S	3	o.
Fort Stuart, sh.	19 21	124 48	.01	NE/N	6	k.
Germania, str.	17 30	108 45	29.99	E	4	o.
Taichiow, str.	15 23	110 21	.91	NE	4	o.
Petrarch, str.	13 ...	120 40	...	N	1	k.
Cassius, str.	11 48	109 32	.93	SSE	4	c.
Keemun, str.	6 45	107 4	.88	var.	2	k.
Kalgan, str.	5 40	121 41	.89	NNE	4	k.
Machew, str.	1 16	104 9	.91	W	2	c.

Plate I.



TYPHOONS
1896

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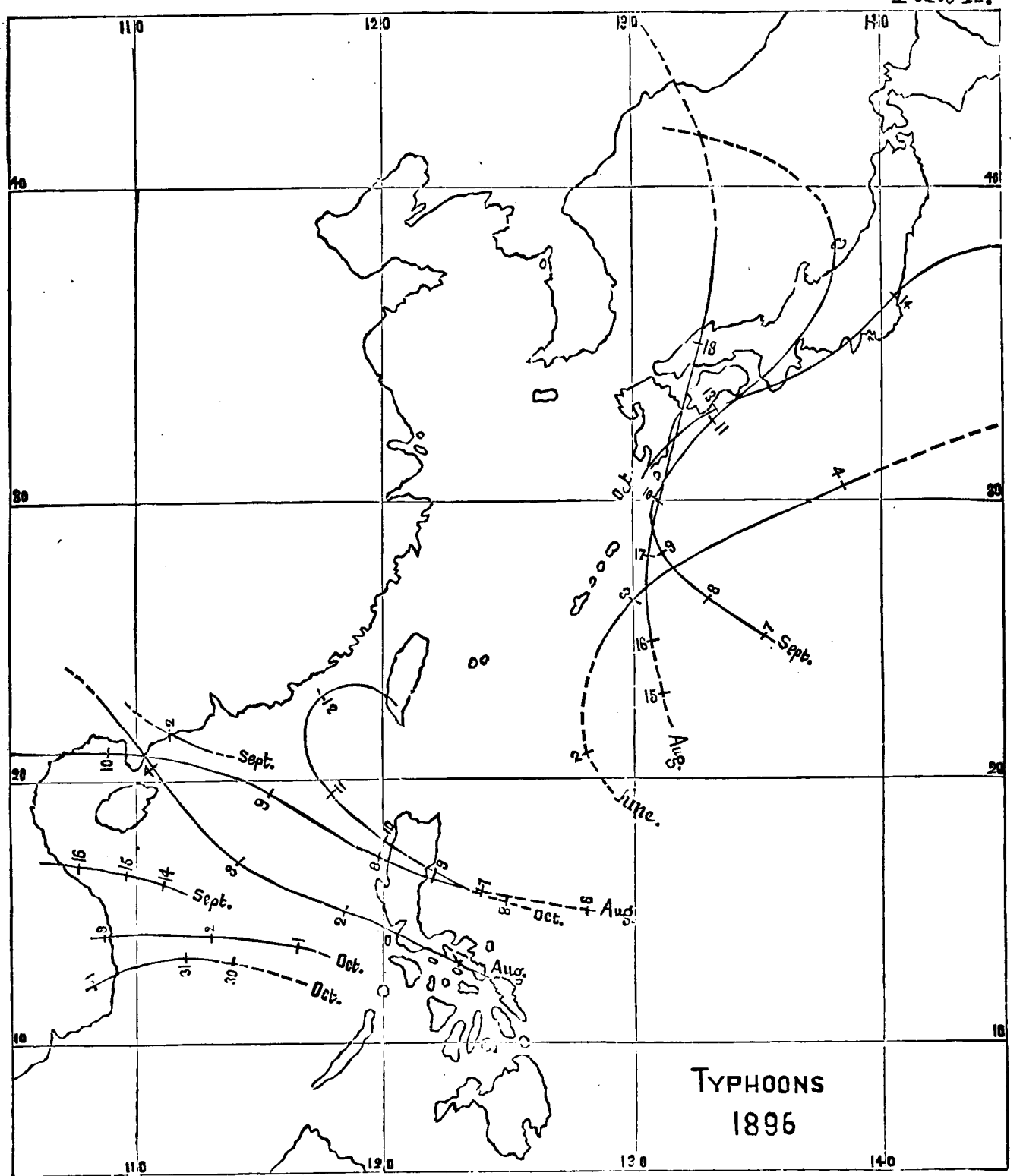
Plate II.



HONG KONG OBSERVATORY.

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