

GOVERNMENT NOTIFICATION.—No. 88.

The following Report of the Director of the Observatory on Five-day Means of the Principal Meteorological Elements, for 1886, is published for general information.

By Command,

FREDERICK STEWART,
Acting Colonial Secretary.

Colonial Secretary's Office, Hongkong, 5th March, 1887.

FIVE-DAY MEANS OF THE PRINCIPAL METEOROLOGICAL
ELEMENTS FOR 1886.

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

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

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

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

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

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

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

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

Victoria Peak: The first column exhibits the height of the barometer in inches reduced to 32° Fahrenheit but not to sea level as derived from tri-diurnal observations. The cistern is 1816 feet above mean sea level.

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

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

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

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

The five-day means of temperature in 1884, derived from observations made in STEVENSON'S screen at 10 a. and 10 p. and reduced to true air temperature and mean of 24 hours are as follows:—
62.1, 57.2, 62.5, 60.2, 62.7, 64.2, 57.0, 51.0, 55.6, 58.9, 58.2, 60.2, 60.4, 60.0, 61.3, 61.1, 63.9, 63.7, 60.1, 64.0, 65.8, 66.9, 72.0, 69.3, 72.3, 73.9, 69.3, 73.6, 75.4, 75.0, 76.5, 76.0, 78.6, 80.7, 79.3, 81.3, 80.3, 80.9, 82.5, 83.3, 82.2, 80.3, 80.5, 82.1, 82.1, 78.3, 83.1, 81.0, 81.0, 81.8, 79.8, 80.8, 80.9, 78.5, 78.6, 80.0, 80.1, 75.2, 74.7, 73.0, 76.5, 74.6, 70.3, 70.7, 64.8, 58.4, 61.4, 62.4, 59.7, 60.2, 59.5, 59.8, 57.7.

HONGKONG OBSERVATORY.

Five-Day Period. 1886.	Barometer.	Tempera- ture.	Humidity.	Vapour Tension.	Wind Velocity.	Nebulosity.	Sunshine.	Rain.
January..... 1- 5	30.204	58.5	48	0.238	9.1	0.1	9.8	0.000
"..... 6-10	.120	63.1	60	.348	12.2	6.6	4.8	0.000
".....11-15	.099	60.3	64	.337	16.5	4.5	7.3	0.004
".....16-20	.013	59.8	77	.396	12.5	9.9	0.6	0.005
".....21-25	29.793	60.6	88	.466	18.2	9.6	1.3	0.087
".....26-30	.985	52.0	74	.293	12.5	8.9	1.6	0.307
February.....31- 4	30.073	50.1	56	.212	24.0	8.1	2.1	0.005
"..... 5- 9	.027	53.6	71	.303	16.6	9.2	2.4	0.174
".....10-14	.051	53.3	76	.310	14.4	9.8	1.1	0.108
".....15-19	.102	53.4	83	.340	21.5	9.9	0.1	0.003
".....20-24	.153	52.9	73	.294	6.8	9.9	0.6	0.007
".....25- 1	29.994	58.0	88	.427	18.6	9.6	1.0	0.010
March..... 2- 6	30.011	60.3	89	.474	14.6	9.7	1.1	0.001
"..... 7-11	.038	60.8	81	.435	20.4	8.7	2.3	0.003
".....12-16	29.875	64.0	93	.561	17.0	8.9	2.7	0.213
".....17-21	.933	65.5	90	.568	13.9	8.0	4.9	0.005
".....22-26	.893	60.7	86	.475	11.0	9.8	1.0	0.254
".....27-31	.981	61.2	83	.456	17.6	9.5	0.2	0.042
April..... 1- 5	.836	69.9	94	.693	15.5	8.0	3.5	0.003
"..... 6-10	.892	70.7	88	.660	15.8	7.2	5.6	0.002
".....11-15	.737	69.6	91	.661	14.0	8.7	2.0	0.301
".....16-20	.783	67.3	85	.572	22.7	9.6	1.2	0.425
".....21-25	.903	70.3	85	.631	17.2	9.0	2.8	0.362
".....26-30	.918	68.6	78	.547	13.9	6.8	4.9	0.041
May..... 1- 5	.868	71.9	83	.652	15.7	6.9	4.9	0.003
"..... 6-10	.807	70.3	71	.532	19.3	8.5	4.3	0.264
".....11-15	.775	75.4	89	.783	14.8	9.4	3.2	0.005
".....16-20	.775	79.5	82	.830	8.3	4.7	9.4	0.001
".....21-25	.792	79.0	82	.811	11.4	5.3	8.4	0.010
".....26-30	.812	77.6	80	.764	17.7	7.3	5.7	0.003
June.....31- 4	.672	78.8	88	.862	12.6	9.6	0.8	1.250
"..... 5- 9	.708	79.6	88	.893	11.7	7.1	5.4	0.161
".....10-14	.572	77.5	85	.799	12.9	9.3	1.6	0.235
".....15-19	.655	78.9	77	.764	9.1	4.8	8.4	0.127
".....20-24	.781	81.0	83	.875	8.4	7.7	7.2	0.001
".....25-29	.683	82.2	79	.866	12.4	7.9	6.2	0.401
".....30- 4	.707	82.3	80	.886	11.5	7.4	7.7	0.140
July..... 5- 9	.763	79.2	85	.848	10.9	7.5	5.2	0.562
".....10-14	.683	80.9	84	.882	14.3	7.6	6.0	0.617
".....15-19	.645	78.1	86	.831	17.5	9.5	1.5	3.837
".....20-24	.623	80.7	81	.850	8.8	7.0	7.5	0.199
".....25-29	.597	81.8	82	.898	8.0	7.0	7.1	0.289
August.....30- 3	.659	82.8	80	.902	10.7	7.2	6.1	0.099
"..... 4- 8	.715	83.0	78	.882	7.9	6.7	7.7	0.002
"..... 9-13	.585	81.7	79	.855	6.9	6.7	7.8	0.118
".....14-18	.531	81.6	82	.887	12.0	9.0	4.1	0.137
".....19-23	.611	80.8	84	.880	7.4	5.1	8.8	0.009
".....24-28	.692	78.7	87	.851	10.8	7.8	4.6	1.350
September.....29- 2	.742	79.9	85	.868	6.6	7.4	6.0	0.179
"..... 3- 7	.703	80.6	72	.752	5.5	4.1	9.0	0.208
"..... 8-12	.723	78.4	61	.593	8.1	6.6	6.2	0.004
".....13-17	.706	80.2	64	.666	4.2	6.1	8.2	0.000
".....18-22	.659	82.1	72	.798	8.6	6.9	7.2	0.318
".....23-27	.810	78.2	61	.590	14.0	2.3	10.1	0.013
October.....28- 2	.877	78.0	66	.636	21.1	3.7	9.5	0.000
"..... 3- 7	.851	77.7	69	.651	12.1	5.2	5.8	0.000
"..... 8-12	.744	79.0	73	.732	11.7	2.8	9.1	0.448
".....13-17	.898	76.0	69	.624	22.6	7.2	4.7	0.005
".....18-22	.896	77.7	79	.752	12.4	4.5	7.0	0.019
".....23-27	29.887	76.7	79	.730	15.7	4.9	7.7	0.091
November.....28- 1	30.014	71.3	63	.502	11.5	3.7	9.2	0.000
"..... 2- 6	.030	72.2	65	.513	19.3	2.8	9.4	0.000
"..... 7-11	.032	70.5	59	.441	12.7	4.6	9.6	0.009
".....12-16	30.020	69.7	59	.430	14.1	3.4	10.0	0.000
".....17-21	29.985	68.0	52	.354	14.0	4.1	8.5	0.000
".....22-26	30.072	66.5	59	.386	15.9	1.5	8.5	0.000
December.....27- 1	.033	66.0	63	.413	16.7	4.6	7.9	0.001
"..... 2- 6	.076	63.5	63	.369	16.4	2.0	9.6	0.000
"..... 7-11	.165	59.9	35	.184	14.1	0.1	9.7	0.000
".....12-16	.043	58.6	50	.251	16.8	4.3	5.8	0.032
".....17-21	.063	60.5	65	.343	12.7	3.3	7.0	0.060
".....22-26	.077	57.5	66	.314	13.6	5.8	5.3	0.263
".....27-31	.085	58.9	49	.251	11.2	3.2	6.1	0.000

VICTORIA PEAK.

Five-Day Period. 1886.	Barometer.	Temperature.	Humidity.	Vapour Tension.	Wind Force.	Rain.
January..... 1- 5	28.400	51.7	72	0.288	3.9	0.00
"..... 6-10	.338	55.5	79	.357	4.3	0.00
"..... 11-15	.287	54.6	80	.346	4.8	0.00
"..... 16-20	.229	54.3	91	.388	4.3	0.00
"..... 21-25	.028	57.3	97	.465	5.1	0.22
"..... 26-30	.176	47.7	87	.301	5.1	0.31
February..... 31- 4	.232	42.2	80	.224	5.3	0.06
"..... 5- 9	.204	49.1	87	.324	5.5	0.22
"..... 10-14	.234	46.5	91	.297	5.0	0.08
"..... 15-19	.297	46.9	94	.310	5.9	0.11
"..... 20-24	.339	47.0	86	.289	4.9	0.00
"..... 25- 1	.211	55.4	94	.425	4.6	0.04
March..... 2- 6	.248	59.6	89	.477	4.4	0.00
"..... 7-11	.259	58.0	86	.434	5.4	0.00
"..... 12-16	.143	63.2	94	.564	4.4	0.23
"..... 17-21	.185	64.5	90	.570	3.8	0.00
"..... 22-26	.132	58.2	91	.463	5.0	0.38
"..... 27-31	.195	54.9	95	.427	5.0	0.04
April..... 1- 5	.114	66.9	96	.653	4.7	0.00
"..... 6-10	.152	66.8	95	.641	4.8	0.00
"..... 11-15	.014	66.1	96	.625	4.1	0.42
"..... 16-20	.043	61.9	93	.532	5.3	0.39
"..... 21-25	.163	64.7	95	.591	4.9	0.42
"..... 26-30	.181	63.4	89	.538	4.6	0.05
May..... 1- 5	.139	66.0	91	.600	4.8	0.00
"..... 6-10	.071	64.5	85	.529	5.2	0.16
"..... 11-15	.074	69.6	96	.708	4.8	0.00
"..... 16-20	.091	72.6	95	.774	4.3	0.00
"..... 21-25	.102	73.5	90	.765	3.9	0.00
"..... 26-30	.098	70.6	92	.710	4.8	0.06
June..... 31- 4	27.976	72.8	95	.769	4.9	2.73
"..... 5- 9	28.020	73.6	95	.801	3.8	0.20
"..... 10-14	27.869	70.3	94	.714	4.6	0.44
"..... 15-19	.974	72.8	86	.702	4.5	0.24
"..... 20-24	28.093	74.1	94	.800	4.8	0.09
"..... 25-29	.002	74.3	95	.807	5.9	0.55
July..... 30- 4	.026	74.7	96	.831	5.5	0.05
"..... 5- 9	.073	74.0	91	.773	4.5	0.68
"..... 10-14	.000	74.2	95	.815	5.1	1.06
"..... 15-19	27.954	72.1	96	.761	5.0	3.81
"..... 20-24	.936	73.5	95	.795	4.8	0.12
"..... 25-29	.926	74.9	94	.835	4.1	0.44
August..... 30- 3	.971	75.0	96	.846	5.1	0.06
"..... 4- 8	28.039	75.3	93	.824	4.1	0.00
"..... 9-13	27.901	74.9	94	.815	4.3	0.16
"..... 14-18	.846	74.6	96	.830	5.1	0.18
"..... 19-23	.938	75.9	89	.812	2.7	0.00
"..... 24-28	.990	72.9	95	.778	4.9	1.71
September..... 29- 2	28.046	74.6	91	.787	3.2	0.05
"..... 3- 7	.006	74.7	83	.723	3.5	0.28
"..... 8-12	.021	72.0	74	.596	4.0	0.03
"..... 13-17	.008	74.0	75	.642	3.4	0.00
"..... 18-22	27.976	76.3	82	.772	3.6	0.57
"..... 23-27	28.101	71.3	74	.590	4.6	0.00
October..... 28- 2	.162	70.6	81	.622	5.5	0.00
"..... 3- 7	.133	71.1	80	.627	4.5	0.00
"..... 8-12	.037	72.3	88	.722	3.9	0.34
"..... 13-17	.167	68.7	84	.614	5.8	0.00
"..... 18-22	.174	71.3	90	.714	3.9	0.00
"..... 23-27	.169	70.2	86	.655	4.3	0.00
November..... 28- 1	.273	66.6	72	.479	4.0	0.00
"..... 2- 6	.284	63.3	80	.486	4.3	0.00
"..... 7-11	.280	63.0	72	.438	3.7	0.00
"..... 12-16	.258	62.3	73	.425	4.6	0.00
"..... 17-21	.234	60.1	65	.357	4.5	0.00
"..... 22-26	.297	59.4	69	.362	4.8	0.00
December..... 27- 1	.274	59.1	73	.390	5.0	0.00
"..... 2- 6	.293	57.2	73	.358	4.1	0.00
"..... 7-11	.368	52.7	44	.185	4.5	0.00
"..... 12-16	.239	51.9	67	.271	4.9	0.05
"..... 17-21	.273	53.0	77	.318	4.7	0.19
"..... 22-26	.267	51.1	80	.314	4.4	0.29
"..... 27-31	.290	51.3	62	.253	4.6	0.00

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Hongkong Observatory, 7th February, 1887.