Abstracts and Tables of the Magnetic and Meteorological Instruments at Sixteen Stations in the Indian Archipelago.

Oscillation of the Declination at various Stations

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Moulmein.	′	′	′	′	′	′	′	′	′	′	′
Madras	.....	.....	.....	1·85	1·87	1·94	2·59	3·75	4·12	3·11	2·02
Nicobar	.....	.....	.....	1·68	1·44	0·92	0·18	0·00	0·42	2·02	3·38
Sambooanga	.....	.....	.....	3·01	3·06	3·10	3·58	3·91	3·28	2·01	0·85
Penang	.....	.....	.....	2·02	2·00	1·64	0·66	0·00	0·70	2·34	4·00
Pulo Dinding	.....	.....	.....	3·70	3·37	3·07	2·40	0·67	0·00	1·53	4·20
Sarawak	1·00	1·13	1·34	1·54	1·67	1·84	2·41	3·22	2·67	1·56	0·92
Keemah	.....	.....	.....	3·26	3·11	3·31	3·33	4·56	3·88	2·46	1·33
Pulo Peesang	.....	.....	.....	.....	.....	1·51	1·00	0·20	0·00	0·92	1·32
Singapore	.....	.....	.....	2·36	2·02	1·66	0·77	0·00	0·15	1·10	2·21
Carimon	.....	.....	.....	.....	.....	1·60	0·68	0·00	0·45	1·56	2·60
Bowaya	.....	.....	.....	.....	.....	1·80	0·25	0·00	0·47	1·17	2·15
Padang	.....	.....	.....	1·91	1·83	1·62	1·05	0·27	0·00	0·17	0·45
Bencoolen	.....	.....	.....	2·14	2·24	2·42	3·02	3·34	1·78	0·52	0·14
Batavia, Winter	2·28	2·20	2·15	2·33	2·28	2·10	1·55	0·48	0·00	0·13	0·75
Batavia, Spring	.....	.....	.....	1·33	1·28	1·23	1·40	1·25	0·43	0·10	0·00
Cocos	.....	.....	.....	3·28	3·44	3·41	3·81	3·36	1·75	0·39	0·00

Declino-

Moulmein	.....	.....	.....	1·6	1·0	0·7	1·5	2·2	2·0	2·4	1·7
Madras	.....	.....	.....	0·81	0·81	0·94	1·80	2·90	3·29	2·54	1·64
Nicobar	.....	.....	.....	1·44	1·24	0·88	0·08	0·00	0·38	2·19	2·96
Sambooanga	.....	.....	.....	3·22	3·27	3·23	3·75	3·57	2·34	1·78	1·07
Penang	.....	.....	.....	2·26	2·28	1·88	0·88	0·00	0·68	2·32	3·34
Pulo Dinding	.....	.....	.....	4·07	3·60	3·34	2·54	0·80	0·00	1·70	4·47
Sarawak	0·84	0·92	1·37	1·22	1·26	1·39	1·88	2·57	2·09	1·00	0·37
Keemah	.....	.....	.....	2·01	1·78	2·02	2·22	2·80	2·39	1·20	0·43
Pulo Peesang	.....	.....	.....	.....	1·00	1·75	1·06	0·00	0·18	1·02	1·26
Singapore	.....	.....	.....	2·64	2·37	2·01	1·15	0·09	0·00	1·08	2·35
Carimon	.....	.....	.....	.....	.....	1·92	0·55	0·00	0·92	2·18	3·47
Bowaya	.....	.....	.....	.....	.....	2·07	0·45	0·00	0·15	1·20	2·40
Padang	.....	.....	.....	1·91	1·82	1·58	1·03	0·18	0·00	0·35	0·98
Bencoolen	.....	.....	.....	2·15	2·50	3·10	4·10	3·40	2·35	1·05	0·30
Batavia, Winter	3·25	3·10	2·95	2·65	2·55	2·35	1·75	0·60	0.00	0·20	0·95
Batavia, Spring	.....	.....	.....	1·50	1·46	1·30	1·40	1·28	0·38	0·15	0·00
Cocos	.....	.....	.....	2·70	2·82	2·73	3·13	2·63	1·08	0·00	0·15

Declino-

Moulmein	.....	.....	.....	2·3	1·6	1·4	2·0	2·9	3·2	3·2	2·6
Madras	.....	.....	.....	2·01	2·11	2·15	2·99	4·43	4·60	3·47	2·10
Nicobar	.....	.....	.....	1·26	1·12	0·70	0·00	0·02	0·80	2·18	3·54
Sambooanga.											
Penang	.....	.....	.....	1·94	2·16	1·60	0·44	0·00	0·54	2·46	3·62
Pulo Dinding	.....	.....	.....	3·07	2·87	2·67	1·67	0·27	0·00	1·84	4·70
Sarawak.											
Keemah	.....	.....	.....	1·68	1·51	1·67	1·73	2·57	1·87	0·87	0·18
Pulo Peesang.											
Singapore	.....	.....	.....	2·34	2·02	1·62	0·74	0·00	0·08	1·08	2·22
Singapore, No. IV.	.....	.....	.....	2·50	2·76	2·29	1·44	0·13	0·00	0·90	1·99
Singapore, No. V.	.....	.....	.....	2·04	1·83	1·54	0·59	0·00	0·02	0·98	1·99
Padang.											
Bencoolen											
Batavia, Winter.											
Batavia, Spring.											
Cocos	.....	.....	.....	2·90	3·00	2·97	3·36	2·89	1·30	0·13	0·00

in the Eastern Archipelago.—Declinometer No. I.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
′	′	′	′	′	′	′	′	′	′	′	′	′	′
0·84	0·00	0·10	0·97	1·85	2·72	2·80	2·47	2·21	2·02	1·96	.....	.....	2·06
4·12	4·26	4·52	4·74	4·38	4·00	3·56	2·78	3·06	2·90	2·74	.....	.....	2·68
0·65	0·00	0·16	0·38	0·56	1·23	1·90	2·00	2·08	1·86	1·76	.....	.....	1·86
3·98	4·90	4·86	4·54	4·18	3·82	2·90	2·40	2·62	2·72	2·58	.....	.....	2·78
5·67	6·83	7·23	7·47	7·40	6·63	5·80	5·13	5·30	4·93	4·60	.....	.....	4·52
0·23	0·00	0·03	0·29	0·61	1·06	1·23	0·93	0·92	0·79	0·87	0·85	0·83	0·86
0·42	0·00	0·53	1·31	1·74	2·12	2·23	2·22	2·36	2·24	2·16	.....	.....	2·28
2·56	3·92	4·54	4·40	3·68	3·42	3·24	3·36	3·20	2·77	2·14	.....	.....	2·44
3·30	4·21	5·11	4·96	4·75	4·18	3·55	3·30	3·31	3·04	2·97	.....	.....	2·77
3·15	3·35	3·21	2·80	1·95	1·36	1·10	1·33	1·58	1·80	.....	.....	.....	1·78
3·17	3·72	3·52	2·97	2·45	2·40	2·32	2·47	2·32	2·20	.....	.....	.....	2·09
1·26	2·43	3·05	3·24	3·24	3·13	2·66	2·35	2·46	2·18	1·85	.....	.....	1·85
0·00	0·38	1·18	2·06	3·20	3·48	2·40	1·80	1·54	1·32	0·98	.....	.....	1·79
1·75	3·13	4·33	4·68	4·53	4·05	3·48	3·10	3·08	2·88	2·61	2·15	2·11	2·43
0·23	0·65	1·13	1·63	2·06	2·10	1·80	1·45	1·20	0·93	0·58	.....	.....	1·10
0·38	1·44	2·69	3·72	4·26	4·32	3·78	3·22	3·30	2·99	2·97	.....	.....	2·76

meter No. II.

0·8	0·00	0·00	0·4	1·1	1·9	2·3	2·3	1·9	1·4	1·3	.....	.....	1·4
0·69	0·00	0·25	0·89	1·68	2·13	1·91	1·34	1·00	0·67	0·53	.....	.....	1·34
3·72	3·78	3·98	4·10	3·70	3·24	2·80	1·92	2·30	2·24	2·12	.....	.....	2·27
1·08	0·00	0·15	0·65	0·77	1·60	2·17	2·17	2·15	1·95	1·98	.....	.....	1·94
3·10	4·24	4·16	3·82	3·44	3·02	2·20	1·24	1·88	1·84	1·66	.....	.....	2·42
5·84	6·44	6·84	7·40	7·44	6·80	5·94	5·07	5·20	4·64	4·37	.....	.....	4·55
0·13	0·00	0·19	0·67	1·24	1·76	1·96	1·52	1·21	0·97	1·05	0·98	0·83	1·14
0·11	0·00	0·70	1·19	1·46	1·69	1·75	1·59	1·54	1·44	1·13	.....	.....	1·45
1·76	2·46	3·26	3·08	2·38	2·22	2·15	1·96	1·96	1·78	1·73	.....	.....	1·72
3·58	4·50	5·53	5·43	5·18	4·63	4·00	3·71	3·64	3·41	3·06	.....	.....	3·07
4·23	4·67	4·60	4·37	3·68	3·25	2·83	2·95	2·88	2·60	.....	.....	.....	2·83
3·35	3·78	3·63	3·33	2·85	2·83	2·78	2·80	2·75	2·23	.....	.....	.....	2·29
2·09	3·56	4·49	4·82	4·80	4·38	3·72	3·23	3·15	2·63	2·28	.....	.....	2·47
0·00	0·35	1·45	3·10	4·30	4·25	4·00	4·15	3·95	3·70	3·05	.....	.....	2·69
2·10	3·90	5·12	5·70	5·67	5·25	4·63	4·17	4·05	3·90	3·60	3·22	3·07	3·10
0·50	1·13	1·83	2·48	3·03	3·18	2·96	2·50	2·26	1·88	1·40	.....	.....	1·58
0·89	2·17	3·33	4·33	4·72	4·55	3·91	3·10	2·71	2·60	2·29	.....	.....	2·62

meter No. III.

1·4	0·2	0·00	0·5	1·5	2·7	3·3	2·9	2·2	1·6	1·4	.....	.....	1·9
0·87	0·00	0·05	0·70	1·68	2·39	2·43	1·86	1·62	1·45	1·43	.....	.....	2·02
4·00	4·10	4·22	4·22	3·96	3·50	3·06	2·37	2·67	2·59	2·49	.....	.....	2·46
4·16	5·28	5·62	5·04	4·82	4·52	3·86	3·44	3·62	3·72	3·40	.....	.....	3·17
6·17	7·14	7·74	7·97	7·74	6·70	5·60	4·54	4·57	4·14	3·80	.....	.....	4·38
0·00	0·06	0·82	1·58	2·01	2·30	2·31	2·17	2·04	1·76	1·45	.....	.....	1·52
3·36	4·26	5·15	5·00	4·77	4·23	3·59	3·29	3·30	2·97	2·60	.....	.....	2·77
3·02	3·99	4·97	4·89	4·72	4·25	3·77	3·57	3·38	3·09	3·16	.....	.....	2·89
2·94	3·90	4·88	4·75	4·48	4·08	3·40	3·17	3·12	2·89	2·62	.....	.....	2·59
0·73	2·06	3·46	4·47	5·01	5·01	4·40	3·61	3·57	3·15	2·84	.....	.....	2·89

Oscillation of Declination at Singa-

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	′	′	′	′	′	′	′	′	′	′	′
November .....1848...	.....	.....	.....	2·27	3·02	2·40	1·52	0·16	0·00	0·85	1·96
December	.....	.....	.....	2·74	2·50	2·19	1·36	0·10	0·00	0·96	2·02
Sums	.....	.....	.....	5·01	5·52	4·59	2·88	0·26	0·00	1·81	3·98
Means	.....	.....	.....	2·50	2·76	2·29	1·44	0·13	0·00	0·90	1·99
Oscillation	.....	.....	.....	2·50	2·76	2·29	1·44	0·13	0·00	0·90	1·99

No.

November .....1848...	... ..	.....	.....	2·20	1·99	1·66	0·76	0·38	0·00	1·14	2·24
December	.....	.....	.....	2·26	2·05	1·80	0·80	0·00	0·43	1·21	2·12
Sums	.....	.....	.....	4·46	4·04	3·46	1·56	0·38	0·43	2·35	4·36
Means	.....	.....	.....	2·23	2·02	1·73	0·78	0·19	0·21	1·17	2·18
Oscillation	.....	.....	.....	2·04	1·83	1·54	0·59	0·00	0·02	0·98	1·99

Oscillation of the Declination at Batavia in Java,

November .....1846...	2·3	1·9	2·0	1·8	1·7	1·7	0·8	0·2	0·0	0·4	1·1
December	2·6	2·5	2·5	2·3	2·2	1·8	1·1	0·1	0·0	0·4	1·4
January .....1847...	2·2	2·3	2·1	2·6	2·5	2·2	1·7	0·3	0·0	0·4	0·9
February	2·7	2·8	2·7	3·3	3·4	3·4	3·3	2·0	0·7	0·0	0·3
Sums	9·8	9·5	9·3	10·0	9·8	9·1	6·9	2·6	0·7	1·2	3·7
Means	2·45	2·37	2·32	2·50	2·45	2·27	1·72	0·65	0·17	0·30	0·92
Oscillation	2·28	2·20	2·15	2·33	2·28	2·10	1·55	0·48	0·00	0·13	0·75

Oscillation of the Declination at Batavia in Java,

March .....1847...	.....	.....	.....	1·8	1·6	1·4	1·3	0·7	0·0	1·1	0·7
April	.....	.....	.....	2·7	2·6	2·4	2·5	1·9	0·9	0·0	0·4
May	.....	.....	.....	1·6	1·6	1·7	2·1	2·1	1·2	0·4	0·0
June	.....	.....	.....	0·9	1·0	1·1	1·4	2·0	1·3	0·6	0·6
Sums	.....	.....	.....	7·0	6·8	6·6	7·3	6·7	3·4	2·1	1·7
Means	.....	.....	.....	1·75	1·70	1·65	1·82	1·67	0·85	0·52	0·42
Oscillation	.....	.....	.....	1·33	1·28	1·23	1·40	1·25	0·43	0·10	0·00

Oscillation of the Declination at Sarawak in Borneo,

June .....1846...	1·17	1·38	1·61	1·79	1·83	2·02	2·52	3·24	2·70	1·73	0·96
July	0·80	0·93	1·24	1·42	1·63	1·77	2·27	2·92	2·36	1·43	0·75
August	1·18	1·22	1·33	1·55	1·70	1·88	2·58	3·64	3·09	1·67	1·19
Sums	3·15	3·53	4·18	4·76	5·16	5·67	7·37	9·80	8·15	4·83	2·90
Means	1·05	1·18	1·39	1·59	1·72	1·89	2·46	3·27	2·72	1·61	0·97
Oscillation	1·00	1·13	1·34	1·54	1·67	1·84	2·41	3·22	2·67	1·56	0·92

Oscillation of the Declination at Padang in Sumatra,

October .....1847...	.....	.....	.....	1·61	1·53	1·55	1·43	1·12	0·68	0·48	0·00
November	.....	.....	.....	1·82	1·84	1·54	0·83	0·00	0·13	0·18	0·69
December	.....	.....	.....	2·78	2·69	2·36	1·67	0·61	0·00	0·46	1·16
January .....1848...	.....	.....	.....	2·22	2·07	1·85	1·08	0·17	0·00	0·37	0·76
Sums	.....	.....	.....	8·43	8·13	7·30	5·01	1·90	0·81	1·49	2·51
Means	.....	.....	.....	2·11	2·03	1·82	1·25	0·47	0·20	0·37	0·65
Oscillation	.....	.....	.....	1·91	1·83	1·62	1·05	0·27	0·00	0·17	0·45

pore, Eastern Archipelago.—No. IV.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
′	′	′	′	′	′	′	′	′	′	′	′	′	′
3·12	3·95	5·04	4·87	5·07	4·41	3·96	3·96	3·40	3·00	2·58	.....	.....	2·98
2·93	4·04	4·90	4·92	4·37	4·09	3·59	3·19	3·36	3·19	3·74	.....	.....	2·80
6·05	7·99	9·94	9·79	9·44	8·50	7·55	7·15	6·76	6·19	6·32	.....	.....	5·78
3·02	3·99	4·97	4·89	4·72	4·25	3·77	3·57	3·38	3·09	3·16	.....	.....	2·89
3·02	3·99	4·97	4·89	4·72	4·25	3·77	3·57	3·38	3·09	3·16	.....	.....	2·89

V.

3·29	4·27	5·31	4·99	4·96	4·59	3·88	3·89	3·72	3·41	3·14	.....	.....	2·94
2·97	3·92	4·83	4·89	4·39	3·95	3·31	2·83	2·90	2·75	2·49	.....	.....	2·63
6·26	8·19	10·14	9·88	9·35	8·54	7·19	6·72	6·62	6·16	5·63	.....	.....	5·57
3·13	4·09	5·07	4·94	4·67	4·27	3·59	3·36	3·31	3·08	2·81	.....	.....	2·78
2·94	3·90	4·88	4·75	4·48	4·08	3·40	3·17	3·12	2·89	2·62	.....	.....	2·59

Eastern Archipelago.—Declinometer No. I.

2·2	3·3	4·6	4·6	4·3	3·9	3·6	3·0	2·9	2·6	2·5	2·2	2·2	2·3
2·2	3·4	4·2	4·4	4·2	3·9	3·3	2·9	2·9	2·8	2·7	2·5	2·3	2·5
1·8	3·2	4·3	4·5	4·3	3·6	3·1	3·0	3·1	2·9	2·2	2·0	2·0	2·4
1·5	3·3	4·9	5·9	6·0	5·5	4·6	4·2	4·1	3·9	3·7	2·5	2·6	3·3
7·7	13·2	18·0	19·4	18·8	16·9	14·6	13·1	13·0	12·2	11·1	9·2	9·1	10·5
1·92	3·30	4·50	4·85	4·70	4·22	3·65	3·27	3·25	3·05	2·78	2·30	2·28	2·62
1·75	3·13	4·33	4·68	4·53	4·05	3·48	3·10	3·08	2·88	2·61	2·15	2·11	2·43

Eastern Archipelago.—Declinometer No. I.

1·4	2·1	2·5	2·8	2·7	2·6	2·3	2·2	2·1	1·9	1·3	.....	.....	1·7
1·2	2·0	2·6	3·0	3·3	3·1	3·0	2·9	2·6	2·3	2·1	.....	.....	2·2
0·0	0·1	0·7	1·5	2·2	2·6	2·3	1·7	1·3	0·9	0·6	.....	.....	1·3
0·0	0·1	0·4	0·9	1·7	1·8	1·3	0·7	0·5	0·3	0·0	.....	.....	0·9
2·6	4·3	6·2	8·2	9·9	10·1	8·9	7·5	6·5	5·4	4·0	.....	.....	6·1
0·65	1·07	1·55	2·05	2·48	2·52	2·22	1·87	1·62	1·35	1·00	.....	.....	1·52
0·23	0·63	1·13	1·63	2·06	2·10	1·80	1·45	1·20	0·93	0·58	.....	.....	1·10

Eastern Archipelago.—Declinometer No. I.

0·42	0·08	0·00	0·27	0·53	0·87	0·91	0·71	0·85	0·72	0·81	0·87	0·92	1·20
0·29	0·08	0·00	0·11	0·43	0·79	1·08	0·78	0·64	0·54	0·52	0·55	0·59	1·00
0·13	0·00	0·23	0·65	1·02	1·67	1·86	1·46	1·42	1·27	1·42	1·28	1·14	1·42
0·84	0·16	0·23	1·03	1·98	3·33	3·85	2·95	2·91	2·53	2·75	2·70	2·65	3·62
0·28	0·05	0·08	0·34	0·66	1·11	1·28	0·98	0·97	0·84	0·92	0·90	0·88	0·91
0·23	0·00	0·03	0·29	0·61	1·06	1·23	0·93	0·92	0·79	0·87	0·85	0·83	0·86

Eastern Archipelago.—Declinometer No. I.

0·78	2·12	2·91	3·13	2·90	2·83	2·43	2·28	2·03	1·78	1·33	.....	.....	1·73
1·83	2·79	3·34	3·45	3·18	2·93	2·55	2·36	2·36	2·08	1·81	.....	.....	1·88
1·97	3·18	3·75	3·95	4·25	4·16	3·69	3·04	3·15	3·10	2·85	.....	.....	2·57
1·25	2·42	3·00	3·24	3·45	3·39	2·79	2·52	3·12	2·55	2·22	.....	.....	8·02
5·83	10·51	13·00	13·77	13·78	13·31	11·46	10·20	10·66	9·51	8·21	.....	.....	8·20
1·46	2·63	3·25	3·44	3·44	3·33	2·86	2·55	2·66	2·38	2·05	.....	.....	2·05
1·26	2·43	3·05	3·24	3·24	3·13	2·66	2·35	2·46	2·18	1·85	.....	.....	1·85

Oscillation of the Declination at Singapore,

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	′	′	′	′	′	′	′	′	′	′	′
November .....1848...	.....	.....	.....	2·33	1·94	1·53	0·70	0·00	0·10	0·93	2·16
December	.....	.....	.....	2·38	2·11	1·79	0·85	0·00	0·21	1·28	2·27
Means	.....	.....	.....	2·36	2·02	1·66	0·77	0·00	0·15	1·10	2·21

Oscillation of the Declination at Batavia in

November ...1846.....	2·4	2·2	2·1	1·9	1·8	1·7	0·9	0·1	0·0	0·4	1·2
December	3·2	3·0	2·9	2·7	2·4	2·1	1·3	0·3	0·0	0·5	1·5
January .....1847.....	3·7	3·7	3·6	2·9	2·7	2·4	1·8	0·4	0·0	0·5	1·2
February	3·9	4·1	3·8	3·7	3·8	3·7	3·5	2·2	0·6	0·0	0·5
Sums	13·2	13·0	12·4	11·2	10·7	9·9	7·5	3·0	0·6	1·4	4·4
Means	3·40	3·25	3·10	2·80	2·70	2·50	1·90	0·75	0·15	0·35	1·10
Oscillation	3·25	3·10	2·95	2·65	2·55	2·35	1·75	0·60	0·00	0·20	0·95

Oscillation of the Declination at Batavia in

March .....1847.....	.....	.....	.....	2·3	2·1	1·7	1·5	0·9	0·0	1·2	0·8
April	.....	.....	.....	2·8	2·7	2·5	2·4	2·0	0·8	0·0	0·5
May	.....	.....	.....	1·6	1·6	1·6	2·0	1·9	1·1	0·4	0·0
June	.....	.....	.....	0·6	0·7	0·7	1·0	1·6	0·9	0·3	0·0
Sums	.....	.....	.....	7·3	7·1	6·5	6·9	6·4	2·8	1·9	1·3
Means	.....	.....	.....	1·82	1·78	1·62	1·72	1·60	0·70	0·47	0·32
Oscillation	.....	.....	.....	1·50	1·46	1·30	1·40	1·28	0·38	0·15	0·00

Oscillation of the Declinometer No. III.

November ...1848.....	.....	.....	.....	2·32	1·92	1·48	0·64	0·09	0·00	0·94	2·16
December	.....	.....	.....	2·45	2·20	1·84	0·93	0·00	0·25	1·30	2·36
Means	.....	.....	.....	2·38	2·06	1·66	0·78	0·04	0·12	1·12	2·26
Oscillation	.....	.....	.....	2·34	2·02	1·62	0·74	0·00	0·08	1·08	2·22

Oscillation of the Declination at Sarawak in

June .....1846.....	0·65	0·84	1·03	1·14	1·14	1·28	1·76	2·45	1·86	1·00	0·41
July	1·19	1·23	2·23	1·58	1·64	1·61	1·89	2·42	2·00	0·86	0·19
August	0·68	0·69	0·85	0·94	1·01	1·29	1·98	2·85	2·40	1·15	0·51
Sums	2·52	2·76	4·11	3·66	3·79	4·18	5·63	7·72	6·26	3·01	1·11
Means	0·84	0·92	1·37	1·22	1·26	1·39	1·88	2·57	2·09	1·00	0·37
Oscillation	0·84	0·92	1·37	1·22	1·26	1·39	1·88	2·57	2·09	1·00	0·37

Oscillation of the Declination at Padang in Sumatra,

October .....1847.....	.....	.....	.....	1·21	1·15	1·12	0·98	0·61	0·22	0·03	0·00
November	.....	.....	.....	1·98	1·94	1·64	0·94	0·00	0·16	0·29	1·06
December	.....	.....	.....	2·66	2·59	2·26	1·65	0·43	0·00	0·71	1·81
January .....1848.....	.....	.....	.....	2·15	1·97	1·67	0·92	0·05	0·00	0·75	1·41
Sums	.....	.....	.....	8·00	7·65	6·69	4·49	1·09	0·38	1·78	4·28
Means	.....	.....	.....	2·00	1·91	1·67	1·12	0·27	0·09	0·44	1·07
Oscillation	.....	.....	.....	1·91	1·82	1·58	1·03	0·18	0·00	0·35	0·98

Eastern Archipelago.—Declinometer No. I.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
′	′	′	′	′	′	′	′	′	′	′	′	′	′
3·47	4·24	5·22	5·02	5·07	4·35	3·76	3·74	3·60	3·33	2·94	.....	.....	2·86
3·12	4·19	5·01	4·90	4·42	4·02	3·33	2·85	3·03	2·75	3·01	.....	.....	2·68
3·30	4·21	5·11	4·96	4·75	4·18	3·55	3·30	3·31	3·04	2·97	.....	.....	2·77

Java, Eastern Archipelago.—Declinometer No. II.

2·4	3·9	4·8	5·2	5·0	4·6	4·0	3·4	3·2	2·8	2·6	2·3	2·3	2·5
2·5	4·2	5·3	5·7	5·6	5·4	4·9	4·3	4·2	3·9	3·5	3·2	2·8	3·3
2·0	4·0	5·1	5·5	5·5	4·9	4·4	4·2	4·2	4·5	4·2	3·8	3·6	3·2
2·1	4·1	5·9	7·0	7·2	6·7	5·8	5·4	5·2	5·0	4·7	4·2	4·2	4·0
9·0	16·2	21·1	23·4	23·3	21·6	19·1	17·3	16·8	16·2	15·0	13·5	12·9	13·0
2·25	4·05	5·27	5·85	5·82	5·40	4·78	4·32	4·20	4·05	3·75	3·37	3·22	3·25
2·10	3·90	5·12	5·70	5·67	5·25	4·63	4·17	4·05	3·90	3·60	3·22	3·07	3·10

Java, Eastern Archipelago.—Declinometer No. II.

1·8	2·7	3·3	3·7	3·7	3·7	3·6	3·4	3·3	3·0	2·2	.....	.....	2·3
1·3	2·3	3·1	3·7	4·1	4·0	3·9	3·8	3·4	3·1	2·7	.....	.....	2·5
0·1	0·5	1·3	2·1	3·0	3·4	3·1	2·4	2·0	1·5	1·1	.....	.....	1·6
0·1	0·3	0·9	1·7	2·6	2·9	2·5	1·7	1·6	1·2	0·9	.....	.....	1·2
3·3	5·8	8·6	11·2	13·4	14·0	13·1	11·3	10·3	8·8	6·9	.....	.....	7·6
0·82	1·45	2·15	2·80	3·35	3·50	3·28	2·82	2·58	2·20	1·72	.....	.....	1·90
0·50	1·13	1·83	2·48	3·03	3·18	2·96	2·50	2·26	1·88	1·40	.....	.....	1·58

at Singapore, Eastern Archipelago.

3·57	4·29	5·29	5·04	5·09	4·40	3·80	3·69	3·54	3·19	2·85	.....	.....	2·86
3·23	4·31	5·10	5·04	4·53	4·14	3·47	2·97	3·15	2·83	2·44	.....	.....	2·77
3·40	4·30	5·19	5·04	4·81	4·27	3·63	3·33	3·34	3·01	2·64	.....	.....	2·81
3·36	4·26	5·15	5·00	4·77	4·23	3·59	3·29	3·30	2·97	2·60	.....	.....	2·77

Borneo, Eastern Archipelago.—Declinometer No. II.

0·17	0·00	0·16	0·63	0·93	1·24	1·35	0·99	0·88	0·55	0·63	0·57	0·57	0·93
0·15	0·01	0·00	0·36	1·28	1·67	2·11	1·69	1·39	1·31	1·35	1·23	1·18	1·26
0·08	0·00	0·42	1·03	1·50	2·36	2·41	1·87	1·35	1·06	1·16	0·93	0·75	1·22
0·40	0·01	0·58	2·02	3·71	5·27	5·87	4·55	3·62	2·92	3·14	2·73	2·50	3·41
0·13	0·00	0·19	0·67	1·24	1·76	1·96	1·52	1·21	0·97	1·05	0·98	0·83	1·14
0·13	0·00	0·19	0·67	1·24	1·76	1·96	1·52	1·21	0·97	1·05	0·98	0·83	1·14

Eastern Archipelago.—Declinometer No. II.

0·98	2·59	3·80	4·16	3·80	3·12	2·53	2·43	2·20	1·61	1·23	.....	.....	1·78
2·45	3·69	4·40	4·61	4·39	4·04	3·51	3·14	2·98	2·56	2·27	.....	.....	2·42
3·01	4·53	5·41	5·71	6·10	5·76	5·08	4·07	3·88	3·56	3·21	.....	.....	3·29
2·28	3·78	4·69	5·14	5·29	4·96	4·12	3·63	3·87	3·16	2·77	.....	.....	2·77
8·72	14·59	18·30	19·62	19·58	17·88	15·24	13·27	12·93	10·89	9·48	.....	.....	10·26
2·18	3·65	4·58	4·91	4·89	4·47	3·81	3·32	3·24	2·72	2·37	.....	.....	2·56
2·09	3·56	4·49	4·82	4·80	4·38	3·72	3·23	3·15	2·63	2·28	.....	.....	2·47

Oscillation of the Declination at Singapore,

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	′	′	′	′	′	′	′	′	′	′	′
November .....1848...	.....	.....	.....	2·61	2·29	1·82	1·05	0·22	0·00	0·92	2·25
December	.....	.....	.....	2·72	2·50	2·25	1·29	0·00	0·04	1·28	2·50
Mean	.....	.....	.....	2·66	2·39	2·03	1·17	0·11	0·02	1·10	2·37
Oscillation	.....	.....	.....	2·64	2·37	2·01	1·15	0·09	0·00	1·08	2·35

Mean Hourly Oscillation of the Magnetic Declination at Singapore

December	2·34	2·34	2·27	2·16	2·08	1·72	0·88	0·00	0·01	0·64	1·49
January	2·43	2·35	2·24	2·10	1·88	1·53	0·91	0·03	0·00	0·62	1·15
February	2·88	2·82	2·80	2·82	2·67	2·47	1·93	0·78	0·04	0·00	0·52
Sums	7·65	7·51	7·31	7·08	6·63	5·72	3·72	0·81	0·05	1·26	3·16
Means	2·55	2·50	2·44	2·36	2·21	1·91	1·24	0·27	0·02	0·42	1·05
Oscillation	2·53	2·48	2·42	2·34	2·19	1·89	1·22	0·25	0·00	0·40	1·03

Mean Hourly Oscillation of the Magnetic Declina-

March	1·25	1·30	1·28	1·24	1·18	1·15	1·16	0·71	0·00	0·11	0·75
April	1·22	1·38	1·44	1·43	1·31	1·22	1·66	1·43	0·47	0·00	0·28
May	1·56	1·73	1·91	1·96	2·01	2·11	3·05	3·34	2·07	1·00	0·42
Sums	4·03	4·41	4·63	4·63	4·50	4·58	5·87	5·48	2·54	1·11	1·45
Means	1·34	1·47	1·54	1·54	1·50	1·53	1·96	1·83	0·85	0·37	0·48
Oscillation	0·97	1·10	1·17	1·17	1·13	1·16	1·59	1·46	0·48	0·00	0·11

Mean Hourly Oscillation of the Magnetic Declina-

June	0·55	0·78	0·86	1·00	1·03	1·21	1·96	2·32	1·23	0·62	0·00
July	0·77	1·01	1·20	1·13	1·15	1·65	2·44	2·87	1·89	0·78	0·15
August	1·81	2·01	2·09	2·18	2·24	2·52	3·66	4·05	2·59	1·13	0·23
Sums	3·13	3·80	4·15	4·31	4·42	5·38	8·06	9·24	5·71	2·53	0·38
Means	1·04	1·27	1·38	1·44	1·47	1·79	2·69	3·08	1·90	0·84	0·13
Oscillation	0·97	1·20	1·31	1·37	1·40	1·72	2·62	3·01	1·83	0·77	0·06

Mean Hourly Oscillation of the Magnetic Declina-

September.....	1·67	1·83	1·85	1·91	2·01	2·07	2·86	2·57	1·12	0·26	0·00
October.....	2·06	2·02	2·02	1·90	1·82	1·64	1·68	0·84	0·18	0·00	0·42
November	2·06	2·09	2·04	1·90	1·68	1·45	0·68	0·00	0·02	0·35	1·16
Sums	5·79	5·94	5·91	5·71	5·51	5·16	5·22	3·41	1·32	0·61	1·58
Means	1·93	1·98	1·97	1·90	1·84	1·72	1·74	1·14	0·44	0·20	0·53
Oscillation	1·73	1·78	1·77	1·70	1·64	1·52	1·54	0·94	0·24	0·00	0·33

Mean Hourly Oscillation of the Magnetic Decli-

Winter	2·53	2·48	2·42	2·34	2·19	1·89	1·22	0·25	0·00	0·40	1·03
Spring	0·97	1·10	1·17	1·17	1·13	1·16	1·59	1·46	0·48	0·00	0·11
Summer.....	0·97	1·20	1·31	1·37	1·40	1·72	2·62	3·01	1·83	0·77	0·06
Autumn.....	1·73	1·78	1·77	1·70	1·64	1·52	1·54	0·94	0·24	0·00	0·33
Sums	6·20	6·56	6·67	6·58	6·36	6·29	6·97	5·66	2·55	1·17	1·53
Means	1·55	1·64	1·67	1·64	1·59	1·57	1·74	1·41	0·64	0·29	0·38
Oscillation	1·26	1·35	1·38	1·35	1·30	1·28	1·45	1·12	0·35	0·00	0·09

Eastern Archipelago.—Declinometer No. II.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
3·64	4·52	5·68	5·40	5·50	4·80	4·19	4·15	3·94	3·68	3·32	.....	.....	3·16
3·55	4·53	5·42	5·50	4·90	4·51	3·86	3·31	3·38	3·18	2·85	.....	.....	3·03
3·60	4·52	5·55	5·45	5·20	4·65	4·02	3·73	3·66	3·43	3·08	.....	.....	3·09
3·58	4·50	5·53	5·43	5·18	4·63	4·00	3·71	3·64	3·41	3·06	.....	.....	3·07

in the Winter Months of 1843, 1844, 1845.—Scale Divisions.

2·60	3·70	4·40	4·43	4·35	4·20	3·60	3·19	3·01	2·86	2·65	2·49	2·41	2·49
1·80	2·97	3·74	4·09	4·00	3·70	3·29	3·14	3·17	2·97	2·85	2·66	2·46	2·34
2·12	3·36	4·32	4·63	4·49	4·08	3·72	3·43	3·39	3·21	3·02	2·84	2·81	2·70
6·52	10·03	12·46	13·15	12·84	11·98	10·61	9·76	9·57	9·04	8·52	7·99	7·68	7·53
2·17	3·34	4·15	4·38	4·28	3·99	3·54	3·25	3·19	3·01	2·84	2·66	2·56	2·51
2·15	3·32	4·13	4·36	4·26	3·97	3·52	3·23	3·17	2·99	2·82	2·64	2·54	2·49

tion in the Spring Months of 1843, 1844, 1845.

1·52	1·90	2·09	2·41	2·59	2·35	2·08	1·88	1·61	1·38	1·27	1·21	1·19	1·40
0·58	0·53	0·90	1·09	1·50	1·72	1·67	1·44	1·17	0·93	0·82	0·92	1·04	1·09
0·00	0·09	0·71	1·21	1·66	2·04	1·44	1·48	1·27	1·08	1·00	1·11	1·16	1·49
2·10	2·52	3·70	4·71	5·75	6·11	5·19	4·80	4·05	3·39	3·09	3·24	3·39	3·98
0·70	0·84	1·23	1·57	1·92	2·04	1·73	1·60	1·35	1·13	1·03	1·08	1·13	1·33
0·33	0·47	0·86	1·20	1·55	1·67	1·36	1·23	0·98	0·76	0·66	0·71	0·76	0·96

tion in the Summer Months of 1843, 1844, 1845.

0·22	0·29	0·62	0·79	0·89	0·77	0·54	0·15	0·04	0·03	0·04	0·08	0·25	0·58
0·00	0·07	0·55	0·89	1·26	1·49	1·31	0·74	0·48	0·35	0·31	0·39	0·52	0·99
0·00	0·32	0·95	1·46	2·25	2·39	2·66	2·14	1·91	1·63	1·52	1·51	1·66	1·89
0·22	0·68	2·12	3·14	4·40	4·65	4·51	3·03	2·43	2·01	1·87	1·98	2·43	3·46
0·07	0·23	0·71	1·05	1·47	1·55	1·50	1·01	0·81	0·67	0·62	0·66	0·81	1·15
0·00	0·16	0·64	0·98	1·40	1·48	1·43	0·94	0·74	0·60	0·57	0·59	0·74	1·08

tion in the Autumn Months of 1843, 1844, 1845.

0·26	0·71	1·34	1·97	2·43	2·37	2·26	2·15	1·91	1·68	1·60	1·53	1·55	1·97
1·50	2·77	3·38	3·42	3·20	2·86	2·61	2·59	2·40	2·18	2·03	1·92	1·88	1·97
2·37	3·61	4·25	4·41	4·17	3·61	3·05	2·88	2·72	2·46	2·27	2·01	2·03	2·22
4·13	7·09	8·97	9·80	9·80	8·84	7·92	7·62	7·03	6·32	5·90	5·46	5·46	6·16
1·38	2·36	2·99	3·27	3·27	2·95	2·64	2·54	2·34	2·11	1·97	1·82	1·82	2·05
1·18	2·16	2·79	3·07	3·07	2·75	2·44	2·34	2·14	1·91	1·77	1·62	1·62	1·85

nation in the four Seasons of 1843, 1844, 1845.

2·15	3·32	4·13	4·36	4·26	3·97	3·52	3·23	3·17	2·99	2·82	2·64	2·54	2·49
0·33	0·47	0·86	1·20	1·55	1·67	1·36	1·23	0·98	0·76	0·66	0·71	0·76	0·96
0·00	0·16	0·64	0·98	1·40	1·48	1·43	0·94	0·74	0·60	0·57	0·59	0·74	1·08
1·18	2·16	2·79	3·07	3·07	2·75	2·44	2·34	2·14	1·91	1·77	1·62	1·62	1·85
3·66	6·11	8·42	9·61	10·28	9·87	8·75	7·74	7·03	6·26	5·82	5·56	5·66	6·38
0·91	1·53	2·11	2·40	2·57	2·47	2·19	1·93	1·76	1·56	1·45	1·39	1·41	1·59
0·62	1·24	1·82	2·11	2·28	2·18	1·90	1·64	1·47	1·27	1·16	1·10	1·12	1·30

Mean Hourly Oscillation of the Magnetic Declina-

Singapore Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
December	2·34	2·34	2·27	2·16	2·08	1·72	0·88	0·00	0·01	0·64	1·49
January	2·43	2·35	2·24	2·10	1·88	1·53	0·91	0·03	0·00	0·62	1·15
February	2·88	2·82	2·80	2·82	2·67	2·47	1·93	0·78	0·04	0·00	0·52
March	1·25	1·30	1·28	1·24	1·18	1·15	1·16	0·71	0·00	0·11	0·75
April	1·22	1·38	1·44	1·43	1·31	1·22	1·66	1·43	0·47	0·00	0·28
May	1·56	1·73	1·91	1·96	2·01	2·11	3·05	3·34	2·07	1·00	0·42
June	0·55	0·78	0·86	1·00	1·03	1·21	1·96	2·32	1·23	0·62	0·00
July	0·77	1·01	1·20	1·13	1·15	1·65	2·44	2·87	1·89	0·78	0·15
August	1·81	2·01	2·09	2·18	2·24	2·52	3·66	4·05	2·59	1·13	0·23
September	1·67	1·83	1·85	1·91	2·01	2·07	2·86	2·57	1·12	0·26	0·00
October	2·06	2·02	2·02	1·90	1·82	1·64	1·68	0·84	0·18	0·00	0·42
November	2·06	2·09	2·04	1·90	1·68	1·45	0·68	0·00	0·02	0·35	1·16
Sums	20·60	21·66	22·00	21·73	21·06	20·74	22·87	18·94	9·62	5·51	6·57
Means	1·72	1·81	1·88	1·81	1·76	1·78	1·91	1·58	0·80	0·46	0·55
Oscillation	1·26	1·35	1·37	1·35	1·30	1·27	1·45	1·12	0·35	0·00	0·09

Mean Oscillation of the Magnetic Declination at Singapore

1843	1·31	1·37	1·41	1·32	1·30	1·20	1·36	1·02	0·37	0·00	0·10
1844	1·36	1·46	1·49	1·51	1·46	1·41	1·57	1·23	0·38	0·00	0·04
1845	1·13	1·21	1·24	1·24	1·21	1·20	1·41	1·13	0·37	0·00	0·14
Sums	3·80	4·04	4·14	4·07	3·97	3·81	4·34	3·38	1·12	0·00	0·28
Oscillation	1·27	1·35	1·38	1·36	1·32	1·27	1·45	1·13	0·37	0·00	0·09

tion for each Month of the Years 1843, 1844, 1845.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
′	′	′	′	′	′	′	′	′	′	′	′	′	′
2·60	3·70	4·40	4·43	4·35	4·20	3·60	3·19	3·01	2·86	2·65	2·49	2·41	2·49
1·80	2·97	3·74	4·09	4·00	3·70	3·29	3·14	3·17	2·97	2·85	2·66	2·46	2·34
2·12	3·36	4·32	4·63	4·49	4·08	3·72	3·43	3·39	3·21	3·02	2·84	2·81	2·70
1·52	1·90	2·09	2·41	2·59	2·35	2·08	1·88	1·61	1·38	1·27	1·21	1·19	1·40
0·58	0·53	0·90	1·09	1·50	1·72	1·67	1·44	1·17	0·93	0·82	0·92	1·04	1·09
0·00	0·09	0·71	1·21	1·66	2·04	1·44	1·48	1·27	1·08	1·00	1·11	1·16	1·49
0·22	0·29	0·62	0·79	0·89	0·77	0·54	0·15	0·04	0·03	0·04	0·08	0·25	0·58
0·00	0·07	0·55	0·89	1·26	1·49	1·31	0·74	0·48	0·35	0·31	0·39	0·52	0·99
0·00	0·32	0·95	1·46	2·25	2·39	2·66	2·14	1·91	1·63	1·52	1·51	1·66	1·89
0·26	0·71	1·34	1·97	2·43	2·37	2·26	2·15	1·91	1·68	1·60	1·53	1·55	1·97
1·50	2·77	3·38	3·42	3·20	2·86	2·61	2·59	2·40	2·18	2·03	1·92	1·88	1·97
2·37	3·61	4·25	4·41	4·17	3·61	3·05	2·88	2·72	2·46	2·27	2·01	2·03	2·22
12·97	20·32	27·25	30·80	32·79	31·58	28·23	25·21	23·08	20·76	19·38	18·67	18·96	21·13
1·08	1·69	2·27	2·57	2·73	2·63	2·35	2·10	1·92	1·73	1·61	1·55	1·58	1·76
0·61	1·22	1·80	2·10	2·27	2·17	1·90	1·64	1·46	1·27	1·15	1·09	1·12	1·30

during the three years of 1843, 1844, 1845, in Scale Divisions.

0·58	1·20	1·84	2·09	2·24	2·20	1·89	1·52	1·42	1·24	1·18	1·08	1·16	1·27
0·51	1·19	1·84	2·18	2·38	2·28	1·96	1·70	1·50	1·35	1·19	1·13	1·20	1·35
0·57	1·16	1·62	1·92	2·14	2·14	1·94	1·68	1·48	1·24	1·08	0·99	1·02	1·22
1·66	3·55	5·30	6·19	6·76	6·62	5·79	4·90	4·40	3·83	3·45	3·20	3·38	
0·56	1·19	1·78	2·07	2·25	2·20	1·92	1·63	1·47	1·28	1·15	1·06	1·12	1·28

TABLE A.

Observatory at Moulmein.—Hourly observations made during the

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
										$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000343=1'{\cdot}000343$. Declinometer No. II.
Sums	366·6	362·6	360·7	365·8	370·7	369·7	372·2	367·8	361·4	355·5
Means of 7 days.....	52·37	51·80	51·53	52·26	52·96	52·81	53·17	52·54	51·63	50·79
Diurnal changes.....	+0′·2	−0′·4	−0′·7	+0′·1	+0′·8	+0′·6	+1′·0	+0′·3	−0′·6	−1′·4
Diurnal oscillation...	1·6	1·0	0·7	1·5	2·2	2·0	2·4	1·7	0·8	0·0
Diurnal declination	19′ 21″ +2°	18·45	18′ 27″	19′ 15″	19′ 57″	19′ 45″	20′ 09″	19′ 27″	18′ 33″	17′ 45″
										$\alpha\left(1+\frac{H}{F}\right)=1'{\cdot}004\times1{\cdot}0004=1'{\cdot}0044$. Declinometer No. III.
Sums	593·3	590·1	588·9	592·2	596·4	597·9	597·9	594·9	588·9	582·9
Means of 5 days.....	118·66	118·02	117·78	118·44	119·28	119·58	119·58	118·98	117·78	116·58
Diurnal changes.....	+0′·4	−0′·3	−0′·5	+0′·1	+1′·0	+1′·3	+1′·3	+0′·7	−0′·5	−1′·7
Diurnal oscillation...	2′·3	1′·6	1′·4	2′·0	2′·9	3·2	3·2	2·6	1′·4	0′·2
Diurnal declination .	19′ 15″ +2°	18′ 33″	18′ 21″	18′ 57″	19′ 51′	20′ 09′	20′ 09″	19′ 33″	18′ 21″	17′ 09″

Observatory at Madras.—Hourly observations made during the Months of

										$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}00047=1'{\cdot}00047$. Declinometer No. I.
Sums	2713·0	2713·7	2715·9	2738·0	2777·3	2790·2	2755·7	2718·6	2678·6	2650·0
Means of 34 days ...	79·79	79·81	79·88	80·53	81·69	82·06	81·05	79·96	78·78	77·94
Diurnal changes.....	−0′·21	−0′·19	−0′·12	+0′·53	+1′·69	+2′·06	+1′·05	−0′·04	−1′·22	−2′·06
Diurnal oscillation...	1′·85	1′·87	1′·94	2′·59	3′·75	4′·12	3′·11	2′·02	0′·84	0′·00
Diurnal declination	54′ 53″ 0°	54′ 55″	54′ 59″	55′ 38″	56′ 47″	57′ 10″	56′ 09″	55′ 04″	53′ 53″	53′ 02″
										$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}00034=1'{\cdot}00034$. Declinometer No. II.
Sums	1276·1	1276·0	1280·3	1308·7	1345·0	1358·2	1333·1	1303·6	1272·1	1249·4
Means of 33 days ...	38·67	38·67	38·80	39·66	40·76	41·15	40·40	39·50	38·55	37·86
Diurnal changes ...	−0′·53	−0′·53	−0′·40	+0′·46	+1′·56	+1′·95	+1′·20	+0′·30	−0′·65	−1′·34
Diurnal oscillation...	0′·81	0′·81	0′·94	1′·80	2′·90	3′·29	2′·54	1′·64	0′·69	0′·00
Diurnal declination .	54′ 25″ 0°	54′ 25″	54′ 33″	55′ 25″	56′ 31″	56′ 54″	56′ 09″	55′ 15″	54′ 18″	53′ 37″

TABLE A.

Month of April, 1849. Latitude 16° 29′ 46″ N. Longitude 97° 45′ 30″ E.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from 14th to 21st, 53·17. $\alpha = 2°\ 20'\ 09''$ East.												
	355·6	358·1	363·0	368·8	371·7	371·4	368·6	365·5	364·9	6940·6	365·2	
	50·80	51·16	51·86	52·69	53·10	53·06	52·66	52·21	52·13	991·53	52·18	2° 19′ 09″
	−1′·4	−1′·0	−0′·3	+0′·5	+0′·9	+0′·9	+0′·5	0′·0	−0′·1			
	0·0	0·4	1·1	1·9	2·3	2·3	1·9	1·4	1·3			
	17′ 45″	18′ 09″	18′ 51″	19′ 39″	20′ 03″	20′ 03″	19′ 39″	19′ 09″	19′ 03″			
Zero from 16th to 21st, 119·58. $\alpha = 2°\ 20'\ 19''$ East.												
	582·2	584·5	589·5	595·5	598·4	596·6	592·8	589·9	588·9	11241·7	591·7	
	116·44	116·90	117·90	119·10	119·68	119·32	118·56	117·98	117·78	2248·34	118·32	2° 18′ 51″
	−1′·9	−1′·4	−0′·4	+0′·8	+1′·4	+1′·0	+0′·3	−0′·3	−0′·5			
	0·0	0′·5	1′·5	2′·7	3·3	2′·9	2′·2	1′·6	1′·4			
	16′ 47″	17′ 27″	18′ 27″	19′ 39″	20′ 15″	19′ 51″	19′ 09″	18′ 33″	18′ 21″			

August and September, 1849. Latitude 13° 04′ 09″ N. Longitude 80° 16′ 00″ E.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from August 22nd to September 29th, 81·05. $\alpha = 0°\ 56'\ 09''$ East.												
	2653·4	2682·8	2712·9	2742·4	2745·1	2733·9	2725·2	2718·8	2716·6	51682·1	2719·9	
	78·04	78·91	79·79	80·66	80·74	80·41	80·15	79·86	79·90	1520·05	80·00	0° 55′ 96″
	−1′·96	−1′·09	−0′·21	+0′·16	+0′·74	+0′·41	+0′·15	−0′·04	−0′·10			
	0′·10	0′·97	1′·85	2′·72	2′·80	2′·47	2′·21	2′·02	1′·96			
	53′ 08″	53′ 07″	54′ 53″	55′ 46″	55′ 50″	55′ 31″	55′ 15″	55′ 04″	55′ 00″			
Zero from August 22nd to September 29th, 40·40. $\alpha = 0°\ 56'\ 09''$ East.												
	1254·2	1278·7	1304·8	1319·8	1312·3	1293·6	1282·4	1271·4	1266·9	24586·6	1294·2	
	38·01	38·75	39·54	39·99	39·77	39·20	38·86	38·53	38·39	745·06	39·20	
	−1′·09	−0′·45	+0′·34	+0′·79	+0′·57	0′·00	−0′·34	−0′·67	−0′·81			
	0′·25	0′·89	1′·68	2′·13	1′·91	1′·34	1′·00	0′·67	0′·53			
	53′ 52″	54′ 30″	55′ 17″	55′ 44″	55′ 31″	54′ 57″	54′ 37″	54′ 17″	54′ 08″			

TABLE A.

Observatory at Madras.—Hourly observations made during the Months of August

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
					$\alpha\left(1+\frac{H}{F}\right)=1'{\cdot}0047\times1{\cdot}0004=1'{\cdot}0051$. Declinometer No. III.					
Sums	351·8	355·0	356·5	384·0	431·8	437·3	400·0	354·9	314·1	285·5
Means of 33 days ...	10·66	10·76	10·80	11·64	13·08	13·25	12·12	10·75	9·52	8·65
Diurnal changes ...	−0′·01	+0′·09	+0′·13	+0′·97	+2′·41	+2′·58	+1′·45	+0′·08	−1′·15	−2′·02
Diurnal oscillation...	2′·01	2′·11	2′·15	2′·99	4′·43	4′·60	3′·47	2′·10	0′·87	0′·00
Diurnal declination .	54′ 41″ 0°	54′ 47″	54′ 50″	55′ 40″	55′ 11″	57′ 17″	56′ 09″	54′ 47″	53′ 33″	52′ 41″

Observatory at Car Nicobar.—Hourly observations made during the

					$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}00047=1'{\cdot}00047$. Declinometer No. I.					
Sums	426·7	425·5	422·9	419·2	418·3	420·4	428·4	435·2	438·9	439·6
Means of 5 days ...	85·34	85·10	84·58	83·84	83·66	84·08	85·68	87·04	87·78	87·92
Diurnal changes.....	−1′·00	−1′·24	−1′·76	−2′·50	−2′·68	−2′·26	−0′·66	+0′·70	+1′·44	+1′·58
Diurnal oscillation...	1′·68	1′·44	0′·92	0′·18	0′·00	0′·42	2′·02	3′·38	4′·12	4′·26
Diurnal declination .	51′ 39″ +1°	51′ 25″	50′ 53″	49′ 09″	49′ 58″	50′ 23″	51′ 59″	53′ 21″	54′ 07″	54′ 14″
					$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}00034=1'{\cdot}00034$. Declinometer No. II.					
Sums	250·0	249·0	247·2	243·2	242·8	244·7	203·0	257·6	261·4	261·7
Means of 5 days ...	50·00	49·80	49·44	48·64	48·56	48·94	50·75	51·52	52·28	52·34
Diurnal changes ...	−0′·83	−1′·03	−1·39	−2′·19	−2′·27	−1′·89	−0′·08	+0′·69	+1′·45	+1′·51
Diurnal oscillation...	1′·44	1′·24	0′·88	0′·08	0′·00	0′·38	2′·19	2′·96	3′·72	3′·78
Diurnal declination .	51′ 50″ +1°	51′ 38″	51′ 16″	50′ 28″	50′ 23″	50′ 46″	52′ 35″	53 21″	54′ 07″	54′ 10″
					$\alpha\left(1+\frac{H}{F}\right)=1'{\cdot}004\times1{\cdot}0004=1'{\cdot}004$. Declinometer No. III.					
Sums	505·6	504·9	502·8	499·3	499·4	503·3	510·2	517·0	519·3	519·8
Means of 5 days ...	101·12	100·98	100·56	99·86	99·88	100·66	102·04	103·40	103·86	103·96
Diurnal changes ...	−1′·20	−1′·34	−1′·76	−2′·46	−2′·44	−1′·66	−0′·28	+1′·08	+1′·54	+1′·64
Diurnal oscillation...	1′·26	1′·12	0′·70	0′·00	0′·02	0′·80	2′·18	3′·54	4′·00	4′·10
Diurnal declination .	51′ 04″ +1°	50′ 56″	50′ 31″	49′ 49″	49′ 50″	50′ 37″	51′ 59″	53′ 21″	53′ 47″	53′ 55″

TABLE A.

and September, 1849. Latitude 13° 04′ 09″ N. Longitude 80° 16′ 00″ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from August 22nd to September 29th, 12·12. $\alpha = 0°56'09''$ East.											
287·2	308·4	341·0	364·3	365·5	346·8	338·8	333·2	332·7	6688·8	351·9	
8·70	9·35	10·33	11·04	11·08	10·51	10·27	10·10	10·08	202·69	10·67	
−1′·97	−1′·32	−0′·34	+0′·37	+0′·41	−0′·16	−0′·40	−0′·57	−0′·59			
0′·05	0′·70	1′·68	2′·39	2′·43	1′·86	1′·62	1′·45	1′·43			
52′ 44″	53′ 23″	54′ 22″	55′ 04″	55′ 07″	54′ 32″	54′ 18″	54′ 08″	54′ 07″			

Month of February 1849. Latitude 9° 10′ 12″ N. Longitude 92° 48′ 23″ N.

Zero from 6th to 10th of February, 87·04. $\alpha = 1°53'21''·2$ East.											
440·9	442·0	440·2	438·3	436·1	432·2	433·6	432·8	432·0	8203·2	431·7	
88·18	88·40	88·04	87·66	87·22	86·44	86·72	86·56	86·40	1640·64	86·34	1° 52′ 39″
+1′·84	+2′·06	+1′·70	+1′·32	+0′·88	+0′·10	+0′·38	+0′·22	+0′·06			
4′·52	4′·74	4′·38	4′·00	3′·56	2′·78	3′·06	2′·90	2′·74			
54′ 29″	54′ 43″	54′ 21″	53′ 58″	53′ 31″	52′ 45″	53′ 02″	52′ 52″	52′ 43″			
Zero from February 6th to 10th, 51·52. $\alpha = 1°53'21''$ East.											
262·7	263·3	261·3	259·0	256·8	252·4	254·3	254·0	253·4	4777·8	254·1	
52·54	52·66	52·26	51·80	51·36	50·48	50·86	50·80	50·68	965·71	50 83	1° 52′ 40″
+1′·71	+1′·83	+1′·43	+0′·97	+0′·53	−0′·35	+0′·03	−0′·03	−0′·15			
3′·98	4′·10	3′·70	3′·24	2′·80	1′·92	2′·30	2′·24	2′·12			
54′ 22″	54′ 29″	54′ 05″	53′ 38″	53′ 11″	51′ 19″	52′ 41″	52′ 38″	52′ 31″			
Zero from February 6th to 10th, 103·40. $\alpha = 1°53'21''$ East.											
520·4	520·4	519·1	516·8	514·6	408·9	410·1	409·8	409·4	9311·1	511·3	
104·08	104·08	103·82	103·36	102·92	102·23	102·53	102·45	102·35	1944·14	102·32	1° 52′ 16″
+1′·76	+1′·76	+1′·50	+1′·04	+0′·60	−0′·09	+0′·21	+0′·13	+0′·03			
4′·22	4′·22	3′·96	3′·50	3′·06	2′·37	2′·67	2′·59	2′·49			
54′ 03″	54′ 02″	53′ 46″	53′ 19″	52′ 52″	52′ 11″	52′ 29″	52′ 24″	52′ 18″			

TABLE A.

Observatory at Samboangan.—Hourly observations made during the

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000204+1'{\cdot}000204$. Declinometer No. I.				
Sums	527·0	527·3	527·5	530·4	532·4	528·6	521·0	514·0	512·8	508·9
Means of 6 days ...	87·83	87·88	87·92	88·40	88·73	88·10	86·83	85·67	85·47	84·82
Diurnal changes ...	+1'·15	+1'·20	+1'·24	+1'·72	+2'·05	+1'·42	+0'·15	−1'·01	−1'·21	−1'·86
Diurnal oscillation...	3'·01	3'·06	3'·10	3'·58	3'·91	3'·28	2·01	0'·85	0'·65	0'·00
Diurnal declination .	17' 34'' +1°	17' 37''	17' 39''	18' 08''	18' 28''	17' 50''	16' 34''	15' 24''	15' 12''	14' 33''
						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000250=1'{\cdot}00025$. Declinometer No. II.				
Sums	316·3	316·6	316·4	319·5	318·4	259·2	256·4	303·4	303·5	297·0
Means of 6 days ...	52·72	52·77	52·73	53·25	53·07	51·84	51·28	50·57	50·58	49·50
Diurnal changes ...	+1'·28	+1'·33	+1'·29	+1'·81	+1'·63	+0'·40	−0'·16	−0'·87	−0'·86	−1'·94
Diurnal oscillation...	3'·22	3'·27	3'·23	3'·75	3'·57	2'·34	1'·78	1'·07	1'·08	0'·00
Diurnal declination .	17' 33'' +1°	17' 36''	17' 34''	18' 05''	17' 54''	16' 40''	16' 07''	15' 24''	15' 25''	14' 20''

Observatory at Penang.—Hourly observations made during the

						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}00047=1'{\cdot}00047$. Declinometer No. I.				
Sums	434·1	434·0	432·2	427·3	424·0	427·5	435·7	444·0	443·9	448·5
Means of 5 days ...	86·82	86·80	86·44	85·46	84·80	85·50	87·14	88·80	88·78	89·70
Diurnal changes ...	−0'·76	−0'·78	−1'·14	−2'·12	−2'·78	−2'·08	−0'·44	+1'·22	+1'·20	+2'·12
Diurnal oscillation...	2'·02	2'·00	1'·64	0'·66	0'·00	0'·70	2'·34	4'·00	3'·98	4'·90
Diurnal declination .	47' 47'' +1°	47' 46''	47' 24''	46' 25''	45' 46''	46' 28''	48' 06''	49' 46''	49' 44''	50' 40''
						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}00034=1'{\cdot}00034$. Declinometer No. II.				
Sums	258·6	258·7	256·7	251·7	247·3	250·7	258·9	264·0	262·8	268·5
Means of 5 days ...	51·72	51·74	51·34	50·34	49·46	50·14	51·78	52·80	52·56	53·70
Diurnal changes ...	−0'·16	−0'·14	−0'·54	−1'·54	−2'·42	−1'·74	−0'·10	+0'·92	+0'·68	+1'·82
Diurnal oscillation...	2'·26	2'·28	1'·88	0'·88	0'·00	0'·68	2'·32	3'·34	3'·10	4'·24
Diurnal declination .	48' 02'' +1°	48' 04''	47' 40''	46' 40''	45' 47''	46' 28''	48' 06''	49' 07''	48' 53''	50' 00''

TABLE A.

Month of May, 1848. Latitude 6° 54′ 20″ N. Longitude 122° 13′ 45″ E.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from 25th to 31st, 85·67. $\alpha = 1° 15′ 24″$ East.											
509·9	511·2	512·3	516·3	520·3	520·9	521·4	520·1	519·5	9881·8	520·1	
84·98	85·20	85·38	86·05	86·72	86·82	86·90	86·68	86·58	1646·96	86·68	1° 16′ 25″
−1′·70	−1′·48	−1′·30	−0′·63	+0′·04	+0′·14	+0′·22	0′·00	−0′·10			
0′·16	0′·38	0′·56	1′·23	1′·90	2′·00	2′·08	1′·86	1′·76			
14′ 43″	14′ 56″	14′ 07″	15′ 47″	16′ 27″	16′ 33″	16′ 38″	16′ 25″	16′ 19″			
Zero from 25th to 31st, 50·57. $\alpha = 1° 15′ 24″$ East.											
297·9	300·9	301·6	306·6	310·0	310·0	309·9	308·7	308·9	5761·2	308·6	
49·65	50·15	50·27	51·10	51·67	51·67	51·65	51·45	51·48	977·40	51·44	1° 16′ 16″
−1′·79	−1′·29	−1′·17	−0′·34	+0′·23	+0′·23	+0′·21	+0′·01	+0′·04			
0′·15	0′·65	0′·77	1′·60	2′·17	2′·17	2′·15	1′·95	1′·98			
14′ 29″	14′ 59″	15′ 06″	15′ 56″	16′ 30″	16′ 30″	16′ 29″	16′ 17″	16′ 19″			

Month of January, 1849. Latitude 5° 25′ 36″ N. Longitude 100° 24′ 38″ E.

Zero from the 22nd to the 26th, 78·14. $\alpha = 1° 48′ 06″$.											
448·3	446·7	444·9	443·1	438·5	436·0	437·1	437·6	436·9	8320·3	437·8	
89·66	89·34	88·98	88·62	87·70	87·20	87·42	87·52	87·38	1664·06	87·58	1° 48′ 32″
+2′·08	+1′·76	+1′·40	+1′·04	+0′·12	−0′·38	−0′·16	−0′·06	−0′·20			
4′·86	4′·54	4′·18	3′·82	2′·90	2′·40	2′·62	2′·72	2′·58			
50′ 37″	50′ 18″	49′ 56″	49′ 35″	48′ 40″	48′ 10″	48′ 24″	48′ 29″	48′ 20″			
Zero from the 22nd to the 26th, 51·78. $\alpha = 1° 48′ 06″$.											
268·1	266·4	264·5	262·4	258·3	253·5	256·7	256·5	255·6	4919·9	259·0	
53·62	53·28	52·90	52·48	51·66	50·70	51·34	51·30	51·12	983·98	51·88	
+1′·74	+1′·40	+1′·02	+0′·60	−0′·22	−1′·18	−0′·54	−0′·58	−0′·76			
4′·16	3′·82	3′·44	3′·02	2′·20	1′·24	1′·88	1′·84	1′·66			
49′ 56″	49′ 36″	49′ 13″	48′ 48″	47′ 59″	47′ 01″	47′ 40″	47′ 37″	47′ 26″			

TABLE A.

Observatory at Penang.—Hourly observations made during the

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
$\alpha\left(1+\frac{H}{F}\right)=1'{\cdot}004\times1{\cdot}0004=1'{\cdot}004$. Declinometer No. III.										
Sums	516·2	517·3	514·5	508·7	506·5	509·2	518·8	524·6	527·3	532·9
Means of 5 days ...	103·24	103·46	102·90	101·74	101·30	101·84	103·76	104·92	105·46	106·58
Diurnal changes ...	−1′·23	−1′·01	−1′·57	−2′·73	−3′·17	−2′·63	−0′·71	+0′·45	+0′·99	+2′·11
Diurnal oscillation...	1′·94	2′·16	1′·60	0′·44	0′·00	0′·54	2′·46	3′·62	4′·16	5′·28
Diurnal declination .	47′ 35″ +1°	47′ 48″	47′ 14″	46′ 05″	45′ 38″	46′ 11″	48′ 06″	49′ 16″	49′ 48″	50′ 55″

Observatory at Pulo Dinding.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}0005=1'{\cdot}0005$. Declinometer No. I.										
Sums	266·7	265·7	264·8	262·8	257·6	255·6	260·2	268·2	272·6	276·1
Means of 3 days ...	88·90	88·57	88·27	87·60	85·87	85·20	86·73	89·40	90·87	92·03
Diurnal changes.....	−0′·82	−1′·15	−1′·45	−2′·12	−3′·85	−4′·52	−2′·99	−0′·32	+1′·15	+2′·31
Diurnal oscillation...	3′·70	3′·37	3′·07	2′·40	0′·67	0′·00	1′·53	4′·20	5′·67	6′·83
Diurnal declination .	48′ 04″ +1°	47′ 44″	47′ 26″	46′ 46′	45′ 02″	44′ 22″	45′ 54″	48′ 34″	50′ 02″	51′ 12″
$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000445=1'{\cdot}000445$. Declinometer No. II.										
Sums	140·4	139·0	138·2	135·8	130·6	128·2	133·3	141·6	145·7	147·5
Means of 3 days ...	46·80	46·33	46·07	45·27	43·53	42·73	44·43	47·20	48·57	49·17
Diurnal changes ...	−0·48	−0′·95	−1′·21	−2′·01	−3′·75	−4′·55	−2′·85	−0′·08	+1′·29	+1′·89
Diurnal oscillation...	4′·07	3′·60	3′·34	2′·54	0′·80	0′·00	1′·70	4′·47	5′·84	6′·44
Diurnal declination .	48′ 10″ +1°	47′ 42″	47′ 26″	46′ 38″	44′ 54″	44′ 06″	45′ 48″	48′ 34″	49′ 56″	50′ 32″
$\alpha\left(1+\frac{H}{F}\right)=1'{\cdot}004\times1{\cdot}0006=1'{\cdot}0046$. Declinometer No. III.										
Sums	301·8	301·2	300·6	297·6	293·4	292·6	298·1	306·7	311·1	314·0
Means of 3 days ...	100·60	100·40	100·20	99·20	97·80	97·53	99·37	102·23	103·70	104·67
Diurnal changes ...	−1′·31	−1′·51	−1′·71	−2′·71	−4′·11	−4′·38	−2′·54	+0′·32	+1′·79	+2′·76
Diurnal oscillation...	3′·07	2′·87	2′·67	1′·67	0′·27	0′·00	1′·84	4′·70	6′·17	7′·14
Diurnal declination .	46′ 56″ +1°	46′ 44″	46′ 32″	45′ 32″	44′ 08″	43′ 52″	45′ 42″	48′ 34″	50′ 02″	51′ 00″

TABLE A.

Month of May, 1848. Latitude 6° 54′ 20″ N. Longitude 122° 13′ 45″ E.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 22nd to the 26th, 103·76. $\alpha = 1° 48′ 06″$.											
534·6	531·7	530·6	529·1	525·8	523·7	524·6	525·1	523·5	9924·7	522·3	
106·92	106·34	106·12	105·82	105·16	104·74	104·92	105·02	104·70	1984·94	104·47	
+2′·45	+1′·87	+1′·65	+1′·35	+0′·69	+0′·27	+0′·45	+0′·55	+0′·23			
5′·62	5′·04	4′·82	4′·52	3′·86	3′·44	3′·62	3′·72	3′·40			
51′ 16″	50′ 41″	50′ 28″	50′ 10″	49′ 30″	49′ 05″	49′ 16″	49′ 22″	49′ 02″			

Month of January, 1849. Latitude 4° 12′ 48″ N. Longitude 100° 32′ 52″ E.

Zero from the 11th to the 13th, 89·4. $\alpha = 1° 48′ 34″$.											
277·3	278·0	277·8	275·5	273·0	271·0	271·5	270·4	269·4	5114·2	269·2	
92·43	92·67	92·60	91·83	91·00	90·33	90·50	90·13	89·80	1704·73	39·72	1° 48′ 53″
+2′·71	+2′·95	+2′·88	+2′·11	+1′·28	+0′·61	+0′·78	+0′·41	+0′·08			
7′·23	7′·47	7′·40	6′·63	5′·80	5′·13	5′·30	4′·93	4′·60			
51′ 36″	51′ 50″	51′ 46″	51′ 00″	50′ 10″	49′ 30″	49′ 40″	49′ 18″	48′ 58″			
Zero from the 11th to the 13th, 47·20. $\alpha = 1° 48′ 34″$.											
148·7	150·4	150·5	148·6	146·0	143·4	143·8	142·1	141·3	2695·1	141·8	
49·57	50·13	50·17	49·53	48·67	48·70	47·93	47·37	47·10	898·37	47·28	
+2′·29	+2′·85	+2′·89	+2′·25	+1′·39	+0′·52	+0′·65	+0′·09	−0′·18			
6′·84	7′·40	7′·44	6′·80	5′·94	5′·07	5′·20	4′·64	4′·37			
50′ 56″	51′ 30″	51′ 32″	50′ 54″	50′ 02″	49′ 10″	49′ 18″	48′ 44″	48′ 28″			
Zero from the 11th to the 13th, 102·23. $\alpha = 1° 48′ 34″$.											
315·8	316·5	315·8	312·7	309·4	306·2	306·3	305·0	304·0	5808·8	305·7	
105·27	105·50	105·27	104·23	103·13	102·07	102·10	101·67	101·33	1936·27	101·91	
+3′·36	+3′·59	+3′·36	+2′·32	+1′·22	+0′·16	+0′·19	−0′·24	−0′·58			
7′·74	7′·97	7′·74	6′·70	5′·60	4′·54	4′·57	4′·14	3′·80			
51′ 36″	52′ 02″	51′ 36″	50′ 34″	49′ 28″	48′ 24″	48′ 26″	48′ 00″	47′ 40″			

TABLE A.

Observatory at Sarawak.—Hourly observations made during the

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
						$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000158=1'{\cdot}000158$. Declinometer No. I.							
Sums	2229·2	2234·8	2240·6	2245·4	2246·4	2251·4	2264·4	2283·1	2269·0	2243·8	2223·3	2209·7	2200·9
Means of 26 days ...	85·74	85·95	86·18	86·36	86·40	86·59	87·09	87·81	87·27	86·30	85·51	84·99	84·65
Diurnal changes ...	−0′·03	+0′·18	+0′·41	+0′·59	+0′·63	+0′·82	+1′·32	+2′·04	+1′·50	+0′·53	−0′·26	−0′·78	−1′·12
Diurnal oscillation...	1′·17	1′·38	1′·61	1′·79	1′·83	2′·02	2′·52	3′·24	2′·70	1′·73	0′·96	0′·42	0′·08
Diurnal declination .	09′ 06″ +1°	09′ 19″	09′ 33″	09′ 44″	09′ 46″	09′ 57″	10′ 27″	11′ 11″	10′ 38″	09′ 40″	08′ 53″	08′ 21″	08′ 01″
						$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.							
Sums	1364·1	1369·1	1374·1	1377·0	1377·0	1380·7	1393·0	1411·1	1395·8	1373·4	1358·0	1351·8	1295·6
Means of 26 days ...	52·47	52·66	52·85	52·96	52·96	53·10	53·58	54·27	53·68	52·82	52·23	51·99	51·82
Diurnal changes ...	−0′·28	−0′·09	+0′·10	+0′·21	+0′·21	+0′·35	+0′·83	+1′·52	+0′·93	+0′·07	−0′·52	−0′·76	−0′·93
Diurnal oscillation .	0′·65	0′·84	1′·03	1′·14	1′·14	1′·28	1′·76	2′·45	1′·86	1′·00	0′·41	0′·17	0′·00
Diurnal declination .	09′ 19″ +1°	09′ 30″	09′ 42″	09′ 48″	09′ 48″	09′ 57′	10′ 26″	11′ 07″	10′ 32″	09′ 40″	09′ 05″	08′ 50″	08′ 40″

Hourly observations made during

						$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000158=1'{\cdot}000158$. Declinometer No. I.							
Sums	2342·0	2345·6	2353·9	2358·7	2364·4	2368·3	2381·6	2399·3	2384·0	2358·9	2340·6	2328·1	2322·4
Means of 27 days ...	86·74	86·87	87·18	87·36	87·57	87·71	88·21	88·86	88·30	87·37	86·69	86·23	86·02
Diurnal changes.....	−0′·20	−0′·07	+0′·24	+0′·42	+0′·63	+0′·77	+1′·27	+1′·92	+1′·36	+0′·43	−0′·25	−0′·71	−0′·92
Diurnal oscillation...	0′·80	0′·93	1′·24	1′·42	1′·63	1′·77	2′·27	2′·92	2′·36	1′·43	0′·75	0′·29	0′·08
Diurnal declination .	09′ 02′ +1°	09′ 10″	09′ 29″	09′ 39″	09′ 52″	10′ 00″	10′ 30″	11′ 09″	10′ 36″	09′ 40″	09′ 59″	09′ 32″	08′ 19″
						$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.							
Sums	1425·1	1426·0	1450·9	1434·7	1436·2	1435·6	1442·6	1455·7	1387·4	1416·8	1400·0	1399·1	1395·4
Means of 25 days ...	57·00	57·04	58·04	57·39	57·45	57·42	57·70	58·23	57·81	56·67	56·00	55·96	55·82
Diurnal changes.....	−0′·07	−0′·03	+0′·97	+0′·32	+0′·38	+0′·35	+0′·63	+1′·16	+0′·74	−0′·40	−1′·07	−1′·11	−1′·25
Diurnal oscillation...	1′·19	1′·23	2′·23	1′·58	1′·64	1′·61	1′·89	2′·42	2′·00	0′·86	0′·19	0′·15	0′·01
Diurnal declination .	9′ 00″ +1°	10′ 02″	11′ 02″	10′ 23″	10′ 27″	10′ 25″	10′ 42″	11′ 14″	10′ 48″	9′ 40″	9′ 00″	8′ 57″	8′ 49″

TABLE A.

Month of June, 1846. Latitude 1° 33′ 54″ N. Longitude 110° 29′ 00″ E.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Declin.
Zero from the 1st to the 30th, 86·30. $\alpha = 1° 09' 40''$ East.														
	2198·7	2205·9	2212·7	2221·4	2222·4	2217·2	2220·8	2217·6	2219·8	2221·4	2222·8	53522·7	2230·0	
	84·57	84·84	85·10	85·44	85·48	85·28	85·42	85 29	85·38	85·44	85·49	2058·57	85·77	1° 09′ 08″
	−1′·20	−0′·93	−0′·67	−0′·33	−0′·29	−0′·49	−0′·35	−0′·48	−0′·39	−0′·33	−0′·28			
	0′·00	0′·27	0′·53	0′·87	0′·91	0′·71	0′·85	0′·72	0′·81	0′·87	0′·92			
	07′ 56″	09′ 12″	08′ 28″	08′ 48″	08′ 51″	08′ 39″	08′ 47″	08′ 39″	08′ 45″	08′ 48″	08′ 51″			
Zero from the 1st to the 30th, 52·82. $\alpha = 1° 09' 40''$ East.														
	1299·4	1363·7	1371·6	1326·5	1382·3	1373·0	1370·2	1361·7	1363·6	1362·2	1362·1	32757·0	1371·7	
	51·98	52·45	52·75	53·06	53·17	52·81	52·70	52·37	52·45	52·39	52·39	1265·91	52·75	1° 09′ 40″
	−0′·77	−0′·30	0′·00	+0′·31	+0′·42	+0′·06	−0′·05	−0′·38	−0′·30	−0′·36	−0′·36			
	0′·16	0′·63	0′·93	1′·24	1′·35	0′·99	0′·88	0′·55	0′·63	0′·57	0′·57			
	08′ 47″	09′ 18″	08′ 36″	09′ 54″	10′ 01″	09′ 39″	09′ 33″	09′ 13″	09′ 18″	09′ 14″	09′ 14″			

the Month of July 1846.

Zero from the 1st to the 31st, 87·37. $\alpha = 1° 09' 40''$ East.														
	2320·5	2323·4	2332·1	2341·7	2349·6	2341·5	2337·6	2334·9	2334·3	2335·3	2336·4	56335·1	2347·1	
	85·94	86·05	86·37	86·73	87·02	86·72	86·58	86·48	86·46	86·49	86·53	2086·48	86·94	1° 09′ 14″
	−1′·00	−0′·89	−0′·57	−0′·21	+0′·08	−0′·22	−0′·36	−0′·46	−0′·48	−0′·45	−0′·41			
	0′·00	0′·11	0′·43	0′·79	1′·08	0′·78	0′·64	0′·54	0′·52	0′·55	0′·59			
	08′ 14″	08′ 21″	08′ 40″	09′ 02″	09′ 19″	09′ 01″	08′ 53″	08′ 47″	08′ 45″	08′ 47″	08′ 50″			
Zero from the 1st to the 31st, 56·67. $\alpha = 1° 09' 40''$ East.														
	1339·4	1404·3	1370·2	1437·0	1390·0	1437·6	1429·9	1428·0	1428·9	1425·9	1424·7	34011·4	1426·4	
	55·81	56·17	57·09	57·48	57·92	57·50	57·20	57·12	57·16	57·09	56·99	1369·61	57·07	1° 9′ 16″
	−1′·26	−0′·90	+0′·02	+0′·41	+0′·85	+0′·43	+0′·13	+0′·05	+0′·09	−0′·03	−0′·08			
	0′·00	0′·36	1′·28	1′·67	2′·11	1′·69	1′·39	1′·31	1′·35	1′·23	1′·18			
	8′ 48″	9′ 10″	10′ 05″	10′ 29″	10′ 55″	10′ 30″	10′ 12″	10′ 07″	10′ 09″	10′ 02″	9′ 59″			

TABLE A.

Observatory at Sarawak.—Hourly observations made during the

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000158=1'{\cdot}000158$. Declinometer No. I.													
Sums	1652·4	1653·2	1655·2	1659·5	1662·3	1665·8	1679·1	1699·1	1688·8	1661·8	1645·1	1632·4	1630·0
Means of 19 days	86·97	87·01	87·12	87·34	87·49	87·67	88·37	89·43	88·88	87·46	86·58	85·92	85·79
Diurnal changes	−0′·24	−0′·20	−0′·09	+0′·13	+0′·28	+0′·46	+1′·16	+2′·22	+1′·67	+0′·25	−0′·23	−1′·29	−1′·42
Diurnal oscillation	1′·18	1′·22	1′·33	1′·55	1′·70	1′·88	2′·58	3′·64	3′·09	1′·67	1′·19	0′·13	0′·00
Diurnal declination	09′ 11″ +1°	09′ 13″	09′ 20″	09′ 33″	09′ 42″	09′ 52″	10′ 34″	11′ 38″	11′ 05″	09′ 40″	09′ 11″	08′ 08″	08′ 00″
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.													
Sums	1146·5	1146·7	1149·7	1151·4	1152·8	1158·0	1171·1	1187·6	1179·2	1155·3	1143·3	1135·0	1133·5
Means of 19 days	60·34	60·35	60·51	60·60	60·67	60·95	61·64	62·51	62·06	60·81	60·17	59·74	59·66
Diurnal changes	−0′·54	−0′·53	−0′·37	−0′·28	−0′·21	+0′·07	+0′·76	+1′·63	+1′·18	−0′·07	−0′·71	−1′·14	−1′·22
Diurnal oscillation	0′·68	0′·69	0′·85	0′·94	1′·01	1′·29	1′·98	2′·85	2′·40	1′·15	0′·51	0′·08	0′·00
Diurnal declination	09′ 12″ +1°	09′ 12″	09′ 22″	09′ 27″	09′ 32″	09′ 48″	10′ 30″	11′ 22″	10′ 55″	09′ 40″	10′ 02″	08′ 36″	08′ 31″

Observatory at Keemah.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000278=1'{\cdot}000278$. Declinometer No. I.													
Sums	.....	.....	.....	839·6	838·1	840·1	840·3	852·6	761·2	831·6	820·3	730·1	645·6
Means of 10 days	.....	.....	.....	83·96	83·81	84·01	84·03	85·26	84·58	83·16	82·03	81·12	80·70
Diurnal changes	.....	.....	.....	+0′·98	+0′·83	+1′·03	+1′·05	+2′·28	+1′·60	+0′·18	−0′·95	−1′·86	−2′·28
Diurnal oscillation	.....	.....	.....	3′·26	3′·11	3′·31	3′·33	4′·56	3′·88	2′·46	1′·33	0′·42	0′·00
Diurnal declination	.....	.....	.....	40′ 35″ +1	40′ 26″	40′ 38″	40′ 39″	41′ 53″	41′ 12″	39′ 47″	38′ 39″	37′ 45″	37′ 19″
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000222=1'{\cdot}000222$. Declinometer No. II.													
Sums	.....	.....	.....	520·3	518·0	520·4	522·4	528·2	471·7	512·2	504·5	451·2	450·2
Means of 10 days	.....	.....	.....	52·03	51·80	52·04	52·24	52·82	52·41	51·22	50·45	50·13	50·02
Diurnal changes	.....	.....	.....	+0′·56	+0′·33	+0′·57	+0′·77	+1′·35	+0′·94	−0′·25	−1′·02	−1′·34	−1′·45
Diurnal oscillation	.....	.....	.....	2′·01	1′·78	2′·02	2′·22	2′·80	2′·39	1′·20	0′·43	0′·11	0′·00
Diurnal declination	.....	.....	.....	40′ 36″ +1°	40′ 22″	40′ 36″	40′ 48″	41′ 23″	40′ 58″	39′ 47″	39′ 01″	38′ 42″	38′ 35″

TABLE A.

Month of August, 1846. Latitude 1° 33′ 54″ N. Longitude 110° 29′ 00″ E.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Declin.
Zero from the 1st to the 22nd, 87·46. α=1° 09′ 40″ East.														
	1634·3	1642·4	1649·4	1661·7	1665·3	1657·7	1569·7	1567·0	1569·7	1567·2	1564·8	39333·9	1657·0	
	86·02	86·44	86·81	87·46	87·65	87·25	87·21	87·06	87·21	87·07	86·93	2087·87	87·21	1° 09′ 25″
	−1′·19	−0′·77	−0′·40	+0′·25	+0′·44	+0′·04	0′·00	−0′·15	0′·00	−0′·14	0′·28			
	0′·23	0′·65	1′·02	1′·67	1′·86	1′·46	1′·42	1′·27	1′·42	1′·28	1′·14			
	08′ 14″	08′ 39″	09′ 01″	09′ 40″	09′ 51″	09′ 27″	09′ 25″	09′ 16″	09′ 25″	09′ 17″	09′ 08″			
Zero from the 1st to the 22nd, 60·81. α=1° 09′ 40″ East.														
	1141·5	1153·1	1162·1	1176·5	1179·3	1169·0	1098·2	1092·9	1094·7	1090·6	1087·3	27455·3	1157·0	
	60·08	60·69	61·16	61·92	62·07	61·53	61·01	60·72	60·82	60·59	60·41	1462·59	60·88	1° 09′ 44″
	−0′·80	−0′·19	+0′·28	+1′·14	+1′·19	+0′·65	+0′·13	−0′·16	−0′·06	−0′·29	−0′·47			
	0′·42	1′·03	1′·50	2′·36	2′·41	1′·87	1′·35	1′·06	1′·16	0′·93	0′·75			
	08′ 56″	09′ 33″	10′ 01″	10′ 53″	10′ 56″	10′ 23″	09′ 52″	09′ 35″	09′ 41″	09′ 27″	09′ 16″			

Month of June, 1848. Latitude 1° 21′ 55″ N. Longitude 125° 07′ 59″ E.

Zero from the 21st of June to July 1st, 83·16. α=1° 39′ 47″ East.														
	731·1	738·1	824·4	828·2	829·3	829·2	830·6	829·4	828·6	.....	.....	15268·4	830·0	
	81·23	82·01	82·44	82·82	82·93	82·92	83·06	82·94	82·86	.....	.....	1575·87	82·98	1° 39′ 36″
	−1′·75	−0′·97	−0′·54	−0′·16	−0′·05	−0′·06	+0′·08	−0′·04	−0′·12	.....	.....			
	0′·53	1′·31	1′·74	2′·12	2′·23	2′·22	2′·36	2′·24	2′·16	.....	.....			
	37′ 51″	38′ 38″	39′ 04″	39′ 27″	39′ 33″	39′ 33″	39′ 41″	39′ 34″	39′ 29″	.....	.....			
Zero from the 21st of June to July 1st, 51·22. α=1° 39′ 47″ East.														
	507·2	512·1	514·8	517·1	517·7	516·1	515·6	514·6	511·5	.....	.....	9625·8	514·6	
	50·72	51·21	51·48	51·71	51·77	51·61	51·56	51·46	51·15	.....	.....	977·83	51·47	1° 40′ 02″
	−0′·75	−0′·26	+0′·01	+0′·24	+0′·30	+0′·14	+0′·09	−0′·01	−0′·32	.....	.....			
	0′·70	1′·19	1′·46	1′·69	1′·75	1′·59	1′·54	1′·44	1′·13	.....	.....			
	38′ 17″	39′ 46″	40′ 03″	40′ 16″	40′ 20″	40′ 10″	40′ 07″	40′ 01″	39′ 43″	.....	.....			

TABLE A.

Observatory at Keemah.—Hourly observations made during the Month of

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
					$\alpha\left(1+\right)=1'{\cdot}004\times1{\cdot}000306=1'{\cdot}0043$. Declinometer No. III.					
Sums	1028·1	1026·4	1028·0	1028·6	1037·0	927·0	1020·0	1013·1	910·2	910·7
Means of 10 days ...	102·81	102·64	102·80	102·86	103·70	103·00	102·00	101·31	101·13	101·19
Diurnal changes ...	+0′·16	−0′·01	+0′·15	+0′·21	+1′·05	+0′·35	−0′·65	−1′·34	−1′·52	−1′·46
Diurnal oscillation...	1′·68	1′·51	1′·67	1′·73	2′·57	1′·87	0′·87	0′·18	0′·00	0′·06
Diurnal declination .	40′ 36″ +1°	40′ 25″	40′ 35″	40′ 39″	41′ 29″	40′ 47″	39′ 47″	39′ 06″	38′ 55″	38′ 58″

Observatory at Pulo Peesang.—Hourly observations made during the

					$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000158=1'{\cdot}000158$. Declinometer No. I.					
Sums	.....	78·9	151·9	185·8	179·8	180·8	185·4	187·4	193·6	200·4
Means of 5 days ...	.....	39·45	37·47	37·16	35·96	36·16	37·08	37·48	38·72	40·08
Diurnal changes ...	.....	+0′·85	−1′·13	−1′·44	−2′·64	−2′·44	−1′·52	−1′·12	+0′·12	+1′·48
Diurnal oscillation...	.....	3′·29	1′·51	1′·00	0′·20	0′·00	0′·92	1′·32	2′·56	3′·92
Diurnal declination .	.....	33′ 29″ +1°	31′ 46″	31′ 12″	30′ 24″	30′ 12″	31′ 07″	31′ 31″	32′ 45″	34′ 07″
					$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.					
Sums	.....	87·0	177·0	217·8	212·5	213·4	217·6	218·8	221·3	224·7
Means of 5 days ...	.....	43·50	44·25	43·56	42·50	42·68	43·52	43·76	44·26	44·94
Diurnal changes ...	.....	−0′·72	+0′·03	−0′·66	−1′·72	−1′·54	−0′·70	−0′·46	+0′·04	+0′·74
Diurnal oscillation...	.....	1′·00	1′·75	1′·06	0′·00	0′·18	1′·02	1′·26	1′·76	2′·46
Diurnal declination .	.....	31′ 08″ +1°	31′ 51″	31′ 09″	30′ 06″	30′ 17″	31′ 07″	31′ 21″	31′ 51″	32′ 33″

Observatory at Singapore.—Hourly observations made during the

					$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000315=1'{\cdot}000305$. Declinometer No. I.					
Sums	223·1	216·8	210·2	197·0	185·8	187·3	200·6	220·3	241·2	253·6
Means of 16 days ...	13·94	13·55	13·14	12·31	11·61	11·71	12·54	13·77	15·08	15·85
Diurnal changes ...	−0′·57	−0′·92	−1′·33	−2′·16	−2′·86	−2′·76	−1′·93	−0′·70	+0′·61	+1′·38
Diurnal oscillation...	2′·33	1′·94	1′·53	0′·70	0′·00	0′·10	0′·93	2′·16	3′·47	4′·24
Diurnal declination .	36′ 53″ +1°	36′ 30″	36′ 05″	35′ 15″	34′ 33″	34′ 39″	35′ 29″	36′ 43″	38′ 01″	38′ 48″

TABLE A.

June and July, 1848. Latitude 1° 21′ 55″. Longitude 125° 07′ 59″ E.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 21st of June to July 1st, 102·00. α=1° 89′ 47″ East.											
1019·5	1027·1	1031·4	1034·3	1034·4	1033·0	1031·7	1028·9	1025·8	19195·2	1026·4	
101·95	102·71	103·14	103·43	103·44	103·30	103·17	102·89	102·58	1950·05	102·65	1° 40′ 26″
−0′·70	+0′·06	+0′·49	+0′·78	+0′·79	+0′·65	+0′·52	+0′·24	−0′·07			
0′·82	1′·58	2′·01	2′·30	2′·31	2′·17	2′·04	1′·76	1′·45			
39′ 44″	40′ 30″	40′ 55″	41′ 13″	41′ 13″	41′ 05″	40′ 57″	40′ 40″	40′ 22″			

Month of January, 1846. Latitude 1° 27′ 53″ N. Longitude 103° 19′ 15″ E.

Zero from the 18th to the 22nd, 37·08. α=1° 31′ 07″ East.											
203·5	202·8	199·2	197·9	157·6	197·6	196·8	155·7	114·9	3165·0	193·1	
40·70	40·56	39·84	39·58	39·40	39·52	39·36	38·93	38·30	695·01	38·60	1° 32′ 30″
+2′·10	+1′·96	+1′·24	+0′·98	+0′·80	+0′·92	+0′·76	+0′·33	−0′·30			
4′·54	4′·40	3′·68	3′·42	3′·24	3′·36	3′·20	2′·77	2′·14			
34′ 44″	34′ 36″	33′ 53″	33′ 37″	33′ 26″	33′ 33″	33′ 24″	32′ 58″	32′ 20″			
Zero from the 18th to the 22nd. α=1° 31′ 07″ East.											
228·8	182·3	224·4	223·6	178·6	222·3	222·3	177·1	132·7	3582·2	221·0	
45·76	45·58	44·88	44·72	44·65	44·46	44·46	44·28	44·23	795·99	44·22	
+1′·54	+1′·36	+0′·66	+0′·50	+0′·43	+0′·24	+0′·24	+0′·06	+0′·01			
3′·26	3′·08	2′·38	2′·22	2′·15	1′·96	1′·96	1′·78	1′·73			
33′ 21″	33′ 11″	32′ 29″	32′ 19″	32′ 15″	32′ 03″	32′ 03″	31′ 53″	31′ 50″			

Month of November, 1848. Latitude 1° 18′ 32″ N. Longitude 103° 56′ 30″ E.

Zero from the 13th to the 30th, 12·54. α=1° 35′ 29″ East.											
269·3	266·0	266·8	255·4	245·9	245·6	243·4	239·0	232·8	4400·1	231·7	
16·83	16·63	16·68	15·96	15·37	15·35	15·21	14·94	14·55	275·02	14·47	1° 37′ 25″
+2′·36	+2′·16	+2′·21	+1′·49	+0′·90	+0′·88	+0′·74	+0′·47	+0′·08			
5′·22	5′·02	5′·07	4′·35	3′·76	3′·74	3′·60	3′·33	2′·94			
39′ 46″	39′ 34″	39′ 37″	38′ 54″	38′ 19″	38′ 18″	38′ 09″	37′ 53″	37′ 30″			

TABLE A.

Observatory at Singapore.—Hourly observations made during the Month

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
					$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000371=1'{\cdot}000371$. Declinometer No. II.					
Sums	796·8	791·7	784·1	771·9	758·6	755·0	769·8	791·1	813·2	827·3
Means of 16 days ...	49·80	49·48	49·01	48·24	47·41	47·19	48·11	49·44	50·83	51·71
Diurnal changes ...	−0′·55	−0′·87	−1′·34	−2′·11	−2′·94	−3′·16	−2′·24	−0′·91	+0′·48	+1′·36
Diurnal oscillation...	2′·61	2′·29	1′·82	1′·05	0′·22	0′·00	0′·92	2′·25	3′·64	4′·52
Diurnal declination .	37′ 10″ +1°	36′ 51″	36′ 23″	35′ 37″	34′ 49″	34′ 34″	35′ 29″	36′ 49″	38′ 12″	39′ 05″
					$\alpha\left(1+\frac{H}{F}\right)=1'{\cdot}0047\times1{\cdot}00037=1'{\cdot}004$. Declinometer No. III.					
Sums	1563·3	1557·0	1549·9	1536·4	1527·6	1526·2	1541·3	1560·8	1583·3	1594·8
Means of 16 days ...	97·71	97·31	96·87	96·03	95·48	95·39	96·33	97·55	98·96	99·68
Diurnal changes ...	−0′·54	−0′·94	−1′·38	−2′·22	−2′·77	−2′·86	−1′·92	−0′·70	+0′·71	+1′·43
Diurnal oscillation...	2′·32	1′·92	1′·48	0′·64	0′·09	0′·00	0′·94	2′·16	3′·57	4′·29
Diurnal declination .	36′ 52″ +1°	36′ 28″	36′ 01″	35′ 11″	34′ 38″	34′ 33″	35′ 29″	36′ 39″	38′ 07″	38′ 50″
					$\alpha\left(1+\frac{H}{F}\right)=1'{\cdot}0005\times1{\cdot}0003=1'{\cdot}0008$. Declinometer No IV.					
Sums	1558·4	1472·3	1463·0	1449·7	1429·3	1427·0	1439·7	1456·4	1473·8	1486·2
Means of 16 days ...	97·40	98·15	97·53	96·65	95·29	95·13	95·98	97·09	98·25	99·08
Diurnal changes ...	−0′·71	+0′·04	−0′·58	−1′·46	−2′·82	−2′·98	−2′·13	−1′·02	+0′·14	+0′·97
Diurnal oscillation .	2′·27	3′·02	2′·40	1′·52	0′·16	0′·00	0′·85	1′·96	3′·12	3′·95
Diurnal declination .	36′ 54″ +1°	37′ 39″	37′ 02″	36′ 09″	34′ 48″	34′ 38″	35′ 29″	36′ 36″	37′ 45″	38′ 35″
					$\alpha\left(1+\frac{H}{F}\right)=40''{\cdot}7\times1{\cdot}000451$. Declinometer No. V.					
Sums	660·0	655·0	647·4	626·0	617·2	608·3	635·2	661·1	685·8	708·8
Means of 16 days ...	41·25	40·94	40·46	39·13	38·58	38·02	39·70	41·32	42·86	44·30
Diurnal changes ...	−0′·74	−0′·95	−1′·28	−2′·18	−2′·56	−2′·94	−1′·80	−0′·70	+0′·35	+1′·33
Diurnal oscillation .	2′·20	1′·99	1′·66	0′·76	0′·38	0′·00	1′·14	2′·24	3′·29	4′·27
Diurnal declination .	36′ 33″ +1°	36′ 20″	36′ 00″	35′ 06″	34′ 43″	34′ 21″	35′ 29″	36′ 35″	37′ 38″	38′ 37″

TABLE A

of November, 1848. Latitude 1° 18′ 32″ N. Longitude 103° 56′ 30″ E. (*Continued.*)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 13th to the 30th, 48·11. α=1° 35′ 29″ East.												
	845·9	841·4	843·1	831·9	822·0	821·4	818·1	813·9	808·2	15305·4	805·7	
	52·87	52·59	52·69	51·99	51·38	51·34	51·13	50·87	50·51	956·59	50·35	1° 37′ 43″
	+2′·52	+2′·24	+2′·34	+1′·64	+1′·03	+0′·99	+0′·78	+0′·52	+0′·16			
	5′·68	5′·40	5′·50	4′·80	4′·19	4′·15	3′·94	3′·68	3′·32			
	40′ 15″	39′ 58″	40′ 04″	39′ 22′	38′ 45″	38′ 43″	38′ 30″	38′ 15″	37′ 53″			
Zero from the 13th to the 30th, 96·33. α=1° 35′ 29″ East.												
	1610·8	1606·9	1607·6	1596·7	1587·1	1585·2	1582·9	1577·2	1571·9	29866·9	1572·0	
	100·68	100·43	100·48	99·79	99·19	99·08	98·93	98·58	98·24	1866·71	98·25	1° 37′ 23″
	+2′·43	+2′·18	+2′·23	+1′·54	+0′·94	+0′·83	+0′·68	+0′·33	−0′·01			
	5′·29	5′·04	5′·09	4′·40	3′·80	3′·69	3′·54	3′·19	2′·85			
	39′ 50″	39′ 35″	39′ 38″	38′ 57″	38′ 21″	38′ 14″	38′ 05″	37′ 44″	37′ 24″			
Zero from the 13th to the 30th, 95·98. α=1° 35′ 29″ East.												
	1502·6	1600·0	1603·2	1592·6	1585·4	1585·4	1576·4	1570·6	1563·3	28844·3	1569·7	
	100·17	100·00	100·20	99·54	99·09	99·09	98·53	98·21	97·71	1863·61	98·11	1° 37′ 37″
	+2′·06	+1′·89	+2′·09	+1′·43	+0′·98	+0′·98	+0′·42	+0′·10	−0′·40			
	5′·04	4′·87	5′·07	4′·41	3′·96	3′·96	3′·40	3′·00	2′·58			
	39′ 40″	39′ 30″	39′ 42″	39′ 03″	38′ 36″	38′ 36″	38′ 02″	37′ 38″	37′ 13″			
Zero from the 13th to the 30th, 39·70. α=1° 35′ 29″ East.												
	733·3	725·6	724·9	716·2	699·6	699·7	695·8	688·5	682·2	12870·6	677·3	
	45·83	45·35	45·31	44·76	43·73	43·73	43·49	43·03	42·64	804·43	42·34	1° 37′ 17″
	+2′·37	+2′·05	+2′·02	+1′·65	+0′·94	+0′·95	+0′·78	+0′·47	+0′·20			
	5′·31	4′·99	4′·96	4′·59	3′·88	3′·89	3′·72	3′·41	3′·14			
	39′ 39″	39′ 20″	39′ 18″	38′ 56″	38′ 13″	38′ 14″	38′ 04″	37′ 45″	37′ 29″			

TABLE A.

Observatory at Singapore.—Hourly observations made during the

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
					$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000305=1'{\cdot}000305$. Declinometer No. I.					
Sums	203·3	199·5	195·0	181·9	170·0	172·9	187·9	201·7	213·6	228·6
Means of 14 days ...	14·52	14·25	13·93	12·99	12·14	12·35	13·42	14·41	15·26	16·33
Diurnal changes ...	−0′·30	−0′·57	−0′·89	−1′·83	−2′·68	−2′·47	−1′·40	−0′·41	+0′·44	+1′·51
Diurnal oscillation...	2·38	2′·11	1′·79	0′·85	0′·00	0′·21	1′·28	2′·27	3′·12	4′·19
Diurnal declination .	36′ 35″ +1°	36′ 20″	36′ 00″	35′ 03″	34′ 12″	34′ 25″	35′ 29″	36′ 28″	37′ 19″	38′ 24″
					$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000371=1'{\cdot}000371$. Declinometer No. II.					
Sums	706·0	703·0	699·4	686·0	667·9	668·5	685·9	702·9	717·7	731·3
Means of 14 days ...	50·43	50·21	49·96	49·00	47·71	47·75	48·99	50·21	51·26	52·24
Diurnal changes ...	−0′·31	−0′·53	−0′·78	−1′·74	−3′·03	−2′·99	−1′·75	−0′·53	+0′·52	+1′·50
Diurnal oscillation...	2′·72	2′·50	2′·25	1′·29	0′·00	0′·04	1′·28	2′·50	3′·55	4′·53
Diurnal declination .	36′ 55″ +1°	36′ 42″	36′ 27″	35′ 30″	34′ 12″	34′ 15″	35′ 29″	36′ 42″	37′ 45″	38′ 44″
					$\alpha\left(1+\frac{H}{F}\right)=1'{\cdot}0047\times1{\cdot}00037=1'{\cdot}004$. Declinometer No. III.					
Sums	1375·0	1371·5	1366·4	1353·7	1340·6	1344·2	1358·9	1373·7	1385·9	1401·0
Means of 14 days ...	98·21	97·96	97·60	96·69	95·76	96·01	97·06	98·12	98·99	100·07
Diurnal changes.....	−0′·32	−0′·57	−0′·93	−1′·84	−2′·77	−2′·52	−1′·47	−0′·41	+0′·46	+1′·54
Diurnal oscillation...	2′·45	2′·20	1′·84	0′·93	0′·00	0′·25	1′·30	2′·36	3′·23	4′·31
Diurnal declination .	36′ 38″ +1°	36′ 23″	36′ 01″	35′ 09″	34′ 11″	34′ 26″	35′ 29″	36′ 33″	37′ 25″	38′ 30″
					$\alpha\left(1+\frac{H}{F}\right)=1'\,0005\times1{\cdot}0003=1'{\cdot}0008$. Declinometer No. IV.					
Sums	1345·2	1341·9	1337·5	1325·9	1308·3	1306·9	1320·3	1335·2	1347·9	1363·4
Means of 14 days ...	96·09	95 85	95·54	94·71	93·45	93·35	94·31	95·37	96·28	97·39
Diurnal changes ...	−0′·06	−0′·30	−0′·61	−1′·44	−2′·70	−2′·80	−1′·84	−0′·78	+0′·13	+1′·24
Diurnal oscillation...	2′·74	2′·50	2′·19	1′·36	0′·10	0′·00	0′·96	2′·02	2′·93	4′·04
Diurnal declination .	37′ 16″ +1°	37′ 01″	36′ 43″	35′ 53″	34′ 37″	34′ 31″	35′ 29″	36′ 33″	37′ 27″	38′ 34″

TABLE A.

Month of December, 1848. Latitude 1° 18′ 32″ N. Longitude 103° 56′ 30″ E.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 1st to the 16th, 13·42. α=1° 35′ 29″ East.												
	240·1	238·6	231·8	226·3	216·6	209·8	212·4	208·4	202·9	3941·3	207·6	
	17·15	17·04	16·56	16·16	15·47	14·99	15·17	14·89	14·49	281·52	14·82	1° 36′ 53″
	+2′·33	+2′·22	+1′·74	+1′·34	+0′·65	+0′·17	+0′·35	+0′·07	−0′·33			
	5′·01	4′·90	4′·42	4′·02	3′·33	2′·85	3′·03	2′·75	3′·01			
	39′ 13″	39′ 06″	38′ 37″	38′ 13″	37′ 32″	37′ 03″	37′ 14″	36′ 57″	37′ 13″			
Zero from the 1st to the 16th, 48·99. α=1° 35′ 29″ East.												
	743·8	744·9	736·5	731·1	722·0	714·3	715·3	712·5	707·8	13496·8	710·3	
	53·13	53·21	52·61	52·22	51·57	51·02	51·09	50·89	50·56	964·06	50·74	1° 37′ 14″
	+2′·39	+2′·47	+1′·87	+1′·48	+0′·83	+0′·28	+0′·35	+0′·15	−0′·18			
	5′·42	5′·50	4′·90	4′·51	3′·86	3′·31	3′·38	3′·18	2′·85			
	39′ 37″	39′ 42″	39′ 06″	38′ 43″	38′ 04″	37′ 31″	37′ 35″	37′ 23″	37′ 03″			
Zero from the 1st to the 16th, 97·06. α=1° 35′ 29″ East.												
	1412·1	1411·2	1404·1	1398·6	1389·2	1382·2	1384·8	1380·3	1374·8	26208·2	1379·2	
	100·86	100·80	100·29	99·90	99·23	98·73	98·91	98·59	98·20	1871·98	98·53	1° 36′ 57″
	+2′·33	+2′·27	+1′·76	+1′·37	+0′·70	+0′·20	+0′·38	+0′·06	−0′·33			
	5′·10	5′·04	4′·53	4′·14	3′·47	2′·97	3′·15	2′·83	2′·44			
	39′ 17″	39′ 13″	38′ 43″	38′ 19″	37′ 39″	37′ 09″	37′ 20″	37′ 01″	36′ 37″			
Zero from the 1st to the 16th, 94·31. α=1° 35′ 29″ East.												
	1375·6	1375·8	1368·1	1364·1	1357·2	1351·6	1353·9	1351·6	1345·2	25575·6	1345·9	
	98·26	98·27	97·72	97·44	96·94	96·54	96·71	96·54	96·09	1826·85	96·15	1° 37′ 19″
	+2′·11	+2′·12	+1′·57	+1′·29	+0′·79	+0′·39	+0′·56	+0′·39	−0′·06			
	4′·90	4′·92	4′·37	4′·09	3′·59	3′·19	3′·36	3′·19	3′·74			
	39′ 25″	39′ 27″	38′ 54″	38′ 37″	38′ 07″	37′ 43″	37′ 53″	37′ 43″	37′ 16″			

Table A.

Observatory at Singapore.—Hourly observations made during the Month

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
						$\alpha\left(1+\frac{H}{F}\right)=40''{\cdot}7\times1{\cdot}000451$. Declinometer No. V.				
Sums	592·5	588·0	583·0	562·4	546·0	554·7	570·8	589·5	607·0	626·7
Means of 14 days ...	42·32	42·00	41·64	40·17	39·00	39·62	40·77	42·11	43·36	44·76
Diurnal changes ...	−0′·37	−0′·58	−0′·83	−1′·83	−2′·63	−2′·20	−1′·42	−0′·51	+0′·34	+1′·29
Diurnal oscillation...	2′·26	2′·05	1′·80	0′·80	0′·00	0′·43	1′·21	2′·12	2′·97	3′·92
Diurnal declination .	36′ 32″ +1°	36′ 19″	36′ 04″	35′ 04″	34′ 16″	34′ 42″	35′ 29″	36′ 24″	37′ 15″	38′ 12″

Observatory at Pulo Booaya.—Hourly observations made during the

						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000158=1'{\cdot}000158$. Declinometer No. I.				
Sums	.....	.....	126·1	161·9	160·9	162·8	165·6	169·5	173·6	175·8
Means of 4 days ...	.....	.....	42·03	40·48	40·23	40·70	41·40	42·38	43·40	43·95
Diurnal changes ...	.....	.....	−0′·29	−1′·84	−2′·09	−1′·62	−0′·92	+0′·06	+1′·08	+1′·63
Diurnal oscillation...	.....	.....	1′·80	0′·25	0′·00	0′·47	1′·17	2′·15	3′·17	3′·72
Diurnal declination .	.....	.....	29′ 27″ +1°	27′ 54″	27′ 39″	28′ 07″	28′ 49″	29′ 48″	30′ 49″	31′ 22″
						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.				
Sums	.....	.....	151·7	195·8	194·0	194·6	198·8	203·6	207·4	209·1
Means of 4 days ...	.....	.....	50·57	48·95	48·50	48·65	49·70	50·90	51·85	52·28
Diurnal changes ...	.....	.....	−0′·22	−1′·84	−2′·29	−2′·14	−1′·09	+0′·11	+1′·06	+1′·49
Diurnal oscillation...	.....	.....	2′·07	0′·45	0′·00	0′·15	1′·20	2′·40	3′·35	3′·78
Diurnal declination .	.....	.....	29′ 41″ +1°	28′ 04″	27′ 37″	27′ 46″	28′ 49″	30′ 01″	30′ 58″	31′ 24″

Observatory at Carimon Island.—Hourly observations made during the

						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000158=1'{\cdot}000158$. Declinometer No. I.				
Sums	.....	.....	199·1	233·4	229·3	232·0	238·7	244·9	248·2	249·4
Means of 6 days ...	.....	.....	39·82	38·90	38·22	38·67	39·78	40·82	41·37	41·57
Diurnal changes ...	.....	.....	−0′·18	−1′·10	−1′·78	−1′·33	−0′·22	+0′·82	+1′·37	+1′·57
Diurnal oscillation...	.....	.....	1′·60	0′·68	0′·00	0′·45	1′·56	2′·60	3′·15	3′·35
Diurnal declination .	.....	.....	23′ 07″ +1°	22′ 12″	21′ 31″	21′ 58″	23′ 05″	24′ 07″	24′ 40″	24′ 52″

TABLE A.

of December, 1848. Latitude 1° 18′ 32″ N. Longitude 103° 56′ 30″ E. (*Continued.*)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 1st to the 16th, 40·77. α=1° 35′ 29″ East.												
	645·2	646·5	636·3	628·8	614·0	604·3	605·6	602·6	597·1	11401·0	600·1	
	46·09	46·18	45·45	44·91	43·86	43·16	43·26	43·04	42·65	814·35	42·86	1° 37′ 34″
	+2′·20	+2′·26	+1′·76	+1′·32	+0′·68	+0′·20	+0′·27	+0′·12	−0′·14			
	4′·83	4′·89	4′·39	3′·95	3′·31	2′·83	2′·90	2′·75	2′·49			
	39′ 02″	39′ 10″	38′ 40″	38′ 13″	37′ 35″	37′ 06″	37′ 10″	37′ 01″	36′ 46″			

Month of February, 1846. Latitude 0° 09′ 09″ N. Longitude 104° 21′ 00″ E.

Zero from the 6th to the 9th, 41·40. α=1° 28′ 49″ East.												
	175·0	172·8	170·7	170·5	170·2	170·8	170·2	127·3	.....	2623·7	169·3	
	43·75	43·20	42·68	42·63	42·55	42·70	42·55	42·43	.....	677·06	42·32	29′ 43″
	+1′·43	+0′·88	+0′·36	+0′·31	+0′·23	+0′·38	+0′·23	+0′·11	.....			
	3′·52	2′·97	2′·45	2′·40	2′·32	2′·47	2′·32	2′·20	.....			
	31′ 10″	30′ 37″	30′ 06″	30′ 03″	29′ 58″	30′ 07″	29′ 58″	29′ 51″	.....			
Zero from the 6th to the 9th, 49·70. α=1° 28′ 49″ East.												
	208·5	207·3	205·4	205·3	205·1	205·2	205·0	152·2	.....	3149·0	203·2	
	52·13	51·83	51·35	51·33	51·28	51·30	51·25	50·73	.....	812·60	50·79	29′ 55″
	+1′·34	+1′·04	+0′·56	+0′·54	+0′·49	+0′·51	+0′·46	−0′·06	.....			
	3′·63	3′·33	2′·85	2′·83	2′·78	2′·80	2′·75	2′·23	.....			
	31′ 15″	30′ 57″	30′ 28″	30′ 27″	30′ 24″	30′ 25″	30′ 22″	29′ 51″	.....			

Month of January, 1846. Latitude 0° 59′ 22″ N. Longitude 103° 27′ 00″ E.

Zero from the 26th to the 31st of January, 39·78. α=1° 23′ 05″ East.												
	248·6	246·1	241·0	237·5	235·9	237·3	238·8	240·1	.....	3800·3	240·0	
	41·43	41·02	40·17	39·58	39·32	39·55	39·80	40·02	.....	640·94	40·00	1° 23′ 17″
	+1′·43	+1′·02	+0′·17	−0′·42	−0′·68	−0′·45	−0′·20	+0′·02	.....			
	3′·21	2′·80	1′·95	1′·36	1′·10	1′·33	1′·58	1′·80	.....			
	24′ 44″	24′ 19″	23′ 28″	22′ 53″	22′ 37″	22′ 51″	23 ′06″	23′ 19″	.....			

TABLE A.

Observatory at Carimon Island.—Hourly observations made during the Month of

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.										
Sums	.....	.....	233·1	271·5	268·2	273·7	281·3	289·0	293·6	296·2
Means of 6 days.....	.....	.....	46·62	45·25	44·70	45·62	46·88	48·17	48·93	49·37
Diurnal changes.....	.....	.....	−0′·91	−2′·28	−2′·83	−1′·91	−0′·65	+ 0′·64	+1′·40	+1′·84
Diurnal oscillation...	.....	.....	1′·92	0′·55	0′·00	0′·92	2′·18	3′·47	4′·23	4′·67
Diurnal declination	.....	.....	22′ 49″ +1°	21′ 27″	20′ 54″	21′ 49″	23′ 05″	24′ 22″	25′ 08″	25′ 34″

Observatory at Padang.—Hourly observations made during the Month of

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000207=1'{\cdot}0002$. Declinometer No. I.										
Sums	953·6	952·6	952·8	872·1	947·6	942·3	940·0	934·2	943·6	959·7
Means of 12 days ...	79·46	79·38	79·40	79·28	78·97	78·53	78·33	77·85	78·63	79·97
Diurnal changes.....	−0′·12	−0′·20	−0′·18	−0′·30	−0′·61	−1′·05	−1′·25	−1′·73	−0′·95	−0′·39
Diurnal oscillation...	1′·61	1′·53	1′·55	1′·43	1′·12	0′·68	0′·48	0′·00	0′·78	2′·12
Diurnal declination	26′ 03″ +1°	25′ 58″	25′ 59″	25′ 52″	25′ 33″	25′ 07″	24′ 55″	24′ 26″	25′ 13″	26′ 33″
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000158=1'{\cdot}000158$. Declinometer No. II.										
Sums	585·1	584·3	583·9	537·4	577·3	572·3	569·8	569·5	581·4	603·0
Means of 13 days ...	45·01	44·95	44·92	44·78	44·41	44·02	43·83	43·80	44·78	46·39
Diurnal changes ...	−0′·57	−0′·63	−0′·66	−0′·80	−0′·17	−1′·56	−1′·75	−1′·78	−0′·80	+0′·81
Diurnal oscillation...	1′·21	1′·15	1′·12	0′·98	0′·61	0′·22	0′·03	0′·00	0′·98	2′·59
Diurnal declination .	25′ 38″ +1°	25′ 32″	25′ 32″	25′ 26″	25′ 02″	24′ 38″	24′ 26″	24′ 26″	25′ 26″	27′ 02″

Observatory at Padang.—Hourly observations made during the Month

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000207=1'{\cdot}0002$. Declinometer No. I.										
Sums	2059·9	2060·6	2052·8	2034·2	2012·6	2016·1	2017·3	2030·6	2060·3	2085·3
Means of 26 days ...	79·23	79·25	78·95	78·24	77·41	77·54	77·59	78·10	79·24	80·20
Diurnal changes.....	−0′·06	−0′·04	−0′·34	−1′·05	−1′·88	−1′·75	−1′·70	−1′·19	−0′·05	+0′·91
Diurnal oscillation...	1′·82	1′·84	1′·54	0′·83	0′·00	0′·13	0′·18	0′·69	1′·83	2′·79
Diurnal declination .	25′ 32″ +1°	25′ 32″	25′ 14″	24′ 32″	23′ 44″	23′ 50″	23′ 56″	24′ 26″	25′ 32″	26′ 32″

TABLE A.

January, 1846. Latitude 0° 59′ 22″ N. Longitude 103° 27′ 00″ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 26th to the 31st, 46·88. $\alpha = 1° 23' 05''$ East.											
295·8	294·4	290·3	287·7	285·2	285·9	285·5	283·8	.....	4515·2	285·1	
49·30	49·07	48·38	47·95	47·53	47·65	47·58	47·30	.....	760·30	47·53	1° 23′ 41″
+1′·77	+1′·54	+0′·85	+0′·42	0′·00	+0′·12	+0′·05	−0′·23	.....			
4′·60	4′·37	3′·68	3′·25	2′·83	2′·95	2′·88	2′·60	.....			
25′ 30″	25′ 16″	24′ 35″	24′ 09″	23′ 44″	23′ 51″	23′ 47″	23′ 30″	.....			

October, 1847. Latitude 0° 58′ 58″ S. Longitude 100° 31′ 15″ E.

Zero from the 17th to the 31st, 77·85. $\alpha = 1° 24' 26''$ East.											
969·1	971·7	969·0	968·1	963·4	961·6	958·5	955·5	950·1	18065·5	955·1	
80·76	80·98	80·75	80·68	80·28	80·13	79·88	79·63	79·18	1512·07	79·58	1° 26′ 10″
+1′·18	+1′·40	+1′·17	+1′·10	+0′·70	+0′·55	+0′·30	+0′·05	−0′·40			
2′·91	3′·13	2′·90	2′·83	2′·43	2′·28	2′·03	1′·78	1′·33			
27′ 21″	27′ 34″	27′ 20″	27′ 16″	26′ 52″	26′ 43″	26′ 28″	26′ 14″	25′ 40″			
Zero from the 16th to the 30th, 43·83. $\alpha = 1° 24' 26''$ East.											
618·8	623·5	618·9	563·0	556·0	601·0	598·0	592·1	585·4	11120·7	592·8	
47·60	47·96	47·60	46·92	46·33	46·23	46·00	45·41	45·03	865·97	45·58	1° 26′ 14″
+2′·02	+2′·38	+2′·02	+1′·34	+0′·75	+0′·65	+0′·42	−0′·17	−0′·55			
3′·80	4′·16	3′·80	3′·12	2′·53	2′·43	2′·20	1′·61	1′·23			
27′ 44″	28′ 38″	28′ 14″	27′ 32″	26′ 56″	26′ 50″	26′ 38″	26′ 02″	25′ 38″			

of November, 1847. Latitude 0° 58′ 58″ S. Longitude 100° 31′ 15″ E.

Zero from the 1st to the 31st, 78·10. $\alpha = 1° 24' 26''$ East.											
2099·6	2102·3	2095·4	2088·9	2079·0	2073·9	2074·1	2066·8	2059·8	39169·5	2061·55	
80·75	80·86	80·59	80·34	79·96	79·77	79·77	79·49	79·22	1506·50	79·29	1° 25′ 38″
+1′·46	+1′·57	+1′·30	+1′·05	+0′·67	+0′·48	+0′·48	0′·20	−0′·07			
3′·34	3′·45	3′·18	2′·93	2′·55	2′·36	2′·36	2′·08	1′·81			
27′ 02″	27′ 14″	26′ 56″	26′ 38″	26′ 14″	26′ 08″	26′ 08″	25′ 50″	25′ 32″			

TABLE A.

Observatory at Padang.—Hourly observations made during the

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
					$\alpha\left(1+\frac{H}{F}\right)=1' \times \cdot 000158=1'\cdot 000158$. Declinometer No. II.					
Sums	1154·7	1153·5	1145·9	1127·6	1103·2	1107·3	1110·6	1130·8	1166·8	1199·2
Means of 26 days ...	44·41	44·37	44·07	43·37	42·43	42·59	42·72	43·49	44·88	46·12
Diurnal changes ...	−0′·44	−0′·48	−0′·78	−1′·48	−2′·42	−2′·26	−2′·13	−1′·36	+0′·03	+1′·27
Diurnal oscillation...	1′·98	1′·94	1′·64	0′·94	0′·00	0′·16	0′·29	1′·06	2′·45	3′·69
Diurnal declination .	25′ 20″ +1°	25′ 20″	25′ 02″	24′ 20″	23′ 20″	23′ 32″	23′ 38″	24′ 26″	25′ 50″	27′ 02″

Observatory at Padang.—Hourly observations made during the

					$\alpha\left(1+\frac{H}{F}\right)=1' \times \cdot 000207=1'\cdot 002$. Declinometer No. I.					
Sums	2042·3	2039·9	2031·4	2013·5	1986·0	1970·1	1982·1	2000·1	2021·3	2052·6
Means of 26 days ...	78·55	78·46	78·13	77·44	76·38	75·77	76·23	76·93	77·74	78·95
Diurnal changes.....	+0′·21	+0′·12	−0′·21	−0′·90	−1′·96	−2′·57	−2′·11	−1′·41	−0′·60	+0′·61
Diurnal oscillation...	2′·78	2′·69	2′·36	1′·67	0′·61	0′·00	0′·46	1′·16	1′·97	3′·18
Diurnal declination .	26′ 02″ +1°	25′ 56″	25′ 38″	24′ 56″	23′ 56″	23′ 20″	24′ 38″	24′ 26″	25′ 14″	26′ 26″
					$\alpha\left(1+\frac{H}{F}\right)=1' \times \cdot 000158=1'\cdot 000158$. Declinometer No. II.					
Sums	1165·7	1163·8	1155·2	1139·2	1107·6	1096·5	1115·0	1143·5	1174·7	1214·2
Means of 26 days ...	44·83	44·76	44·43	43·82	42·60	42·17	42·88	43·98	45·18	46·70
Diurnal changes ...	−0′·63	−0′·70	−1′·03	−1′·64	−2′·86	−3′·29	−2′·58	−1′·48	−0′·28	+1′·24
Diurnal oscillation...	2′·66	2′·59	2′·26	1′·65	0′·43	0′·00	0′·71	1′·81	3′·01	4′·53
Diurnal declination .	25′ 14″ +1°	25′ 14″	24′ 50″	24′ 14″	23′ 02″	22′ 38″	23′ 20″	24′ 26″	25′ 38″	27′ 08″

Observatory at Padang.—Hourly observations made during the

					$\alpha\left(1+\frac{H}{F}\right)=1' \times \cdot 000207=1'\cdot 002$. Declinometer No. I.					
Sums	1003·5	1001·5	998·7	988·6	976·8	974·6	979·4	984·5	990·9	1006·1
Means of 13 days ...	77·19	77·04	76·82	76·05	75·14	74·97	75·34	75·73	76·22	77·39
Diurnal changes ...	+0′·20	+0′·05	−0′·17	−0′·94	−1′·85	−2′·02	−1′·65	−1′·26	−0′·77	+0′·40
Diurnal oscillation...	2′·22	2′·07	1′·85	1′·08	0′·17	0′·00	0′·37	0′·76	1′·25	2′·42
Diurnal declination .	25′ 56″ +1°	25′ 44″	25′ 32″	24′ 44″	25′ 02″	25′ 08″	24′ 50″	24′ 26″	24′ 56″	26′ 08″

Table A.

Month of November, 1847. Latitude 0° 58′ 58″ S. Longitude 100° 31′ 15″ E. (*Continued.*)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 1st to the 30th, 43·49. $\alpha = 1° 24' 26''$ East.												
	1217·7	1223·0	1217·3	1208·1	1194·5	1184·7	1180·6	1169·9	1162·2	22157·6	1166·20	
	46·83	47·04	46·82	46·47	45·94	45·57	45·41	44·99	44·70	852·22	44·85	1° 25′ 44″
	+1′·98	+2′·19	+1′·97	+1′·62	+1′·09	+0′·72	+0′·56	+0′·14	−0′·15			
	4′·40	4′·61	4′·39	4′·04	3′·51	3′·14	2′·98	2′·56	2′·27			
	27′ 44″	27′ 56″	27′ 44″	27′ 26″	26′ 50″	26′ 32″	26′ 20″	25′ 56″	25′ 38″			

Month of December, 1847. Latitude 0° 58′ 58″ S. Longitude 100° 31′ 15″ E.

Zero from the 1st to the 31st, 76·93. $\alpha = 1° 24' 26''$ East.												
	2067·6	2072·7	2080·5	2078·2	2066·0	2049·1	2051·9	2050·6	2044·2	38700·1	2036·6	
	79·52	79·72	80·02	79·93	79·46	78·81	78·92	78·87	78·62	1488·45	78·34	1° 25′ 50″
	+1′·18	+1′·38	+1′·68	+1′·59	+1′·12	+0′·47	+0′·58	+0′·53	+0′·28			
	3′·75	3′·95	4′·25	4′·16	3′·69	3′·04	3′·15	3′·10	2′·85			
	27′ 02″	27′ 14″	27′ 32″	27′ 26″	27′ 02″	26′ 20″	26′ 26″	26′ 26″	26′ 08″			
Zero from the 1st to the 31st, 43·98. $\alpha = 1° 24' 26''$ East.												
	1237·2	1244·9	1255·0	1246·3	1228·4	1202·3	1197·4	1189·0	1179·8	22455·7	1181·7	
	47·58	47·88	48·27	47·93	47·25	46·24	46·05	45·73	45·38	863·66	45·46	1° 25′ 56″
	+2′·12	+2′·42	+2′·81	+2′·47	+1′·79	+0′·78	+0′·59	+0′·27	−0′·08			
	5′·41	5′·71	6′·10	5′·76	5′·08	4′·07	3′·88	3′·56	3′·21			
	27′ 44″	28′ 10″	28′ 44″	28′ 20″	27′ 38″	26′ 38″	26′ 26″	26′ 08″	25′ 50″			

Month of January, 1848. Latitude 0° 58′ 58″ S. Longitude 100° 31′ 15″ E.

Zero from the 1st to the 15th, 75·73. $\alpha = 1° 24' 26''$ East.												
	1013·6	1016·7	1019·4	1018·7	1010·9	1007·4	1015·2	1007·7	1003·5	19017·7	1001·0	
	77·97	78·21	78·42	78·36	77·76	77·49	78·09	77·52	77·19	1462·90	76·99	1° 25′ 44″
	+0′·98	+1′·22	+1′·43	+1′·37	+0′·77	+0′·50	+1′·10	+0′·53	+0′·20			
	3′·00	3′·24	3′·45	3′·39	2′·79	2′·54	3′·12	2′·55	2′·22			
	26′ 44″	26′ 56″	27′ 08″	27′ 08″	26′ 32″	26′ 14″	26′ 50″	26′ 14″	25′ 56″			

TABLE A.

Observatory at Padang.—Hourly observations made during the Month of

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000158=1'{\cdot}000158$. Declinometer No. II.													
Sums	.....	.....	.....	585·7	583·3	579·4	569·7	558·4	557·7	567·4	576·4	587·3	606·9
Means of 13 days ...	.....	.....	.....	45·05	44·87	44·57	43·82	42·95	42·90	43·65	44·34	45·18	46·68
Diurnal changes ...	.....	.....	.....	−0′·62	−0′·80	−1′·10	−1′·85	−2′·72	−2′·77	−2′·02	−1′·33	−0′·49	+1′·01
Diurnal oscillation...	.....	.....	.....	2′·15	1′·97	1′·67	0′·92	0′·05	0′·00	0′·75	1′·41	2′·28	3′·78
Diurnal declination .	.....	.....	.....	25′ 08″ +1°	25′ 02″	24′ 44″	23′ 56″	23′ 02″	23′ 02″	23′ 44″	24′ 26″	25′ 20″	26′ 50″

Observatory at Poolo Bay.—Hourly observations made during the Months of

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000207=1'{\cdot}000207$. Declinometer No. I.													
Sums	.....	.....	.....	458·0	458·5	459·4	462·4	278·4	456·2	449·9	448·0	447·3	449·2
Means of 5 days ...	.....	.....	.....	91·60	91·70	91·88	92·48	92·80	91·24	89·98	89·60	89·46	89·84
Diurnal changes ...	.....	.....	.....	+0′·39	+0′·49	+0′·67	+1′·27	+1′·59	+0′·03	−1′·23	−1′·61	−1′·75	−1′·37
Diurnal oscillation...	.....	.....	.....	2′·14	2′·24	2′·42	3′·02	3′·34	1′·78	0′·52	0′·14	0′·00	0′·38
Diurnal declination .	.....	.....	.....	06′ 46″ +1°	06′ 52″	07′ 03″	07′ 39″	07′ 58″	06′ 25″	05′ 09″	05′ 32″	05′ 38″	05′ 01″
$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000158=1'{\cdot}000158$. Declinometer No. II.													
Sums	.....	.....	.....	98·2	98·9	100·1	102·1	100·7	98·6	96·0	94·5	93·9	94·6
Means of 2 days ...	.....	.....	.....	49·10	49·45	50·05	51·05	50·35	49·30	48·00	47·25	46·95	47·30
Diurnal changes.....	.....	.....	.....	−0′·55	−0′·20	+0′·40	+1′·40	+0′·70	−0′·35	−1′·65	−2′·40	−2′·70	−2′·35
Diurnal oscillation...	.....	.....	.....	2′·15	2′·50	3′·10	4′·10	3′·40	2′·35	1′·05	0′·30	0′·00	0′·35
Diurnal declination .	.....	.....	.....	06′ 15″ +1°	06′ 36″	07′ 12″	08′ 12″	07′ 30″	06′ 27″	05′ 09″	04′ 24″	04′ 06″	04′ 27″

Observatory at Batavia.—Hourly observations made during the Month of

$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000207=1'{\cdot}000207$. Declinometer No. I.													
Sums	1514·8	1592·5	1593·3	1589·8	1589·0	1587·7	1570·5	1559·3	1556·0	1563·8	1576·9	1598·1	1623·6
Means of 19 days ...	84·16	83·82	83·86	83·67	83·63	83·56	82·66	82·07	81·89	82·30	82·99	84·11	85·45
Diurnal changes ...	0′·0	−0′·4	−0′·3	−0′·5	−0′·6	−0′·6	−1′·5	−2′·1	−2′·3	−1′·9	−1′·2	−0′·1	+1′·2
Diurnal oscillation...	2′·3	1′·9	2′·0	1′·8	1′·7	1′·7	0′·8	0′·2	0′·0	0′·4	1′·1	2′·2	3′·3
Diurnal declination .	49′ 01″ +0°	48′ 37″	48′ 43″	48′ 31″	48′ 25″	48′ 25″	47′ 31″	46′ 55″	46′ 43″	47′ 07″	47′ 49″	48′ 55″	50′ 13″

TABLE A.

January, 1848. Latitude 0° 58′ 58″ S. Longitude 100° 31′ 15″ E. (*Continued.*)

1	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Declin.
Zero from the 1st to the 15th, 44·34 $\alpha = 1° 24′ 26″$ East.													
618·7	624·5	626·5	622·2	611·2	604·9	608·0	598·8	593·7	.....	.....	11280·7	593·7	
47·59	48·04	48·19	47·86	47·02	46·53	46·77	46·06	45·67	.....	.....	867·74	45·67	1° 25′ 50″
+1′·92	+2′·37	+2′·52	+2′·19	+1′·35	+0′·86	+1′·10	+0′·39	0′·00	.....	.....			
4′·69	5′·14	5′·29	4′·96	4′·12	3′·63	3′·87	3′·16	2′·77	.....	.....			
27′ 44″	28′ 08″	28′ 20″	28′ 02″	27′ 08″	26′ 38″	26′ 56″	36′ 14″	25′ 50″	.....	.....			

August and September, 1847. Latitude 3° 53′ 54″ S. Longitude 102° 28′ 45″ E.

Zero from the 31st of August to September the 4th inclusive, 89·98. $\alpha = 1° 05′ 09″$ East.													
453·2	457·6	463·3	464·7	459·3	456·3	455·0	453·9	452·2	.....	.....	8482·8	456·1	
90·64	91·52	92·66	92·94	91·86	91·26	91·00	90·78	90·44	.....	.....	1733·68	91·21	1° 06′ 23″
−0′·57	+0′·31	+1′·45	+1′·73	+0′·65	+0′·05	−0′·21	−0′·43	−0′·77	.....	.....			
1′·18	2′·06	3′·20	3′·48	2′·40	1′·80	1′·54	1′·32	0′·98	.....	.....			
05′ 35″	06′ 41″	08′ 01″	08′ 07″	07′ 02″	06′ 26″	06′ 10″	05′ 57″	05′ 37″	.....	.....			
Zero from the 31st of August to September the 4th inclusive, 50·86. $\alpha = 1° 05′ 09″$ East.													
96·8	100·1	102·5	102·4	101·9	102·2	101·8	101·3	100·0	.....	.....	1886·6	99·3	
48·40	50·05	51·25	51·20	50·95	51·10	50·90	50·65	50·00	.....	.....	943·3	49·65	1° 06′ 48″
−1′·25	+0′·40	+1′·60	+1′·55	+1′·30	+1′·45	+1′·25	+1′·00	+0′·35	.....	.....			
1′·45	3′·10	4′·30	4′·25	4′·00	4′·15	3′·95	3′·70	3′·05	.....	.....			
05′ 33″	07′ 12″	08′ 24″	08′ 21″	08′ 06″	08′ 15″	08′ 03″	07′ 48″	07′ 09″	.....	.....			

November, 1846. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E.

Zero from the 9th to the 30th, 82·30. $\alpha = 0° 47′ 07″$ East.													
1643·3	1644·2	1638·5	1630·4	1623·9	1612·7	1610·5	1605·5	1603·1	1597·1	1597·3	38321·8	1600·2	
86·49	86·54	86·24	85·81	85·47	84·88	84·76	84·50	84·37	84·06	84·07	2021·36	84·22	0° 49′ 01″
+2′·3	+2′·3	+2′·0	+1′·6	+1′·3	+0′·7	+0′·6	+0′·3	+0′·2	−0′·1	−0′·1			
4′·6	4′·6	4′·3	3′·9	3′·6	3′·0	2′·9	2′·6	2′·5	2′·2	2′·2			
51′ 19″	51′ 19″	51′ 01″	50′ 37″	50′ 19″	49′ 43″	49′ 37″	49′ 19″	49′ 19″	48′ 55″	48′ 55″			

TABLE A.

Observatory at Batavia.—Hourly observations made during the

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.													
Sums	939·1	988·0	986·8	982·2	980·4	977·8	963·4	948·2	946·0	953·3	969·7	991·2	967·2
Means of 19 days ...	52·17	52·00	51·94	51·69	51·60	51·46	50·70	49·90	49·79	50·17	51·04	52·17	53·73
Diurnal changes ...	−0′·1	−0′·3	−0′·4	−0′·6	−0′·7	−0′·8	−1′·6	−2′·4	−2′·5	−2′·1	−1′·3	−0′·1	+1′·4
Diurnal oscillation...	2′·4	2′·2	2′·1	1′·9	1′·8	1′·7	0′·9	0′·1	0′·0	0′·4	1′·2	2′·4	3′·9
Diurnal declination .	49′ 07″ +0°	48′ 55″	48′ 49″	48′ 37″	48′ 31″	48′ 25″	47′ 57″	46′ 49″	46′ 43″	47′ 07″	47′ 55″	49′ 07″	50′ 37″

Observatory at Batavia.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000207=1'{\cdot}000207$. Declinometer No. I.													
Sums	2007·7	2006·2	2004·5	2080·5	2076·6	2067·7	2049·0	2022·0	1553·1	1327·6	1344·1	1357·9	2109·9
Means of 25 days ...	80·31	80·25	80·18	80·02	79·87	79·53	78·81	77·77	77·66	78·09	79·06	79·88	81·15
Diurnal changes ...	+0′·1	0′·0	0′·0	−0′·2	−0′·3	−0′·7	−1′·4	−2′·4	−2′·5	−2′·1	−1′·1	−0′·3	+0′·9
Diurnal oscillation...	2′·6	2′·5	2′·5	2′·3	2′·2	1′·8	1′·1	0′·1	0′·0	0′·4	1′·4	2′·2	3′·4
Diurnal declination .	49′ 19″ +0°	49′ 13″	49′ 13″	49′ 01″	48′ 55″	48′ 31″	47′ 49″	46′ 49″	46′ 43″	47′ 07″	48′ 07″	48′ 55″	50′ 07″
$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.													
Sums	1311·7	1308·8	1304·4	1351·3	1345·2	1336·4	1316·3	1288·6	937·1	846·0	864·2	880·8	1391·9
Means of 25 days ...	52·47	52·35	52·18	51·97	51·74	51·40	50·63	49·56	49·32	49·77	50·84	51·81	53·53
Diurnal changes ...	−0′·1	−0′·3	−0′·4	−0′·6	−0′·9	−1′·2	−2′·0	−3′·0	−3′·3	−2′·8	−1′·8	−0′·8	+0′·9
Diurnal oscillation...	3′·2	3′·0	2′·9	2′·7	2′·4	2′·1	1′·3	0′·3	0′·0	0′·5	1′·5	2′·5	4′·2
Diurnal declination .	49′ 44″ +0°	49′ 37″	49′ 31″	49′ 19″	49′ 01″	48′ 43″	47′ 55″	46′ 55″	46′ 37″	47′ 07″	48′ 07″	49′ 07″	50′ 49″

Observatory at Batavia.—Hourly observations made during the

$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000207=1'{\cdot}000207$. Declinometer No. I.													
Sums	1416·3	1417·6	1415·1	1977·6	1974·2	1968·3	1955·2	1921·1	1912·0	1923·0	1935·8	1958·1	1992·0
Means of 25 days ...	78·68	78·76	78·62	79·10	78·97	78·73	78·21	76·84	76·48	76·92	77·43	78·32	79·68
Diurnal changes ...	−0′·2	−0′·1	−0′·3	+0′·2	+0′·1	−0′·2	−0′·7	−2′·1	−2′·4	−2′·0	−1′·5	−0′·6	+0′·8
Diurnal oscillation...	2′·2	2′·3	2′·1	2′·6	2′·5	2′·2	1′·7	0′·3	0′·0	0′·4	0′·9	1′·8	3′·2
Diurnal declination .	48′ 55″ +0°	49′ 01″	48′ 49″	49′ 19″	49′ 13″	48′ 55″	48′ 25″	47′ 01″	46′ 43″	47′ 07″	47′ 37″	48′ 31″	49′ 55″

TABLE A.

Month of November, 1846. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E. (*Continued.*)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Declin.
Zero from the 9th to the 30th, 50·17. $\alpha = 0° 47' 07''$ East.														
	983·5	989·9	986·6	978·4	915·2	1010·8	1006·4	999·5	996·4	989·5	989·2	23438·7	994·0	
	54·64	54·99	54·81	54·36	53·84	53·20	52·97	52·60	52·44	52·08	52·06	1256·35	52·32	0° 49′ 13″
	+2′·3	+2′·7	+2′·5	+2′·1	+1′·5	+0′·9	+0′·7	+0′·3	+0′·1	−0′·2	−0′·2			
	4′·8	5′·2	5′·0	4′·6	4′·0	3′·4	3′·2	2′·8	2′·6	2′·3	2′·3			
	51′ 31″	51′ 51″	51′ 43″	51′ 19″	50′ 43″	50′ 07″	49′ 55″	49′ 31″	49′ 19″	49′ 01″	49′ 01″			

Month of December, 1846. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E.

Zero from the 1st to the 31st, 78·11. $\alpha = 0° 47' 07''$ East.														
	2130·4	2136·0	2130·8	2121·7	2106·8	2015·1	2014·9	1529·7	1206·3	1202·7	1200·2	43801·4	2085·99	
	81·94	82·15	81·95	81·60	81·03	80·60	80·60	80·51	80·42	80·18	80·01	1923·57	80·22	0° 49′ 19″
	+1′·7	+1′·9	+1′·7	+1′·4	+0′·8	+0′·4	+0′·4	+0′·3	+0′·2	0′·0	−0′·2			
	4′·2	4′·4	4′·2	3′·9	3′·3	2′·9	2′·9	2′·8	2′·7	2′·5	2′·3			
	50′ 55″	51′ 07″	50′ 55″	50′ 37″	50′ 01″	49′ 37″	49′ 37″	49′ 31″	49′ 25″	49′ 13″	49′ 01″			
Zero from the 1st to the 31st, 49·77. $\alpha = 0° 47' 07''$ East.														
	1420·1	1429·9	1428·1	1423·1	1409·5	1341·2	1337·7	1011·0	792·0	787·9	782·1	28645·3	1368·87	
	54·62	55·00	54·93	54·73	54·21	53·65	53·51	53·21	52·80	52·53	52·14	1258·90	52·56	0° 49′ 55″
	+2′·0	+2′·4	+2′·3	+2′·1	+1′·6	+1′·0	+0′·9	+0′·6	+0′·2	−0′·1	−0′·5			
	5′·3	5′·7	5′·6	5′·4	4′·9	4′·3	4′·2	3′·9	3′·5	3′·2	2′·8			
	51′ 55″	52′ 19″	52′ 13″	52′ 01″	51′ 31″	50′ 55″	50′ 49″	50′ 31″	50′ 07″	49′ 49″	49′ 25″			

Month of January, 1847. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E.

Zero from the 1st to the 31st, 76·9. $\alpha = 0° 47' 07''$ East.														
	2020·7	2025·8	2019·0	2003·4	1990·4	1987·2	1991·2	1587·1	1417·2	1413·7	1412 8	43634·8	1975·2	
	80·83	81·03	80·76	80·14	79·62	79·49	79·65	79·36	78·73	78·54	78·49	1893·38	78·90	0° 49′ 07″
	+1′·9	+2′·1	+1′·9	+1′·2	+0′·7	+0′·6	+0′·7	+0′·5	−0′·2	−0′·4	−0′·4			
	4′·3	4′·5	4′·3	3′·6	3′·1	3′·0	3′·1	2′·9	2′·2	2′·0	2′·0			
	51′ 01″	51′ 13″	51′ 01″	50′ 19″	49′ 49″	49′ 43″	49′ 49″	49′ 37″	48′ 55″	48′ 43″	48′ 43″			

TABLE A.

Observatory at Batavia.—Hourly observations made during the

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
						$\alpha\left(1+\frac{H}{F}\right)=1' \times \cdot 000139=1'\cdot 000139$. Declinometer No. II.							
Sums	919·8	919·5	917·6	1258·2	1252·7	1244·0	1229·5	1195·8	1186·0	1198·6	1214·7	1235·6	1283·9
Means of 25 days ...	51·10	51·08	50·98	50·33	50·11	49·76	49·18	47·83	47·44	47·94	48·59	49·42	51·36
Diurnal changes ...	+0′·5	+0′·5	+0′·4	−0′·3	−0′·5	−0′·8	−1′·4	−2′·8	−3′·2	−2′·7	−2′·0	−1′·2	+0′·8
Diurnal oscillation...	3′·7	3′·7	3′·6	2′·9	2′·7	2′·4	1′·8	0′·4	0′·0	0′·5	1′·2	2′·0	4′·0
Diurnal declination .	50′ 19″ +0°	50′ 19″	50′ 13″	49′ 31″	49′ 13″	49′ 01″	48′ 25″	47′ 01″	46′ 37″	47′ 07″	47′ 49″	48′ 37″	50′ 37″

Observatory at Batavia.—Hourly observations made during the

						$\alpha\left(1+\frac{H}{F}\right)=1' \times 1\cdot 000207=1'\cdot 000207$. Declinometer No. I.							
Sums	1303·5	1304·9	1304·8	1971·4	1972·8	1973·8	1971·0	1940·3	1907·2	1892·2	1898·2	1928·2	1971·4
Means of 24 days ...	81·47	81·56	81·55	82·14	82·20	82·24	82·13	80·85	79·47	78·84	79·09	80·34	82·14
Diurnal changes ...	−0′·6	−0′·5	−0′·6	0′·0	+0′·1	+0′·1	0′·0	−1′·3	−2′·6	−3′·3	−3′·0	−1′·8	0′·0
Diurnal oscillation .	2′·7	2′·8	2′·7	3′·3	3′·4	3′·4	3′·3	2′·0	0′·7	0′·0	0′·3	1′·5	3′·3
Diurnal declination .	49′ 49″ +0°	49′ 55″	49′ 49″	50′ 25″	50′ 31″	50′ 31″	50′ 25″	49′ 07″	47′ 49″	47′ 07″	47′ 25″	48′ 37″	50′ 25″
						$\alpha\left(1+\frac{H}{F}\right)=1' \times 1\cdot 000139=1'\cdot 000139$. Declinometer No. II.							
Sums	791·4	795·2	790·0	1183·4	1184·7	1184·1	1178·2	1148·4	1109·5	1095·7	1105·9	1143·9	1193·5
Means of 24 days ...	49·46	49·70	49·38	49·31	49·36	49·34	49·09	47·85	46·23	45·65	46·08	47·66	49·73
Diurnal changes.....	−0′·1	+0′·1	−0′·2	−0′·3	−0′·2	−0′·3	−0′·5	−1′·8	−3′·4	−4′·0	−3′·5	−1′·9	+0′·1
Diurnal oscillation...	3′·9	4′·1	3′·8	3′·7	3′·8	3′·7	3′·5	2′·2	0′·6	0′·0	0′·5	2′·1	4′·1
Diurnal declination .	51′ 01″ +0°	51′ 13″	50′ 55″	50′ 49″	50′ 55″	50′ 49″	50′ 37″	49′ 19″	47′ 43″	47′ 07″	47′ 37″	49′ 13″	51′ 13″

Observatory at Batavia.—Hourly observations made during the

								$\alpha\left(1+\frac{H}{F}\right)=1' \times 1\cdot 000207$. Declinometer No. I.					
Sums	.....	.....	.....	2244·0	2237·9	2232·2	2230·5	2213·1	2195·7	2197·8	2214·4	2232·0	2251·5
Means of 27 days ...	.....	.....	.....	83·11	82·89	82·67	82·61	81·97	81·32	81·40	82·02	82·67	83·39
Diurnal changes.....	.....	.....	.....	+0′·1	−0′·1	−0′·3	−0′·4	−1′·0	−1′·7	−1′·6	−1′·0	−0′·3	+0′·4
Diurnal oscillation...	.....	.....	.....	1′·8	1′·6	1′·4	1′·3	0′·7	0′·0	1′·1	0′·7	1′·4	2′·1
Diurnal declination .	.....	.....	.....	48′ 49″ +0°	48′ 37″	48′ 25″	48′ 19″	47′ 43″	47′ 01″	47′ 07″	47′ 43″	48′ 25″	49′ 07″

TABLE A.

Month of January, 1847. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E. (*Continued.*)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Declin.
Zero from the 1st to the 31st, 47·94. $\alpha = 0° 47′ 07″$ East.														
	1313·1	1323·3	1321·4	1307·1	1295·0	1290·1	1291·3	1037·5	928·6	920·9	918·9	28003·1	1263·0	
	52·52	52·93	52·86	52·28	51·80	51·60	51·65	51·88	51·59	51·16	51·05	12164·4	50·64	0° 49′ 49″
	+1′·9	+2′·3	+2′·3	+1′·7	+1′·2	+1′·0	+1′·0	+1′·3	+1′·0	+0′·6	+0′·4			
	5′·1	5′·5	5′·5	4′·9	4′·4	4′·2	4′·2	4′·5	4′·2	3′·8	3′·6			
	51′ 31″	52′ 07″	52′ 07″	51′ 31″	51′ 01″	50′ 49″	50′ 49″	51′ 07″	50′ 49″	49′ 49″	49′ 37″			

Month of February, 1847. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E.

Zero from the 1st to the 28th, 78·8. $\alpha = 0° 47′ 07″$ East.														
	2010·0	2033·9	2035·7	2023·7	2002·5	1991·1	1990·5	1985·2	1897·2	1138·4	1139·6	43587·5	1972·5	
	83·75	84·75	84·82	84·32	83·44	82·96	82·94	82·72	82·49	81·31	81·40	1968·92	82·08	0° 50′ 25″
	+1′·6	+2′·6	+2′·7	+2′·2	+1′·3	+0′·9	+0′·8	+0′·6	+0′·4	−0′·8	−0′·7			
	4′·9	5′·9	6′·0	5′·5	4′·6	4′·2	4′·1	3′·9	3′·7	2′·5	2′·6			
	52′ 01″	53′ 01″	53′ 07″	52′ 37″	51′ 31″	51′ 19″	51′ 13″	51′ 01″	50′ 49″	49′ 37″	49′ 43″			
Zero from the 1st to the 28th, 45·65. $\alpha = 0° 47′ 07″$ East.														
	1235·0	1262·4	1266·6	1256·0	1234·1	1223·6	1219·6	1213·4	1156·7	696·9	697·8	26366·0	1192·0	
	51·46	52·60	52·78	52·33	51·42	50·98	50·82	50·56	50·30	49·78	49·84	1191·71	49·65	0° 51′ 07″
	+1′·9	+3′·0	+3′·2	+2′·7	+1′·8	+1′·4	+1′·2	+1′·0	+0′·7	+0′·2	+0′·2			
	5′·9	7′·0	7′·2	6′·7	5′·8	5′·4	5′·2	5′·0	4′·7	4′·2	4′·2			
	53′ 01″	54′ 57″	54′ 19″	53′ 49″	52′ 55″	52′ 31″	52′ 19″	52′ 07″	51′ 49″	51′ 19″	51′ 19″			

Month of March, 1847. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E.

Zero from the 1st to the 31st, 81·4. $\alpha = 0° 47′ 07″$ East.														
	2263·7	2270·8	2267·7	2264·4	2258·6	2254·0	2252·8	2246·7	2148·3	.....	.....	42476·1	2240·1	
	83·84	84·10	83·99	83·87	83·65	83·48	83·44	83·21	82·63	.....	.....	1576·26	82·96	0° 48′ 43″
	+0′·8	+1′·1	+1′·0	+0′·9	+0′·6	+0′·5	+0′·4	+0′·2	−0′·4	.....	.....			
	2′·5	2′·8	2′·7	2′·6	2′·3	2′·2	2′·1	1′·9	1′·3	.....	.....			
	49′ 31″	49′ 49″	47′ 43″	49′ 37″	49′ 19″	49′ 13″	49′ 07″	48′ 55″	48′ 19″	.....	.....			

TABLE A.

Observatory at Batavia.—Hourly observations made during the

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
					$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.					
Sums	1361·5	1354·4	1343·8	1339·0	1322·7	1299·9	1305·5	1321·2	1347·3	1370·4
Means of 27 days ...	50·43	50·16	49·77	49·59	48·99	48·14	48·35	48·93	49·90	50·76
Diurnal changes ...	0′·0	−0′·2	−0′·6	−0′·8	−1′·4	−2′·3	−2′·1	−1′·5	−0′·5	+0′·4
Diurnal oscillation...	2′·3	2′·1	1′·7	1′·5	0′·9	0′·0	0′·2	0′·8	1′·8	2′·7
Diurnal declination .	49′ 13″ +0°	49′ 01″	48′ 37″	48′ 25″	47′ 49″	46′ 55″	47′ 07″	47′ 43″	48′ 43″	49′ 57″

Observatory at Batavia.—Hourly observations made during the

					$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000158=1'{\cdot}000158$. Declinometer No. I.					
Sums	2157·6	2155·3	2150·7	2152·2	2138·6	2112·0	2006·4	2098·4	2118·0	2139·6
Means of 26 days ...	82·98	82·90	82·72	82·78	82·25	81·23	80·26	80·71	81·46	82·29
Diurnal changes.....	+0′·5	+0′·4	+0′·2	+0′·3	−0′·3	−1′·3	−2′·2	−1′·8	−1′·0	−0′·2
Diurnal oscillation...	2′·7	2′·6	2′·4	2′·5	1′·9	0′·9	0′·0	0′·4	1′·2	2′·0
Diurnal declination .	49′ 49″ +0°	49′ 43″	49′ 31″	49′ 37″	49′ 01″	48′ 01″	47′ 07″	47′ 31″	48′ 19″	49′ 07″
					$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.					
Sums	1305·6	1302·3	1296·5	1295·8	1283·9	1254·3	1184·3	1244·8	1265·2	1293·1
Means of 26 days ...	50·22	50·09	49·87	49·84	49·38	48·24	47·37	47·88	48·66	49·73
Diurnal changes ...	+0′·3	+0′·2	0′·0	−0′·1	−0′·5	−1′·7	−2′·5	−2′·0	−1′·2	−0′·2
Diurnal oscillation...	2′·8	2′·7	2′·5	2′·4	2′·0	0′·8	0′·0	0′·5	1′·3	2′·3
Diurnal declination .	49′ 55″ +0°	49′ 49″	49′ 37″	49′ 31″	49′ 07″	47′ 55″	47′ 07″	47′ 37″	48′ 25″	49′ 25″

Observatory at Batavia.—Hourly observations made during the

					$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000158=1'{\cdot}000158$. Declinometer No. I.					
Sums	2189·2	2190·6	2192·6	2202·7	2203·6	2178·1	1826·7	2147·6	2148·3	2149·9
Means of 26 days ...	84·20	84·25	84·33	84·72	84·75	83·77	83·03	82·60	82·63	82·69
Diurnal changes ...	+0′·3	+0′·3	+0′·4	+0′·8	+0′·8	−0′·1	−0′·9	−1′·3	−1′·3	−1′·2
Diurnal oscillation...	1′·6	1′·6	1′·7	2′·1	2′·1	1′·2	0′·4	0′·0	0′·0	0′·1
Diurnal declination .	43′ 19″ +0°	48′ 19″	48′ 25″	48′ 49″	48′ 49″	47′ 55″	47′ 07″	46′ 43″	46′ 43″	46′ 49″

TABLE A.

Month of March, 1847. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E. (*Continued.*)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 1st to the 31st, 48·35. $\alpha = 0° 47' 07''$ East.												
	1388·7	1397·9	1397·5	1397·8	1394·8	1389·6	1387·1	1379·3	1307·8	25806·2	1360·8	
	51·43	51·77	51·76	51·77	51·66	51·47	51·37	51·09	50·30	957·64	50·40	0° 49′ 13″
	+1′·0	+1′·4	+1′·4	+1′·4	+1′·3	+1′·1	+1′·0	+0′·7	−0′·1			
	3′·3	3′·7	3′·7	3′·7	3′·6	3′·4	3′·3	3′·0	2′·2			
	50′ 13″	50′ 37″	50′ 37″	50′ 37″	50′ 31″	50′ 19″	50′ 13″	49′ 55″	49′ 07″			

Month of April, 1847. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E.

Zero from the 1st to the 30th, 80·26. $\alpha = 0° 47' 07''$ East.												
	2155·4	2166·5	2090·6	2169·4	2165·1	1664·1	1658·6	1651·3	1647·3	38597·1	2144·3	
	82·90	83·33	83·62	83·44	83·27	83·21	82·93	82·57	82·37	1567·22	82·47	0° 49′ 19″
	+0′·4	+0′·8	+1′·1	+0′·9	+0′·8	+0′·7	+0′·4	+0′·1	−0′·1			
	2′·6	3′·0	3′·3	3′·1	3′·0	2′·9	2′·6	2′·3	2′·1			
	49′ 31″	50′ 07″	50′ 25″	50′ 13″	50′ 07″	50′ 01″	49′ 43″	49′ 25″	49′ 13″			
Zero from the 1st to the 30th, 47·37. $\alpha = 0° 47' 07''$ East.												
	1314·3	1329·5	1287·6	1335·4	1332·8	1024·3	1017·0	1009·4	1002·5	23378·6	1298·8	
	50·55	51·13	51·50	51·36	51·26	51·22	50·85	50·47	50·13	949·75	49·95	0° 49′ 37″
	+0′·6	+1′·2	+1′·6	+1′·5	+1′·4	+1′·3	+0′·9	+0′·6	+0′·2			
	3′·1	3′·7	4′·1	4′·0	3′·9	3′·8	3′·4	3′·1	2′·7			
	50′ 13″	50′ 49″	51′ 13″	51′ 07″	51′ 01″	50′ 55″	50′ 31″	50′ 13″	49′ 49″			

Month of May, 1847. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E.

Zero from the 1st to the 31st, 83·03. $\alpha = 0° 47' 07''$ East.												
	2167·2	2188·0	1865·2	2214·4	2208·4	2107·3	2013·7	2003·0	1996·6	40193·1	2181·7	
	83·35	84·15	84·78	85·17	84·94	84·29	83·90	83·46	83·19	1594·20	83·91	0° 48′ 01″
	−0′·6	+0′·2	+0′·9	+1′·3	+1′·0	+0′·4	0′·0	−0′·4	−0′·7			
	0′·7	1′·5	2′·2	2′·6	2′·3	1′·7	1′·3	0′·9	0′·6			
	47′ 25″	48′ 13″	48′ 55″	49′ 19″	49′ 01″	48′ 25″	48′ 01″	47′ 37″	47′ 19″			

TABLE A.

Observatory at Batavia.—Hourly observations made during the

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.				
Sums	1318·8	1319·5	1319·3	1327·7	1326·9	1305·1	1089·0	1277·9	1280·0	1289·4
Means of 26 days ...	50·72	50·75	50·74	51·07	51·03	50·20	49·50	49·15	49·23	49·59
Diurnal changes ...	0′·0	0′·0	0′·0	+0′·4	+0′·3	−0′·5	−1′·2	−1′·6	−1′·5	−1′·1
Diurnal oscillation...	1′·6	1′·6	1′·6	2′·0	1′·9	1′·1	0′·4	0′·0	0′·1	0′·5
Diurnal declination .	48′ 19″ +0°	48′ 19″	48′ 19″	48′ 43″	48′ 37″	47′ 49″	47′ 07″	46′ 43″	46′ 49″	47′ 13″

Observatory at Batavia.—Hourly observations made during the

						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000158=1'{\cdot}000158$. Declinometer No. I.				
Sums	2164·8	2167·1	2169·6	2094·5	2110·8	2093·2	1742·3	2063·1	2142·8	2145·2
Means of 26 days ...	83·26	83·35	83·45	83·78	84·43	83·73	82·97	82·52	82·42	82·51
Diurnal changes ...	0′·0	+0′·1	+0′·2	+0′·5	+1′·1	+0′·4	−0′·3	−0′·3	−0′·9	−0′·8
Diurnal oscillation...	0′·9	1′·0	1′·1	1′·4	2′·0	1′·3	0′·6	0′·6	0′·0	0′·1
Diurnal declination .	47′ 25″ +0°	47′ 31″	47′ 37″	47′ 55″	48′ 31″	47′ 49″	47′ 07″	47′ 07″	46′ 31″	46′ 37″
						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000139=1'{\cdot}000139$. Declinometer No. II.				
Sums	1338·9	1342·2	1341·8	1298·3	1311·7	1296·3	1075·0	1273·7	1326·2	1332·4
Means of 26 days ...	51·50	51·62	51·61	51·93	52·47	51·85	51·19	50·95	51·01	51·25
Diurnal changes ...	−0′·6	−0′·5	−0′·5	−0′·2	+0′·4	−0′·3	−0′·9	−1′·2	−1′·1	−0′·9
Diurnal oscillation...	0′·6	0′·7	0′·7	1′·0	1′·6	0′·9	0′·3	0′·0	0′·1	0′·3
Diurnal declination .	47′ 25″ +0°	47′ 31″	47′ 31″	47′ 49″	48′ 25″	47′ 43″	47′ 07″	46′ 49″	46′ 55″	47′ 01″

Observatory at Cocos Island.—Hourly observations made during the Month of

						$\alpha\left(1+\frac{H}{F}\right)=1'\times1{\cdot}000305=1'{\cdot}000305$. Declinometer No. I.				
Sums	2366·0	2370·4	2369·5	2380·2	2368·1	2324·8	2287·9	2277·4	2287·6	2316·2
Means of 27 days ...	87·63	87·79	87·76	88·16	87·71	86·10	84·74	84·35	84·73	85·79
Diurnal changes ...	+0′·53	+0′·69	+0′·66	+1′·06	+0′·61	−1′·00	−2′·36	−2′·75	−2′·37	−1′·21
Diurnal oscillation...	3′·28	3′·44	3′·41	3′·81	3′·36	1′·75	0′·39	0′·00	0′·38	1′·44
Diurnal declination .	07′ 49″ −1°	07′ 39″	07′ 41″	07′ 17″	07′ 44″	09′ 20″	10′ 42″	11′ 05″	10′ 43″	9′ 39″

TABLE A.

Month of May, 1847. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E. (*Continued.*)

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from the 1st to the 31st, 49·5. $\alpha = 0° 47' 07''$ East.											
1311·8	1332·5	1147·4	1365·6	1357·8	1287·5	1225·7	1213·6	1205·6	24301·1	1318·6	
50·45	51·25	52·15	52·52	52·22	51·50	51·07	50·57	50·23	963·94	50·73	0° 48′ 19″
−0′·3	+0′·5	+1′·4	+1′·8	+1′·5	+0′·8	+0′·4	−0′·1	−0′·5			
1′·3	2′·1	3′·0	3′·4	3′·1	2′·4	2′·0	1′·5	1′·1			
48′ 02″	48′ 49″	49′ 43″	50′ 07″	49′ 49″	49′ 07″	48′ 43″	48′ 13″	47′ 49″			

Month of June, 1847. Latitude 6° 09′ 52″ S. Longitude 106° 58′ 00″ E.

Zero from the 1st to the 30th, 32·97. $\alpha = 0° 47' 07''$ East.											
2152·3	2081·7	1765·2	2104·0	2009·6	1912·3	1741·3	1736·9	1731·3	38128·0	2165·6	
82·78	83·27	84·06	84·16	83·73	83·14	82·92	82·71	82·44	1581·63	83·25	
−0′·5	0′·0	+0′·8	+0′·9	+0′·4	−0′·2	−0′·4	−0′·6	−0′·9			
0′·4	0′·9	1′·7	1′·8	1′·3	0′·7	0′·5	0′·3	0′·0			
46′ 55″	47′ 25″	48′ 13″	48′ 19″	47′ 49″	47′ 13″	47′ 01″	46′ 49″	46′ 31″			
Zero from the 1st to the 30th, 51·19. $\alpha = 0° 47' 07''$ East.											
1347·0	1315·9	1124·6	1344·8	1281·7	1210·6	1101·6	1094·6	1088·3	23845·6	1352·8	
51·81	52·64	53·55	53·79	53·40	52·63	52·46	52·12	51·82	989·60	52·06	0° 48′ 01″
−0′·3	+0′·5	+1′·4	+1′·7	+1′·3	+0′·5	+0′·4	0′·0	−0′·3			
0′·9	1′·7	2′·6	2′·9	2′·5	1′·7	1′·6	1′·2	0′·9			
47′ 43″	48′ 31″	49′ 25″	49′ 43″	49′ 19″	48′ 31″	48′ 25″	48′ 01″	47′ 43″			

August and September, 1848. Latitude 12° 05′ 38″ S. Longitude 96° 50′ 30″ E.

Zero from August the 28th to September the 27th, 84·74. $\alpha = 1° 10' 42''$ West.											
2350·1	2377·8	2392·4	2394·2	2379·4	2364·3	2366·6	2358·3	2352·2	45726·8	2351·6	
87·04	88·07	88·61	88·67	88·13	87·57	87·65	87·34	87·12	1654·96	87·10	1° 08′ 28″
−0′·06	+0′·97	+1′·51	+1′·57	+1′·03	+0′·47	+0′·55	+0′·24	+0′·22			
2′·69	3′·72	4′·26	4′·82	3′·78	3′·22	3′·30	2′·99	2′·97			
08′ 24″	07′ 22″	06′ 50″	06′ 46″	07′ 19″	07′ 52″	07′ 47″	08′ 06″	08′ 07″			

TABLE A.

Observatory at Cocos Island.—Hourly observations made during the Month of August

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
					$\alpha\left(1+\frac{H}{F}\right)=1' \times 1{\cdot}000371=1'{\cdot}000371$. Declinometer No. II.					
Sums	1243·8	1247·0	1244·7	1255·6	1242·0	1200·2	1127·5	1175·1	1194·9	1229·5
Means of 27 days ...	46·07	46·19	46·10	46·50	46·00	44·45	43·37	43·52	44·26	45·54
Diurnal changes ...	0′·00	+0′·12	+0′·03	+0′·43	−0′·07	−1′·62	−2′·70	−2′·55	−1′·81	−0′·53
Diurnal oscillation...	2′·70	2′·82	2′·73	3′·13	2′·63	1′·08	0′·00	0′·15	0′·89	2′·17
Diurnal declination .	08′ 00″ −1°	07′ 53″	07′ 58″	07′ 34″	08′ 04″	09′ 37″	10′ 42″	10′ 33″	09′ 49″	08′ 32″
					$\alpha\left(1+\frac{H}{F}\right)$ 1′·0047 × 1·00037=1′·004. Declinometer No. III.					
Sums	2652·1	2654·5	2755·9	2766·3	2753·7	2610·4	2679·2	2675·7	2695·3	2731·2
Means of 27 days ...	102·00	102·10	102·07	102·46	101·99	100·40	99·23	99·10	99·83	101·16
Diurnal changes ...	+0′·01	+0′·11	+0′·08	+0′·47	0′·00	−1′·59	−2′·76	−2′·89	−2′·16	−0′·83
Diurnal oscillation...	2′·90	3′·00	2′·97	3′·36	2′·89	1′·30	0′·13	0′·00	0′·73	2′·06
Diurnal declination .	07′ 56″ −1°	07′ 50″	7′ 52″	7′ 28″	7′ 56″	9′ 32″	10′ 42″	10′ 50″	9′ 12″	8′ 46″

TABLE A.

and September, 1848. Latitude 12° 05′ 38″ S. Longitude 96° 50′ 30″ E. (*Continued.*)

	1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Declin.
Zero from August the 28th to September the 27th, 43·37. $\alpha = 1°\ 10'\ 42''$ West.												
	1214·3	1288·0	1298·3	1293·8	1276·5	1254·8	1198·2	1241·2	1232·8	24048·3	1242·6	
	46·70	47·70	48·09	47·92	47·28	46·47	46·08	45·97	45·66	873·87	46·07	1° 08′ 00″
	+0′·63	+1′·63	+2′·02	+1′·85	+1′·21	+0′·40	+0′·01	−0′·10	−0′·41			
	3′·33	4′·33	4′·72	4′·55	3′·91	3′·10	2′·71	2′·60	2′·29			
	07′ 22″	06′ 22″	05′ 59″	06′ 09″	06′ 47″	07′ 36″	07′ 59″	08′ 06″	08′ 25″			
Zero from August the 28th to September the 27th, 99·23. $\alpha = 1°\ 10'\ 42''$ West.												
	2769·1	2796·3	2811·1	2811·1	2794·6	2773·3	2772·1	2760·7	2752·5	53240·8	2753·4	
	102·56	103·57	104·11	104·11	103·50	102·71	102·67	102·25	101·94	1937·76	101·99	1° 07′ 56″
	+0′·57	+1′·58	+2′·12	+2′·12	+1′·51	+0′·72	+0′·68	+0′·26	−0′·05			
	3′·46	4′·47	5′·01	5′·01	4′·40	3′·61	3′·57	3′·15	2′·84			
	7′ 22″	6′ 22″	5′ 49″	5′ 49″	6′ 26″	7′ 13″	7′ 16″	7′ 41″	7′ 59″			

Oscillation of the Horizontal Intensity at various Stations in the Eastern

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Moulmein	.....	.....	.....	0·00	0·30	0·03	0·55	1·80	5·89	10·19	17·09
Madras	.....	.....	.....	0·28	0·26	0·37	0·56	2·23	5·28	9·73	12·55
Nicobar	.....	.....	.....	2·50	2·86	3·44	4·12	3·28	6·00	9·90	14·46
Sambooanga	.....	.....	.....	0·02	0·00	0·10	0·68	2·55	4·49	6·57	9·59
Penang	.....	.....	.....	0·38	0·52	0·00	0·66	1·90	6·40	10·62	13·74
Pulo Dinding	.....	.....	.....	0·00	0·20	0·40	0·85	2·55	5·35	8·45	11·35
Sarawak	0·35	0·51	0·70	0·80	0·92	1·10	1·47	2·29	3·67	5·31	6·19
Keemah	.....	.....	.....	0·00	0·12	0·21	0·71	2·12	4·35	6·69	8·64
Pulo Peesang	.....	.....	.....	.....	.....	3·23	0·20	1·44	3·00	6·02	6·90
Singapore	.....	.....	.....	1·53	1·49	1·33	1·84	2·25	3·63	4·63	5·91
Carimon	.....	.....	.....	.....	.....	0·46	1·07	2·47	4·25	6·32	6·65
Bowaya	.....	.....	.....	.....	.....	2·28	3·15	4·81	6·41	8·31	8·48
Padang	.....	.....	.....	1·63	1·56	1·67	2·12	3·11	4·60	6·21	7·56
Bencoolen	.....	.....	.....	1·30	1·30	1·20	1·30	4·67	4·38	6·18	7·66
Batavia, Winter	0·51	0·41	0·55	0·33	0·60	0·58	0·76	1·59	2·51	4·18	5·13
Batavia, Spring	.....	.....	.....	0·00	0·18	0·45	0·93	1·88	3·47	4·68	5·78
Cocos	.....	.....	.....	0·98	1·37	1·60	1·81	3·34	4·51	5·79	6·53
Singapore, No. II.	.....	.....	.....	0·81	0·70	0·57	0·93	1·25	3·73	5·60	8·07

Oscillation of the Horizontal Intensity at Batavia,

November .....1846...	0·25	0·07	0·41	0·00	0·14	0·36	0·60	1·56	2·83	4·32	5·16
December	0·88	0·85	0·83	0·67	0·74	0·91	1·08	2·05	3·06	4·18	4·72
January .....1847...	0·45	0·26	0·43	0·55	0·73	0·88	0·97	1·88	2·01	4·59	5·95
February	1·38	1·40	1·43	1·02	0·92	1·11	1·31	1·81	3·06	4·57	5·63
Sums	2·96	2·58	3·10	2·24	2·53	3·26	3·96	7·30	10·96	17·66	21·46
Means	0·74	0·64	0·78	0·56	0·63	0·81	0·99	1·82	2·74	4·41	5·36
Oscillation	0·51	0·41	0·55	0·33	0·60	0·58	0·76	1·59	2·51	4·18	5·13

Oscillation of the Horizontal Intensity at Batavia,

March .....1847...	.....	.....	.....	0·00	0·25	0·34	0·51	1·10	2·88	4·35	5·21
April	.....	.....	.....	0·56	0·54	0·60	1·28	2·57	3·95	4·72	6·88
May	.....	.....	.....	0·75	0·93	1·15	1·48	2·50	4·20	5·48	6·01
June	.....	.....	.....	0·00	0·34	1·03	1·79	2·68	4·17	5·49	6·33
Sums	.....	.....	.....	1·31	2·06	3·12	5·06	8·85	15·20	20·04	24·43
Means	.....	.....	.....	0·33	0·51	0·78	1·26	2·21	3·80	5·01	6·11
Oscillation	.....	.....	.....	0·00	0·18	0·45	0·93	1·88	3·47	4·68	5·78

Oscillation of the Horizontal Intensity at Sarawak

June .....1846...	0·49	0·68	0·78	0·98	0·90	1·03	1·50	2·53	3·84	5·44	6·28
July	0·51	0·84	1·07	1·05	1·12	1·43	1·79	2·58	4·33	5·80	6·89
August	0·55	0·51	0·77	0·88	1·25	1·35	1·64	2·28	3·35	5·21	5·90
Sums	1·55	2·03	2·62	2·91	3·27	3·81	4·93	7·39	11·52	16·45	19·07
Means	0·52	0·68	0·87	0·97	1·09	1·27	1·64	2·46	3·84	5·48	6·36
Oscillation	0·35	0·51	0·70	0·80	0·92	1·10	1·47	2·29	3·67	5·31	6·19

Archipelago.—In Scale Divisions. $k = \cdot 000240$.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
21·29	23·43	20·59	20·84	18·55	15·76	12·37	8·30	6·67	4·55	3·06	.....	.....	10·06
14·15	14·33	12·49	9·38	7·41	5·64	4·51	2·42	0·97	0·16	0·00	.....	.....	5·41
16·24	16·98	18·20	13·98	8·32	7·06	5·32	3·36	1·48	0·80	0·00	.....	.....	7·49
11·27	12·59	12·44	9·57	6·01	3·53	2·27	2·42	1·45	1·42	1·97	.....	.....	4·68
16·56	12·88	9·70	5·22	3·24	3·84	3·64	3·44	3·10	3·14	3·48	.....	.....	5·39
12·55	11·75	7·75	4·85	3·05	1·35	1·45	2·15	1·20	0·25	1·50	.....	.....	4·05
6·38	5·94	4·81	3·77	2·05	1·26	0·69	0·01	0·18	0·05	0·00	0·06	0·20	2·03
9·65	9·79	8·74	7·83	5·79	3·96	2·72	2·05	2·30	2·26	2·49	.....	.....	4·23
6·06	5·20	3·36	2·04	1·86	2·22	1·12	2·18	2·38	1·48	0·00	.....	.....	2·99
5·80	4·97	3·83	2·94	2·60	1·71	1·33	0·29	0·00	0·27	0·60	.....	.....	2·48
6·36	2·96	2·22	0·90	0·22	0·00	0·27	0·33	0·14	0·04	.....	.....	.....	2·17
7·15	4·94	3·33	2·80	2·00	0·00	0·75	0·80	0·43	0·08	.....	.....	.....	3·60
7·83	7·33	5·96	4·16	2·82	1·50	1·19	1·32	0·61	0·00	0·16	.....	.....	3·23
7·92	7·70	5·70	4·90	3·00	2·36	2·12	1·54	1·14	0·38	0·00	.....	.....	3·46
5·51	5·01	4·20	3·29	2·20	1·24	0·64	0·24	0·12	0·00	0·00	0·27	0·23	1·66
6·27	5·94	4·86	3·22	1·70	0·86	0·34	0·18	0·06	0·13	0·66	.....	.....	2·19
7·32	7·63	6·53	4·78	3·29	2·02	1·21	0·73	0·49	0·02	0·00	.....	.....	3·15
9·33	7·13	5·73	3·85	2·85	2·02	1·34	0·30	0·00	0·02	0·17	.....	.....	2·87

Java, Eastern Archipelago.

5·21	4·81	3·80	3·21	2·20	1·41	0·72	0·40	0·60	0·70	0·46	0·23	0·17	1·66
4·93	4·59	3·47	2·51	1·56	1·04	0·56	0·35	0·18	0·00	0·07	0·45	0·44	1·66
6·54	5·54	5·24	4·32	2·93	1·82	1·24	0·61	0·29	0·22	0·19	0·00	0·11	1·99
6·27	6·01	5·20	4·05	3·02	1·63	0·96	0·53	0·35	0·00	0·21	1·31	1·11	2·26
22·95	20·95	17·71	14·09	9·71	5·90	3·48	1·89	1·42	0·92	0·93	1·99	1·83	7·57
5·74	5·24	4·43	3·52	2·43	1·47	0·87	0·47	0·35	0·23	0·23	0·50	0·46	1·89
5·51	5·01	4·20	3·29	2·20	1·24	0·64	0·24	0·12	0·00	0·00	0·27	0·23	1·66

Java, Eastern Archipelago.

5·76	6·10	5·42	3·96	2·44	1·34	0·75	0·40	0·25	0·05	0·54	.....	.....	2·19
7·52	6·70	5·21	3·25	1·28	0·55	0·29	0·00	0·04	0·38	0·74	.....	.....	2·51
6·61	6·35	4·96	3·34	1·77	0·95	0·22	0·00	0·30	0·29	0·61	.....	.....	2·52
6·50	5·93	5·16	3·67	2·62	1·92	1·42	1·66	0·98	1·14	2·07	.....	.....	2·88
26·39	25·08	20·75	14·22	8·11	4·76	2·68	2·06	1·57	1·86	3·96	.....	.....	10·10
6·60	6·27	5·19	3·55	2·03	1·19	0·67	0·51	0·39	0·46	0·99	.....	.....	2·52
6·27	5·94	4·86	3·22	1·70	0·86	0·34	0·18	0·06	0·13	0·66	.....	.....	2·19

in Borneo, Eastern Archipelago.

6·49	6·00	4·95	3·66	2·28	1·21	0·32	0·02	0·15	0·00	0·03	0·23	0·32	2·09
7·08	6·55	5·06	4·17	2·49	1·51	1·21	0·00	0·20	0·20	0·44	0·45	0·56	2·39
6·08	5·79	4·92	3·98	1·69	1·58	1·06	0·51	0·71	0·47	0·03	0·00	0·22	2·12
19·65	18·34	14·93	11·81	6·66	4·30	2·59	0·53	1·06	0·67	0·50	0·68	1·10	6·60
6·55	6·11	4·98	3·94	2·22	1·43	0·86	0·18	0·35	0·22	0·17	0·23	0·37	2·20
6·38	5·94	4·81	3·77	2·05	1·26	0·69	0·01	0·18	0·05	0·00	0·06	0·20	2·03

Oscillation of the Horizontal Intensity at Padang in Sumatra,

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
October .....1847.....	.....	.....	.....	3·81	3·61	3·28	3·82	4·76	6·76	8·88	11·06
November	.....	.....	... ..	1·02	0·89	1·09	1·52	2·88	4·17	5·68	6·28
December	.....	.....	.....	0·00	0·37	0·93	1·17	2·28	3·84	4·53	5·83
January .....1848.....	.....	.....	.....	2·36	2·00	2·04	2·62	3·17	4·26	6·40	7·70
Sums	.....	.....	.....	7·18	6·87	7·34	9·13	13·09	19·03	25·49	30·87
Means	.....	.....	.....	1·79	1·72	1·83	2·28	3·27	4·76	6·37	7·72
Oscillation	.....	.....	.....	1·63	1·56	1·67	2·12	3·11	4·60	6·21	7·56

Oscillation of the Horizontal Intensity at Singapore,

November ...1848.....	.....	.....	.....	2·41	2·28	2·03	2·41	2·36	4·61	5·25	6·48
December	.....	.....	.....	0·65	0·71	0·64	1·27	2·14	2·65	4·01	5·35
Means	.....	.....	.....	1·53	1·49	1·33	1·84	2·25	3·63	4·63	5·91
Oscillation	.....	.....	.....	1·53	1·49	1·33	1·84	2·25	3·63	4·63	5·91

Oscillation of the Horizontal Intensity at Singapore,

November .....1848...	.....	.....	.....	1·95	1·59	1·41	1·81	1·96	5·03	6·55	9·19
December	.....	.....	.....	0·00	0·14	0·05	0·38	0·86	2·76	4·98	7·28
Sums	.....	.....	.....	1·95	1·73	1·56	2·19	2·82	7·79	11·53	16·47
Means	.....	.....	.....	0·97	0·86	0·73	1·09	1·41	3·89	5·76	8·23
Oscillation.....	.....	.....	.....	0·81	0·70	0·57	0·93	1·25	3·73	5·60	8·07

Mean Hourly Oscillation of the Horizontal Intensity

December	0·18	0·35	0·49	0·73	0·75	0·76	1·11	1·91	3·20	4·56	5·70
January	0·34	0·11	0·42	0·36	0·50	0·61	1·12	1·72	2·92	4·30	5·81
February	0·01	0·09	0·29	0·29	0·50	0·59	0·74	1·36	2·75	4·82	6·14
Sums	0·53	0·55	1·20	1·38	1·75	1·96	2·97	4·99	8·87	13·68	17·65
Means	0·18	0·18	0·40	0·46	0·58	0·65	0·99	1·66	2·96	4·56	5·88
Oscillation	0·13	0·13	0·35	0·41	0·53	0·60	0·94	1·61	2·91	4·51	5·83

Mean Hourly Oscillation of the Horizontal Intensity

March	0·23	0·39	0·37	0·45	0·57	0·59	0·61	1·43	3·13	5·07	6·56
April	0·00	0·20	0·48	0·61	0·73	0·82	1·12	2·35	4·28	6·34	8·12
May	0·16	0·21	0·21	0·19	0·31	0·49	1·21	2·32	4·03	5·49	6·52
Sums	0·39	0·80	1·06	1·25	1·61	1·90	2·94	6·10	11·44	16·90	21·20
Means	0·13	0·27	0·35	0·42	0·54	0·63	0·98	2·03	3·81	5·63	7·07
Oscillation	0·07	0·21	0·29	0·36	0·48	0·57	0·92	1·97	3·75	5·57	7·01

Mean Hourly Oscillation of the Horizontal Intensity

June	0·03	0·07	0·17	0·18	0·22	0·35	1·00	2·06	3·46	4·84	5·84
July	0·12	0·22	0·32	0·21	0·49	0·72	1·33	2·37	3·83	5·12	5·94
August	0·19	0·53	0·57	0·57	0·81	0·89	1·52	2·54	4·19	5·43	6·57
Sums	0·34	0·82	1·06	0·96	1·52	1·96	3·85	6·97	11·48	15·39	18·35
Means	0·11	0·27	0·35	0·32	0·51	0·65	1·28	2·32	3·83	5·13	6·12
Oscillation	0·08	0·24	0·32	0·29	0·48	0·62	1·25	2·29	3·80	5·10	6·09

Eastern Archipelago. In Scale Divisions k=·000240.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
12·26	11·81	9·68	6·63	4·26	2·12	2·19	3·74	1·61	0·00	0·46	.....	.....	5·31
5·86	5·22	4·16	2·87	2·96	1·22	0·74	0·41	0·19	0·00	0·06	.....	.....	2·48
6·12	5·72	4·65	3·46	2·41	1·64	1·30	0·58	0·60	0·42	0·78	.....	.....	2·45
7·72	7·21	6·00	4·31	2·29	1·65	1·17	1·18	0·68	0·24	0·00	.....	.....	3·32
31·96	29·96	24·49	17·27	11·92	6·63	5·40	5·91	3·08	0·66	1·30	.....	.....	13·56
7·99	7·49	6·12	4·32	2·98	1·66	1·35	1·48	0·77	0·16	0·32	.....	.....	3·39
7·83	7·33	5·96	4·16	2·82	1·50	1·19	1·32	0·61	0·00	0·16	.....	.....	3·23

Eastern Archipelago. Portable Bifilar k=·000240.

6·09	4·89	3·76	2·61	2·53	2·16	1·57	0·31	0·00	0·47	0·78	.....	.....	2·79
5·51	5·06	3·90	3·27	2·68	1·27	1·10	0·27	0·00	0·07	0·43	.....	.....	2·17
5·80	4·97	3·83	2·94	2·60	1·71	1·33	0·29	0·00	0·27	0·60	.....	.....	2·48
5·80	4·97	3·83	2·94	2·60	1·71	1·33	0·29	0·00	0·27	0·60	.....	.....	2·48

Eastern Archipelago. Observatory Bifilar k=·000197.

9·13	7·45	6·32	4·17	3·35	2·88	2·08	0·60	0·00	0·37	0·66	.....	.....	3·62
7·65	7·14	5·47	3·86	2·67	1·49	0·93	0·32	0·32	0·00	0·00	.....	.....	2·44
16·78	14·59	11·79	8·03	6·02	4·37	3·01	0·92	0·32	0·37	0·66	.....	.....	6·06
8·39	7·29	5·89	4·01	3·01	2·18	1·50	0·46	0·16	0·18	0·33	.....	.....	3·03
9·23	7·13	5·73	3·85	2·85	2·02	1·34	0·30	0·00	0·02	0·17	.....	.....	2·87

in the Winter Months of 1843, 1844, 1845.

5·57	4·83	3·87	2·83	2·00	1·60	1·26	0·69	0·26	0·00	0·02	0·03	0·09	1·79
5·97	5·27	4·11	3·00	2·03	1·66	1·27	0·86	0·50	0·50	0·17	0·12	0·00	1·83
6·64	6·06	4·86	3·68	2·57	1·72	1·50	0·84	0·48	0·23	0·05	0·00	0·10	1·90
18·18	16·16	12·84	9·51	6·60	4·98	4·03	2·39	1·24	0·73	0·24	0·15	0·19	5·52
6·06	5·39	4·28	3·17	2·20	1·66	1·34	0·80	0·41	0·24	0·08	0·05	0·06	1·84
6·01	5·34	4·23	3·12	2·15	1·61	1·29	0·75	0·36	0·19	0·03	0·00	0·01	1·79

in the Spring Months of 1843, 1844, 1845.

7·09	6·71	5·11	3·45	2·21	1·62	1·28	0·80	0·42	0·19	0·05	0·00	0·08	2·03
8·19	7·25	5·65	3·96	2·47	1·76	1·27	0·95	0·69	0·29	0·18	0·24	0·10	2·45
6·72	6·00	4·71	3·56	2·20	1·21	0·72	0·67	0·52	0·41	0·22	0·20	0·00	2·04
22·00	19·96	15·47	10·97	6·88	4·59	3·27	2·42	1·63	0·89	0·45	0·44	0·18	6·52
7·33	6·65	5·16	3·66	2·29	1·53	1·09	0·81	0·54	0·30	0·15	0·15	0·06	2·17
7·27	6·59	5·10	3·60	2·23	1·47	1·03	0·75	0·48	0·24	0·09	0·09	0·00	2·11

in the Summer Months of 1843, 1844, 1845.

6·06	5·56	4·46	3·17	1·71	0·80	0·24	0·19	0·20	0·06	0·02	0·02	0·00	1·70
6·28	5·79	4·76	3·41	2·06	1·21	0·83	0·36	0·37	0·20	0·20	0·08	0·00	1·95
6·56	5·81	4·79	3·31	2·09	1·10	0·67	0·60	0·26	0·30	0·00	0·08	0·08	2·07
18·90	17·16	14·01	9·89	5·86	3·11	1·74	1·15	0·83	0·56	0·22	0·18	0·08	5·72
6·30	5·72	4·67	3·30	1·95	1·04	0·58	0·38	0·28	0·19	0·07	0·06	0·03	1·91
6·27	5·69	4·64	3·27	1·92	1·01	0·55	0·35	0·25	0·16	0·04	0·03	0·00	1·88

Mean Hourly Oscillation of the Horizontal Intensity in the

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
September	0·09	0·39	0·71	0·89	0·94	0·85	1·23	2·44	4·37	5·95	6·80
October	0·28	0·61	0·62	0·87	0·98	0·92	0·99	1·99	3·91	5·83	7·02
December	0·11	0·30	0·41	0·73	0·66	0·69	0·87	1·81	3·36	4·88	5·95
Sums	0·48	1·30	1·74	2·49	2·58	2·46	3·09	6·24	11·64	16·66	19·77
Means	0·16	0·43	0·58	0·83	0·86	0·82	1·03	2·08	3·88	5·55	6·59
Oscillation	0·15	0·42	0·57	0·82	0·85	0·81	1·02	2·07	3·87	5·54	6·58

Mean Hourly Oscillation of the Horizontal Intensity

Winter	0·13	0·13	0·35	0·41	0·53	0·60	0·94	1·61	2·91	4·51	5·83
Spring	0·07	0·21	0·29	0·36	0·48	0·57	0·92	1·97	3·75	5·57	7·01
Summer	0·08	0·24	0·32	0·29	0·48	0·62	1·25	2·29	3·80	5·10	6·09
Autumn	0·15	0·42	0·57	0·82	0·85	0·81	1·02	2·07	3·87	5·54	6·58
Sums	0·43	1·00	1·53	1·88	2·34	2·60	4·13	7·94	14·33	20·72	25·51
Means	0·11	0·25	0·38	0·47	0·58	0·65	1·03	1·98	3·58	5·18	6·38
Oscillation	0·09	0·23	0·36	0·45	0·56	0·63	1·01	1·96	3·56	5·16	6·36

Mean Hourly Oscillation of the Horizontal Intensity

December	0·18	0·35	0·49	0·73	0·75	0·76	1·11	1·91	3·20	4·56	5·70
January	0·34	0·11	0·42	0·36	0·50	0·61	1·12	1·72	2·92	4·30	5·81
February	0·01	0·09	0·29	0·29	0·50	0·59	0·74	1·36	2·75	4·82	6·14
March	0·23	0·39	0·37	0·45	0·57	0·59	0·61	1·43	3·13	5·07	6·56
April	0·00	0·20	0·48	0·61	0·73	0·82	1·12	2·35	4·28	6·34	8·12
May	0·16	0·21	0·21	0·19	0·31	0·49	1·21	2·32	4·03	5·49	6·52
June	0·03	0·07	0·17	0·18	0·22	0·35	1·00	2·06	3·46	4·84	5·84
July	0·12	0·22	0·32	0·21	0·49	0·72	1·33	2·37	3·83	5·12	5·94
August	0·19	0·53	0·57	0·57	0·81	0·89	1·52	2·54	4·19	5·43	6·57
September	0·09	0·39	0.71	0·89	0·94	0·85	1·23	2·44	4·37	5·95	6·80
October	0·28	0·61	0·62	0·87	0·98	0·92	0·99	1·99	3·91	5·83	7·02
November	0·11	0·30	0·41	0·73	0·66	0·69	0·87	1·81	3·36	4·88	5·95
Sums	1·74	3·77	5·06	6·08	7·46	8·28	12·85	24·30	43·43	62·63	76·97
Means	0·14	0·31	0·42	0·51	0·62	0·69	1·07	2·02	3·62	5·22	6·41
Oscillation	0·08	0·25	0·36	0·46	0·56	0·63	1·01	1·96	3·56	5·16	6·35

Mean Oscillation of the Horizontal Intensity at Singapore

1843	0·06	0·22	0·31	0·35	0·49	0·54	0·94	1·90	3·38	4·94	6·17
1844	0·12	0·21	0·40	0·38	0·58	0·62	1·07	1·97	3·51	5·00	6·09
1845	0·13	0·29	0·45	0·53	0·69	0·79	1·10	2·09	3·86	5·60	6·86
Sums	0·31	0·72	1·16	1·26	1·76	1·95	3·11	5·96	10·75	15·54	19·12
Means	0·10	0·24	0·39	0·42	0·59	0·65	1·04	1·99	3·58	5·18	6·37
Oscillation	0·09	0·23	0·38	0·41	0·58	0·64	1·03	1·98	3·57	5·17	6·36

Comparison of Horizontal Intensity in minutes of Arc between the Fixed

Bifilar Portable	.....	.....	.....	2′·19	2′·13	1′·90	2′·63	3′·22	5′·19	6′·62	8′·45
Bifilar Fixed	.....	.....	.....	0·88	0·75	0·61	1·00	1·35	4·02	6·04	8·70

Autumn Months of 1843, 1844, 1845. In Scale Divisions. k=·000197.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
6·76	5·53	3·89	2·29	1·76	1·10	0·63	0·52	0·44	0·12	0·04	0·00	0·15	2·00
7·26	6·14	4·42	2·98	2·11	1·78	1·49	0·80	0·46	0·18	0·00	0·01	0·10	2·15
5·88	5·02	4·00	2·83	1·89	1·33	0·90	0·51	0·26	0·11	0·02	0·03	0·00	1·77
19·90	16·69	12·31	8·10	5·76	4·21	3·02	1·83	1·16	0·41	0·06	0·04	0·25	5·92
6·63	5·56	4·10	2·70	1·92	1·40	1·01	0·61	0·39	0·14	0·02	0·01	0·08	1·97
6·62	5·55	4·09	2·69	1·91	1·39	1·00	0·60	0·38	0·13	0·01	0·00	0·07	1·96

in the four Seasons of 1843, 1844, 1845.

6·01	5·34	4·23	3·12	2·15	1·61	1·29	0·75	0·36	0·19	0·03	0·00	0·01	1·79
7·27	6·59	5·10	3·60	2·23	1·47	1·03	0·75	0·48	0·24	0·09	0·09	0·00	2·11
6·27	5·69	4·64	3·27	1·92	1·01	0·55	0·35	0·25	0·16	0·04	0·03	0·00	1·88
6·62	5·55	4·09	2·69	1·91	1·39	1·00	0·60	0·38	0·13	0·01	0·00	0·07	1·96
26·17	23·17	18·06	12·68	8·21	5·48	3·87	2·45	1·47	0·72	0·17	0·12	0·08	7·74
6·54	5·79	4·51	3·17	2·05	1·37	0·97	0·61	0·37	0·18	0·04	0·03	0·02	1·93
6·52	5·77	4·49	3·15	2·03	1·35	0·95	0·59	0·35	0·16	0·02	0·01	0·00	1·91

for each Month of the Years 1843, 1844, 1845.

5·57	4·83	3·87	2·83	2·00	1·60	1·26	0·69	0·26	0·00	0·02	0·03	0·09	1·79
5·97	5·27	4·11	3·00	2·03	1·66	1·27	0·86	0·50	0·50	0·17	0·12	0·00	1·83
6·64	6·06	4·86	3·68	2·57	1·72	1·50	0·84	0·48	0·23	0·05	0·00	0·10	1·90
7·09	6·71	5·11	3·45	2·21	1·62	1·28	0·80	0·42	0·19	0·05	0·00	0·08	2·03
8·19	7·25	5·65	3·96	2·47	1·76	1·27	0·95	0·69	0·29	0·18	0·24	0·10	2·45
6·72	6·00	4·71	3·56	2·20	1·21	0·72	0·67	0·52	0·41	0·22	0·20	0·00	2·04
6·06	5·56	4·46	3·17	1·71	0·80	0·24	0·19	0·20	0·06	0·02	0·02	0·00	1·70
6·28	5·79	4·76	3·41	2·06	1·21	0·83	0·36	0·37	0·20	0·20	0·08	0·00	1·95
6·56	5·81	4·79	3·31	2·09	1·10	0·67	0·60	0·26	0·30	0·00	0·08	0·08	2·07
6·76	5·53	3·89	2·29	1·76	1·10	0·63	0·52	0·44	0·12	0·04	0·00	0·15	2·00
7·26	6·14	4·42	2·98	2·11	1·78	1·49	0·80	0·46	0·18	0·00	0·01	0·10	2·15
5·88	5·02	4·00	2·83	1·89	1·33	0·90	0·51	0·26	0·11	0·02	0·03	0·00	1·77
78·98	69·97	54·63	38·47	25·10	16·89	12·06	7·79	4·86	2·59	0·97	0·81	0·70	23·68
6·58	5·83	4·55	3·21	2·10	1·41	1·01	0·65	0·41	0·22	0·08	0·07	0·06	1·97
6·52	5·76	4·49	3·15	2·04	1·35	0·95	0·59	0·35	0·16	0·02	0·01	0·00	1·91

during the three Years of 1843, 1844, 1845.

6·33	5·59	4·31	2·92	1·88	1·23	0·87	0·55	0·36	0·19	0·02	0·01	0·00	1·81
6·22	5·50	4·29	3·05	1·94	1·31	0·89	0·54	0·31	0·08	0·00	0·02	0·02	1·84
7·02	6·20	4·87	3·48	2·23	1·52	1·10	0·68	0·24	0·24	0·08	0·02	0·00	2·08
19·57	17·29	13·47	9·45	6·05	4·06	2·86	1·77	0·91	0·51	0·10	0·05	0·02	5·73
6·52	5·76	4·49	3·15	2·02	1·35	0·95	0·59	0·30	0·17	0·03	0·02	0·01	1·91
6·51	5·75	4·48	3·14	2·01	1·34	0·94	0·58	0·29	0·16	0·02	0·01	0·00	1·90

Observatory Bifilar and the Portable Bifilar at Singapore, Eastern Archipelago.

8′·29	7′·11	5′·48	4′·20	3′·72	2′·45	1′·90	0′·41	0′·00	0′·37	0′·86	.....	.....	3′·54
8·88	7·69	6·18	4·15	3·07	2·18	1·45	0·32	0·00	0·02	0·18	.....	.....	3·03

TABLE B.

Observatory at Moulmein.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Noon.	1.
					k=·000415987 × cot 60°=·0002402.						
					q =·0002402.						Bifilar Magnetometer.
Sums	352·2	348·8	347·2	343·2	350·1	364·2	361·2	343·7	340·9	348·5	378·4
Means of 7 days ...	50·31	49·83	49·60	49·03	50·01	52·03	51·60	49·10	48·70	49·79	54·06
Temp. corrections ...	−0·73	−0·55	−0·05	0·00	−2·23	−8·34	−12·21	−16·61	−20·41	−23·64	−25·07
Corrected means ...	49·58	49·28	49·55	49·03	47·78	43·69	39·39	32·49	28·29	26·15	28·99
Oscillations & diffs. .	0·00	0·30	0·03	0·55	1·80	5·89	10·19	17·09	21·29	23·43	20·59
$\frac{\delta X}{X}$	0·00	·00007	·00001	·00013	·00043	·00141	·00245	·00410	·00511	·00563	·00495
											Thermometer of Bifilar.
Sums	536·1	534·9	531·4	531·0	547·3	589·4	616·5	647·3	673·9	696·5	706·5
Means of 7 days ...	76·59	76·41	75·91	75·86	78·19	84·20	88·07	92·47	96·27	99·50	100·93
Differences & corrs..	−0·73	−0·55	−0·05	0·00	−2·23	−8·34	−12·21	−16·61	−20·41	−23·64	−25·07

Observatory at Madras.—Hourly observations

					k=·000415987 × cot 60°=·0002402.						
					q =·0002402.						Bifilar Magnetometer.
Sums	664·2	649·9	631·4	611·8	592·4	601·7	579·6	574 5	602·4	662·9	768·5
Means of 34 days ...	19·54	19·11	18·57	17·99	17·42	17·70	17·05	16·90	17·72	19·50	22·60
Temp. corrections ...	−1·27	−0·82	−0·39	0·00	−1·10	−4·43	−8·23	−10·90	−13·32	−15·28	−16·54
Corrected means ...	18·27	18·29	18·18	17·99	16·32	13·27	8·82	6·00	4·40	4·22	6·06
Oscillations & diffs. .	0·28	0·26	0·37	0·56	2·23	5·28	9·73	12·55	14·15	14·33	12·49
$\frac{\delta X}{X}$	·00007	·00006	·00009	·00013	·00053	·00127	·00234	·00301	·00340	·00344	·00300
											Thermometer of Bifilar.
Sums	2685·9	2670·8	2656·2	2642·7	2680·3	2793·5	2922·6	3013·4	3095·7	3162·5	3205·2
Means of 34 days ...	79·00	78·55	78·12	77·73	78·83	82·16	'85·96	88·63	91·05	93·01	94·27
Differences & corrs..	−1·27	−0·82	−0·39	0·00	−1·10	−4·43	−8·23	−10·90	−13·32	−15·28	−16·54

TABLE B.

made during the Month of April, 1849.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8·1186. Zero from the 14th to the 21st. Scale Divisions 51·72. Thermometer 80°·0.													
	386·7	390·0	394·0	397·5	375·1	350·4	352·3	354·5	6878·9	362·0			
	55·24	55·71	56·29	56·79	53·59	50·06	50·33	50·64	982·71	51·72	−8·1	43·6	+ ·001946
	−26·50	−24·68	−22·47	−19·58	−12·31	−7·15	−5·30	−4·12					
	28·74	31·03	33·82	37·21	41·28	42·91	45·03	46·52					
	20·84	18·55	15·76	12·37	8·30	6·67	4·55	3·06					
	·00501	·00446	·00379	·00297	·00199	·00160	·00109	·00073					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	716·5	703·8	688·3	668·1	617·2	581·1	568·1	559·8	11713·7	616·9			
	102·36	100·54	98·33	95·44	88·17	83·01	81·16	79·98	1673·39	88·07	−8·1		
	−26·50	−24·68	−22·47	−19·58	−12·31	−7·15	−5·30	−4·12					

made during the Month of August and September, 1849.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8·0784. Zero from the 14th to the 21st. Scale Divisions 21·04. Thermometer 80°.													
	862·2	878·7	886·1	842·4	817·2	795·9	792·1	776·7	13590·6	715·2			
	25·36	25·84	26·06	24·78	24·04	23·41	23·30	22·85	399·74	21·04	−5·6	15·44	+ ·001345
	−16·19	−14·70	−13·15	−10·74	−7·91	−5·83	−4·91	−4·30					
	9·17	11·14	12·91	14·04	16·13	17·58	18·39	18·55					
	9·38	7·41	5·64	4·51	2·42	0·97	0·16	0·00					
	·00225	·00178	·00135	·00108	·00058	·00023	·00004	0·00					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	3193·4	3142·5	3089·9	3008·0	2911·8	2841·2	2809·8	2789·0	55314·4	2911·0			
	93·92	92·43	90·88	88·47	85·64	83·56	82·64	82·03	1626·88	85·63	−5·6		
	−16·19	−14·70	−13·15	−10·74	−7·91	−5·83	−4·91	−4·30					

TABLE B.

Observatory at Car Nicobar.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
					k=·000415987 × cot 60°=·0002402.						
					q =·0002402.						Bifilar Magnetometer.
Sums	458·8	457·9	456·1	454·1	460·3	463·8	462·0	456·5	458·6	457·9	455·4
Means of 5 days ...	91·76	91·58	91·22	90·82	92·06	92·76	92·40	91·30	91·72	91·58	91·08
Temp. corrections ...	0·00	−0·18	−0·40	−0·68	−1·08	−4·50	−8·04	−11·50	−13·70	−14·30	−15·02
Corrected means ...	91·76	91·40	90·82	90·14	90·98	88·26	84·36	79·80	78·02	77·28	76·06
Oscillations & diffs. .	+2·50	2·86	3·44	4·12	3·28	6·00	9·90	14·46	16·24	16·98	18·20
$\frac{\delta X}{X}$	·00060	·00069	·00083	·00099	·00079	·00144	·00238	·00347	·00390	·00408	·00437
											Thermometer of Bifilar.
Sums	365·3	366·2	367·3	368·7	370·7	387·8	405·5	422·8	433·8	436·8	440·4
Means of 5 days ...	73·06	73·24	73·46	73·74	74·14	77·56	81·10	84·56	86·76	87·36	88·08
Differences & corrs..	0·00	−0·18	−0·40	−0·68	−1·08	−4·50	−8·04	−11·50	−13·70	−14·30	−15·02

Observatory at Samboanga.—Hourly observations

					k=·000415987 × cot 60°=·0002402.						
					q =·0002402.						Bifilar Magnetometer.
Sums	787·0	786·0	785·7	781·0	790·9	813·5	817·4	808·1	792·1	792·3	800·4
Means of 6 days ...	131·17	131·00	130·95	130·17	131·82	135·58	136·23	134·68	132·02	132·05	133·40
Temp. corrections ...	−0·34	−0·15	−0·20	0·00	−3·52	−9·22	−11·95	−13·42	−12·44	−13·79	−14·99
Corrected means ...	130·83	130·85	130·75	130·17	128·30	126·36	124·28	121·26	119·58	118·26	118·41
Oscillations & diffs. .	0·02	0·00	0·10	0·68	2·55	4·49	6·57	9·59	11·27	12·59	12·44
$\frac{\delta X}{X}$	·00001	0·00	·00002	·00016	·00061	·00108	·00158	·00230	·00271	·00302	·00299
											Thermometer of Bifilar.
Sums	446·2	445·1	445·4	444·2	465·3	499·5	515·9	524·7	518·8	526·9	534·1
Means of 6 days ...	74·37	74·18	74·23	74·03	77·55	83·25	85·98	87·45	86·47	87·82	89·02
Differences & corrs..	−0·34	−0·15	−0·20	0·00	−3·52	−9·22	−11·95	−13·42	−12·44	−13·79	−14·99

TABLE B.

during the Month of February, 1849.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8·1555. Zero from the 6th to the 10th. Scale Divisions 94·52. Thermometer 80°.													
	470·6	494·6	500·1	502·9	496·7	493·6	490·7	489·0	8979·6	472·6			
	94·12	98·92	100·02	100·58	99·34	98·72	98·14	97·80	1795·92	94·52	−0·6	93·92	+·000144
	−13·84	−12·98	−12·82	−11·64	−8·44	−5·94	−4·68	−3·54					
	80·28	85·94	87·20	88·94	90·90	92·78	93·46	94·26					
	13·98	8·32	7·06	5·32	3·36	1·48	0·80	0·00					
	·00336	·00200	·00170	·00128	·00081	·00036	·00019	0·00					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$													
	434·5	430·2	429·4	423·5	407·5	395·0	388·7	383·0	7657·1	403·1			
	86·90	86·04	85·88	84·70	81·50	79·00	77·74	76·60	1531·42	80·60	−0·6		
	−13·84	−12·98	−18·82	−11·64	−8·44	−5·94	−4·68	−3·54					

made during the Month of May, 1848.

X=8·162. Zero from the 25th to the 31st. Scale Divisions 134·62. Thermometer 80°.													
	819·9	836·6	843·4	837·1	822·5	818·7	812·1	801·5	15346·2	807·7			
	136·65	139·43	140·57	139·52	137·08	136·45	135·35	133·58	2557·70	134·62	−2·48	132·14	+·000596
	−15·37	−14·59	−13·25	−10·94	−8·65	−7·05	−5·92	−4·70					
	121·28	124·84	127·32	128·58	128·43	129·40	129·43	128·88					
	9·57	6·01	3·53	2·27	2·42	1·45	1·42	1·97					
	·00230	·00144	·00085	·00054	·00058	·00035	·00034	·00047					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$													
	536·4	531·7	523·7	509·8	496·1	486·5	479·7	472·4	9402·4	494 9			
	89·40	88·62	87·28	84·97	82·68	81·08	79·95	78·73	1567·06	82·48	−2·48		
	−15·37	−14·59	−13·25	−10·94	−8·65	−7·05	−5·92	−4·70					

TABLE B.

Observatory at Penang.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
					k=·000415987 × cot 60°=·0002402. q =·0002402.						Bifilar Magnetometer.
Sums	423·3	421·3	419·1	415·8	414·4	401·2	399·2	401·9	401·0	423·5	433·7
Means of 5 days ...	84·66	84·26	83·82	83·16	82·88	80·24	79·84	80·38	80·20	84·70	86·74
Temp. corrections ...	−1·22	−0·96	0·00	0·00	−0·96	−2·82	−6·64	−10·30	−12·94	−13·76	−12·62
Corrected means ...	83·44	83·30	83·82	83·16	81·92	77·42	73·20	70·08	67·26	70·94	74·12
Oscillations & diffs. .	0·38	0·52	0·00	0·66	1·90	6·40	10·62	13·74	16·56	12·88	9·70
$\frac{\delta X}{X}$	·00009	·00012	0·000	·00016	·00046	·00154	·00255	·00330	·00398	·00309	·00233
											Thermometer of Bifilar.
Sums	381·1	379·8	375·0	375·0	379·8	389·1	408·2	426·5	439·7	443·8	438·1
Means of 5 days ...	76·22	75·96	75·00	75·00	75·96	77·82	81·64	85·30	87·94	88·76	87·62
Differences & corrs. .	−1·22	−0·96	0·00	0·00	−0·96	−2·82	−6·64	−10·30	−12·94	−13·76	−12·62

Observatory at Pulo Dinding.—Hourly observations

					k=·000415987 × cot 60°=·0002402. q =·0002402.						Bifilar Magnetometer.
Sums	168·4	166·4	165·5	162·9	159·9	161·6	166·3	172·0	177·8	182·3	191·5
Means of 2 days ...	84·20	83·20	82·75	81·45	79·95	80·80	83·15	86·00	88·90	91·15	95·75
Temp. corrections ...	−1·90	−1·10	−0·85	0·00	−0·20	−3·85	−9·30	−15·05	−19·15	−20·60	−21·20
Corrected means ...	82·30	82·10	81·90	81·45	79·75	76·95	73·85	70·95	69·75	70·55	74·55
Oscillations & diffs. .	0·00	0·20	0·40	0·85	2·55	5·35	8·45	11·35	12·35	11·75	7·75
$\frac{\delta X}{X}$	0·00	·00005	·00009	·00020	·00061	·00128	·00203	·00273	·00301	·00282	·00186
											Thermometer of Bifilar.
Sums	150·8	149·2	148·7	147·0	147·4	154·7	165·6	177·1	185·3	188·2	189·4
Means of 2 days ...	75·40	74·60	74·35	73·50	73·70	77·35	82·80	88·55	92·65	94·10	94·70
Differences & corrs. .	−1·90	−1·10	−0·85	0·00	−0·20	−3·85	−9·30	−15·05	−19·15	−20·60	−21·20

TABLE B.

made during the Month of January, 1849.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8·159. Zero from the 22nd to the 26th. Scale Divisions 84·85. Thermometer 80°.													
	448·1	461·1	449·5	442·6	435·3	427·9	423·1	418·5	8060·5	424·2			
	89·62	92·22	89·90	88·52	87·06	85·58	84·62	83·70	1612·10	84·85	−1·42	83·43	+ ·000341
	−11·02	−11·64	−9·92	−8·34	−6·68	−4·86	−3·94	−3·36					
	78·60	80·58	79·98	80·18	80·38	80·72	80·68	80·34					
	5·22	3·24	3·84	3·64	3·44	3·10	3·14	3·48					
	·00125	·00078	·00092	·00087	·00081	·00074	·00075	·00084					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	430·1	433·2	424·6	416·7	408·4	399·3	394·7	391·8	7734·9	407·2			
	86·02	86·64	84·92	83·34	81·68	79·86	78·94	78·36	1546·98	81·42	−1·42		
	−11·02	−11·64	−9·92	−8·34	−6·68	−4·86	−3·94	−3·36					

made during the Month of January, 1849.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8·117. Zero from the 12th to the 13th. Scale Divisions 87·30. Thermometer 80°.													
	193·5	192·4	187·2	181·2	174·3	172·3	172·4	169·5	3317·4	174·6			
	96·75	96·20	93·60	90·60	87·15	86·15	86·20	84·75	1658·70	87·30	−2·55	84·75	+ ·000613
	−19·30	−16·95	−12·65	−9·75	−7·00	−5·05	−4·15	−3·95					
	77·45	79·25	80·95	80·85	80·15	81·10	82·05	80·80					
	4·85	3·05	1·35	1·45	2·15	1·20	0·25	1·50					
	·00116	·00073	·00032	·00035	·00052	·00029	·00006	·00036					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	185·6	180·9	172·3	166·5	161·0	157·1	155·3	154·9	3137·0	165·1			
	92·80	90·45	86·15	83·25	80·50	78·55	77·65	77·45	1568·50	82·25	−2·55		
	−19·30	−16·95	−12·65	−9·75	−7·00	−5·05	−4·15	−3·95					

TABLE B.

Observatory at Keemah.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
					k=·000415987 × cot 60°=·0002402. q =·0002402.						Bifilar Magnetometer.
Sums	587·5	583·7	581·3	573·4	578·4	556·5	629·8	636·8	588·6	602·8	644·8
Means of 10 days ...	58·75	58·37	58·13	57·34	57·84	61·83	62·98	63·68	65·40	66·98	64·48
Temp. corrections ...	−0·70	−0·44	−0·29	0·00	−1·91	−8·13	−11·62	−14·27	−17·00	−18·72	−15·17
Corrected means ...	58·05	57·93	57·84	57·34	55·93	53·70	51·36	49·41	48·40	48·26	49·31
Oscillations & diffs. .	0·00	0·12	0·21	0·71	2·12	4·35	6·69	8·64	9·65	9·79	8·74
$\frac{\delta X}{X}$	0·00	·00003	·00005	·00017	·00051	·00104	·00161	·00208	·00232	·00235	·00210
											Thermometer of Bifilar.
Sums	734·6	732·0	730·5	727·6	746·7	728·0	843·8	870·3	807·8	823·3	879·3
Means of 10 days ...	73·46	73·20	73·05	72·76	74·67	80·89	84·38	87·03	89·76	91·48	87·93
Differences & corrs. .	−0·70	−0·44	−0·29	0·00	−1·91	−8·13	−11·62	−14·27	−17·00	−18·72	−15·17

Observatory at Sarawak.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
						k=·000415987 × cot 60°=·0002402. q =·0002402.							Bifilar Magnetometer.
Sums	2177·1	2166·3	2157·2	2145·2	2139·6	2130·4	2111·7	2085·4	2079·0	2093·8	2133·6	2179·1	2230·5
Means of 26 days ...	83·73	83·32	82·97	82·51	82·29	81·94	81·22	80·21	79·96	80·53	82·06	83·81	85·79
Temp. corrections ...	−1·50	−1·28	−1·03	−0·77	−0·47	−0·25	0·00	−0·02	−1·08	−3·25	−5·62	−7·58	−9·07
Corrected means ...	82·23	82·04	81·94	81·74	81·82	81·69	81·22	80·19	78·88	77·28	76·44	76·23	76·72
Oscillations & diffs. .	0·49	0·68	0·78	0·98	0·90	1·03	1·50	2·53	3·84	5·44	6·28	6·49	6·00
$\frac{\delta X}{X}$	·00012	·00016	·00019	·00023	·00022	·00025	·00036	·00061	·00092	·00131	·00151	·00156	·00144
													Thermometer of Bifilar.
Sums	2012·5	2006·7	2000·2	1993·4	1985·7	1979·9	1973·4	1973·8	2001·6	2057·9	2119·5	2170·4	2209·3
Means of 26 days ...	77·40	77·18	76·93	76·67	76·37	76·15	75·90	75·92	76·98	79·15	81·52	83·48	84·97
Differences & corrs. .	−1·50	−1·28	−1·03	−0·77	−0·47	−0·25	0·00	−0·02	−1·08	−3·25	−5·62	−7·58	−9·07

TABLE B.

made during the Months of June and July, 1848.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8·253. Zero from the 21st to the 1st. Scale Divisions 61·86. Thermometer 80°.													
	629·2	635·7	646·9	642·7	630·4	615·7	606·6	596·1	11566·9	617·9			
	62·92	63·57	64·69	64·27	63·04	61·57	60·66	59·61	1176·11	61·86	−0·74	61·12	+ ·000178
	−12·70	−11·31	−10·60	−8·94	−7·04	−5·82	−4·87	−4·05					
	50·22	52·26	54·09	55·33	56·00	55·75	55·79	55·56					
	7·83	5·79	3·96	2·72	2·05	2·30	2·26	2·49					
	·00188	·00139	·00095	·00065	·00049	·00055	·00054	·00060					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	854·6	840·7	833·6	817·0	798·0	785·8	776·3	768·1	15098·0	807·2			
	85·46	84·07	83·36	81·70	79·80	78·58	77·63	76·81	1536·02	80·74	−0·74		
	−12·70	−11·31	−10·60	−8·94	−7·04	−5·82	−4·87	−4·05					

made during the Month of June, 1846.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Temp. Corrs.	Corr. Means.	$\frac{\delta X}{X}$.
X=8·186. Zero from the 1st to the 30th. Scale Divisions 84·58. Thermometer 80°.																
	2275·2	2311·7	2328·6	2331·4	2326·8	2289·7	2249·9	2231·3	2215·4	2200·9	2189·0	52778·8	2199·3			
	87·51	88·91	89·56	89·67	89·49	88·07	86·53	85·82	85·21	84·65	84·19	2029·95	84·58	+0·15	84·73	− ·000036
	−9·74	−9·85	−9·12	−8·16	−7·09	−5·37	−3·96	−3·10	−2·52	−2·16	−1·79					
	77·77	79·06	80·44	81·51	82·40	82·70	82·57	82·72	82·69	82·49	82·40					
	4·95	3·66	2·28	1·21	0·32	0·02	0·15	0·00	0·03	0·23	0·32					
	·00119	·00088	·00055	·00029	·00008	·00001	·00004	0·00	·00001	·00005	·00008					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$																
	2226·6	2229·5	2210·5	2185·5	2157·8	2113·0	2076·4	2053·9	2038·8	2029·6	2020·0	49825·9	2075·9			
	85·64	85·75	85·02	84·06	82·99	81·27	79·86	79·00	78·42	78·06	77·69	1916·38	79·85	+0·15		
	−9·74	−9·85	−9·12	−8·16	−7·09	−5·37	−3·96	−3·10	−2·52	−2·16	−1·79					

TABLE B.

Observatory at Sarawak.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
						$\frac{q}{k}$ = ·000415987 × cot 60° = ·0002402. = ·0002402. Bifilar Magnetometer.							
Sums	2351·3	2333·3	2318·5	2310·1	2303·6	2293·2	2274·6	2247·7	2223·9	2237·4	2260·5	2302·4	2360·5
Means of 27 days ...	87·09	86·42	85·87	85·56	85·32	84·93	84·24	83·25	82·37	82·87	83·72	85·27	87·43
Temp. corrections ...	−1·77	−1·43	−1·11	−0·78	−0·61	−0·53	−0·20	0·00	−0·87	−2·84	−4·78	−6·52	−8·15
Corrected means ...	85·32	84·99	84·76	84·78	84·71	84·40	84·04	83·25	81·50	80·03	78·94	78·75	79·28
Oscillations & diffs. .	0·51	0·84	1·07	1·05	1·12	1·43	1·79	2·58	4·33	5·80	6·89	7·08	6·55
$\frac{\delta X}{X}$	·00012	·00020	·00026	·00025	·00027	·00034	·00043	·00062	·00104	·00139	·00165	·00170	·00157
						Thermometer of Bifilar.							
Sums	2082·4	2073·2	2064·8	2055·8	2051·3	2049·1	2040·2	2034·6	2058·2	2111·3	2163·8	2210·7	2254·8
Means of 27 days ...	77·13	76·79	76·47	76·14	75·97	75·89	75·56	75·36	76·23	78·20	80·14	81·88	83·51
Differences & corrs. .	−1·77	−1·43	−1·11	−0·78	−0·61	−0·53	−0·20	0·00	−0·87	−2·84	−4·78	−6·52	−8·15

Observatory at Sarawak.—Hourly observations

						$\frac{k}{q}$ = ·000415987 × cot 60° = ·0002402. = ·0002402. Bifilar Magnetometer.							
Sums	1709·9	1705·6	1694·5	1686·8	1676·4	1670·7	1659·8	1645·8	1643·5	1651·3	1681·0	1711·4	1751·0
Means of 19 days ...	89·99	89·77	89·18	88·78	88·23	87·93	87·36	86·62	86·50	86·91	88·47	90·07	92·16
Temp. corrections ...	−1·64	−1·38	−1·05	−0·76	−0·58	−0·38	−0·10	0·00	−0·95	−3·22	−5·47	−7·25	−9·05
Corrected means ...	88·35	88·39	88·13	88·02	87·65	87·55	87·26	86·62	85·55	83·69	83·00	82·82	83·11
Oscillations & diffs.	0·55	0·51	0·77	0·88	1·25	1·35	1·64	2·28	3·35	5·21	5·90	6·08	5·79
$\frac{\delta X}{X}$	·00013	·00012	·00018	·00021	·00030	·00032	·00039	·00055	·00080	·00125	·00142	·00146	·00139
						Thermometer of Bifilar.							
Sums	1455·8	1450·9	1444·6	1439·0	1435·7	1431·8	1426·6	1424·6	1442·6	1485·8	1528·5	1562·4	1596·6
Means of 19 days ...	76·62	76·36	76·03	75·74	75·56	75·36	75·08	74·98	75·93	78·20	80·45	82·23	84·03
Differences & corrs. .	−1·64	−1·38	−1·05	−0·76	−0·58	−0·38	−0·10	0·00	−0·95	−3·22	−5·47	−7·25	−9·05

TABLE B.

made during the Month of July, 1846.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Temp. Corrs.	Corr. Means.	$\frac{\delta X}{X}$.
Zero from the 1st to the 31st. Scale Divisions 87·26. Thermometer 80°.																
	2417·5	2454·1	2483·2	2496·5	2479·1	2474·3	2419·6	2398·3	2379·4	2368·6	2355·7	56543·3	2355·7			
	89·54	90·89	91·97	92·46	91·82	91·64	89·61	88·83	88·13	87·73	87·25	2094·21	87·26	+0·82	88·08	−·000197
	−8·87	−9·23	−8·63	−8·14	−7·20	−5·81	−3·98	−3·20	-2·74	−2·35	−1·98					
	80·67	81·66	83·34	84·32	84·62	85·83	85·63	85·63	85·39	85·38	85·27					
	5·06	4·17	2·49	1·51	1·21	0·00	0·20	0·20	0·44	0·45	0·56					
	·00124	·00100	·00060	·00036	·00029	0·00	·00005	·00005	·00011	·00011	·00013					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$																
	2274·2	2284·0	2267·7	2254·4	2229·1	2191·6	2142·3	2121·2	2108·8	2098·1	2088·1	51309·7	2137·9			
	84·23	84·59	83·99	83·50	82·56	81·17	79·34	78·56	78·10	77·71	77·34	1900·36	79·18	+0·82		
	−8·87	−9·23	−8·63	−8·14	−7·20	−5·81	−3·98	−3·20	−2·74	−2·35	−1·98					

made during the Month of August, 1846.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Temp. Corrs.	Corr. Means.	$\frac{\delta X}{X}$.
Zero from the 1st to the 22nd. Scale Divisions 90·83. Thermometer 80°.																
	1793·5	1816·0	1831·9	1818·8	1805·8	1789·9	1655·0	1645·5	1645·2	1641·5	1632·0	40963·7	1725·3			
	94·39	95·63	76·42	95·73	95·04	94·21	91·94	91·42	91·40	91·19	90·67	2180·01	90·83	+0·91	91·74	−·000219
	−10·41	−10·71	−10·21	−8·41	−7·20	−5·85	−3·75	−2·99	−2·53	−2·29	−1·99					
	83·98	84·92	86·21	87·32	87·84	88·36	88·19	88·43	88·87	88·90	88·68					
	4·92	3·98	1·69	1·58	1·06	0·54	0·71	0·47	0·03	0·00	0·22					
	·00118	·00095	·00041	·00038	·00040	·00013	·00017	·00011	·00001	0·00	·00005					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$																
	1622·4	1628·1	1618·6	1584·5	1561·5	1535·8	1417·1	1403·5	1395·2	1390·8	1385·4	35667·8	1503·1			
	85·39	85·69	85·19	83·39	82·18	80·83	78·73	77·97	77·51	77·27	76·97	1897·69	79·09	+0·91		
	−10·41	−10·71	−10·21	−8·41	−7·20	−5·85	−3·75	−2·99	−2·53	−2·29	−1·99					

TABLE B.

Observatory at Pulo Peesang.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
					k=·000415987 × cot 60°=·0002402.						
					q =·0002402.						Bifilar Magnetometer.
Sums	.....	.....	270·0	340·9	340·4	344·5	351·5	369·6	386·8	389·8	398·1
Means of 5 days ...	.....	.....	67·50	68·18	68·08	68·90	70·30	73·92	77·36	77·96	79·62
Temp. corrections ...	.....	... ..	−2·35	0·00	−1·14	−3·52	−7·94	−12·44	−15·04	−14·78	−14·60
Corrected means ...	.....	.....	65·15	68·18	66·94	65·38	62·36	61·48	62·32	63·18	65·02
Oscillations & diffs. .	.....	.....	3·23	0·20	1·44	3·00	6·02	6·90	6·06	5·20	3·36
$\frac{\delta X}{X}$	.....	.....	·00078	·00005	·00035	·00072	·00145	·00166	·00146	·00125	·00081
											Thermometer of Bifilar.
Sums	.....	.....	310·9	376·9	382·6	394·5	416·6	439·1	452·1	450·8	449·9
Means of 5 days ...	.....	.....	77·73	75·38	76·52	78·90	83·32	87·82	90·42	90·16	89·98
Differences & corrs..	.....	.....	−2·35	0·00	−1·14	−3·52	−7·94	−12·44	−15·04	−14·78	−14·60

Observatory at Singapore.—Hourly observations

					k=·000415987 × cot 60°=·0002402.						
					q =·0002402.						Bifilar Magnetometer No. I.
Sums	1881·6	1880·9	1879·6	1872·1	1899·2	1900·5	1928·7	1942·2	1967·2	1992·3	2002·5
Means of 16 days ...	117·60	117·56	117·48	117·01	118·70	118·78	120·54	121·39	122·95	124·52	125·16
Temp. corrections ...	−0·59	−0·42	−0·09	0·00	−1·64	−3·97	−6·37	−8·45	−9·62	−9·99	−9·50
Corrected means ...	117·01	117·14	117·39	117·01	117·06	114·81	114·17	112·94	113·33	114·53	115·66
Oscillations & diffs. .	2·41	2·28	2·03	2·41	2·36	4·61	5·25	6·48	6·09	4·89	3·76
$\frac{\delta X}{X}$	·00058	·00055	·00049	·00058	·00057	·00111	·00126	·00156	·00146	·00117	·00090
											Thermometer of Bifilar No. I.
Sums	1207·6	1204·9	1199·6	1198·2	1224·4	1261·7	1300·2	1333·5	1352·1	1358·1	1350·2
Means of 16 days ...	75·48	75·31	74·98	74·89	76·53	78·86	81·26	83·34	84·51	84·88	84·39
Differences & corrs..	−0·59	−0·42	−0·09	0·00	−1·64	−3·97	−6·37	−8·45	−9·62	−9·99	−9·50

TABLE B.

Month of January, 1846.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=8·092. Zero from the 18th to the 22nd. Scale Divisions 72·18. Thermometer 80°.													
	388·8	373·2	366·2	289·3	345·9	342·5	279·6	211·8	5918·6	360·2			
	77·76	74·64	73·24	72·33	69·18	68·50	69·90	70·60	1292·82	72·18	−2·17	70·01	+ ·000521
	−11·42	−8·12	−7·08	−5·07	−2·98	−2·50	−3·00	−2·22					
	66·34	66·52	66·16	67·26	66·20	66·00	66·90	68·38					
	2·04	1·86	2·22	1·12	2·18	2·38	1·48	0·00					
	·00049	·00045	·00053	·00027	·00052	·00057	·00035	0·000					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	434·0	417·5	412·3	321·8	391·8	389·4	313·5	232·8	6738·3	410·8			
	86·80	83·50	82·46	80·45	78·36	77·88	78·38	77·60	1471·56	82·17	−2·17		
	−11·42	−8·12	−7·08	−5·07	−2·98	−2·50	−3·00	−2·22					

Month of November, 1848.

	2014·3	2004·5	2001·6	1999·9	1986·7	1975·9	1956·4	1946·0	37032·1	1949·0			
X=8·115. Zero from the 13th to the 30th. Scale Divisions 121·82. Thermometer 80°.													
	125·89	125·28	125·10	124·99	124·17	123·49	122·28	121·63	2314·52	121·82	−0·07	121·75	+ ·000017
	−9·08	−8·39	−7·84	−7·14	−5·06	−4·07	−3·33	−2·99					
	116·81	116·89	117·26	117·85	119·11	119·42	118·95	118·64					
	2·81	2·53	2·16	1·57	0·31	0·00	0·47	0·78					
	·00063	·00061	·00052	·00038	·00007	0·00	·00011	·00019					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	1343·5	1332·4	1323·7	1312·5	1279·2	1263·3	1251·5	1246·0	24342·6	1281·1			
	83·97	83·28	82·73	82·03	79·95	78·96	78·22	77·88	1521·45	80·07	−0·07		
	−9·08	−8·39	−7·84	−7·14	−5·06	−4·07	−3·33	−2·99					

TABLE B.

Observatory at Singapore.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
				k=·0003136 × cot 58° 10′ 30″=·0001969. q =·000214.							Bifilar Magnetometer No. II.
Sums	513·2	515·3	517·7	509·5	503·1	454·7	435·6	402·3	411·1	442·4	465·5
Means of 16 days	32·08	32·21	32·36	31·84	31·44	28·42	27·23	25·14	25·70	27·65	29·09
Temp. corrections	−0·63	−0·40	−0·37	−0·25	0·00	−0·07	−0·38	−0·93	−1·43	−1·70	−2·01
Corrected Means	31·45	31·81	31·99	31·59	31·44	28·37	26·85	24·21	24·27	25·95	27·08
Oscillations & diffs.	1·95	1·59	1·41	1·81	1·96	5·03	6·55	9·19	9·13	7·45	6·32
$\frac{\delta X}{X}$	·00038	·00031	·00028	·00036	·00039	·00099	·00129	·00181	·00180	·00147	·00124
											Thermometer of Bifilar No. II.
Sums	1276·6	1273·2	1272·6	1271·0	1267·3	1268·3	1273·0	1281·1	1288·4	1292·4	1297·0
Means of 16 days	79·79	79·58	79·54	79·44	79·21	79·27	79·56	80·07	80·53	80·78	81·06
Differences	−0·58	−0·37	−0·34	−0·23	0·00	−0·06	−0·35	−0·86	−1·32	−1·57	−1·85
Corrections	−0·63	−0·40	−0·37	−0·25	0·00	−0·07	−0·38	−0·93	−1·43	−1·70	−2·01

Observatory at Singapore.—Hourly observations

				k=·000415987 × cot 60°=·0002402. q =·0002402.							Bifilar Magnetometer No. I.
Sums	1696·8	1690·6	1685·1	1674·8	1685·2	1732·5	1755·5	1755·4	1769·1	1782·7	1795·6
Means of 14 days	121·20	120·76	120·36	119·63	120·37	123·75	125·39	125·39	126·36	127·34	128·26
Temp. corrections	−0·95	−0·57	−0·10	−0·00	−1·61	−5·50	−8·50	−9·84	−10·97	−11·50	−11·26
Corrected Means	120·25	120·19	120·26	119·63	118·76	118·25	116·89	115·55	115·39	115·84	117·00
Oscillations & diffs.	0·65	0·71	0·64	1·27	2·14	2·65	4·01	5·35	5·51	5·06	3·90
$\frac{\delta X}{X}$	·00016	·00017	·00015	·00030	·00051	·00064	·00096	·00128	·00132	·00122	·00094
											Thermometer of Bifilar No. I.
Sums	1055·4	1050·2	1043·5	1042·2	1064·7	1119·1	1161·1	1179·9	1195·8	1203·2	1199·8
Means of 14 days	75·39	75·01	74·54	74·44	76·05	79·94	82·94	84·28	85·41	85·94	85·70
Correction & differs.	−0·95	−0·57	−0·10	0·00	−1·61	−5·50	−8·50	−9·84	−10·97	−11·50	−11·26

TABLE B.

made during the Month of November, 1848.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
Zero from the 13th to the 30th. Scale Divisions 30·91. Thermometer 80°.													
	501·8	513·3	518·4	529·4	549·1	557·6	547·7	535·6	9423·3	496·2			
	31·36	32·08	32·40	33·09	34·32	34·85	34·23	33·48	586·76	30·91	−0·24	30·67	+·000047
	−2·13	−2·03	−1·88	−1·77	−1·52	−1·45	−1·16	−0·74					
	29·23	30·05	30·52	31·32	32·80	33·40	33·07	32·74					
	4·17	3·35	2·88	2·08	0·60	0·00	0·37	0·66					
	·00082	·00066	·00057	·00041	·00012	0·00	·00007	·00013					
$\frac{q}{k}=\frac{·000214}{·000197}=1·086.$													
	1298·7	1297·2	1295·0	1293·4	1289·8	1288·7	1284·5	1278·3	24386·5	1283·4			
	81·17	81·08	80·94	80·84	80·61	80·54	80·28	79·89	1524·18	80·22	−0·22		
	−1·96	−1·87	−1·73	−1·63	−1·40	−1·33	−1·07	−0·68					
	−2·13	−2·03	−1·88	−1·77	−1·52	−1·45	−1·16	−0·74					

made during the Month of December, 1848.

Zero from the 1st to the 16th. Scale Divisions 124·90. Thermometer 80°.													
	1792·0	1807·3	1809·0	1788·1	1767·0	1755·1	1746·1	1735·4	33223·3	1748·8			
	128·00	129·09	129·21	127·72	126·21	125·36	124·72	123·96	2373·08	124·90	−0·61	124·29	+·000146
	−10·37	−10·87	−9·58	−7·92	−5·78	−4·46	−3·89	−3·49					
	117·63	118·22	119·63	119·80	120·63	120·90	120·83	120·47					
	3·27	2·68	1·27	1·10	0·27	0·00	0·07	0·43					
	·00078	·00064	·00030	·00026	·00006	0·00	·00002	·00010					
$\frac{q}{k}=\frac{·0002402}{·0002402}=1.$													
	1187·4	1194·3	1176·3	1153·1	1123·1	1104·6	1096·6	1091·0	21441·3	1128·4			
	84·81	85·31	84·02	82·36	80·22	78·90	78·33	77·93	1531·52	80·61	−0·61		
	−10·37	−10·87	−9·58	−7·92	−5·78	−4·46	−3·89	−3·49					

TABLE B.

Observatory at Singapore.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
				k=·0003136 × cot 58° 10′ 30″=·0001969. q =·000214.							Bifilar Magnetometer No. II.
Sums	387·2	384·8	384·5	376·8	340·5	342·0	317·7	293·5	293·8	306·7	333·1
Means of 14 days	27·66	27·49	27·46	26·91	26·19	24·43	22·69	20·96	20·99	21·91	23·79
Temp. corrections	−0·61	−0·58	−0·46	−0·24	0·00	−0·14	−0·62	−1·19	−1·59	−2·00	−2·21
Corrected means	27·05	26·91	27·00	26·67	26·19	24·29	22·07	19·77	19·40	19·91	21·58
Oscillations & diffs.	0·00	0·14	0·05	0·38	0·86	2·76	4·98	7·28	7·65	7·14	5·47
$\frac{\delta X}{X}$	0·00	·00003	·00001	·00007	·00017	·00054	·00098	·00143	·00151	·00141	·00108
											Thermometer of Bifilar No. II.
Sums	1110·0	1109·7	1108·2	1105·3	1102·2	1104·1	1110·2	1117·5	1122·6	1128·1	1130·7
Means of 14 days	79·29	79·26	79·16	78·95	78·73	78·86	79·30	79·82	80·19	80·58	80·76
Differences	−0·56	−0·53	−0·43	−0·22	0·00	−0·13	−0·57	−1·09	−1·46	−1·85	−2·03
Corrections	−0·61	−0·58	−0·46	−0·24	0·00	−0·14	−0·62	−1·19	−1·59	−2·00	−2·21

Observatory at Carimon Island.—Hourly observations

					k=·000415987 × cot 60°=·0002402. q =·0002402.						Bifilar Magnetometer.
Sums	.....	.....	442·4	525·5	533·9	541·0	548·1	557·5	577·0	597·4	602·3
Means of 6 days	.....	.....	88·48	87·58	88·98	90·17	91·35	92·92	96·17	99·57	100·38
Temp. corrections	.....	.....	−0·29	0·00	−2·80	−5·77	−9·02	−10·92	−13·88	−13·88	−13·95
Corrected means	.....	.....	88·19	87·58	86·18	84·40	82·33	82·00	82·29	85·69	86·43
Oscillations & diffs.	.....	.....	0·46	1·07	2·47	4·25	6·32	6·65	6·36	2·96	2·22
$\frac{\delta X}{X}$	.....	.....	·00011	·00026	·00059	·00102	·00152	·00160	·00153	·00071	·00053
											Thermometer of Bifilar.
Sums	.....	.....	384·2	459·3	476·1	493·9	513·4	524·8	542·6	542·6	543·0
Means of 6 days	.....	.....	76·84	76·55	79·35	82·32	85·57	87·47	90·43	90·43	90·50
Differences & corrs.	.....	.....	0·29	0·00	−2·80	−5·77	−9·02	−10·92	−13·88	−13·88	−13·95

TABLE B.

made during the Month of December, 1848.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$
Zero from the 1st to the 16th. Scale Divisions 25·9. Thermometer 80°.													
	355·0	372·1	388·6	393·6	397·5	401·5	397·1	393·2	6859·2	362·3			
	25·36	26·58	27·76	28·11	28·39	28·68	28·36	28·09	491·81	25·88	+0·13	26·01	−·000026
	−2·17	−2·20	−2·20	−1·99	−1·66	−1·93	−1·31	−1·04					
	23·19	24·38	25·56	26·12	26·73	26·75	27·05	27·05					
	3·86	2·67	1·49	0·93	0·32	0·32	0·00	0·00					
	·00076	·00052	·00029	·00018	·00006	·00006	0·00	0·00					
$\frac{q}{k}=\frac{\cdot000214}{\cdot000197}=1\cdot1$.													
	1130·2	1130·7	1130·7	1127·9	1123·7	1121·5	1119·1	1115·7	21248·1	1118·4			
	80·73	80·76	80·76	80·56	80·26	80·11	79·94	79·69	1517·71	79·88	+0·12		
	−2·00	−2·03	−2·03	−1·83	−1·53	−1·78	−1·21	−0·96					
	−2·17	−2·20	−2·20	−1·99	−1·66	−1·93	−1·31	1·04					

made during the Month of January, 1846.

X=8·077. Zero from the 26th to the 31st. Scale Divisions 94·67. Thermometer 80°.													
	611·6	606·9	598·9	584·6	565·0	553·4	548·3	8993·8	568·0				
	101·93	101·15	99·82	97·43	94·17	92·23	91·38	1513·71	94·67	−4·7	90·0	+·001122	
	−14·18	−12·72	−11·17	−9·05	−5·85	−3·72	−2·77						
	87·75	88·43	88·65	88·38	88·32	88·51	88·61						
	0·90	0·22	0·00	0·27	0·33	0·14	0·04						
	·00022	·00005	0·00	·00006	·00008	·00003	·00001						
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1$.													
	544·4	535·6	526·3	513·6	494·4	481·6	475·9	8051·7	508·7				
	90·73	89·27	87·72	85·60	82·40	80·27	79·32	1354·77	84·75				
	−14·18	−12·72	−11·17	−9·05	−5·85	−3·72	−2·77						

TABLE B.

Observatory at Pulo Booaya.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
					k=·000415987 × cot 60°=·0002402. q =·0002402.						Bifilar Magnetometer.
Sums	.....	.....	237·4	235·5	231·6	233·0	230·3	233·4	239·7	250·7	335·8
Means of 3 & 4 days	.....	.....	79·13	78·50	77·20	77·67	76·77	77·80	79·90	83·57	83·95
Temp. corrections ...	.....	.....	0·00	−0·24	−0·60	−2·67	−3·67	−4·87	−5·64	−7·10	−5·87
Corrected means ...	.....	.....	79·13	78·26	76·60	75·00	73·10	72·93	74·26	76·47	78·08
Oscillations & diffs.	.....	.....	2·28	3·15	4·81	6·41	8·31	8·48	7·15	4·94	3·33
$\frac{\delta X}{X}$	.....	.....	·00055	·00076	·00116	·00154	·00200	·00204	·00172	·00119	·00080
											Thermometer of Bifilar.
Sums	.....	.....	240·4	241·1	242·2	248·4	251·4	255·0	257·3	261·7	344·0
Means of 3 & 4 days	.....	.....	80·13	80·37	80·73	82·80	83·80	85·00	85·77	87·23	86·00
Differences & corrs...	.....	.....	0·00	−0·24	−0·60	−2·67	−3·67	−4·87	−5·64	−7·10	−5·87

Observatory at Padang.—Hourly observations

					k=·000416 × cot 60°=·0002402. q =·0002402.						Bifilar Magnetometer.
Sums	1302·8	1302·6	1304·2	1195·6	1309·3	1340·8	1369·4	1386·2	1390·3	1413·6	1444·0
Means of 3 & 4 days	100·22	100·20	100·31	99·63	100·72	103·13	105·34	106·63	106·95	108·74	111·08
Temp. corrections ...	0·58	0·36	0·14	0·00	2·03	6·44	10·77	14·24	15·76	17·10	17·31
Corrected means ...	99·64	99·84	100·17	99·63	98·69	96·69	94·57	92·39	91·19	91·64	93·77
Oscillations & diffs.	3·81	3·61	3·28	3·82	4·76	6·76	8·88	11·06	12·26	11·81	9·68
$\frac{\delta X}{X}$	·00091	·00087	·00079	·00092	·00114	·00162	·00213	·00266	·00294	·00289	·00233
											Thermometer of Bifilar.
Sums	948·8	945·7	942·9	868·7	967·5	1024·8	1081·1	1126·2	1145·9	1163·4	1166·1
Means of 13 days ...	72·97	72·75	72·53	72·39	74·42	78·83	83·16	86·63	88·15	89·49	89·70
Differences & corrs.	0·58	0·36	0·14	0·00	2·03	6·44	10·77	14·24	15·76	17·10	17·31

TABLE B.

made during the Month of February 1846.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$
Zero from the 6th to the 9th. Scale Divisions 81·81. Thermometer 80°.													
	342·7	350·1	351·9	341·0	331·3	331·0	247·2	.....	4522·6	330·1			
	85·68	87·53	87·98	85·25	82·83	82·75	82·40	.....	1308·91	81·81	−4·01	77·80	+ ·000963
	−7·07	−8·12	−6·57	−4·59	−2·22	−1·77	−1·07	.....					
	78·61	79·41	81·41	80·66	80·61	80·98	81·33	.....					
	2·80	2·00	0·00	0·75	0·80	0·43	0·08	.. ...					
	·00067	·00048	0·00	·00018	·00019	·00010	·00002	.....					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	348·8	353·0	346·8	338·9	329·4	327·6	162·4	.....	.....	4548·4	337·6		
	87·20	88·25	86·70	84·72	82·35	81·90	81·20	.....	.....	1344·15	84·01	−4·01	
	−7·07	−8·12	−6·57	−4·59	−2·22	−1·77	−1·07	.....	.....				

made during the Month of October, 1847.

	1476·8	1473·1	1482·8	1444·3	138·50	1389·2	1393·7	1376·4	26180·1	1383·5			
X=7·962. Zero from the 16th to the 31st. Scale Divisions 106·42. Thermometer 80°.													
	113·60	113·32	114·06	111·10	106·54	106·86	107·21	105·88	2021·52	106·42	−0·72	105·70	+ ·000173
	16·78	14·13	12·73	9·84	6·83	5·02	3·76	2·89					
	96·82	99·19	101·33	101·26	99·71	101·84	103·45	102·99					
	6·63	4·26	2·12	2·19	3·74	1·61	0·00	0·46					
	·00159	·00102	·00051	·00053	·00090	·00039	0·00	·00011					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	1159·2	1137·8	1106·5	1069·0	1029·8	1006·3	989·9	978·7	19858·3	1049·3			
	89·17	87·52	85·12	82·23	79·22	77·41	76·15	75·28	1533·12	80·72			
	16·78	14·13	12·73	9·84	6·83	5·02	3·76	2·89					

TABLE B.

Observatory at Padang.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
					k=·000416 × cot 60°=·0002402. q =·0002402.						Bifilar Magnetometer.
Sums	2525·1	2624·7	2516·4	2608·9	2629·1	2705·4	2785·3	2825·2	2891·2	2941·9	2975·4
Means of 26 days ...	101·00	100·95	100·66	100·34	101·12	104·05	107·13	108·66	111·20	113·15	114·44
Temp. corrections ...	0·27	0·09	0·00	0·11	2·25	6·47	11·06	13·19	15·31	16·62	16·85
Corrected means ...	100·73	100·86	100·66	100·23	98·87	97·58	96·07	95·47	95·89	96·53	97·59
Oscillations & diffs.	1·02	0·89	1·09	1·52	2·88	4·17	5·68	6·28	5·86	5·22	4·16
$\frac{\delta X}{X}$	·00024	·00021	·00026	·00036	·00069	·00100	·00136	·00151	·00141	·00125	·00100
											Thermometer of Bifilar.
Sums	1828·5	1897·0	1821·7	1897·4	1953·1	2062·8	2182·2	2237·6	2292·7	2326·7	2332·7
Means of 26 days ...	73·14	72·96	72·87	72·98	75·12	79·34	83·93	86·06	88·18	89·49	89·72
Differences & corrs..	0·27	0·09	0·00	0·11	2·25	6·47	11·06	13·19	15·31	16·62	16·85

Observatory at Padang.—Hourly observations

					k=·000415987 × cot 60°=·0002402. q =·0002402.						Bifilar Magnetometer.
Sums	2814·5	2794·7	2774·5	2768·6	2766·1	2821·2	2927·7	2994·3	3045·4	3116·6	3162·0
Means of 26 days ...	108·25	107·49	106·71	106·48	106·39	108·51	112·60	115·17	117·13	119·87	121·62
Temp. corrections ...	0·61	0·22	0·00	0·01	1·03	4·71	9·49	13·36	15·61	17·95	18·63
Corrected means ...	107·64	107·27	106·71	106·47	105·36	103·80	103·11	101·81	101·52	101·92	102·99
Oscillations & diffs.	0·00	0·37	0·93	1·17	2·28	3·84	4·53	5·83	6·12	5·72	4·65
$\frac{\delta X}{X}$	·000	·00009	·00022	·00028	·00055	·00092	·00109	·00140	·00147	·00137	·00112
											Thermometer of Bifilar.
Sums	1914·9	1904·8	1899·1	1899·2	1925·9	2021·6	2145·8	2246·3	2304·8	2365·7	2383·5
Means of 26 days ...	73·65	73·26	73·04	73·05	74·07	77·75	82·53	86·40	88·65	90·99	91·67
Differences & corrs..	0·61	0·22	0·00	0·01	1·03	4·71	9·49	13·36	15·61	17·95	18·63

TABLE B.

made during the Month of November, 1847.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
Zero from the 1st to the 30th. Scale Divisions 107·32. Thermometer 80°.													
	2977·4	2935·2	2927·8	2877·8	2811·4	2774·6	2747·5	2721·0	52801·3	2790·0			
	114·52	112·89	112·61	110·68	108·13	106·72	105·67	104·65	2038·57	107·32	−0·93	106·39	+ ·000223
	15·64	14·10	12·08	9·67	6·79	5·16	3·92	2·96					
	98·88	98·79	100·53	101·01	101·34	101·56	101·75	101·69					
	2·87	2·96	1·22	0·74	0·41	0·19	0·00	0·06					
	·00069	·00071	·00029	·00018	·00010	·00004	·0000	·0000					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$													
	2301·3	2261·3	2208·8	2146·1	2071·2	2028·9	1996·7	1971·6	39818·3	2104·1			
	88·51	86·97	84·95	82·54	79·66	78·03	76·79	75·83	1537·07	80·93	−0·93		
	15·64	14·10	12·08	9·67	6·79	5·16	3·92	2·96					

made during the Month of December, 1847.

Zero from the 16th to the 31st, 113·24. Thermometer 80°.													
	3162·7	3128·9	3070·3	3021·5	2958·6	2898·9	2875·2	2839·6	55941·3	2944·2			
	121·64	120·34	118·09	116·21	113·79	111·50	110·58	109·22	2151·59	113·24	−1·10	112·14	+ ·000264
	17·46	15·09	12·09	9·87	6·73	4·46	3·36	2·36					
	104·18	105·25	106·00	106·34	107·06	107·04	107·22	106·86					
	3·46	2·41	1·64	1·30	0·58	0·60	0·42	0·78					
	·00085	·00058	·00039	·00031	·00014	·00014	·00010	·00019					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$													
	2353·0	2291·5	2213·5	2155·7	2074·1	2015·1	1986·5	1960·3	40061·3	2108·4			
	90·50	88·13	85·13	82·91	79·77	77·50	76·40	75·40	1540·80	81·10	−1·10		
	17·46	15·09	12·09	9·87	6·73	4·46	3·36	2·36					

TABLE B.

Observatory at Padang.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
					k=·00015987 × cot 60°=·0002402.						
					q =·0002402.						Bifilar Magnetometer.
Sums	1667·1	1668·8	1665·0	1656·4	1659·9	1693·8	1726·2	1751·1	1780·8	1808·1	1849·4
Means of 13 days ...	128·24	128·37	128·08	127·42	127·68	130·29	132·78	134·70	136·98	139·08	142·26
Temp. corrections ...	0·55	0·33	0·08	0·00	0·81	4·51	9·14	12·36	14·66	16·25	18·22
Corrected means ...	127·69	128·04	128·00	127·42	126·87	125·78	123·64	122·34	122·32	122·83	124·04
Oscillations & diffs. .	2·35	2·00	2·04	2·62	3·17	4·26	6·40	7·70	7·72	7·21	6·00
$\frac{\delta X}{X}$	·00056	·00048	·00049	·00063	·00076	·00102	·00154	·00185	·00185	·00173	·00144
											Thermometer of Bifilar.
Sums	957·8	955·0	951·7	950·7	961·2	1009·3	1069·5	1111·4	1141·3	1162·0	1187·5
Means of 13 days ...	73·68	73·46	73·21	73·13	73·94	77·64	82·27	85·49	87·79	89·38	91·35
Differences & corrs. .	0·55	0·33	0·08	0·00	0·81	4·51	9·14	12·36	14·66	16·25	18·22

Observatory at Bencoolen.—Hourly observations

					k=·000415987 × cot 60°=·0002402.						
					q =·0002402.						Bifilar Magnetometer.
Sums	395·8	394·8	394·4	393·7	232·2	403·8	410·7	417·8	422·3	428·1	435·6
Means of 5 days ...	79·16	78·96	78·88	78·74	77·40	80·76	82·14	83·56	84·46	85·62	87·12
Temp. corrections ...	−0·42	−0·22	−0·04	0·00	−2·03	−5·10	−8·28	−11·18	−12·34	−13·28	−12·78
Corrected means ...	78·74	78·74	78·84	78·74	75·37	75·66	73·86	72·38	72·12	72·34	74·34
Oscillations & diffs. .	1·30	1·30	1·20	1·30	4·67	4·38	6·18	7·66	7·92	7·70	5·70
$\frac{\delta X}{X}$	·00031	·00031	·00029	·00031	·00112	·00105	·00148	·00183	·00190	·00185	·00137
											Thermometer of Bifilar.
Sums	367·3	366·3	365·4	365·2	225·2	390·7	406·6	421·1	426·9	431·6	429·1
Means of 5 days ...	73·46	73·26	73·08	73·04	75·07	78·14	81·32	84·22	85·38	86·32	85·82
Differences & corrs. .	−0·42	−0·22	−0·04	0·00	−2·03	−5·10	−8·28	−11·18	−12·34	−13·28	−12·78

TABLE B.

made during the Month of January, 1848.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
X=7·9456. Zero from the 16th to the 31st. Scale Divisions 134·80. Thermometer 80°.													
	1861·6	1858·8	1841·4	1817·5	1776·0	1751·2	1736·1	1727·7	33296·9	1752·6			
	143·20	142·98	141·65	139·81	136·62	134·71	133·55	132·90	2561·30	134·80	−1·21	133·59	+ ·000291
	17·47	15·23	13·26	10·94	7·76	5·35	3·75	2·86					
	125·73	127·75	128·39	128·87	128·86	129·36	129·80	130·04					
	4·31	2·29	1·65	1·17	1·18	0·68	0·24	0·00					
	·00103	·00055	·00040	·00028	·00028	·00016	·00006	0·00					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$													
	1177·8	1148·7	1123·1	1092·9	1051·6	1020·2	999·4	987·9	20059·0	1055·9			
	90·60	88·36	86·39	84·07	80·89	78·48	76·88	75·99	1543·00	81·21			
	17·47	15·23	13·26	10·94	7·76	5·35	3·75	2·86					

made during the Months of August and September, 1847.

Zero from the 31st to the 4th. Scale Divisions 83·08. Thermometer 80°.													
	429·8	431·0	436·7	431·0	422·8	417·8	414·9	413·3	7726·5	415·7			
	85·96	86·20	87·34	86·20	84·56	83·56	82·98	82·66	1576·26	83·08	+0·54	83·62	− ·000130
	−10·82	−9·16	−9·66	−8·28	−6·06	−4·66	−3·32	−2·62					
	75·14	77·04	77·68	77·92	78·50	78·90	79·66	80·04					
	4·90	3·00	2·36	2·12	1·54	1·14	0·38	0·00					
	·00118	·00072	·00057	·00075	·00037	·00027	·00009	0·00					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$													
	419·3	411·0	413·5	406·6	395·5	388·5	381·8	378·3	7389·9	397·3			
	83·86	82·20	82·70	81·32	79·10	77·70	76·36	75·66	1508·01	79·46	+0·54		
	−10·82	−9·16	−9·66	−8·28	−6·06	−4·66	−3·32	−2·62					

TABLE B.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
					k=·000415987 × cot 60°=·0002402.								
					q =·0002402. Bifilar Magnetometer.								
Sums	1544·3	1625·1	1612·0	1611·9	1605·8	1598·7	1587·5	1596·4	1619·1	1635·2	1658·3	1688·8	1713·3
Means of 19 days	85·79	85·53	84·84	84·84	84·52	84·14	83·55	84·02	85·22	86·06	87·28	88·88	90·17
Temp. corrections	−1·89	−1·45	−1·10	−0·69	−0·51	−0·35	0·00	−1·43	−3·90	−6·23	−8·29	−9·94	−10·83
Corrected means	83·90	84·08	83·74	84·15	84·01	83·79	83·55	82·59	81·32	79·83	78·99	78·94	79·34
Oscillations & diffs.	0·25	0·07	0·41	0·00	0·14	0·36	0·60	1·56	2·83	4·32	5·16	5·21	4·81
$\frac{\delta X}{X}$	·00006	·00002	·00009	0·00	·00003	·00009	·00014	·00037	·00068	·00104	·00124	·00125	·00115
					Thermometer of Bifilar.								
Sums	1392·9	1461·9	1455·2	1447·4	1444·0	1440·9	1434·4	1461·4	1508·5	1552·7	1591·9	1623·2	1640·0
Means of 19 days	77·38	76·94	76·59	76·18	76·00	75·84	75·49	76·92	79·39	81·72	83·78	85·43	86·32
Differences & corrs.	−1·89	−1·45	−1·10	−0·69	−0·51	−0·35	0·00	−1·43	−3·90	−6·23	−8·29	−9·94	−10·83

Observatory at Batavia.—Hourly observations

					k=·000415987 × cot 60°=·0002402.								
					q =·0002402. Bifilar Magnetometer.								
Sums	2159·8	2152·7	2145·5	2227·6	2218·2	2210·0	2202·2	2202·1	1636·8	1490·1	1520·7	1536·3	2350·0
Means of 25 days	86·39	86·11	85·82	85·68	85·32	85·00	84·70	84·70	86·15	87·65	89·45	90·37	90·38
Temp. corrections	−1·49	−1·18	−0·87	−0·57	−0·28	−0·13	0·00	−0·97	−3·43	−6·05	−8·39	−9·52	−9·19
Corrected means	84·90	84·93	84·95	85·11	85·04	84·87	84·70	83·73	82·72	81·60	81·06	80·85	81·19
Oscillations & diffs.	0·88	0·85	0·83	0·67	0·74	0·91	1·08	2·05	3·06	4·18	4·72	4·93	4·59
$\frac{\delta X}{X}$	·00021	·00020	·00020	·00016	·00018	·00022	·00026	·00049	·00073	·00100	·00113	·00120	·00110
					Thermometer of Bifilar.								
Sums	1927·1	1919·3	1911·6	1980·2	1972·7	1968·7	1965·3	1990·5	1501·4	1387·9	1427·7	1446·9	2204·4
Mean of 25 days	77·08	76·77	76·46	76·16	75·87	75·72	75·59	76·56	79·02	81·64	83·98	85·11	84·78
Differences & corrs.	−1·49	−1·18	−0·87	−0·57	−0·28	−0·13	0·00	−0·97	−3·43	−6·05	−8·39	−9·52	−9·19

TABLE B.

made during the Month of November, 1846.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Temp. Corrs	Corr. Means.	$\frac{\delta X}{X}$.
Zero from the 9th to the 30th. Scale Divisions 87·33. Thermometer 80°.																
	1729·1	1739·1	1741·1	1736·1	1721·8	1696·6	1674·3	1658·0	1650·7	1647·8	1642·3	39733·3	1659·0			
	91·00	91·53	91·64	91·37	90·62	89·29	88·12	87·26	86·88	86·73	86·44	2095·72	87·33	−0·32	87·01	+ ·000077
	−10·65	−10·59	−9·69	−8·63	−7·19	−5·54	−4·57	−3·81	−3·19	−2·81	−2·46					
	80·35	80·94	81·95	82·74	83·43	83·75	83·55	83·45	83·69	83·92	83·98					
	3·80	3·21	2·20	1·41	0·72	0·40	0·60	0·70	0·46	0·23	0·17					
	·00091	·00077	·00053	·00034	·00017	·00009	·00014	·00017	·00011	·00005	·00004					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$																
	1636·7	1635·5	1618·5	1598·2	1570·9	1539·6	1521·2	1506·7	1495·0	1487·7	1481·1	36545·5	1525·8			
	86·14	86·08	85·18	84·12	82·68	81·03	80·06	79·30	78·68	78·30	77·95	1927·50	80·32	−0·32		
	−10·65	−10·59	−9·69	−8·63	−7·19	−5·54	−4·57	−3·81	−3·19	−2·81	−2·46					

made during the Month of December, 1846.

Zero from the 1st to the 31st. Scale Divisions 88·44. Thermometer 80°.																
	2387·3	2409·7	2420·5	2415·8	2384·5	2254·8	2237·1	1690·4	1326·8	1316·0	1308·2	48203·1	2299·2			
	91·82	92·68	93·10	92·92	91·71	90·19	89·48	88·97	88·45	87·73	87·21	2121·98	88·44	+0·12	88·56	− ·000030
	−9·51	−9·41	−8·88	−8·18	−6·49	−4·76	−3·88	−3·19	−2·74	−2·40	−1·87					
	82·31	83·27	84·22	84·74	85·22	85·43	85·60	85·78	85·71	85·33	85·34					
	3·47	2·51	1·56	1·04	0·56	0·35	0·18	0·00	0·07	0·45	0·44					
	·00083	·00060	·00037	·00025	·00013	·00008	·00004	0·00	·00002	·00011	·00011					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$																
	2212·7	2209·9	2196·1	2178·1	2134·1	2008·8	1986·7	1496·8	1174·9	1169·9	1161·9	43533·6	2075·8			
	85·10	85·00	84·47	83·77	82·08	80·35	79·47	78·78	78·33	77·99	77·46	1917·54	79·88	+0·12		
	−9·51	−9·41	−8·88	−8·18	−6·49	−4·76	−3·88	−3·19	−2·74	−2·40	−1·87					

TABLE B.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
						k=·000415987 × cot 60°=·0002402.							
						q =·0002402.							Bifilar Magnetometer.
Sums	1657·2	1651·3	1637·4	2254·8	2242·8	2230·7	2221·1	2218·7	2237·1	2251·1	2259·7	2278·2	2316·3
Means of 25 days ...	92·07	91·74	90·97	90·19	89·71	89·23	88·84	88·75	89·48	90·04	90·39	91·13	92·65
Temp. corrections ...	−2·71	−2·19	−1·59	−0·93	−0·63	−0·30	0·00	−0·82	−1·68	−4·82	−6·53	−7·86	−8·38
Corrected means ...	89·36	89·55	89·38	89·26	89·08	88·93	88·84	87·93	87·80	85·22	83·86	83·27	84·27
Oscillations & diffs. .	0·45	0·26	0·43	0·55	0·73	0·88	0·97	1·88	2·01	4·59	5·95	6·54	5·54
$\frac{\delta X}{X}$	·00011	·00006	·00010	·00013	·00017	·00021	·00023	·00045	·00048	·00088	·00143	·00157	·00133
													Thermometer of Bifilar.
Sums	1398·8	1389·4	1378·6	1898·3	1890·7	1882·5	1874·9	1895·5	1942·0	1995·4	2038·3	2071·5	2097·1
Means of 25 days ...	77·71	77·19	76·59	75·93	75·63	75·30	75·00	75·82	77·68	79·82	81·53	82·86	83·88
Differences & corrs. .	−2·71	−2·19	−1·59	0·93	0·63	0·30	0·00	0·82	1·68	4·82	6·53	7·86	8·38

Observatory at Batavia.—Hourly observations

						k=·000415987 × cot 60°=·0002402.							
						q =·0002402.							Bifilar Magnetometer.
Sums	1539·0	1535·8	1531·2	2297·9	2295·9	2287·6	2278·3	2274·9	2276·1	2291·4	2306·2	2323·4	2355·2
Means of 24 days ...	96·19	95·99	95·70	95·75	95·66	95·32	94·93	94·79	94·84	95·48	96·09	96·81	98·13
Temp. corrections ...	−1·33	−1·15	−0·89	−0·53	−0·34	−0·19	0·00	−0·36	−1·66	−3·81	−5·48	−6·84	−7·90
Corrected means ...	94·86	94·84	94·81	95·22	95·32	95·13	94·93	94·43	93·18	91·67	90·61	89·97	90·23
Oscillations & diffs.	1·38	1·40	1·43	1·02	0·92	1·11	1·31	1·81	3·06	4·57	5·63	6·27	6·01
$\frac{\delta X}{X}$	·00033	·00034	·00034	·00024	·00022	·00027	·00031	·00043	·00073	·00110	·00135	·00151	·00144
													Thermometer of Bifilar.
Sums	1235·5	1232·7	1228·5	1834·0	1829·4	1826·0	1821·4	1830·0	1861·2	1912·8	1952·8	1985·5	2011·0
Means of 24 days ...	77·22	77·04	76·78	76·42	76·23	76·08	75·89	76·25	77·55	79·70	81·37	82·73	83·79
Differences & corrs. .	−1·33	−1·15	−0·89	−0·53	−0·34	−0·19	0·00	−0·36	−1·66	−3·81	−5·48	−6·84	−7·90

TABLE B.

made during the Month of January, 1847.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
Zero from the 1st to the 30th. Scale Divisions 92·64. Thermometer 80°.																
	2359·4	2386·6	2419·9	2436·7	2432·0	2409·9	2378·8	1892·5	1696·5	1686·4	1675·3	51230·4	2313·9			+
	94·38	95·46	96·80	97·47	97·28	96·40	95·15	94·63	94·25	93·69	93·07	2223·77	92·64	−0·04	92·60	·000010
	−9·81	−9·97	−9·92	−9·48	−8·71	−7·20	−5·63	−5·04	−4·63	−3·88	−3·37					
	84·57	85·49	86·88	87·99	88·57	89·20	89·52	89·59	89·62	89·81	89·70					
	5·24	4·32	2·93	1·82	1·24	0·61	0·29	0·22	0·19	0·00	0·11					
	·00126	·00104	·00070	·00044	·00030	·00015	·00007	·00005	·00004	0·00	·00026					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$																
	2120·3	2124·2	2123·1	2112·1	2092·7	2054·9	2015·8	1600·9	1433·3	1419·8	1410·7	44260·8	1998·3			
	84·81	84·97	84·92	84·48	83·71	82·20	80·63	80·04	79·63	78·88	78·37	1917·58	80·04	−0·04		
	9·81	9·97	9·92	9·48	8·71	7·20	5·63	5·04	4·63	3·88	3·37					

made during the Month of February, 1847.

Zero from the 1st to the 28th. Scale Divisions 97·70. Thermometer 80°.																
	2385·1	2417·1	2431·4	2438·0	2424·1	2410·5	2395·0	2384·0	2273·8	1364·8	1360·8	51877·5	2348·0			−
	99·38	100·71	101·31	101·58	101·00	100·44	99·79	99·33	98·86	97·49	97·20	2342·77	97·70	+0·31	98·01	·000074
	−8·34	−8·52	−8·09	−6·97	−5·72	−4·73	−3·90	−3·09	−2·83	−2·56	−2·07					
	91·04	92·19	93·22	94·61	95·28	95·71	95·89	96·24	96·03	94·93	95·13					
	5·20	4·05	3·02	1·63	0·96	0·53	0·35	0·00	0·21	1·31	1·11					
	·00125	·00097	·00073	·00039	·00023	·00013	·00008	0·00	·00005	·00031	·00027					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$																
	2021·5	2025·9	2015·6	1988·7	1958·6	1934·9	1915·0	1895·5	1810·5	1098·3	1091·4	42316·7	1913·7			
	84·23	84·41	83·98	82·86	81·61	80·62	79·79	78·98	78·72	78·45	77·96	1908·66	79·69	+0·31		
	−8·34	−8·52	−8·09	−6·97	−5·72	−4·73	−3·90	−3·09	−2·83	−2·56	−2·07					

TABLE B.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
					k=000415987 × cot 60°=·0002402.						
					q =·0002402.						Bifilar Magnetometer.
Sums	2704·4	2688·8	2674·3	2663·6	2663·3	2665·2	2686·0	2706·6	2725·7	2739·0	2765·7
Means of 27 days ...	100·16	99·59	99·05	98·65	98·64	98·71	99·48	100·24	100·95	101·44	102·43
Temp. corrections ...	−1·00	−0·68	−0·23	−0·00	−0·58	−2·43	−4·67	−6·29	−7·55	−8·38	−8·69
Corrected means ...	99·16	98·91	98·82	98·65	98·06	96·28	94·81	93·95	93·40	93·06	93·74
Oscillations & diffs. .	0·00	0·25	0·34	0·51	1·10	2·88	4·35	5·21	5·76	6·10	5·42
$\frac{\delta X}{X}$	0·00	·00006	·00008	·00012	·00026	·00069	·00104	·00125	·00138	·00146	·00130
											Thermometer of Bifilar.
Sums	2092·9	2084·2	2072·0	2065·9	2081·3	2131·4	2191·9	2235·7	2269·6	2292·1	2300·4
Means of 27 days ...	77·51	77·19	76·74	76·51	77·09	78·94	81·18	82·80	84·06	84·89	85·20
Differences & corrs. .	−1·00	−0·68	−0·23	0·00	−0·58	−2·43	−4·67	−6·29	−7·55	−8·38	8·69

Observatory at Batavia.—Hourly observations

					k=·00041598 × cot 60°=·0002402.						
					q=						Bifilar Magnetometer.
											=·0002402.
Sums	2734·8	2718·2	2703·7	2680·4	2683·6	2704·3	2626·1	2751·2	2764·7	2804·5	2841·9
Means of 26 days ...	105·18	104·55	103·99	103·09	103·22	104·01	105·04	105·82	106·33	107·87	109·30
Temp. corrections ...	−1·37	−0·72	−0·22	0·00	−1·42	−3·59	−5·39	−8·33	−9·48	−10·20	−10·14
Corrected means ...	103·81	103·83	103·77	103·09	101·80	100·42	99·65	97·49	96·85	97·67	99·16
Oscillations & diffs. .	0·56	0·54	0·60	1·28	2·57	3·95	4·72	6·88	7·52	6·70	5·21
$\frac{\delta X}{X}$	·00013	·00013	·00014	·00031	·00062	·00095	·00113	·00165	·00181	·00161	·00125
											Thermometer of Bifilar.
Sums	2000·8	1983·8	1970·8	1965·0	2001·9	2058·4	2049·2	2181·7	2211·5	2230·2	2228·7
Means of 26 days ...	76·95	76·30	75·80	75·58	77·00	79·17	81·97	83·91	85·06	85·78	85·72
Differences & corrs. .	−1·37	−0·72	−0·22	0·00	−1·42	−3·59	−5·39	−8·33	−9·48	−10·20	−10·14

TABLE B.

made during the Month of March, 1847.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$
Zero from the 1st to the 31st. Scale Divisions 101·77. Thermometer 80°.													
	2811·5	2854·0	2866·6	2855·2	2816·7	2795·9	2780·5	2640·7	52103·7	2742·4			
	104·13	105·70	106·17	105·75	104·32	103·55	102·98	101·57	1933·51	101·77	−1·31	100·46	+ ·000315
	−8·93	−8·90	−8·35	−7·34	−5·56	−4·64	−3·87	−2·95					
	95·20	96·72	97·82	98·41	98·76	98·91	99·11	98·62					
	3·96	2·44	1·34	0·75	0·40	0·25	0·05	0·54					
	·00095	·00059	·00032	·00018	·00010	·00006	·00001	·00013					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	2306·8	2308·3	2291·3	2264·0	2215·9	2191·1	2170·3	2065·9	41631·0	2195·6			
	85·44	85·49	84·86	83·85	82·07	81·15	80·38	79·46	1544·81	81·31	−1·31		
	−8·93	−8·98	−8·35	−7·34	−5·56	−4·64	−3·87	−2·95					

made during the Month of April, 1847.

Zero from the 1st to the 30th. Scale Divisions 107·40. Thermometer 80°.													
	2888·2	2814·2	2930·7	2906·4	2212·4	2192·0	2164·1	2142·9	50264·3	2790·4			
	111·08	112·57	112·72	111·78	110·62	109·60	108·21	107·15	2042·13	107·40	−1·25	106·15	·000300
	−9·96	−9·48	−8·90	−7·70	−6·25	−5·27	−4·22	−3·52					
	101·12	103·09	103·82	104·08	104·37	104·33	103·99	103·63					
	3·25	1·28	0·55	0·29	0·00	0·04	0·38	0·74					
	·00078	·00031	·00013	·00007	·00024	·00001	·00009	·00018					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	2224·0	2126·4	2196·5	2165·3	1636·5	1616·9	1596·0	1581·9	38025·5	2112·9			
	85·54	85·06	84·48	83·28	81·83	80·85	79·80	79·10	1543·18	81·25	−1·25		
	−9·96	−9·48	−8·90	−7·70	−6·25	−5·27	−4·22	−3·52					

TABLE B.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
					k=·000415987 × cot 60°=·0002402.						
					q					=·0002402.	Bifilar Magnetometer.
Sums	2849·3	2831·1	2811·1	2792·1	2802·8	2840·4	2460·0	2926·6	2947·9	2987·0	3012·5
Means of 26 days ...	109·59	108·89	108·12	107·39	107·80	109·25	111·82	112·56	113·38	114·88	115·87
Temp. corrections ...	−1·47	−0·95	0·40	0·00	−1·43	−4·58	−8·43	−9·70	−11·12	−12·36	−11·96
Corrected means ...	108·12	107·94	107·72	107·39	106·37	104·67	103·39	102·86	102·26	102·52	103·91
Oscillations & diffs. .	−0·75	0·93	1·15	1·48	2·50	4·20	5·48	6·01	6·61	6·35	4·96
$\frac{\delta X}{X}$	·00018	·00022	·00028	·00035	·00060	·00101	·00132	·00144	·00159	·00152	·00119
											Thermometer of Bifilar.
Sums	1976·6	1963·0	1948·6	1938·3	1975·6	2057·5	1825·5	2190·6	2227·3	2259·7	2249·2
Means of 26 days ...	76·02	75·50	74·95	74·55	75·98	79·13	82·98	84·25	85·67	86·91	86·51
Differences & corrs..	−1·47	−0·95	−0·40	0·00	−1·43	−4·58	−8·43	−9·70	−11·12	−12·36	−11·96

Observatory at Batavia.—Hourly observations

					k=·000415987 × cot 60°=·0002402.						
					q					=·0002402.	Bifilar Magnetometer.
Sums	2953·1	2928·1	2897·6	2762·3	2785·6	2815·3	2418·3	2909·2	3059·5	3099·8	3120·4
Means of 26 days ...	113·58	112·62	111·45	110·49	111·42	112·61	115·16	116·37	117·67	119·22	120·02
Temp. corrections ...	−1·30	−0·68	−0·20	0·00	−1·82	−4·50	−8·37	−10·42	−11·89	−12·87	−12·90
Corrected means ...	112·28	111·94	111·25	110·49	109·60	108·11	106·79	105·95	105·78	106·35	107·12
Oscillations & diffs. .	0·00	0·34	1·03	1·79	2·68	4·17	5·49	6·33	6·50	5·93	5·16
$\frac{\delta X}{X}$	·00000	·00008	·00025	00043	·00064	·00100	·00132	·00152	·00156	·00142	·00124
											Thermometer of Bifilar.
Sums	1957·8	1941·8	1929·2	1850·0	1895·5	1962·6	1729·7	2110·5	2233·1	2258·7	2259·5
Means of 26 days ...	75·30	74·68	74·20	74·00	75·82	78·50	82·37	84·42	85·89	86·87	86·90
Differences & corrs..	−1·30	−0·68	−0·20	0·00	−1·82	−4·50	−8·37	−10·42	−11·89	−12·87	−12·90

TABLE B.

made during the Month of May, 1847.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
Zero from the 1st to the 31st. Scale Divisions 112·95. Thermometer 80°.													
	3031·2	2599·6	3076·7	3059·1	2898·7	2747·9	2727·1	2701·4	54102·5	2935·8			
	116·58	118·16	118·33	117·66	115·95	114·50	113·63	112·56	2146·92	112·95	−1·16	111·79	+ ·000279
	−11·05	−11·06	−10·41	−9·01	−7·08	−5·93	−5·05	−4·30					
	105·53	107·10	107·92	108·65	108·87	108·57	108·58	108·26					
	3·34	1·77	0·95	0·22	0·00	0·30	0·29	0·61					
	·00080	·00042	·00023	·00005	0·00	·00007	·00007	·00015					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	2225·5	1883·4	2208·9	2172·5	2040·8	1931·6	1910·4	1892·4	38877·4	2109·7			
	85·60	85·61	84·96	83·56	81·63	80·48	79·60	78·85	1542·74	81·16	−1·16		
	−11·05	−11·06	−10·41	−9·01	−7·08	−5·93	−5·05	−4·30					

made during the Month of June, 1847.

Zero from the 1st to the 30th. Scale Divisions 116·43. Thermometer 80°.													
	3030·1	2558·3	3028·4	2886·5	2729·9	2468·3	2446·4	2428·1	53325·2	3027·1			
	121·20	121·82	121·14	120·27	118·69	117·54	116·50	115·62	2213·39	116·43	−1·03	115·40	+ ·000247
	−12·59	−12·16	−10·78	−9·41	−7·17	−6·24	−5·46	−5·41					
	108·61	109·66	110·36	110·86	111·52	111·30	111·04	110·21					
	3·67	2·62	1·92	1·42	1·66	0·98	1·14	2·07					
	·00088	·00063	·00046	·00034	·00040	·00023	·00027	·00050					
$\frac{q}{k}=\frac{\cdot 0002402}{\cdot 0002402}=1.$													
	2164·7	1809·4	2119·5	2001·8	1866·8	1685·0	1668·7	1667·7	37112·0	2104·8			
	86·59	86·16	84·78	83·41	81·17	80·24	79·46	79·41	1540·17	81·03	−1·03		
	−12·59	−12·16	−10·78	−9·41	−7·17	−6·24	−5·46	−5·41					

TABLE B.

Observatory at Cocos Island.—Hourly observations made

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.	1.
					k=·000415987 × cot 60°=·0002402. q =·0002402. Bifilar Magnetometer.						
Sums	2152·6	2137·9	2130·3	2121·6	2091·7	2092·3	2103·7	2111·6	2124·5	2126·3	2154·3
Means of 27 days ...	79·73	79·18	78·90	78·58	77·47	77·49	77·91	78·21	78·69	78·75	79·79
Temp. corrections ...	−0·32	−0·16	−0·11	0·00	−0·42	−1·61	−3·31	−4·35	−5·62	−5·99	−5·93
Corrected means ...	79·41	79·02	78·79	78·58	77·05	75·88	74·60	73·86	73·07	72·76	73·86
Oscillations & diffs. .	0·98	1·37	1·60	1·81	3·34	4·51	5·79	6·53	7·32	7·63	6·53
$\frac{\delta X}{X}$	·00023	·00033	·00038	·00043	·00080	·00108	·00139	·00157	·00176	·00183	·00157
											Thermometer of Bifilar.
Sums	2079·6	2075·2	2073·9	2070·9	2082·3	2114·3	2160·2	2188·4	2222·6	2232·7	2231·1
Means of 27 days ...	77·02	76·86	76·81	76·70	77·12	78·31	80·01	81·05	82·32	82·69	82·63
Differences & corrs. .	−0·32	−0·16	−0·11	0·00	−0·42	−1·61	−3·31	−4·35	−5·62	−5·99	−5·93

TABLE B.

during the Months of August and September, 1848.

	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Temp. Corrs.	Corrected Means.	$\frac{\delta X}{X}$.
Zero from the 28th of August to the 27th of September. Scale Divisions 79·76. Thermometer 80°.													
	2179·2	2193·6	2204·5	2193·5	2183·1	2183·2	2192·5	2190·2	41872·4	2151·6			
	80·71	81·24	81·65	81·24	80·86	80·86	81·20	81·12	1513·58	79·76	+0·94	80·70	−·000226
	−5·10	−4·14	−3·28	−2·06	−1·20	−0·96	−0·83	−0·73					
	75·61	77·10	78·37	79·18	79·66	79·90	80·37	80·39					
	4·78	3·29	2·02	1·21	0·73	0·49	0·02	0·00					
	·00115	·00079	·00048	·00029	·00017	·00012	·00001	0·00					
$\frac{q}{k}=\frac{\cdot0002402}{\cdot0002402}=1.$													
	2208·5	2182·6	2159·4	2126·6	2103·4	2096·7	2093·3	2090·7	41513·7	2135·1			
	81·80	20·84	79·98	78·76	77·90	77·66	77·53	77·43	1503·42	79·07			
	−5·10	−4·14	−3·28	−2·06	−1·20	−0·96	−0·83	−0·73					

TABLE C.

Variation of the Dry Thermometer at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Moulmein	.....	.....	.....	0·5	0·2	0·0	0·1	2·9	10·5	14·2	18·8
Madras	.....	.....	.....	1·1	0·8	0·3	0·0	1·4	4·5	7·7	10·4
Nicobar	.....	.....	.....	0·0	0·6	0·8	0·9	2·0	6·6	9·0	12·8
Sambooanga	.....	.....	.....	0·2	0·1	0·3	0·0	4·7	9·6	10·8	11·2
Penang	.....	.....	.....	1·5	1·0	0·0	0·2	1·1	3·3	7·5	11·1
Pulo Dinding	.....	.....	.....	1·4	1·0	0·3	0·0	0·5	5·8	11·1	18·4
Sarawak	1·6	1·3	1·0	0·8	0·6	0·4	0·0	0·3	1·7	4·0	6·2
Keemah	.....	.....	.....	1·0	0·7	0·4	0·0	2·7	9·4	12 3	15·6
Pulo Peesang	.....	.....	.....	.....	0·8	0·0	0·2	1·0	2·0	5·0	9·2
Singapore	.....	.....	.....	1·3	1·1	0·9	0·3	0·0	0·8	2·0	5·5
Carimon	.....	.....	.....	.....	.....	0·6	0·0	2·4	5·5	8·0	9·8
Padang	.....	.....	.....	0·5	0·2	0·0	0·0	1·5	5·9	10·0	12·2
Bencoolen	.....	.....	.....	1·4	1·2	0·0	1·0	4·0	7·1	9·7	12·3
Batavia, Winter	1·8	1·5	1·1	0·7	0·4	0·2	0·0	1·2	3·4	5·8	7·6
Batavia, Spring	.....	.....	.....	1·4	0·9	0·3	0·0	1·2	4·1	7·6	9·6
Cocos	.....	.....	.....	0·4	0·3	0·3	0·0	0·4	1·7	3·5	4·8

Variation of the Dry Thermometer at

June .....1846...	1·5	1·1	0·8	0·6	0·4	0·4	0·0	0·5	2·0	4·3	6·7
July	1·8	1·5	1·2	0·9	0·7	0·6	0·0	0·3	1·6	3·8	5·7
August	1·6	1·3	1·0	0·8	0·6	0·3	0·0	0·2	1·5	4·0	6·1
Sums	4·9	3·9	3·0	2·3	1·7	1·3	0·0	1·0	5·1	12·1	18·5
Means and Variation...	1·6	1·3	1·0	0·8	0·6	0·4	0·0	0·3	1·7	4·0	6·2

Variation of the Dry Thermometer at

October .....1847...	.....	.....	.....	0·5	0·3	0·1	0·0	2·0	6·5	10·5	12·6
November	.....	.....	.....	0·5	0·2	0·0	0·0	1·9	6·5	10·1	12·1
December	.....	.....	.....	0·6	0·3	0·0	0·0	1·2	5·5	9·9	12·7
January .....1848...	.....	.....	.....	0·5	0·2	0·0	0·0	0·9	5·2	9·6	11·6
Sums	.....	.....	.....	2·1	1·0	0·1	0·0	6·0	23·7	40·1	49·0
Means and Variation...	.....	.....	.....	0·5	0·2	0·0	0·0	1·5	5·9	10·0	12·2

Variation of the Dry Thermometer at

November .....1848...	.....	.....	.....	1·1	0·9	0·8	0·5	0·0	0·6	1·6	2·4
December	.....	.....	.....	1·5	1·3	1·0	0·2	0·0	1·1	2·5	3·1
Sums	.....	.....	.....	2·7	2·2	1·8	0·7	0·0	1·7	4·1	5·5
Means and Variation...	.....	.....	.....	1·3	1·1	0·9	0·3	0·0	0·8	2·0	2·7

TABLE C.

various Stations in the Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
21·9	24·3	23·7	24·0	20·4	18·8	15·7	9·8	6·6	4·7	4·0	.....	.....	11·7
12·7	14·5	15·5	15·1	13·7	12·2	9·6	7·2	5·4	4·5	3·9	.....	.....	7·4
13·5	13·7	14·6	12·5	12·2	11·6	10·3	7·4	5·5	4·6	3·4	.....	.....	7·5
10·0	12·4	13·3	14·0	13·5	12·2	10·1	7·8	7·1	5·5	4·6	.....	.....	7·7
13·1	12·0	11·4	10·5	10·7	9·9	7·9	5·8	4·7	4·2	3·4	.....	.....	6·3
22·2	20·5	21·8	18·5	16·4	13·1	9·1	5·4	4·3	4·0	3·3	.....	.....	9·3
8·0	9·6	10·2	10·4	9·5	8·3	7·1	5·1	3·6	2·9	2·6	2·2	1·9	4·1
17·1	18·6	14·1	12·6	11·6	10·7	8·5	6·8	5·6	4·7	4·0	.....	.....	8·1
12·0	13·5	13·7	9·7	7·3	6·7	4·2	3·1	2·9	3·0	2·1	.....	.....	5·7
3·4	3·9	3·8	3·4	3·2	3·0	2·6	2·4	2·2	2·0	1·6	.....	.....	2·2
12·8	12·2	13·0	13·3	11·1	10·0	8·0	4·7	3·7	2·8	.....	.....	.....	7·4
14·0	15·5	16·0	15·1	13·3	11·1	8·7	6·1	4·6	3·4	2·6	.....	.....	7·4
12·9	13·6	13·0	11·3	10·0	10·5	8·7	6·2	5·1	4·3	3·6	.....	.....	7·3
8·9	9·6	9·8	10·0	9·5	8·6	7·0	5·3	4·4	3·7	2·8	2·9	2·3	4·6
10·9	11·8	11·8	11·3	11·0	10·2	8·6	6·6	5·5	4·7	4·0	.....	.....	6·4
6·4	6·7	5·9	5·0	3·8	2·8	1·8	1·2	1·0	1·1	0·9	.....	.....	2·5

Sarawak in Borneo, Eastern Archipelago.

8·5	9·9	10·4	10·2	9·2	8·3	7·0	4·7	3·7	3·0	2·5	2·1	1·8	
7·6	9·1	9·3	9·8	8·7	8·3	7·3	5·4	3·6	3·0	2·7	2·3	2·0	
8·0	9·7	11·0	11·1	10·5	8·2	7·1	5·3	3·5	2·8	2·5	2·2	1·9	
24·1	28·7	30·7	31·1	28·4	24·8	21·4	15·4	10·8	8·8	7·7	6·6	5·7	
8·0	9·6	10·2	10·4	9·5	8·3	7·1	5·1	3·6	2·9	2·6	2·2	1·9	4·1

Padang, Sumatra, Eastern Archipelago.

14·0	14·6	14·3	14·1	12·4	10·4	8·1	6·3	4·9	3·4	2·8	.....	.....	
13·8	15·3	15·2	14·0	12·3	10·7	8·5	6·2	4·9	3·9	3·0	.....	.....	
14·4	16·8	16·9	15·9	13·9	10·7	8·5	5·7	4·1	3·2	2·1	.....	.....	
13·9	15·4	17·6	16·3	14·5	12·5	9·9	6·2	4·7	3·2	2·4	.....	.....	
56·1	62·1	64·0	60·3	53·1	44·3	35·0	24·4	18·6	13·7	10·3	.....	.....	
14·0	15·5	16·0	15·1	13·3	11·1	8·7	6·1	4·6	3·4	2·6	.....	.....	7·4

Singapore, Eastern Archipelago.

3·2	3·5	3·5	3·4	3·0	2·7	2·4	2·3	2·1	1·8	1·4	.....	.....	2·0
3·7	4·3	4·2	3·5	3·5	3·4	2·8	2·5	2·4	2·2	1·9	.....	.....	2·4
6·9	7·8	7·7	6·9	6·5	6·1	5·2	4·8	4·5	4·0	3·3	.....	.....	4·4
3·4	3·9	3·8	3·4	3·2	3·0	2·6	2·4	2·2	2·0	1·6	.....	.....	2·2

TABLE C.

Variation of the Dry Thermometer at Batavia

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
November ...1846.....	1·9	1·5	1·2	0·8	0·6	0·4	0·0	1·9	4·4	7·1	9·2
December	1·7	1·3	1·0	0·7	0·3	0·1	0·0	1·3	3·9	6·7	8·9
January .....1847.....	2·5	2·0	1·4	0·9	0·5	0·2	0·0	1·1	3·3	5·2	6·7
February	1·3	1·1	0·7	0·5	0·4	0·2	0·0	0·5	1·9	4·1	5·6
Sums	7·4	5·9	4·3	2·9	1·8	0·9	0·0	4·8	13·5	23·1	30·4
Means and Variation...	1·8	1·5	1·1	0·7	0·4	0·2	0·0	1·2	3·4	5·8	7·6

Variation of the Dry Thermometer at Batavia

March .....1847.....	.....	.....	.....	1·2	0·7	0·2	0·0	0·7	2·7	5·1	6·9
April	.....	.....	.....	1·7	1·0	0·4	0·0	1·3	3·9	6·9	9·1
May	.....	.....	.....	1·5	1·0	0·4	0·0	1·4	5·0	9·2	10·7
June	.....	.....	.....	1·4	0·9	0·4	0·0	1·4	4·8	9·3	11·7
Sums	.....	.....	.....	5·8	3·6	1·4	0·0	4·8	16·4	30·5	38·4
Means and Variation...	.....	.....	.....	1·4	0·9	0·3	0·0	1·2	4·1	7·6	9·6

Variation of the Wet Thermometer at

Moulmein	.....	.....	.....	0·7	0·6	0·0	0·1	1·9	5·5	6·7	7·9
Madras	.....	.....	.....	1·3	0·9	0·4	0·0	0·9	1·6	1·9	3·1
Nicobar	.....	.....	.....	0·0	0·5	0·5	0·5	1·7	5·1	6·1	8·2
Sambooanga	.....	.....	.....	0·0	0·0	0·4	0·0	3·1	6·1	7·5	7·2
Penang	.....	.....	.....	1·3	1·0	0·3	0·2	0·0	2·6	5·5	7·8
Pulo Dinding	.....	.....	.....	1·5	0·8	0·4	0·0	1·0	3·6	7·3	10·0
Sarawak.....	1·3	1·1	0·8	0·6	0·5	0·3	0·0	0·3	1·3	2·7	3·5
Keemah	.....	.....	.....	1·1	0·9	0·6	0·0	2·6	6·0	8·1	9·9
Pulo Peesang	.....	.....	.....	.....	0·5	0·0	0·1	0·8	1·3	3·0	5·0
Singapore	.....	.....	.....	0·9	0·8	0·7	0·2	0·0	0·4	1·0	1·3
Carimon.....	.....	.....	.....	.....	.....	0·1	0·0	1·4	2·7	3·7	4·1
Padang	.....	.....	.....	0·5	0·3	0·1	0·0	1·2	3·8	6·2	6·8
Bencoolen	.....	.....	.....	0·5	0·2	0·0	0·0	2·2	3·8	5·0	5·9
Batavia, Winter.....	1·1	1·0	0·7	0·5	0·3	0·1	0·0	0·7	1·9	2·8	3·3
Batavia, Spring.....	.....	.....	.....	0·9	0·6	0·2	0·0	0·9	2·3	3·7	4·2
Cocos.....	.....	.....	.....	0·1	0·1	0·1	0·0	0·2	1·0	2·2	2·9

Variation of the Wet Thermometer at

June .....1846.....	1·2	1·0	0·8	0·6	0·4	0·3	0·0	0·4	1·5	2·9	3·8
July	1·4	1·2	0·9	0·6	0·5	0·3	0·0	0·3	1·2	2·6	3·3
August	1·3	1·1	0·8	0·6	0·5	0·2	0·0	0·3	1·2	2·5	3·4
Sums	3·9	3·3	2·5	1·8	1·4	0·8	0·0	1·0	3·9	8·0	10·5
Means and Variation...	1·3	1·1	0·8	0·6	0·5	0·3	0·0	0·3	1·3	2·7	3·5

TABLE C.

in Java, Eastern Archipelago. Winter.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
10·6	11·6	11·1	11·3	10·2	9·2	7·3	5·0	4·5	3·8	1·3	2·9	2·5	5·1
10·0	9·5	9·5	9·5	9·4	8·1	6·3	4·6	3·7	3·0	2·6	2·3	1·7	4·4
8·0	9·2	10·2	10·4	10·5	10·0	8·8	7·0	5·7	5·0	4·5	3·8	3·2	5·2
7·0	8·2	8·6	8·9	8·1	7·0	5·7	4·5	3·8	3·1	2·8	2·5	1·9	3·9
35·6	38·5	39·4	40·1	38·2	34·3	28·1	21·1	17·7	14·9	11·2	11·5	9·3	18·6
8·9	9·6	9·8	10·0	9·5	8·6	7·0	5·3	4·4	3·7	2·8	2·9	2·3	4·6

in Java, Eastern Archipelago. Spring.

8·1	9·0	9·6	9·6	9·7	9·0	7·6	5·5	4·6	3·7	2·8	.....	.....	5·1
10·2	11·1	11·1	10·4	10·1	9·6	8·1	6·6	5·6	4·7	4·0	.....	.....	6·1
12·2	13·3	12·6	11·6	11·4	10·8	9·1	7·0	5·6	4·9	4·3	.....	.....	6·9
13·1	13·9	14·0	13·5	12·9	11·3	9·8	7·4	6·4	5·5	5·0	.....	.....	7·5
43·6	47·3	47·3	45·1	44·1	40·7	34·6	26·5	22·2	18·8	16·1	.....	.....	25·6
10·9	11·8	11·8	11·3	11·0	10·2	8·6	6·6	5·5	4·7	4·0	.....	.....	6·4

various stations in the Eastern Archipelago.

8·4	9·1	8·4	7·1	6·1	5·5	4·6	3·0	2·5	2·3	2·0	.....	.....	4·3
3·5	4·0	4·4	4·5	4·8	4·5	4·2	3·7	3·9	3·8	3·6	.....	.....	2·9
8·0	8·2	9·1	7·5	7·6	7·4	6·7	5·3	4·0	3·6	2·6	.....	.....	4·9
6·2	7·6	8·0	9·1	8·6	8·3	6·8	5·8	5·1	4·1	3·6	.....	.....	5·1
8·6	7·8	7·0	6·5	6·3	6·6	5·3	4·2	3·8	3·3	2·7	.....	.....	3·3
11·5	10·0	11·4	9·8	10·6	7·7	6·1	3·8	3·2	2·4	2·7	.....	.....	5·4
4·1	4·5	4·8	4·7	4·5	4·2	3·9	3·7	2·8	2·4	2·0	1·8	1·5	2·4
11·0	12·1	8·8	8·7	7·9	7·2	6·6	5·7	5·0	4·2	3·7	.....	.....	5·7
5·7	5·6	6·0	4·5	3·6	3·9	2·8	2·0	2·1	1·9	1·5	.....	.....	3·0
1·6	2·0	2·2	2·0	2·5	1·8	1·5	1·7	1·8	1·7	1·5	.....	.....	1·3
5·3	4·8	5·3	5·7	4·5	4·3	3·5	2·5	1·7	1·0	.....	.....	.....	3·2
7·8	8·5	8·8	8·3	7·6	6·9	5·9	4·7	4·1	3·2	2·8	.....	.....	4·6
6·2	6·8	6·9	6·5	5·4	5·7	5·1	3·7	2·6	1·9	1·6	.....	.....	3·7
3·8	4·0	4·1	4·1	4·0	3·5	3·1	2·6	2·5	2·2	2·1	2·0	1·6	2·2
4·6	4·9	4·9	4·9	4·7	4·4	3·9	3·3	2·9	2·6	2·1	.....	.....	3·0
4·0	4·1	3·6	3·3	2·4	1·8	1·0	0·7	0·7	0·6	0·5	.....	.....	1·5

Sarawak in Borneo, Eastern Archipelago.

4·3	4·8	5·0	4·7	4·6	4·3	3·7	3·3	2·9	2·4	1·9	1·7	1·3	
3·9	4·2	4·2	4·3	4·2	4·4	3·8	3·8	2·8	2·3	2·0	1·8	1·5	
4·0	4·5	5·1	5·1	4·7	4·0	4·1	3·9	2·8	2·4	2·2	1·8	1·6	
12·2	13·5	14·3	14·1	13·5	12·7	11·6	11·0	8·5	7·1	6·1	5·3	4·4	
4·1	4·5	4·8	4·7	4·5	4·2	3·9	3·7	2·8	2·4	2·0	1·8	1·5	2·4

Table C.

Variation of the Wet Thermometer at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
October .....1847.....	.....	.....	.....	0·7	0·5	0·2	0·0	1·7	4·2	6·7	6·9
November	.....	.....	.....	0·4	0·2	0·1	0·0	1·3	4·0	5·9	6·5
December	.....	.....	.....	0·5	0·2	0·0	0·0	1·0	3·9	6·1	7·3
January .....1848.....	.....	.....	.....	0·5	0·2	0·0	0·1	0·7	3·3	6·0	6·7
Sums	.....	.....	.....	2·1	1·1	0·3	0·1	4·7	15·4	24·7	27·4
Means and Variation...	.....	.....	.....	0·5	0·3	0·1	0·0	1·2	3·8	6·2	6·8

Variation of the Wet Thermometer at

November .....1848...	.....	.....	.....	0·9	0·7	0·6	0·4	0·0	0·4	0·9	1·3
December	.....	.....	.....	1·0	0·9	0·8	0·0	0·0	0·4	1·1	1·3
Sums	.....	.....	.....	1·9	1·6	1·4	0·4	0·0	0·8	2·0	2·6
Means and Variation...	.....	.....	.....	0·9	0·8	0·7	0·2	0·0	0·4	1·0	1·3

Variation of the Wet Thermometer

November ...1846.....	1·1	1·9	0·6	0·4	0·3	0·1	0·0	1·1	2·3	3·3	3·6
December	1·0	0.8	0·7	0·5	0·3	0·1	0·0	0·8	2·2	3·3	3·8
January .....1847.....	1·5	1·3	0·9	0·6	0·4	0·1	0·0	0·6	1·8	2·5	3·1
February	1·0	1·0	0·7	0·6	0·4	0·2	0·0	0·4	1·5	2·3	2·8
Sums	4·6	4·0	2·9	2·1	1·4	0·5	0·0	2·9	7·8	11·4	13·3
Means and Variation...	1·1	1·0	0·7	0·5	0·3	0·1	0·0	0·7	1·9	2·8	3·3

Variation of the Bulb Thermometer

March	.....	.....	.....	0·9	0·5	0·2	0·0	0·7	1·8	2·6	3·1
April	.....	.....	.....	1·3	0·6	0·1	0·0	1·0	2·3	3·7	4·3
May	.....	.....	.....	1·3	0·8	0·4	0·0	1·1	2·9	4·4	4·9
June	.....	.....	.....	0·1	0·7	0·2	0·0	0·8	2·4	4·3	4·5
Sums	.....	.....	.....	3·6	2·6	0·9	0·0	3·6	9·4	15·0	16·8
Means and Variation...	.....	.....	.....	0·9	0·6	0·2	0·0	0·9	2·3	3·7	4·2

Diurnal Variation of the Tension of Vapour

	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Moulmein	.....	.....	.....	·023	·022	·000	·002	·043	·105	·116	·121
Madras	.....	.....	.....	·044	·031	·017	·005	·024	·016	·019	·010
Nicobar	.....	.....	.....	·000	·012	·010	·009	·041	·123	·138	·185
Sambooanga	.....	.....	.....	·000	·001	·014	·002	·069	·138	·185	·168
Pulo Penang	.....	.....	.....	·027	·022	·006	·000	·021	·058	·131	·188
Pulo Dinding.....	.....	.....	.....	·040	·018	·011	·000	·031	·071	·165	·200
Sarawak.....	·033	·029	·022	·016	·012	·006	·000	·010	·033	·062	·075
Keemah	.....	.....	.....	·029	·025	·017	·000	·066	·126	·184	·223
Pulo Peesang.....	.....	.....	.....	.....	·009	·000	·002	·020	·028	·064	·103
Singapore	.....	.....	.....	·023	·019	·017	·004	·000	·006	·017	·021
Carimon.....	.....	.....	.....	.....	.....	·000	·004	·032	·051	·065	·064
Padang	.....	.....	.....	·012	·006	·002	·000	·026	·078	·133	·130
Bencoolen	.....	.....	.....	·014	·006	·000	·000	·055	·085	·107	·117
Batavia, Winter.....	·023	·021	·015	·011	·007	·001	·000	·013	·037	·047	·047
Batavia, Spring.....	.....	.....	.....	·029	·015	·005	·000	·021	·046	·063	·061
Cocos.....	.....	.....	.....	·000	·001	·001	000	·004	·019	·056	·059

TABLE C.

Padang in Sumatra, Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
7·9	8·2	8·2	8·2	7·5	6·9	6·3	5·2	4·3	3·3	3·1	.....	.....	.....
7·2	8·2	8·1	7·9	7·2	6·6	5·5	4·5	4·2	3·4	2·9	.....	.....	.....
8·1	8·8	9·2	8·5	7·4	6·3	5·5	4·5	3·6	2·7	2·4	.....	.....	.....
8·0	8·8	9·6	8·8	8·5	7·9	6·4	4·8	4·2	3·5	2·9	.....	.....	.....
31·2	34·0	35·1	33·4	30·6	27·7	23·7	19·0	16·3	12·9	11·3	.....	.....	.....
7·8	8·5	8·8	8·3	7·6	6·9	5·9	4·7	4·1	3·2	2·8	.....	.....	4·6

Singapore, Eastern Archipelago.

1·7	1·9	2·2	2·3	3·0	1·9	1·6	1·8	1·9	1·7	1·6	.....	.....	1·4
1·6	2·2	2·3	1·8	2·0	1·7	1·4	1·6	1·8	1·7	1·5	.....	.....	1·3
3·3	4·1	4·5	4·1	5·0	3·6	3·0	3·4	3·7	3·4	3·1	.....	.....	.....
1·6	2·0	2·2	2·0	2·5	1·8	1·5	1·7	1·8	1·7	1·5	.....	.....	1·3

at Batavia in Java, Eastern Archipelago. Winter.

4·3	4·8	4·4	4·6	4·5	3·9	3·6	2·9	2·8	2·4	2·1	2·0	1·6	2·4
4·3	4·0	4·1	4·0	3·8	3·2	2·6	2·2	2·1	1·9	1·7	1·7	1·3	2·0
3·4	3·7	4·2	4·2	4·3	4·1	3·8	3·0	2·8	2·7	2·5	2·3	2·0	2·4
3·2	3·4	3·7	3·7	3·3	2·9	2·6	2·3	2·3	1·9	2·0	1·9	1·6	2·0
15·2	15·9	16·4	16·5	15·9	14·1	12·6	10·4	10·0	8·9	8·3	7·9	6·5	8·8
3·8	4·0	4·1	4·1	4·0	3·5	3·1	2·6	2·5	2·2	2·1	2·0	1·6	2·2

at Batavia in Java, Eastern Archipelago. Spring.

3·5	3·8	3·9	4·2	4·2	3·9	3·3	2·7	2·3	2·0	1·3	.....	.....	2·4
4·6	4·8	4·7	4·6	4·4	4·1	3·6	3·1	2·6	2·3	1·7	.....	.....	2·8
5·5	5·6	5·6	5·5	5·3	5·2	4·6	3·9	3·7	3·3	3·0	.....	.....	3·5
4·8	5·3	5·4	5·3	5·1	4·6	4·3	3·7	3·2	2·9	2·6	.....	.....	3·2
18·4	19·5	19·6	19·6	19·0	17·8	15·8	13·4	11·8	10·5	8·6	.....	.....	11·9
4·6	4·9	4·9	4·9	4·7	4·4	3·9	3·3	2·9	2·6	2·1	.....	.....	3·0

at various Stations in the Eastern Archipelago.

in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
·109	·114	·085	·024	·021	·015	·010	·010	·025	·039	·034	.....	.....	·043
·000	·001	·006	·015	·044	·075	·064	·071	·100	·105	·104	.....	.....	·035
·169	·175	·202	·159	·167	·166	·148	·122	·051	·083	·059	.....	.....	·105
·137	·171	·177	·219	·201	·202	·164	·146	·124	·100	·090	.....	.....	·117
·202	·177	·151	·141	·131	·152	·118	·095	·091	·076	·061	.....	.....	·094
·226	·176	·227	·190	·251	·161	·136	·084	·073	·045	·064	.....	.....	·104
·077	·077	·081	·077	·079	·082	·078	·092	·074	·062	·053	·046	·037	·049
·257	·291	·193	·205	·184	·162	·161	·143	·128	·106	.096	.....	.....	·129
·100	·079	·093	·077	·064	·083	·065	·044	·051	·042	.....	.....	.....	·056
·027	·038	·048	·039	·043	·038	·031	·041	·049	·045	·044	.....	.....	·027
·079	·065	·087	·090	·066	·070	·056	·051	·030	·011	.....	.....	.....	·050
·151	·165	·171	·168	·152	·147	·133	·113	·102	·082	·077	.....	.....	·093
·123	·140	·151	·154	·119	·127	·122	·091	·059	·041	·037	.....	.....	·079
·052	·052	·054	·053	·052	·044	·046	·043	·048	·045	·041	·044	·036	·033
·063	·064	·065	·072	·068	·065	·061	·059	·054	·050	·049	.....	.....	·043
·087	·088	·076	·074	·052	·039	·019	·013	·014	·003	·011	.....	.....	·032

TABLE C.

Diurnal Variation of the Tension of Vapour at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
June .....1846.....	·031	·028	·023	·018	·012	·008	·000	·010	·038	·071	·077
July	·035	·030	·021	·013	·011	.006	·000	·009	·029	·061	·080
August	·034	·029	·022	·016	·014	·005	·000	·011	·031	·055	·069
Sums	·100	·087	·066	·047	·037	·019	·000	·030	·098	·187	·226
Means and Variation .	·033	·029	·022	·016	·012	·006	·000	·010	·033	·062	·075

Diurnal Variation of the

October.....1847.....	.....	.....	.....	·019	·015	·006	·000	·040	·085	·141	·125
November	.....	.....	.....	·010	·006	·004	·000	·028	·080	·117	·120
December	.....	.....	.....	·010	·002	·000	·000	·022	·084	·149	·143
January ...1848.....	.....	.....	.....	·013	·005	·000	·004	·018	·067	·127	·134
Sums	.....	.....	.....	·052	·028	·010	·004	·108	·316	·534	·522
Means and Variation .	.....	.....	.....	·012	·006	·002	·000	·026	·078	·133	·130

Diurnal Variation of the

November ...1848.....	.....	.....	.....	·024	·018	·015	·011	·000	·010	·018	·026
December	.....	.....	.....	·024	·022	·022	·000	·002	·005	·018	·018
Sums	.....	.....	.....	·048	·040	·037	·011	·002	·015	·036	·044
Means	.....	.....	.....	·024	·020	·018	·005	·001	·007	·018	·022
Variation	.....	.....	.....	·023	·019	·017	·004	·000	·006	·017	·021

Diurnal Variation of the

November ...1846.....	·022	·018	·011	·008	·006	·000	·000	·022	·042	·053	·042
December	·020	·016	·016	·013	·009	·003	·000	·016	·043	·057	·054
January.....1847.....	·029	·026	·019	·012	·008	·000	·005	·010	·032	·038	·046
February	·025	·027	·019	·016	·011	·006	·000	·010	·037	·045	·049
Sums	·096	·087	·065	·049	·034	·009	·005	·058	·154	·193	·191
Means	·024	·022	·016	·012	·008	·002	·001	·014	·038	·048	·048
Variation	·023	·021	·015	·011	·007	·001	·000	·013	·037	·047	·047

Diurnal Variation of the

March .....1847.....	.....	.....	.....	·021	·012	·005	·000	·020	·041	·047	·049
April	.....	.....	.....	·033	·013	·000	·000	·025	·048	·073	·073
May	.....	.....	.....	·034	·020	·012	·000	·027	·057	·071	·076
June	.....	.....	.....	·027	·017	·003	·000	·014	·039	·062	·044
Sums	.....	.....	.....	·115	·063	·020	·000	·086	·185	·253	·242
Means and Variation .	.....	.....	.....	·029	·015	·005	·000	·021	·046	·063	·061

TABLE C.

Sarawak in the Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	.n.	in.
·084	·089	·091	·081	·089	·087	·074	·083	·077	·064	·049	·045	·032	·052
·073	·068	·066	·064	·073	·087	·072	·093	·072	·058	·049	·045	·036	·045
·073	·074	·087	·086	·074	·071	·087	·099	·074	·065	·060	·048	·043	·049
·230	·231	·244	·231	·236	·245	·233	·275	·223	·187	·158	·138	·111	·146
·077	·077	·081	·077	·079	·082	·078	·092	·074	·062	·053	·046	·037	·049

Tension of Vapour at Padang in Sumatra.

·152	·160	·164	·166	·153	·150	·152	·130	·107	·084	·084	.....	.....	·100
·129	·158	·154	·159	·146	·140	·118	·103	·106	·086	·076	.....	.....	·088
·160	·162	·177	·159	·134	·124	·116	·107	·090	·064	·065	.....	.....	·087
·165	·181	·193	·171	·179	·178	·151	·116	·108	·098	·084	.....	.....	·101
·606	·661	·688	·655	·612	·592	·537	·456	·411	·332	·309	.....	.....	·376
·151	·165	·171	·168	·152	·147	·133	·113	·102	·082	·077	.....	.....	·093

Tension of Vapour at Singapore.

·033	·038	·051	·056	·048	·047	·038	·047	·054	·049	·050	.....	.....	·030
·023	·041	·047	·024	·040	·031	·026	·037	·046	·044	·040	.....	.....	·036
·056	·079	·098	·080	·088	·078	·064	·084	·100	·093	·090	.....	.....	·056
·028	·039	·049	·040	·044	·039	·032	·042	·050	·046	·045	.....	.....	·028
·027	·038	·048	·039	·043	·038	·031	·041	·049	·045	·044	.....	.....	·027

Tension of Vapour at Batavia. Winter.

·053	·068	·054	·061	·068	·055	·064	·060	·062	·054	·046	·047	·036	·038
·062	·055	·060	·055	·048	·037	·033	·036	·042	·041	·038	·041	·032	·029
·046	·043	·053	·051	·054	·051	·051	·039	·045	·049	·038	·046	·039	·034
·051	·045	·053	·050	·042	·037	·040	·041	·049	·040	·048	·047	·042	·035
·212	·211	·220	·217	·212	·180	·188	·176	·198	·184	·170	·181	·149	·136
·053	·053	·055	·054	·053	·045	·047	·044	·049	·046	·042	·045	·037	·034
·052	·052	·054	·053	·052	·044	·046	·043	·048	·045	·041	·044	·036	·033

Tension of Vapour at Batavia. Spring.

·052	·054	·054	·066	·065	·061	·049	·047	·040	·038	·020	.....	.....	·039
·075	·074	·069	·074	·065	·059	·055	·055	·041	·039	·022	.....	.....	·044
·084	·076	·083	·091	·085	·087	·081	·076	·083	·075	·069	.....	.....	·061
·041	·052	·055	·057	·056	·053	·058	·060	·051	·049	·044	.....	.....	·040
·252	·256	·261	·288	·271	·260	·243	·238	·215	·201	·155	.....	.....	·184
·063	·064	·065	·072	·068	·065	·061	·059	·054	·050	·049	.....	.....	·046

TABLE C.

Mean Degree of Humidity of the Air at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Moulmein	.....	.....	.....	90	91	89	89	84	72	65	57
Madras	.....	.....	.....	84	83	83	83	81	72	66	60
Nicobar	.....	.....	.....	94	93	93	92	93	88	83	77
Sambooanga	.....	.....	.....	90	90	91	91	85	78	79	77
Pulo Penang	.....	.....	.....	91	91	93	91	91	89	84	80
Pulo Dinding	.....	.....	.....	90	89	90	90	92	81	77	63
Sarawak	97	98	98	98	98	98	99	99	97	93	88
Keemah	.....	.....	.....	93	93	93	92	92	79	77	73
Pulo Peesang	.....	.....	.....	.....	98	99	99	98	96	92	83
Singapore	.....	.....	.....	86	86	87	87	88	86	84	82
Carimon	.....	.....	.....	.....	.....	93	95	91	84	79	74
Padang	.....	.....	.....	94	93	93	93	92	85	79	74
Bencoolen	.....	.....	.....	100	100	100	100	98	89	86	80
Batavia, Winter	93	94	95	96	96	96	97	94	91	85	80
Batavia, Spring	.....	.....	.....	95	96	96	97	95	89	81	78
Cocos	.....	.....	.....	83	84	84	84	84	82	80	78
Mean Degree of Humidity of											
June .....1846...	98	99	99	99	99	99	99	99	97	93	87
July	97	97	97	97	98	97	99	99	97	93	90
August	97	97	97	97	98	98	98	99	97	92	87
Means	97	98	98	98	98	98	99	99	97	93	88
Mean Degree of Humidity of											
October.....1847...	.....	.....	.....	94	94	93	93	92	84	79	72
November	.....	.....	.....	94	94	94	94	91	84	78	74
December	.....	.....	.....	92	91	92	92	91	86	80	73
January.....1848...	.....	.....	.....	94	93	94	94	93	86	80	76
Means	.....	.....	.....	94	93	93	93	92	85	79	74
Mean Degree of Humidity of											
November .....1848...	.....	.....	.....	87	87	87	88	88	88	86	84
December	.....	.....	.....	86	86	87	87	88	85	83	81
Means	.....	.....	.....	86	86	87	87	88	86	84	82
Mean Degree of Humidity											
November .....1846...	93	94	94	95	95	95	97	93	88	82	76
December	93	94	95	96	96	96	96	94	89	83	77
January .....1847...	93	94	95	96	97	97	98	95	91	86	83
February	95	96	96	97	96	96	96	96	95	89	85
Means	93	94	95	96	96	96	97	94	91	85	80
Mean Degree of Humidity of											
March .....1847...	.....	.....	.....	95	95	96	96	96	92	86	81
April	.....	.....	.....	96	96	96	97	96	91	85	79
May	.....	.....	.....	96	96	97	97	95	88	78	75
June	.....	.....	.....	95	96	96	97	94	87	77	70
Means	.....	.....	.....	95	96	96	97	95	89	81	78

TABLE C.

various stations in the Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
51	50	47	43	48	50	55	66	74	81	82	.....	.....	66
55	52	51	52	56	61	65	71	78	81	82	.....	.....	68
74	74	74	76	77	79	80	86	88	90	91	.....	.....	84
77	78	73	76	74	77	79	84	84	86	87	.....	.....	81
76	76	76	77	76	80	82	85	88	88	89	.....	.....	84
58	58	59	63	70	72	79	84	86	84	88	.....	.....	76
83	79	78	77	80	82	85	92	95	96	96	97	97	91
72	71	74	78	79	80	85	88	90	90	91	.....	.....	83
75	70	71	79	85	87	93	94	96	94	96	.....	.....	88
81	81	82	82	83	84	84	85	87	87	88	.....	.....	85
69	69	68	68	71	74	78	86	87	87	.....	.....	.....	79
71	69	68	70	73	78	82	88	91	92	94	.....	.....	83
79	79	81	86	86	86	90	95	95	95	97	.....	.....	88
76	75	75	75	76	77	81	85	89	90	91	93	93	87
74	71	71	74	74	75	78	84	86	88	89	.....	.....	83
76	76	77	79	80	81	82	83	83	82	83	.....	.....	81

the Air at Sarawak, Borneo.

83	79	78	78	81	83	86	93	95	96	96	97	97	92
84	79	79	77	82	83	84	92	95	96	96	97	96	91
82	78	76	75	76	81	86	92	95	96	97	96	97	91
83	79	78	77	80	82	85	92	95	96	96	97	97	91

the Air at Padang in Sumatra.

71	71	72	72	75	80	86	89	91	93	94	.....	.....	83
70	69	69	72	75	79	82	87	91	92	94	.....	.....	83
70	65	66	67	70	76	81	88	90	90	94	.....	.....	81
73	71	67	68	73	77	81	88	91	95	96	.....	.....	83
71	69	68	70	73	78	82	88	91	92	94	.....	.....	83

the Air at Singapore.

83	82	84	84	85	85	85	87	88	88	89	.....	.....	86
80	80	81	81	82	82	83	84	86	86	86	.....	.....	84
81	81	82	82	83	84	84	85	87	87	88	.....	.....	85

of the Air at Batavia in Java. Winter.

73	72	72	72	75	77	82	88	90	91	92	93	93	86
75	76	76	76	75	77	82	86	90	92	93	94	94	87
79	76	74	74	77	75	78	81	85	87	87	91	92	86
81	78	78	77	78	80	84	87	90	91	93	94	95	88
76	75	75	75	76	77	81	85	89	90	91	93	93	87

the Air at Batavia in Java. Spring.

79	76	75	76	76	77	79	85	87	89	90	.....	.....	85
77	74	74	76	76	77	80	84	85	87	88	.....	.....	84
72	69	71	74	74	76	79	84	89	90	91	.....	.....	83
67	66	66	67	68	70	75	82	83	86	87	.....	.....	80
74	71	71	74	74	75	78	84	86	88	89	.....	.....	83

TABLE C.

Observatory at Moulmein—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Noon.
Dry Thermometer.										
Mean of 7 days.....	77·1	76·8	76·6	76·7	79·5	87·1	90·8	95·4	98·5	100·9
Diurnal variation ...	0·5	0·2	0·0	0·1	2·9	10·5	14·2	18·8	21·9	24·3
Wet Thermometer.										
Mean of 7 days.....	74·9	74·8	74·2	74·3	76·1	79·7	80·9	82·1	82·6	83·3
Diurnal variation ...	0·7	0·6	0·0	0·1	1·9	5·5	6·7	7·9	8·4	9·1
Tension of vapour...	·826	·825	·803	·805	·846	·908	·919	·924	·912	·917

Observatory at Madras.—Hourly observations made

Dry Thermometer.										
Mean of 32 days ...	78·9	78·6	78·1	77·8	79·2	82·3	85·5	88·2	90·5	92·3
Diurnal variation ...	1·1	0·8	0·3	0·0	1·4	4·5	7·7	10·4	12·7	14·5
Wet Thermometer.										
Mean of 32 days ...	75·0	74·6	74·1	73·7	74·6	75·3	76·3	76·8	77·2	77·7
Diurnal variation ...	1·3	0·9	0·4	0·0	0·9	1·6	1·9	3·1	3·5	4·0
Tension of vapour ...	·810	·797	·783	·771	·790	·782	·785	·776	·766	·767

Observatory at Car Nicobar.—Hourly observations

Dry Thermometer.										
Mean of 5 days.....	73·0	73·6	73·8	73·9	75·0	79·6	82·0	85·8	86·5	86·7
Diurnal variation ...	0·0	0·6	0·8	0·9	2·0	6·6	9·0	12·8	13·5	13·7
Wet Thermometer.										
Mean of 5 days.....	71·7	72·2	72·2	72·2	73·4	76·8	77·8	79·9	79·7	79·9
Diurnal variation ...	0·0	0·5	0·5	0·5	1·7	5·1	6·1	8·2	8·0	8·2
Tension of vapour...	·750	·762	·760	·759	·791	·873	·885	·935	·919	·925

Observatory at Sambooanga.—Hourly observations

Dry Thermometer.										
Mean of 6 days.....	74·7	74·6	74·8	74·5	79·2	84·1	85·3	85·7	84·5	86·9
Diurnal variation ...	0·2	0·1	0·3	0·0	4·7	9·6	10·8	11·2	10·0	12·4
Wet Thermometer.										
Mean of 6 days.....	72·5	72·5	72·9	72·5	75·6	78·6	80·0	79·7	78·7	80·1
Diurnal variation ...	0·0	0·0	0·4	0·0	3·1	6·1	7·5	7·2	6·2	7·6
Tension of vapour...	·760	·761	·774	·762	·829	·898	·945	·928	·897	·931

Observatory at Penang.—Hourly observations

Dry Thermometer.										
Mean of 5 days.....	76·4	75·9	74·9	75·1	76·0	78·2	82·4	86·0	88·0	86·9
Diurnal variation ...	1·5	1·0	0·0	0·2	1·1	3·3	7·5	11·1	13·1	12·0
Wet Thermometer.										
Mean of 5 days.....	74·3	74·0	73·3	73·2	74·0	75·6	78·5	80·8	81·6	80·8
Diurnal variation ...	1·3	1·0	0·3	0·2	0·0	2·6	5·5	7·8	8·6	7·8
Tension of vapour...	·809	·804	·788	·782	·803	·840	·913	·970	·984	·959

TABLE C.

made during the Month of April, 1849.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Tension of Vapour.
Dry Thermometer.											
100·3	100·6	97·0	95·4	92·3	86·4	83·2	81·3	80·6	1676·5	88·3	
23·7	24·0	20·4	18·8	15·7	9·8	6·6	4·7	4·0			
Wet Thermometer.											
82·6	81·3	80·3	79·7	78·8	77·2	76·7	76·5	76·2	1492·2	78·5	·846
8·4	7·1	6·1	5·5	4·6	3·0	2·5	2·3	2·0			
·888	·827	·824	·818	·813	·813	·828	·842	·837			

during the Months of August and September, 1849.

Dry Thermometer.											
93·3	92·9	91·5	90·0	87·4	85·0	83·2	82·3	81·7	1618·7	85·2	
15·5	15·1	13·7	12·2	9·6	7·2	5·4	4·5	3·9			
Wet Thermometer.											
78·1	78·2	78·5	78·2	77·9	77·4	77·6	77·5	77·3	1456·0	76·6	·801
4·4	4·5	4·8	4·5	4·2	3·7	3·9	3·8	3·6			
·772	·781	·810	·841	·830	·837	·866	·871	·870	.....	·801	

made during the Month of February, 1849.

Dry Thermometer.											
87·6	85·5	85·2	84·6	83·3	80·4	78·5	77·6	76·4	1529·0	80·5	
14·6	12·5	12·2	11·6	10·3	7·4	5·5	4·6	3·4			
Wet Thermometer.											
80·8	79·2	79·3	79·1	78·4	77·0	75·7	75·3	74·3	1454·9	76·6	·855
9·1	7·5	7·6	7·4	6·7	5·3	4·0	3·6	2·6			
·952	·909	·917	·916	·898	·872	·841	·835	·809	.....	·855	

made during the Month of May, 1848.

Dry Thermometer.											
87·8	88·5	88·0	86·7	84·6	82·3	81·6	80·0	79·1	1562·9	82·2	
13·3	14·0	13·5	12·2	10·1	7·8	7·1	5·5	4·6			
Wet Thermometer.											
80·5	81·6	81·1	80·8	79·3	78·3	77·6	76·6	76·1	1475·0	77·6	·877
8·0	9·1	8·6	8·3	6·8	5·8	5·1	4·1	3·6			
·937	·979	·961	·962	·924	·906	·884	·860	·850	.....	·877	

made during the Month of January, 1849.

Dry Thermometer.											
86·3	85·4	85·6	84·8	82·8	80·7	79·6	79·1	78·3	1542·4	81·2	
11·4	10·5	10·7	9·9	7·9	5·8	4·7	4·2	3·4			
Wet Thermometer.											
80·0	79·5	79·3	79·6	78·3	77·2	76·8	76·3	75·7	1468·8	77·3	·876
7·0	6·5	6·3	6·6	5·3	4·2	3·8	3·3	2·7			
·933	·923	·913	·934	·900	·877	·873	·858	·843	.....	·876	

TABLE C.

Observatory at Pulo Dinding.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
Dry Thermometer.													
Mean of 3 days ...	.....	.....	.....	75·3	74·9	74·2	73·9	74·4	79·7	85·0	92·3	96·1	94·4
Diurnal variation ...	.....	.....	.....	1·4	1·0	0·3	0·0	0·5	5·8	11·1	18·4	22·2	20·5
Wet Thermometer.													
Mean of 3 days ...	.....	.....	.....	73·2	72·5	72·1	71·7	72·7	75·3	79·0	81·7	83·2	81·7
Diurnal variation ...	.....	.....	.....	1·5	0·8	0·4	0·0	1·0	3·6	7·3	10·0	11·5	10·0
Tension of vapour...	.....	.....	.....	·780	·758	·751	·740	·771	·811	·905	·940	·966	·916

Observatory at Sarawak.—Hourly observations

Dry Thermometer.													
Mean of 26 days ...	77·0	76·6	76·3	76·1	75·9	75·9	75·5	76·0	77·5	79·8	82·2	84·0	85·4
Diurnal variation ...	1·5	1·1	0·8	0·6	0·4	0·4	0·0	0·5	2·0	4·3	6·7	8·5	9·9
Wet Thermometer.													
Mean of 26 days ...	76·5	76·3	76·1	75·9	75·7	75·6	75·3	75·7	76·8	78·2	79·1	79·6	80·1
Diurnal variation ...	1·2	1·0	0·8	0·6	0·4	0·3	0·0	0·4	1·5	2·9	3·8	4·3	4·8
Tension of vapour...	·890	·887	·882	·877	·871	·867	·859	·869	·897	·930	·936	·943	·948

Observatory at Sarawak.—Hourly observations

Dry Thermometer.													
Mean of 27 days ...	76·6	76·3	76·0	75·7	75·5	75·4	74·8	75·1	76·4	78·6	80·5	82·4	83·9
Diurnal variation ...	1·8	1·5	1·2	0·9	0·7	0·6	0·0	0·3	1·6	3·8	5·7	7·6	9·1
Wet Thermometer.													
Mean of 27 days ...	76·0	75·8	75·5	75·2	75·1	74·9	74·6	74·9	75·8	77·2	77·9	78·5	78·8
Diurnal variation ...	1·4	1·2	0·9	0·6	0·5	0·3	0·0	0·3	1·2	2·6	3·3	3·9	4·2
Tension of vapour...	·875	·870	·861	·853	·851	·846	·840	·849	·869	·901	·920	·913	·908

Observatory at Sarawak.—Hourly observations

Dry Thermometer.													
Mean of 19 days ...	76·2	75·9	75·6	75·4	75·2	74·9	74·6	74·8	76·1	78·6	80·7	82·6	84·3
Diurnal variation ...	1·6	1·3	1·0	0·8	0·6	0·3	0·0	0·2	1·5	4·0	6·1	8·0	9·7
Wet Thermometer.													
Mean of 19 days ...	75·5	75·3	75·0	74·8	74·7	74·4	74·2	74·5	75·4	76·7	77·6	78·2	78·7
Diurnal variation ...	1·3	1·1	0·8	0·6	0·5	0·2	0·0	0·3	1·2	2·5	3·4	4·0	4·5
Tension of vapour...	·859	·854	·847	·841	·839	·830	·825	·836	·856	·880	·894	·898	·899

Observatory at Keemah.—Hourly observations

Dry Thermometer.													
Mean of 10 days ...	.....	.....	.....	74·0	73·7	73·4	73·0	75·7	82·4	85·3	88·6	90·1	91·6
Diurnal variation ...	.....	.....	.....	1·0	0·7	0·4	0·0	2·7	9·4	12·3	15·6	17·1	18·6
Wet Thermometer.													
Mean of 10 days ...	.....	.....	.....	72·4	72·2	71·9	71·3	73·9	77·3	79·4	81·2	82·3	83·4
Diurnal variation ...	.....	.....	.....	1·1	0·9	0·6	0·0	2·6	6·0	8·1	9·9	11·0	12·1
Tension of vapour...	.....	.....	.....	·765	·761	·753	·736	·802	·862	·920	·959	·993	1·027

TABLE C.

made during the Month of January, 1849.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Tension of Vapour.
Dry Thermometer.														
	95·7	92·4	90·3	87·0	83·0	79·3	78·2	77·9	77·2	.....	.....	1581·2	83·2	
	21·8	18·5	16·4	13·1	9·1	5·4	4·3	4·0	3·3	.....	.....			
Wet Thermometer.														
	83·1	81·5	82·3	79·4	77·8	75·5	74·9	74·1	74·4	.....	.....	1466·1	77·1	·844
	11·4	9·8	10·6	7·7	6·1	3·8	3·2	2·4	2·7	.....	.....			
	·967	·930	·996	·901	·876	·824	·813	·785	·804	.....	.....	.....	·844	

made during the Month of June, 1846.

Dry Thermometer.														
	85·9	85·7	84·7	83·8	82·5	80·2	79·2	78·5	78·0	77·6	77·3	1911·6	79·6	
	10·4	10·2	9·2	8·3	7·0	4·7	3·7	3·0	2·5	2·1	1·8			
Wet Thermometer.														
	80·3	80·0	79·9	79·6	79·0	78·6	78·2	77·7	77·2	77·0	76·6	1865·0	77·7	·911
	5·0	4·7	4·6	4·3	3·7	3·3	2·9	2·4	1·9	1·7	1·3			
	·950	·940	·948	·946	·933	·942	·936	·923	·908	·904	·891	.....	·911	

made during the Month of July, 1846.

Dry Thermometer.														
	84·1	84·6	83·5	83·1	82·1	80·2	78·4	77·8	77·5	77·1	76·8	1892·4	78·9	
	9·3	9·8	8·7	8·3	7·3	5·4	3·6	3·0	2·7	2·3	2·0			
Wet Thermometer.														
	78·8	78·9	78·8	79·0	78·4	78·4	77·4	76·9	76·6	76·4	76·1	1845·9	76·9	·885
	4·2	4·3	4·2	4·4	3·8	3·8	2·8	2·3	2·0	1·8	1·5			
	·906	·904	·913	·927	·912	·933	·912	·898	·889	·885	·876	.....	·885	

made during the Month of August, 1846.

Dry Thermometer.														
	85·6	85·7	85·1	82·8	81·7	79·9	78·1	77·4	77·1	76·8	76·5	1891·6	78·8	
	11·0	11·1	10·5	9·2	7·1	5·3	3·5	2·8	2·5	2·2	1·9			
Wet Thermometer.														
	79·3	79·3	78·9	78·2	78·3	78·1	77·0	76·6	76·4	76·0	75·8	1838·9	76·6	·874
	5·1	5·1	4·7	4·0	4·1	3·9	2·8	2·4	2·2	1·8	1·6			
	·912	·911	·899	·896	·912	·924	·899	·890	·885	·873	·868	.....	·874	

made during the Month of June, 1848.

Dry Thermometer.														
	87·1	85·6	84·6	83·7	81·5	79·8	78·6	77·7	77·0	.....	.....	1543·4	81·1	
	14·1	12·6	11·6	10·7	8·5	6·8	5·6	4·7	4·0	.....	.....			
Wet Thermometer.														
	80·1	80·0	79·2	78·5	77·9	77·0	76·3	75·5	75·0	.....	.....	1464·8	77·0	·865
	8·8	8·7	7·9	7·2	6·6	5·7	5·0	4·2	3·7	.....	.....			
	·929	·941	·920	·898	·897	·879	·864	·842	·832	.....	.....	.....	·865	

TABLE C.

Observatory at Pulo Peesang.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
Dry Thermometer.										
Mean of 5 days	.....	75·9	75·1	75·3	76·1	77·1	80·1	84·3	87·1	88·6
Diurnal variation	.....	0·8	0·0	0·2	1·0	2·0	5·0	9·2	12·0	13·5
Wet Thermometer.										
Mean of 5 days	.....	75·4	74·9	75·0	75·7	76·2	77·9	79·9	80·6	80·5
Diurnal variation ...	.....	0·5	0·0	0·1	0·8	1·3	3·0	5·0	5·7	5·6
Tension of vapour...	.....	·858	·849	·851	·869	·877	·913	·952	·949	·928

Observatory at Singapore.—Hourly observations

Dry Thermometer.										
Mean of 16 days ...	79·4	79·2	79·1	78·8	78·3	78·9	79·9	80·7	81·5	81·8
Diurnal variation ...	1·1	0·9	0·8	0·5	0·0	0·6	1·6	2·4	3·2	3·5
Wet Thermometer.										
Mean of 16 days ...	76·5	76·3	76·2	76·0	75·6	76·0	76·5	76·9	77·3	77·5
Diurnal variation ...	0·9	0·7	0·6	0·4	0·0	0·4	0·9	1·3	1·7	1·9
Tension of vapour...	·863	·857	·854	·850	·839	·849	·857	·865	·872	·877

Observatory at Singapore.—Hourly observations

Dry Thermometer.										
Mean of 14 days ...	79·2	79·0	78·7	77·9	77·7	78·8	80·2	80·8	81·4	82·0
Diurnal variation ...	1·5	1·3	1·0	0·2	0·0	1·1	2·5	3·1	3·7	4·3
Wet Thermometer.										
Mean of 14 days ...	75·9	75·8	75·7	74·9	74·9	75·3	76·0	76·2	76·5	77·1
Diurnal variation ...	1·0	0·9	0·8	0·0	0·0	0·4	1·1	1·3	1·6	2·2
Tension of vapour ...	·841	·839	·839	·817	·819	·822	·835	·835	·840	·858

Observatory at Carimon Island.—Hourly observations

Dry Thermometer.										
Mean of 6 days	.....	.....	76·9	76·3	78·7	81·8	84·3	86·1	89·1	88·5
Diurnal variation ...	.....	.....	0·6	0·0	2·4	5·5	8·0	9·8	12·8	12·2
Wet Thermometer.										
Mean of 6 days	.....	.....	75·3	75·2	76·6	77·9	78·9	79·3	80·5	80·0
Diurnal variation ...	.....	.....	0·1	0·0	1·4	2·7	3·7	4·1	5·3	4·8
Tension of vapour...	.....	.....	·843	·847	·875	·894	·908	·907	·922	·908

Observatory at Padang.—Hourly observations

Dry Thermometer.										
Mean of 13 days ...	72·9	72·7	72·5	72·4	74·4	78·9	82·9	85·0	86·4	87·0
Diurnal variation ...	0·5	0·3	0·1	0·0	2·0	6·5	10·5	12·6	14·0	14·6
Wet Thermometer.										
Mean of 13 days ...	71·6	71·4	71·1	70·9	72·6	75·1	77·6	77·8	78·8	79·1
Diurnal variation ...	0·7	0·5	0·2	0·0	1·7	4·2	6·7	6·9	7·9	8·2
Tension of vapour...	·747	·743	·734	·728	·768	·813	·869	·853	·880	·888

TABLE C.

made during the Month of January, 1846.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Tension of Vapour.
Dry Thermometer.											
88·8	84·8	82·4	81·8	79·3	78·2	78·0	78·1	77·2	1448·2	80·8	
13·7	9·7	7·3	6·7	4·2	3·1	2·9	3·0	2·1			
Wet Thermometer.											
80·9	79·4	78·5	78·8	77·7	76·9	77·0	76·8	76·4	1398·5	77·9	·905
6·0	4·5	3·6	3·9	2·8	2·0	2·1	1·9	1·5			
·942	·926	·913	·932	·914	·893	·900	·891	·884	.....	·905	

made during the Month of November, 1848.

Dry Thermometer.											
81·8	81·7	81·3	81·0	80·7	80·6	80·4	80·1	79·7	1524·9	80·3	
3·5	3·4	3·0	2·7	2·4	2·3	2·1	1·8	1·4			
Wet Thermometer.											
77·8	77·9	77·6	77·5	77·2	77·4	77·5	77·3	77·2	1462·2	76·9	·869
2·2	2·3	3·0	1·9	1·6	1·8	1·9	1·7	1·6			
·890	·895	·887	·886	·877	·886	·893	·888	·889	.....	·869	

made during the Month of December, 1848.

Dry Thermometer.											
81·9	81·2	81·2	81·1	80·5	80·2	80·1	79·9	79·6	1522·5	80·1	
4·2	3·5	3·5	3·4	2·8	2·5	2·4	2·2	1·9			
Wet Thermometer.											
77·2	76·7	76·9	76·6	76·3	76·5	76·7	76·6	76·4	1448·2	76·2	·843
2·3	1·8	2·0	1·7	1·4	1·6	1·8	1·7	1·5			
·864	·841	·857	·848	·843	·854	·863	·861	·857	.....	·843	

made during the Month of January, 1846.

Dry Thermometer.											
89·3	89·6	87·4	86·3	84·3	81·0	80·0	79·1	.....	1338·7	83·8	
13·0	13·3	11·1	10·0	8·0	4·7	3·7	2·8				
Wet Thermometer.											
80·5	80·9	79·7	79·5	78·7	77·7	76·9	76·2	.....	1253·8	78·4	·893
5·3	5·7	4·5	4·3	3·5	2·5	1·7	1·0				
·920	·933	·909	·913	·899	·894	·873	·854	.....	.....	·893	

made during the Month of October, 1847.

Dry Thermometer.											
86·7	86·5	84·8	82·8	80·5	78·7	77·3	75·8	75·2	1513·4	79·7	
14·3	14·1	12·4	10·4	8·1	6·3	4·9	3·4	2·8			
Wet Thermometer.											
79·1	79·1	78·4	77·8	77·2	76·1	75·2	74·2	74·0	1437·1	75·7	·828
8·2	8·2	7·5	6·9	6·3	5·2	4·3	3·3	3·1			
·892	·894	·881	·878	·880	·858	·835	·812	·812	.....	·828	

TABLE C.

Observatory at Padang.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
Dry Thermometer.													
Mean of 26 days ...	.....	.....	.....	73·4	73·1	72·9	72·9	74·8	79·4	83·0	85·0	86·7	88·2
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·0	0·0	1·9	6·5	10·1	12·1	13·8	15·3
Wet Thermometer.													
Mean of 26 days ...	.....	.....	.....	72·0	71·8	71·7	71·6	72·9	75·6	77·5	78·1	78·8	79·8
Diurnal variation ...	.....	.....	.....	0·4	0·2	0·1	0·0	1·3	4·0	5·9	6·5	7·2	8·2
Tension of vapour...	.....	.....	.....	·757	·753	·751	·747	·775	·827	·864	·867	·876	·905

Observatory at Padang.—Hourly observations

Dry Thermometer.													
Mean of 26 days ...	.....	.....	.....	73·7	73·4	73·1	73·1	74·3	78·6	83·0	85·8	87·5	89·9
Diurnal variation ...	.....	.....	.....	0·6	0·3	0·0	0·0	1·2	5·5	9·9	12·7	14·4	16·8
Wet Thermometer.													
Mean of 26 days ...	.....	.....	.....	71·9	71·6	71·4	71·4	72·4	75·3	77·5	78·7	79·5	80·2
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·0	0·0	1·0	3·9	6·1	7·3	8·1	8·8
Tension of vapour...	.....	.....	.....	·749	·741	·739	·739	·761	·823	·888	·882	·899	·901

Observatory at Padang.—Hourly observations

Dry Thermometer.													
Mean of 13 days ...	.....	.....	.....	73·8	73·5	73·3	73·3	74·2	78·5	82·9	84·9	87·2	88·7
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·0	0·0	0·9	5·2	9·6	11·6	13·9	15·4
Wet Thermometer.													
Mean of 13 days ...	.....	.....	.....	72·4	72·1	71·9	72·0	72·6	75·2	77·9	78·6	79·9	80·7
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·0	0·1	0·7	3·3	6·0	6·7	8·0	8·8
Tension of vapour...	.....	.....	.....	·767	·759	·754	·758	·770	·821	·881	·888	·919	·935

Observatory at Poolo Bay.—Hourly observations

Dry Thermometer.													
Mean of 5 days ...	.....	.....	.....	73·4	73·2	72·0	73·0	76·0	79·1	81·7	84·3	84·9	85·6
Diurnal variation ...	.....	.....	.....	1·4	1·2	0·0	1·0	4·0	7·1	9·7	12·3	12·9	13·6
Wet Thermometer.													
Mean of 5 days ...	.....	.....	.....	73·8	73·5	73·3	73·3	75·5	77·1	78·3	79·2	79·5	80·1
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·0	0·0	2·2	3·8	5·0	5·9	6·2	6·8
Tension of vapour...	.....	.....	.....	·820	·812	·806	·806	·861	·891	·913	·923	·929	·946

Observatory at Batavia.—Hourly observations

Dry Thermometer.													
Mean of 19 days ...	77·0	76·6	76·3	75·9	75·7	75·5	75·1	77·0	79·5	82·2	84·3	85·9	86·7
Diurnal variation ...	1·9	1·5	1·2	0·8	0·6	0·4	0·0	1·9	4·4	7·1	9·2	10·6	11·6
Wet Thermometer.													
Mean of 19 days ...	75·5	75·3	75·0	74·8	74·7	74·5	74·4	75·5	76·7	77·7	78·0	78·7	79·2
Diurnal variation ...	1·1	0·9	0·6	0·4	0·3	0·1	0·0	1·1	2·3	3·3	3·6	4·3	4·8
Tension of vapour...	·850	·846	·839	·836	·834	·828	·828	·850	·870	·881	·870	·881	·896

TABLE C.

made during the Month of November, 1847.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Tension of Vapour.
Dry Thermometer.														
	88·1	86·9	85·2	83·6	81·4	79·1	77·8	76·8	75·9	.....	.....	1524·2	80·2	
	15·2	14·0	12·3	10·7	8·5	6·2	4·9	3·9	3·0					
Wet Thermometer.														
	79·7	79·5	78·8	78·2	77·1	76·1	75·8	75·0	74·5	.....	.....	1444·5	76·0	·835
	8·1	7·9	7·2	6·6	5·5	4·5	4·2	3·4	2·9					
	·901	·906	·893	·887	·865	·850	·853	·833	·823	.....	.....	.....	·835	

made during the Month of December, 1847.

Dry Thermometer.														
	90·0	89·0	87·0	83·8	81·6	78·8	77·2	76·3	75·2	.....	.....	1531·3	80·6	
	16·9	15·9	13·9	10·7	8·5	5·7	4·1	3·2	2·1					
Wet Thermometer.														
	80·6	79·9	78·8	77·7	76·9	75·9	75·0	74·1	73·8	.....	.....	1442·6	75·9	·826
	9·2	8·5	7·4	6·3	5·5	4·5	3·6	2·7	2·4					
	·916	·898	·873	·863	·855	·846	·829	·803	·804	.....	.....	.....	·826	

made during the Month of January, 1848.

Dry Thermometer.														
	90·9	89·6	87·8	85·8	83·2	79·5	78·0	76·5	75·7	.....	.....	1537·3	80·9	
	17·6	16·3	14·5	12·5	9·9	6·2	4·7	3·2	2·4	.....	.....			
Wet Thermometer.														
	81·5	80·7	80·4	79·8	78·3	76·7	76·1	75·4	74·8	.....	.....	1457·0	76·7	·855
	9·6	8·8	8·5	7·9	6·4	4·8	4·2	3·5	2·9	.....	.....			
	·947	·925	·933	·932	·905	·870	·862	·852	·838	.....	.....	.....	·855	

made during the Months of August and September, 1847.

Dry Thermometer.														
	85·0	83·3	82·0	82·5	80·7	78·2	77·1	76·3	75·6	.....	.....	1504·9	79·3	
	13·0	11·3	10·0	10·5	8·7	6·2	5·1	4·3	3·6	.....	.....			
Wet Thermometer.														
	80·2	79·8	78·7	79·0	78·4	77·0	75·9	75·2	74·9	.....	.....	1462·7	77·0	·865
	6·9	6·5	5·4	5·7	5·1	3·7	2·6	1·9	1·6	.....	.....			
	·957	·960	·925	·933	·928	·897	·865	·847	·843	.....	.....	.....	·865	

made during the Month of November, 1846.

Dry Thermometer.														
	86·2	86·4	85·3	84·3	82·4	80·1	79·6	78·9	78·4	78·0	77·6	1924·9	80·2	
	11·1	11·3	10·2	9·2	7·3	5·0	4·5	3·8	1·3	2·9	2·5			
Wet Thermometer.														
	78·8	79·0	78·9	78·3	78·0	77·3	77·2	76·8	76·5	76·4	76.0	1843·2	76·8	·866
	4·4	4·6	4·5	3·9	3·6	2·9	2·8	2·4	2·1	2·0	1·6			
	·882	·889	·896	·883	·892	·888	·890	·882	·874	·875	·864	.....	·866	

TABLE C.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
Dry Thermometer.													
Mean of 26 days ...	77·0	76·6	76·3	76·0	75·6	75·4	75·3	76·6	79·2	82·0	84·2	85·3	84·8
Diurnal variation ...	1·7	1·3	1·0	0·7	0·3	0·1	0·0	1·3	3·9	6·7	8·9	10·0	9·5
Wet Thermometer.													
Mean of 26 days ...	75·5	75·3	75·2	75·0	74·8	74·6	74·5	75·3	76·7	77·8	78·3	78·8	78·5
Diurnal variation ...	1·0	0·8	0·7	0·5	0·3	0·1	0·0	0·8	2·2	3·3	3·8	4·3	4·0
Tension of vapour ...	·850	·846	·846	·843	·839	·833	·830	·846	·873	·887	·884	·892	·885

Observatory at Batavia.—Hourly observations

Dry Thermometer.													
Mean of 25 days ...	77·1	76·6	76·0	75·5	75·1	74·8	74·6	75·7	77·9	79·8	81·3	82·6	83·8
Diurnal variation ...	2·5	2·0	1·4	0·9	0·5	0·2	0·0	1·1	3·3	5·2	6·7	8·0	9·2
Wet Thermometer.													
Mean of 25 days ...	75·5	75·3	74·9	74·6	74·4	74·1	74·0	74·6	75·8	76·5	77·1	77·4	77·7
Diurnal variation ...	1·5	1·3	0·9	0·6	0·4	0·1	0·0	0·6	1·8	2·5	3·1	3·4	3·7
Tension of vapour ...	·849	·846	·839	·832	·828	·820	·825	·830	·852	·858	·866	·864	·863

Observatory at Batavia.—Hourly observations

Dry Thermometer.													
Mean of 24 days ...	76·9	76·7	76·3	76·1	76·0	75·8	75·6	76·1	77·5	79·7	81·2	82·6	83·8
Diurnal variation ...	1·3	1·1	0·7	0·5	0·4	0·2	0·0	0·5	1·9	4·1	5·6	7·0	8·2
Wet Thermometer.													
Mean of 24 days ...	75·8	75·8	75·5	75·4	75·2	75·0	74·8	75·2	76·3	77·1	77·6	78·0	78·2
Diurnal variation ...	1·0	1·0	0·7	0·6	0·4	0·2	0·0	0·4	1·5	2·3	2·8	3·2	3·4
Tension of vapour ...	·864	·866	·858	·855	·850	·845	·839	·849	·876	·884	·888	·890	·884

Observatory at Batavia.—Hourly observations

Dry Thermometer.													
Mean of 27 days ...	.....	.....	.....	77·3	76·8	76·3	76·1	76·8	78·8	81·2	83·0	84·2	85·1
Diurnal variation ...	.....	.....	.....	1·2	0·7	0·2	0·0	0·7	2·7	5·1	6·9	8·1	9·0
Wet Thermometer.													
Means of 27 days ...	.....	.....	.....	76·1	75·7	75·4	75·2	75·9	77·0	77·8	78·3	78·7	79·0
Diurnal variation ...	.....	.....	.....	0·9	0·5	0·2	0·0	0·7	1·8	2·6	3·1	3·5	3·8
Tension of vapour ...	.....	.....	.....	·870	·861	·854	·849	·869	·890	·896	·898	·901	·903

Observatory at Batavia.—Hourly observations

Dry Thermometer.													
Mean of 26 days ...	.....	.....	.....	76·7	76·0	75·4	75·0	76·3	78·9	81·9	84·1	85·2	86·1
Diurnal variation ...	.....	.....	.....	1·7	1·0	0·4	0·0	1·3	3·9	6·9	9·1	10·2	11·1
Wet Thermometer.													
Mean of 26 days ...	.....	.....	.....	75·8	75·1	74·6	74·5	75·5	76·8	78·2	78·8	79·1	79·3
Diurnal variation ...	.....	.....	.....	1·3	0·6	0·1	0·0	1·0	2·3	3·7	4·3	4·6	4·8
Tension of vapour ...	.....	.....	.....	·866	·846	·833	·833	·858	·881	·906	·906	·908	·907

Table C.

made during the Month of December, 1846.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.	Tension of Vapour.
Dry Thermometer.														
	84·8	84·8	84·7	83·4	81·6	79·9	79·0	78·3	77·9	77·6	77·0	1913·3	79·7	
	9·5	9·5	9·4	8·1	6·3	4·6	3·7	3·0	2·6	2·3	1·7			
Wet Thermometer.														
	78·6	78·5	78·3	77·7	77·1	76·7	76·6	76·4	76·2	76·2	75·8	1838·4	76·5	·859
	4·1	4·0	3·8	3·2	2·6	2·2	2·1	1·9	1·7	1·7	1·3			
	·890	·885	·878	·867	·863	·866	·872	·871	·868	·871	·862	·859		

made during the Month of January, 1847.

Dry Thermometer.														
	84·8	85·0	85·1	84·6	83·4	81·6	80·3	79·6	79·1	78·4	77·8	1910·5	79·8	
	10·2	10·4	10·5	10·0	8·8	7·0	5·7	5·0	4·5	+3·8	3·2			
Wet Thermometer.														
	78·2	78·2	78·3	78·1	77·8	77·0	76·8	76·7	76·5	76·3	76·0	1831·8	76·4	
	4·2	4·2	4·3	4·1	3·8	3·0	2·8	2·7	2·5	2·3	2·0			
	·73	·871	·874	·871	·871	·859	·865	·869	·858	·866	·859	.....	·854	

made during the Month of February, 1847.

Dry Thermometer.														
	84·2	84·5	83·7	82·6	81·3	80·1	79·4	78·7	78·4	78·1	77·5	1902·8	79·5	
	8·6	8·9	8·1	7·0	5·7	4·5	3·8	3·1	2·8	2·5	1·9			
Wet Thermometer.														
	78·5	78·5	78·1	77·7	77·4	77·1	77·1	76·7	76·8	76·7	76·4	1840·9	76·8	·874
	3·7	3·7	3·3	2·9	2·6	2·3	2·3	1·9	2·0	1·9	1·6			
	·892	·889	·881	·876	·879	·880	·888	·879	·887	·886	·881	.....	·874	

made during the Month of March, 1847.

Dry Thermometer.														
	85·7	85·7	85·8	85·1	83·7	81·6	80·7	79·8	78·9	.....	.....	1542·6	81·2	
	9·6	9·6	9·7	9·0	7·6	5·5	4·6	3·7	2·8	.....	.....			
Wet Thermometer.														
	79·1	79·4	79·4	79·1	78·5	77·9	77·5	77·2	76·5	.....	.....	1473·7	77·6	·888
	3·9	4·2	4·2	3·9	3·3	2·7	2·3	2·0	1·3	.....	.....			
	·903	·915	·914	·910	·898	·896	·889	·887	·869	.....	.....	.....	·888	

made during the Month of April, 1847.

Dry Thermometer.														
	86·1	85·4	85·1	84·6	83·1	81·6	80·6	79·7	79·0	.....	.....	1540·8	81·1	
	11·1	10·4	10·1	9·6	8·1	6·6	5·6	4·7	4·0	.....	.....			
Wet Thermometer.														
	79·2	79·1	78·9	78·6	78·1	77·6	77·1	76·8	76·2	.....	.....	1469·3	77·3	·877
	4·7	4·6	4·4	4·1	3·6	3·1	2·6	2·3	1·7	.....	.....			
	·902	·907	·898	·892	·888	·883	·874	·872	·855	.....	.....		·877	

TABLE C.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
Dry Thermometer.										
Mean of 26 days ...	75·5	75·0	74·4	74·0	75·4	79·0	83·2	84·7	86·2	87·3
Diurnal variation ...	1·5	1·0	0·4	0·0	1·4	5·0	9·2	10·7	12·2	13·3
Wet Thermometer.										
Mean of 26 days ...	74·6	74·1	73·7	73·3	74·4	76·2	77·7	78·2	78·8	78·9
Diurnal variation ...	1·3	0·8	0·4	0·0	1·1	2·9	4·4	4·9	5·5	5·6
Tension of vapour...	·832	·818	·810	·798	·825	·855	·869	·874	·882	.874

Observatory at Batavia.—Hourly observations

Dry Thermometer.										
Mean of 26 days ...	74·6	74·1	73·6	73·2	74·6	78·0	82·5	84·9	86·3	87·1
Diurnal variation ...	1·4	0·9	0·4	0·0	1·4	4·8	9·3	11·7	13·1	13·9
Wet Thermometer.										
Mean of 26 days ...	73·6	73·2	72·7	72·5	73·3	74·9	76·8	77·0	77·3	77·8
Diurnal variation ...	0·1	0·7	0·2	0·0	0·8	2·4	4·3	4·5	4·8	5·3
Tension of vapour ...	·804	·794	·780	·777	·791	·816	·839	·821	·818	·829

Observatory at Cocos Island.—Hourly observations made

Dry Thermometer.										
Mean of 27 days ...	77·5	77·4	77·4	77·1	77·5	78·8	80·6	81·9	83·5	83·8
Diurnal variation ...	0·4	0·3	0·3	0·0	0·4	1·7	3·5	4·8	6·4	6·7
Wet Thermometer.										
Mean of 27 days ...	73·6	73·6	73·6	73·5	73·7	74·5	75·7	76·4	77·5	77·6
Diurnal variation ...	0·1	0·1	0·1	0·0	0·2	1·0	2·2	2·9	4·0	4·1
Tension of vapour...	·771	·772	·772	·771	·775	·790	·817	·830	·858	·859

TABLE C.

made during the Month of May, 1847.

1.	2.	3.	4.	5.	6.	7.	8.	9.	Sums.	Means.	Tension of vapour.
Dry Thermometer.											
86·6	85·6	85·4	84·8	83·1	81·0	79·6	78·9	78·3	1538·0	80·9	
12·6	11·6	11·4	10·8	9·1	7·0	5·6	4·9	4·3			
Wet Thermometer.											
78·9	78·8	78·6	78·5	77·9	77·2	77·0	76·6	76·3	1459·7	76·8	·859
5·6	5·5	5·3	5·2	4·6	3·9	3·7	3·3	3·0			
·881	·889	·883	·885	·879	·874	·881	·873	·867	.....	·859	

made during the Month of June, 1847.

Dry Thermometer.											
87·2	86·7	86·1	84·5	83·0	80·6	79·6	78·7	78·2	1533·5	80·7	
14·0	13·5	12·9	11·3	9·8	7·4	6·4	5·5	5·0			
Wet Thermometer.											
77·9	77·8	77·6	77·1	76·8	76·2	75·7	75·4	75·1	1438·7	75·7	·817
5·4	5·3	5·1	4·6	4·3	3·7	3·2	2·9	2·6			
·832	·834	·833	·830	·835	·837	·828	·826	·821	.....	·817	

during the Months of August and September, 1848.

Dry Thermometer.											
83·0	82·1	80·8	79·8	78·8	78·2	78·0	78·1	77·9	1512·2	79·5	
5·9	5·0	3·8	2·8	1·8	1·2	1·0	1·1	0·9			
Wet Thermometer.											
77·1	76·8	75·9	75·3	74·5	74·2	74·2	74·1	74·0	1425·8	75·0	·803
3·6	3·3	2·4	1·8	1·0	0·7	0·7	0·6	0·5			
·847	·845	·823	·810	·790	·784	·785	·774	·782	.....	·803	

TABLE D.

Variation of the Barometer, corrected to 32°, at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Moulmein	.....	.....	.....	·049	·044	·053	·063	·077	·102	·120	·131
Madras	.....	.....	.....	·023	·022	·027	·032	·047	·064	·075	·073
Nicobar	.....	.....	.....	·022	·024	·025	·026	·042	·066	·085	·098
Sambooanga	.....	.....	.....	·025	·029	·036	·045	·065	·083	·091	·090
Penang	.....	.....	.....	·051	·048	·053	·061	·075	·096	·112	·106
Pulo Dinding	.....	.....	.....	·037	·033	·034	·038	·041	·055	·069	·081
Sarawak	·093	·082	·065	·057	·051	·057	·069	·085	·100	·109	·107
Keemah	.....	.....	.....	·031	·035	·040	·048	·066	·084	·087	·087
Pulo Peesang	.....	.....	.....	.....	·057	·056	·066	·088	·108	·111	·116
Singapore	.....	.....	.....	·034	·036	·044	·058	·080	·098	·103	·098
Carimon	.....	.....	.....	.....	.....	·065	·079	·100	·115	·118	·117
Padang	.....	.....	.....	·038	·036	·042	·056	·078	·098	·103	·101
Bencoolen	.....	.....	.....	·028	·028	·024	·030	·032	·053	·065	·062
Batavia, Winter	·078	·064	·052	·045	·046	·053	·068	·089	·110	·114	·107
Batavia, Spring	.....	.....	.....	·037	·040	·055	·066	·083	·101	·108	·103
Cocos	.....	.....	.....	·018	·016	·023	·036	·053	·069	·080	·076

Variation of the Barometer, corrected to 32°, at

June .....1846...	·084	·081	·062	·054	·049	·054	·065	·083	·097	·103	·102
July	·091	·077	·062	·055	·050	·053	·064	·081	·096	·103	·102
August	·103	·087	·071	·062	·055	·063	·077	·091	·106	·120	·116
Sums	·278	·245	·195	·171	·154	·170	·206	·255	·299	·326	·320
Means and Variation...	·093	·082	·065	·057	·051	·057	·069	·085	·100	·109	·107

Variation of the Barometer, corrected to 32°, at

October .....1847...	.....	.....	.....	·029	·031	·038	·052	·073	·095	·099	·104
November	.....	.....	.....	·041	·040	·048	·062	·085	·106	·111	·107
December	.....	.....	.....	·038	·032	·037	·048	·071	·088	·095	·090
January .....1848...	.....	.....	.....	·048	·044	·049	·067	·090	·107	·112	·106
Sums	.....	.....	.....	·156	·147	·172	·229	·319	·396	·417	·407
Means	.....	.....	.....	·039	·037	·043	·057	·079	·099	·104	·102
Variation	.....	.....	.....	·038	·036	·042	·056	·078	·098	·103	·101

Variation of the Barometer, corrected to 32°, at

November .....1848...	.....	.....	.....	·034	·037	·049	·061	·086	·103	·106	·102
December	.....	.....	.....	·035	·035	·040	·056	·074	·093	·100	·095
Means and Variation...	.....	.....	.....	·034	·036	·044	·058	·080	·098	·103	·098

TABLE D.

various Stations in the Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
·121	·109	·087	·055	·019	·004	·000	·002	·013	·026	·037	.....	.....	·058
·064	·054	·040	·025	·011	·002	·000	·007	·017	·030	·043	.....	.....	·035
·087	·071	·043	·021	·002	·001	·000	·008	·021	·032	·044	.....	.....	·038
·079	·063	·044	·025	·008	·000	·015	·030	·048	·059	·075	.....	.....	·049
·103	·090	·071	·045	·011	·000	·019	·023	·031	·041	·053	.....	.....	·057
·081	·070	·057	·028	·004	·001	·000	·001	·006	·010	·021	.....	.....	·035
·091	·070	·044	·018	·001	·000	·006	·020	·044	·062	·085	·098	·099	·068
·073	·061	·039	·020	·008	·000	·010	·023	·044	·058	·075	.....	.....	·045
·083	·052	·030	·014	·001	·000	·009	·025	·035	·049	·061	.....	.....	·053
·084	·061	·037	·012	·000	·001	·013	·034	·052	·066	·073	.....	.....	·052
·106	·082	·062	·014	·004	·000	·005	·027	·032	·049	.....	.....	.....	·061
·087	·064	·038	·014	·000	·000	·011	·032	·051	·070	·080	.....	.....	·052
·051	·036	·026	·009	·000	·008	·013	·021	·033	·043	·050	.....	.....	·032
·091	·066	·041	·017	·001	·000	·012	·032	·052	·073	·088	·100	·095	·061
·088	·065	·042	·019	·000	·001	·010	·026	·038	·049	·060	.....	.....	·054
·064	·043	·027	·011	·000	·002	·012	·025	·044	·060	·071	.....	.....	·038

Sarawak in Borneo, Eastern Archipelago.

·085	·065	·041	·016	·000	·001	·008	·020	·039	·058	·074	·085	·086	·061
·086	·066	·042	·020	·004	·000	·002	·013	·032	·052	·079	·094	·093	·059
·102	·079	·049	·019	·000	·001	·008	·027	·060	·077	·102	·116	·118	·071
·273	·210	·132	·055	·004	·002	·018	·060	·131	·187	·255	·295	·297	·191
·091	·070	·044	·018	·001	·000	·006	·020	·044	·062	·085	·098	·099	·064

Padang in Sumatra, Eastern Archipelago.

·088	·063	·034	·010	·002	·000	·011	·035	·048	·065	·073	.....	.....	·050
·093	·066	·039	·017	·000	·003	·015	·038	·057	·075	·084	.....	.....	·057
·080	·060	·039	·016	·003	·000	·012	·026	·046	·071	·081	.....	.....	·050
·093	·070	·045	·018	·000	·002	·010	·035	·057	·072	·084	.....	.....	·057
·354	·259	·157	·061	·005	·005	·048	·134	·208	·283	·322	.....	.....	·214
·088	·065	·039	·015	·001	·001	·012	·033	·052	·071	·081	.....	.....	·053
·087	·064	·038	·014	·000	·000	·011	·032	·051	·070	·080	.....	.....	·052

Singapore, Eastern Archipelago.

·086	·061	·036	·012	·000	·002	·016	·043	·059	·069	·076	.....	.....	·054
·082	·062	·038	·013	·001	·000	·010	·026	·045	·064	·071	.....	.....	·050
·084	·061	·037	·012	·000	·001	·013	·034	·052	·066	·073	.....	.....	·052

TABLE D.

Variation of the Barometer, corrected to 32°, at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
November .....1846...	·080	·066	·050	·045	·047	·053	·070	·091	·112	·114	·106
December	·081	·066	·055	·046	·046	·053	·068	·090	·119	·129	·122
January .....1847...	·066	·050	·041	·051	·055	·067	·082	·104	·117	·118	·111
February	·092	·081	·070	·046	·044	·046	·060	·079	·099	·103	·097
Sums	·319	·263	·216	·188	·192	·219	·280	·364	·447	·464	·436
Means	·080	·066	·054	·047	·048	·055	·070	·091	·112	·116	·109
Variation	·078	·064	·052	·045	·046	·053	·068	·089	·110	·114	·107

Variation of the Barometer, corrected to 32°, at

March .....1847...	.....	.....	.....	·051	·055	·059	·073	·095	·111	·121	·114
April	.....	.....	.....	·054	·054	·054	·062	·080	·099	·103	·101
May	.....	.....	.....	·040	·048	·056	·067	·080	·100	·109	·101
June	.....	.....	.....	·047	·049	·054	·066	·082	·098	·104	·100
Sums	.....	.....	.....	·192	·206	·223	·268	·337	·408	·437	·416
Means	.....	.....	.....	·038	·041	·056	·067	·084	·102	·109	·104
Variation	.....	.....	.....	·037	·040	·055	·066	·083	·101	·108	·103

Variation of the Gaseous Pressure at

Moulmein	.....	.....	.....	·039	·035	·066	·074	·047	·010	·017	·023
Madras	.....	.....	.....	·062	·074	·093	·110	·106	·131	·139	·146
Nicobar	.....	.....	.....	·187	·177	·180	·182	·166	·108	·115	·078
Sambooanga	.....	.....	.....	·227	·230	·224	·245	·198	·147	·108	·124
Penang	.....	.....	.....	·176	·178	·199	·213	·206	·190	·133	·070
Pulo Dinding.....	.....	.....	.....	·244	·262	·270	·285	·257	·231	·151	·128
Sarawak.....	·140	·134	·124	·122	·120	·131	·150	·156	·148	·127	·112
Keemah	.....	.....	.....	·232	·240	·253	·278	·230	·188	·133	·094
Pulo Peesang.....	.....	.....	.....	.....	·131	·139	·147	·151	·163	·130	·096
Singapore	.....	.....	.....	·054	·059	·070	·096	·122	·134	·128	·120
Carimon.....	.....	.....	.....	.....	.....	·141	·151	·144	·140	·129	·129
Padang	.....	.....	.....	·178	·182	·192	·208	·205	·172	·123	·123
Bencoolen	.....	.....	.....	·159	·167	·169	·175	·122	·113	·103	·090
Batavia, Winter.....	·106	·095	·088	·085	·090	·103	·119	·127	·124	·118	·112
Batavia, Spring.....	.....	.....	.....	·085	·102	·117	·133	·129	·122	·112	·110
Cocos.....	.....	.....	.....	·081	·078	·085	·099	·112	·113	·097	·080

Variation of the Gaseous Pressure at

June .....1846...	·142	·142	·128	·125	·126	·135	·154	·162	·148	·121	·114
July	·143	·134	·128	·129	·126	·134	·151	·159	·154	·129	·109
August	·148	·137	·128	·125	·120	·137	·156	·159	·154	·144	·126
Means	·144	·138	·128	·126	·124	·135	·154	·160	·152	·131	·116
Variation	·140	·134	·124	·122	·120	·131	·150	·156	·148	·127	·112

TABLE D.

Batavia in Java, Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
·089	·065	·040	·017	·000	·008	·021	·041	·066	·088	·104	·103	·097	·065
·101	·067	·043	·017	·000	·001	·014	·036	·055	·090	·107	·110	·106	·067
·097	·077	·050	·024	·008	·000	·014	·032	·051	·061	·071	·079	·074	·063
·085	·065	·038	·017	·002	·000	·007	·025	·043	·060	·077	·115	·111	·058
·372	·274	·171	·075	·010	·009	·056	·134	·215	·299	·359	·407	·388	·253
·093	·068	·043	·019	·003	·002	·014	·034	·054	·075	·090	·102	·097	·063
·091	·066	·041	·017	·001	·000	·012	·032	·052	·073	·088	·100	·095	·061

Batavia in Java, Eastern Archipelago.

·102	·079	·055	·027	·004	·000	·009	·028	·040	·049	·062	.....	.....	·061
·086	·060	·039	·016	·000	·002	·011	·028	·036	·049	·060	.....	.....	·052
·085	·064	·044	·022	·001	·000	·012	·028	·041	·051	·062	.....	.....	·053
·082	·060	·035	·015	·000	·007	·011	·023	·040	·052	·060	.....	.....	·053
·355	·263	·173	·080	·005	·009	·043	·107	·157	·201	·244	.....	.....	·219
·089	·066	·043	·020	·001	·002	·011	·027	·039	·050	·061	.....	.....	·055
·088	·065	·042	·019	·000	·001	·010	·026	·038	·049	·060	.....	.....	·054

various Stations in the Eastern Archipelago.

·025	·008	·015	·044	·011	·002	·003	·005	·001	·000	·016	.....	.....	·023
·147	·136	·117	·093	·050	·010	·019	·019	·000	·008	·022	.....	.....	·079
·083	·061	·006	·027	·000	·000	·017	·051	·095	·112	·150	.....	.....	·094
·144	·094	·069	·008	·009	·000	·053	·086	·126	·161	·187	.....	.....	·130
·053	·065	·072	·056	·032	·000	·053	·080	·092	·117	·144	.....	.....	·112
·102	·141	·077	·085	·000	·087	·111	·164	·180	·212	·204	.....	.....	·168
·099	·074	·042	·022	·002	·000	·006	·029	·050	·081	·113	·133	·143	·096
·046	·000	·076	·045	·054	·068	·079	·110	·146	·182	·209	.....	.....	·146
·066	·056	·020	·020	·020	·000	·027	·034	·067	·090	·109	.....	.....	·080
·100	·065	·031	·016	·000	·005	·025	·036	·046	·063	·072	.....	.....	·066
·103	·093	·061	·000	·014	·006	·025	·052	·078	·114	.....	.....	.....	·087
·089	·051	·020	·003	·000	·005	·030	·071	·101	·140	·155	.....	.....	·111
·073	·041	·020	·000	·026	·026	·036	·075	·119	·147	·158	.....	.....	·096
·091	·066	·038	·015	·000	·008	·018	·040	·057	·079	·098	·107	·110	·078
·092	·068	·044	·014	·000	·003	·016	·035	·052	·066	·088	.....	.....	·075
·040	·018	·014	·000	·011	·026	·056	·075	·093	·120	·123	.....	.....	·070

Sarawak in Borneo.

·100	·065	·039	·024	·000	·003	·023	·026	·051	·083	·114	·129	·143	·098
·100	·085	·063	·043	·018	·000	·017	·007	·047	·081	·117	·136	·144	·101
·108	·084	·041	·012	·005	·009	·000	·007	·065	·091	·121	·147	·154	·100
·103	·078	·046	·026	·006	·004	·010	·013	·054	·085	·117	·137	·147	·100
·099	·074	·042	·022	·002	·000	·006	·009	·050	·081	·113	·133	·143	·096

TABLE D.

Variation of the Gaseous

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
October.....1847...	.....	.....	.....	·166	·172	·188	·208	·189	·166	·114	·135
November	.....	.....	.....	·177	·180	·190	·208	·203	·172	·140	·133
December	.....	.....	.....	·171	·173	·180	·191	·192	·147	·089	·090
January .....1848...	.....	.....	.....	·214	·218	·228	·242	·253	·219	·164	·151
Sums	.....	.....	.....	·728	·743	·786	·849	·837	·704	·507	·509
Means	.....	.....	.....	·182	·186	·196	·212	·209	·176	·127	·127
Variation	.....	.....	.....	·178	·182	·192	·208	·205	·172	·123	·123

Variation of the Gaseous

November .....1848...	.....	.....	.....	·058	·067	·082	·098	·134	·141	·136	·124
December	.....	.....	.....	·050	·052	·057	·095	·111	·127	·121	·116
Means and Variation .	.....	.....	.....	·054	·059	·070	·096	·122	·134	·128	·120

Variation of the Gaseous

November .....1846...	·126	·116	·107	·105	·109	·121	·138	·137	·138	·129	·132
December	·109	·098	·087	·081	·085	·098	·116	·122	·124	·120	·116
January .....1847...	·088	·075	·073	·090	·098	·118	·128	·145	·136	·131	·116
February	·107	·094	·091	·070	·073	·080	·100	·109	·102	·098	·088
Sums	·430	·383	·358	·346	·365	·417	·482	·513	·500	·478	·452
Means	·107	·096	·089	·086	·091	·104	·120	·128	·125	·119	·113
Variation	·106	·095	·088	·085	·090	·103	·119	·127	·124	·118	·112

Variation of the Gaseous

March .....1847...	.....	.....	.....	·091	·104	·115	·134	·136	·131	·135	·126
April	.....	.....	.....	·086	·106	·119	·127	·120	·116	·095	·093
May	.....	.....	.....	·093	·115	·131	·154	·140	·130	·125	·112
June	.....	.....	.....	·076	·088	·107	·122	·124	·115	·098	·112
Sums	.....	.....	.....	·346	·413	·472	·537	·520	·492	·453	·443
Means	.....	.....	.....	·086	·103	·118	·134	·130	·123	·113	·111
Variation	.....	.....	.....	·085	·102	·117	·133	·129	·122	·112	·110

TABLE D.

Pressure at Padang in Sumatra, Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
·092	·059	·026	·000	·005	·006	·015	·061	·097	·137	·145	.....	.....	·106
·110	·054	·031	·004	·000	·009	·043	·081	·097	·135	·154	.....	.....	·115
·063	·041	·005	·000	·012	·019	·039	·062	·099	·150	·159	.....	.....	·106
·107	·068	·031	·026	·000	·003	·038	·098	·128	·153	·179	.....	.....	·135
·372	·222	·093	·030	·017	·037	·135	·302	·421	·575	·637	.....	.....	·462
·093	·055	·024	·007	·004	·009	·034	·075	·105	·144	·159	.....	.....	·115
·089	·051	·020	·003	·000	·005	·030	·071	·101	·140	·155	.....	.....	·111

Pressure Vapour at Singapore.

·101	·071	·033	·004	·000	·003	·026	·044	·053	·068	·074	.....	.....	·071
·098	·060	·060	·028	·000	·008	·023	·028	·038	·059	·070	.....	.....	·062
·100	·065	·031	·016	·000	·005	·025	·036	·046	·063	·072	.....	.....	·066

Pressure at Batavia.—Winter.

·104	·065	·054	·024	·000	·021	·025	·049	·079	·102	·126	·124	·129	·094
·087	·060	·031	·010	·000	·012	·029	·048	·061	·097	·117	·117	·122	·081
·104	·085	·048	·024	·005	·000	·014	·044	·057	·063	·084	·084	·086	·080
·074	·060	·025	·007	·000	·003	·007	·024	·034	·060	·069	·108	·109	·063
·369	·270	·158	·065	·005	·036	·075	·165	·231	·322	·396	·433	·446	·318
·092	·067	·039	·016	·001	·009	·019	·041	·058	·080	·099	·108	·111	·079
·091	·066	·038	·015	·000	·008	·018	·040	·057	·079	·098	·107	·110	·078

Pressure at Batavia.—Spring.

·111	·086	·062	·022	·000	·000	·021	·042	·061	·072	·103	.....	.....	·083
·076	·051	·035	·007	·000	·008	·021	·043	·060	·075	·103	.....	.....	·073
·088	·075	·048	·018	·003	·000	·018	·039	·045	·063	·080	.....	.....	·079
·097	·064	·036	·014	·000	·010	·009	·019	·045	·059	·072	.....	.....	·068
·372	·276	·181	·061	·003	·018	·069	·143	·211	·269	·358	.....	.....	·303
·093	·069	·045	·015	·001	·004	·017	·036	·053	·067	·089	.....	.....	·076
·092	·068	·044	·014	·000	·003	·016	·035	·052	·066	·088	.....	.....	·075

TABLE D.

Observatory at Moulmein.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
											Portable Barometer, 28 English
Mean of 7 days	.....	.....	.....	1·863	1·858	1·866	1·876	1·895	1·938	1·965	1·986
Barom. corr. to 32°...	.....	.....	.....	1·755	1·750	1·759	1·769	1·783	1·808	1·826	1·837
Gaseous pressure ...	.....	.....	.....	0·929	0·925	0·956	0·964	0·937	0·900	0·907	0·913

Observatory at Madras.—Hourly observations

											Portable Barometer, 28 English
Mean of 34 days ...	.....	.....	.....	1·780	1·779	1·783	1·787	1·804	1·830	1·852	1·857
Barom. corr. to 32°...	.....	.....	.....	1·668	1·667	1·672	1·677	1·692	1·709	1·720	1·718
Gaseous pressure ...	.....	.....	.....	0·858	0·870	0·889	0·906	0·902	0·927	0·935	0·942

Observatory at Car Nicobar.—Hourly observations

											Portable Barometer, 28 English
Mean of 5 days	.....	.....	.....	2·017	2·019	2·020	2·022	2·040	2·074	2·101	2·122
Barom. corr. to 32°...	.....	.....	.....	1·918	1·920	1·921	1·922	1·938	1·962	1·981	1·994
Gaseous pressure ...	.....	.....	.....	1·168	1·158	1·161	1·163	1·147	1·089	1·096	1·059

Observatory at Sambooanga.—Hourly observations

											Standard Barometer, 28 English
Mean of 6 days	.....	.....	.....	1·957	1·960	1·967	1·976	2·004	2·035	2·051	2·053
Barom. corr. to 32°...	.....	.....	.....	1·837	1·841	1·848	1·857	1·877	1·895	1·903	1·902
Gaseous pressure ...	.....	.....	.....	1·077	1·080	1·074	1·095	1·048	0·997	0·958	0·974

Observatory at Penang.—Hourly observations

											Portable Barometer, 28 English
Mean of 3 days	.....	.....	.....	1·986	1·981	1·983	1·991	2·007	2·031	2·055	2·057
Barom. corr. to 32°...	.....	.....	.....	1·876	1·873	1·878	1·886	1·900	1·921	1·937	1·931
Gaseous pressure ...	.....	.....	.....	1·067	1·069	1·090	1·104	1·097	1·081	1·024	0·961

Observatory at Pulo Dinding.—Hourly observations

											Portable Barometer, 28 English
Mean of 2 days	.....	.....	.....	2·099	2·092	2·091	2·093	2·096	2·117	2·142	2·165
Barom. corr. to 32°...	.....	.....	.....	1·992	1·988	1·989	1·993	1·996	2·010	2·024	2·036
Gaseous pressure ...	.....	.....	.....	1·212	1·230	1·238	1·253	1·225	1·199	1·119	1·096

Observatory at Sarawak.—Hourly observations

											Standard Barometer, 28 English
Mean of 26 days ...	2·018	2·005	1·993	1·985	1·980	1·985	1·994	2·012	2·028	2·040	2·044
Barom. corr. to 32°...	1·891	1·888	1·869	1·861	1·856	1·861	1·872	1·890	1·904	1·910	1·909
Gaseous pressure ...	1·001	1·001	0·987	0·984	0·985	0·994	1·013	1·021	1·007	0·980	0·973

TABLE D,

made during the Month of April, 1849.

23.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
inches + the numbers in the Table.												
1·987	1·981	1·961	1·929	1·889	1·870	1·861	1·847	1·846	1·853	1·862		
1·827	1·815	1·793	1·761	1·725	1·710	1·706	1·708	1·719	1·732	1·743		
0·915	0·898	0·905	0·934	0·901	0·892	0·893	0·895	0·891	0·890	0·906		

made during the Months of August and September, 1849.

inches + the numbers in the Table.												
1·853	1·846	1·834	1·819	1·801	1·788	1·781	1·781	1·786	1·797	1·808		
1·709	1·699	1·685	1·670	1·656	1·647	1·645	1·652	1·662	1·675	1·688		
0·943	0·932	0·913	0·889	0·846	0·806	0·815	0·815	0·796	0·804	0·818		

made during the Month of February, 1849.

inches + the numbers in the Table.												
2·117	2·102	2·075	2·050	2·029	2·026	2·023	2·023	2·030	2·038	2·047		
1·983	1·967	1·939	1·917	1·898	1·897	1·896	1·904	1·917	1·928	1·940		
1·064	1·042	0·987	1·008	0·981	0·981	0·998	1·032	1·076	1·093	1·131		

made during the Month of May, 1848.

inches + the numbers in the Table.												
2·039	2·026	2·012	1·994	1·979	1·968	1·978	1·988	2·000	2·009	2·019		
1·891	1·875	1·856	1·837	1·820	1·812	1·827	1·842	1·860	1·871	1·887		
0·994	0·944	0·919	0·858	0·859	0·850	0·903	0·936	0·976	1·011	1·037		

made during the Month of January, 1849.

inches + the numbers in the Table.												
2·062	2·051	2·030	2·004	1·971	1·959	1·975	1·974	1·976	1·984	1·993		
1·928	1·915	1·896	1·870	1·836	1·825	1·844	1·848	1·856	1·866	1·878		
0·944	0·956	0·963	0·947	0·923	0·891	0·944	0·971	0·983	1·008	1·035		

made during the Month of January, 1849.

inches + the numbers in the Table.												
2·177	2·173	2·160	2·124	2·098	2·087	2·079	2·075	2·073	2·076	2·086		
2·036	2·025	2·012	1·983	1·959	1·956	1·955	1·956	1·961	1·965	1·976		
1·070	1·109	1·045	1·053	0·968	1·055	1·079	1·132	1·148	1·180	1·172		

made during the Month of June, 1846.

inches + the numbers in the Table.												
2·032	2·015	1·994	1·970	1·953	1·951	1·955	1·965	1·978	1·995	2·011	2·019	2·020
1·892	1·872	1·848	1·823	1·807	1·808	1·815	1·827	1·846	1·865	1·881	1·892	1·893
0·959	0·924	0·898	0·883	0·859	0·862	0·882	0·885	0·910	0·942	0·973	0·988	1·002

TABLE D.

Observatory at Sarawak.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
											Standard Barometer, 28 English
Mean of 27 days ...	2·013	1·998	1·983	1·974	1·969	1·972	1·983	1·998	2·015	2·027	2·029
Barom. corr. to 32°...	1·888	1·874	1·859	1·852	1·847	1·850	1·861	1·878	1·893	1·900	1·899
Gaseous pressure ...	1·013	1·004	0·998	0·999	0·996	1·004	1·021	1·029	1·024	0·999	0·979

Observatory at Sarawak.—Hourly observations

											Standard Barometer, 28 English
Mean of 19 days ...	2·034	2·017	2·000	1·991	1·984	1·990	2·003	2·017	2·035	2·051	2·053
Barom. corr. to 32°...	1·910	1·894	1·878	1·869	1·862	1·870	1·884	1·898	1·913	1·927	1·923
Gaseous pressure ...	1·051	1·040	1·031	1·028	1·023	1·040	1·059	1·062	1·057	1·047	1·029

Observatory at Keemah.—Hourly observations

											Standard Barometer, 28 English
Mean of 10 days ...	.....	.....	.....	1·980	1·981	1·986	1·994	2·016	2·049	2·060	2·068
Barom. corr. to 32°...	.....	.....	.....	1·861	1·865	1·870	1·878	1·896	1·914	1·917	1·917
Gaseous pressure ...	.....	.....	.....	1·096	1·104	1·117	1·142	1·094	1·052	0·997	0·958

Observatory at Pulo Peesang.—Hourly observations

											Standard Barometer, 28 English
Mean of 5 days.....	.....	.....	.....	.....	2·066	2·064	2·074	2·100	2·125	2·137	2·162
Barom. corr. to 32°...	.....	.....	.....	.....	1·962	1·961	1·971	1·993	2·013	2·016	2·021
Gaseous pressure ...	.....	.....	.....	.....	1·104	1·112	1·120	1·124	1·136	1·103	1·069

Observatory at Singapore.—Hourly observations

											Standard Barometer, 28 English
Mean of 16 days ...	.....	.....	.....	2·026	2·029	2·041	2·053	2·075	2·092	2·098	2·097
Barom. corr. to 32°...	.....	.....	.....	1·891	1·894	1·906	1·918	1·943	1·960	1·963	1·959
Gaseous pressure ...	.....	.....	.....	1·028	1·037	1·052	1·068	1·104	1·111	1·106	1·094

Observatory at Singapore.—Hourly observations

											Standard Barometer, 28 English
Mean of 14 days ...	.....	.....	.....	2·017	2·017	2·022	2·036	2·053	2·073	2·083	2·082
Barom. corr. to 32°...	.....	.....	.....	1·887	1·887	1·892	1·908	1·926	1·945	1·952	1·947
Gaseous pressure ...	.....	.....	.....	1·046	1·048	1·053	1·091	1·107	1·123	1·117	1·112

Observatory at Carimon Island.—Hourly observations

											Standard Barometer, 28 English
Mean of 6 days	.....	.....	.....	.....	.....	2·075	2·089	2·116	2·146	2·152	2·153
Barom. corr. to 32°...	.....	.....	.....	.....	.....	1·968	1·982	2·003	2·018	2·021	2·020
Gaseous pressure ...	.....	.....	.....	.....	.....	1·125	1·235	1·128	1·124	1·113	1·113

TABLE D.

made during the Month of July, 1846.

23.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
inches + the numbers in the Table.												
2·018	2·003	1·982	1·960	1·944	1·937	1·939	1·946	1·961	1·979	2·003	2·018	2·017
1·883	1·863	1·839	1·817	1·801	1·797	1·799	1·810	1·829	1·849	1·876	1·891	1·890
0·970	0·955	0·933	0·913	0·888	0·870	0·887	0·877	0·917	0·951	0·987	1·006	1·014

made during the Month of August, 1846.

inches + the numbers in the Table.												
2·044	2·026	2·000	1·972	1·953	1·949	1·953	1·969	1·997	2·011	2·036	2·048	2·049
1·909	1·886	1·856	1·826	1·807	1·808	1·815	1·834	1·867	1·884	1·909	1·923	1·925
1·011	0·987	0·944	0·915	0·908	0·912	0·903	0·910	0·968	0·994	1·024	1·050	1·057

made during the Month of June, 1848.

inches + the numbers in the Table.												
2·062	2·052	2·028	2·001	1·984	1·976	1·981	1·991	2·006	2·018	2·030		
1·903	1·891	1·869	1·850	1·838	1·830	1·840	1·853	1·874	1·888	1·905		
0·910	0·864	0·940	0·909	0·918	0·932	0·943	0·974	1·010	1·046	1·073		

made during the Month of January, 1846.

inches + the numbers in the Table.												
2·124	2·097	2·074	2·052	2·030	2·031	2·030	2·037	2·047	2·062	2·072		
1·988	1·957	1·935	1·919	1·906	1·905	1·914	1·930	1·940	1·954	1·966		
1·039	1·029	0·993	0·993	0·993	0·973	1·000	1·037	1·040	1·063	1·082		

made during the Month of November, 1848.

inches + the numbers in the Table.												
2·081	2·058	2·033	2·009	1·997	1·998	2·011	2·038	2·054	2·064	2·068		
1·943	1·918	1·893	1·869	1·857	1·859	1·873	1·900	1·916	1·926	1·933		
1·071	1·041	1·003	0·974	0·970	0·973	0·996	1·014	1·023	1·038	1·044		

made during the Month of December, 1848.

inches + the numbers in the Table.												
2·069	2·050	2·027	2·002	1·989	1·987	1·997	2·010	2·029	2·048	2·055		
1·934	1·914	1·890	1·865	1·853	1·852	1·862	1·878	1·897	1·916	1·923		
1·094	1·056	1·026	1·024	0·996	1·004	1·019	1·024	1·034	1·055	1·066		

made during the Month of January, 1846.

inches + the numbers in the Table.												
2·143	2·124	2·105	2·058	2·046	2·039	2·043	2·053	2·052	2·064			
2·009	1·985	1·965	1·917	1·907	1·903	1·908	1·930	1·935	1·952			
1·087	1·077	1·045	0·954	0·998	0·990	1·009	1·136	1·062	1·098			

TABLE D.

Observatory at Padang.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
											Standard Barometer, 28 English
Mean of 13 days ...	.....	.....	.....	2·004	2·006	2·013	2·027	2·050	2·080	2·098	2·111
Barom. corr. to 32°...	.....	.....	.....	1·890	1·892	1·899	1·913	1·934	1·956	1·960	1·965
Gaseous pressure ...	.....	.....	.....	1·143	1·149	1·165	1·185	1·166	1·143	1·091	1·112

Observatory at Padang.—Hourly observations

											Standard Barometer, 28 English
Mean of 26 days ...	.....	.....	.....	2·004	2·003	2·009	2·023	2·048	2·077	2·096	2·100
Barom. corr. to 32°...	.....	.....	.....	1·888	1·887	1·895	1·909	1·932	1·953	1·958	1·954
Gaseous pressure ...	.....	.....	.....	1·131	1·134	1·144	1·162	1·157	1·126	1·094	1·087

Observatory at Padang.—Hourly observations

											Standard Barometer, 28 English
Mean of 26 days ...	.....	.....	.....	1·970	1·967	1·972	1·983	2·006	2·031	2·049	2·055
Barom. corr. to 32°...	.....	.....	.....	1·857	1·851	1·856	1·867	1·890	1·907	1·914	1·909
Gaseous pressure ...	.....	.....	.....	1·108	1·110	1·117	1·128	1·129	1·084	1·026	1·027

Observatory at Pedang.—Hourly observations

											Standard Barometer, 28 English
Mean of 13 days ...	.....	.....	.....	1·985	1·981	1·986	2·004	2·027	2·052	2·068	2·070
Barom. corr. to 32°...	.....	.....	.....	1·869	1·865	1·870	1·888	1·911	1·928	1·933	1·927
Gaseous pressure ...	.....	.....	.....	1·102	1·106	1·116	1·130	1·141	1·107	1·052	1·039

Observatory at Poolo Bay.—Hourly observations

											Portable Barometer, 28 English
Mean of 5 days	.....	.....	.....	1·954	1·952	1·948	1·954	1·962	1·990	2·010	2·015
Barom. corr. to 32°...	.....	.....	.....	1·855	1·855	1·851	1·857	1·859	1·880	1·892	1·889
Gaseous pressure ...	.....	.....	.....	1·035	1·043	1·045	1·051	0·998	0·989	0·979	0·966

Observatory at Batavia.—Hourly observations

											Standard Barometer, 28 English
Mean of 19 days ...	2·000	1·983	1·967	1·961	1·962	1·968	1·985	2·006	2·032	2·042	2·039
Barom. corr. to 32°...	1·873	1·859	1·843	1·838	1·840	1·846	1·863	1·884	1·905	1·907	1·899
Gaseous pressure ...	1·023	1·013	1·004	1·002	1·006	1·018	1·035	1·034	1·035	1·026	1·029

Observatory at Batavia.—Hourly observations

											Standard Barometer, 28 English
Mean of 26 days ...	1·999	1·984	1·973	1·963	1·962	1·969	1·984	2·007	2·040	2·058	2·056
Barom. corr. to 32°...	1·875	1·860	1·849	1·840	1·840	1·847	1·862	1·884	1·913	1·923	1·916
Gaseous pressure ...	1·025	1·014	1·003	0·997	1·001	1·014	1·032	1·038	1·040	1·036	1·032

TABLE D.

made during the Month of October, 1847.

	23.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
inches + the numbers in the Table.													
	2·103	2·080	2·051	2·027	2·017	2·009	2·015	2·031	2·039	2·050	2·056	.....	.....
	1·949	1·924	1·895	1·871	1·863	1·861	1·872	1·896	1·909	1·926	1·934	.....	.....
	1·069	1·036	1·003	0·977	0·982	0·983	0·992	1·038	1·074	1·114	1·122	.....	.....

made during the Month of November, 1847.

inches + the numbers in the Table.													
	2·091	2·069	2·045	2·020	2·001	1·998	2·005	2·020	2·034	2·049	2·055		
	1·940	1·913	1·886	1·864	1·847	1·850	1·862	1·885	1·904	1·922	1·931		
	1·064	1·008	0·985	0·958	0·954	0·963	0·997	1·035	1·051	1·089	1·108		

made during the Month of December, 1847.

inches + the numbers in the Table.													
	2·050	2·038	2·019	1·996	1·978	1·970	1·974	1·983	1·995	2·014	2·022		
	1·899	1·879	1·858	1·835	1·822	1·819	1·831	1·845	1·865	1·890	1·900		
	1·000	0·978	0·942	0·937	0·949	0·956	0·976	0·999	1·036	1·087	1·096		

made during the Month of January, 1848.

inches + the numbers in the Table.													
	2·065	2·047	2·027	2·000	1·980	1·977	1·979	1·996	2·010	2·020	2·029		
	1·914	1·891	1·866	1·839	1·821	1·823	1·831	1·856	1·878	1·893	1·905		
	0·995	0·956	0·919	0·914	0·888	0·891	0·926	0·986	1·016	1·041	1·067		

made during the Months of August and September, 1847.

inches + the numbers in the Table.													
	2·006	1·994	1·982	1·960	1·948	1·955	1·958	1·960	1·970	1·975	1·980	.....	.....
	1·878	1·863	1·853	1·836	1·827	1·835	1·840	1·848	1·860	1·870	1·877	.....	.....
	0·949	0·917	0·896	0·876	0·902	0·902	0·912	0·951	0·995	1·023	1·034	.....	.....

made during the Month of November, 1846.

inches + the numbers in the Table.													
	2·028	2·007	1·983	1·959	1·941	1·947	1·955	1·972	1·994	2·013	2·027	2·026	2·017
	1·882	1·858	1·833	1·810	1·793	1·801	1·814	1·834	1·859	1·881	1·897	1·896	1·890
	1·001	0·962	0·951	0·921	0·897	0·918	0·922	0·946	0·969	0·999	1·023	1·021	1·026

made during the Month of December, 1846.

inches + the numbers in the Table.													
	2·041	2·007	1·984	1·957	1·940	1·938	1·948	1·965	1·981	2·014	2·031	2·031	2·027
	1·895	1·861	1·837	1·811	1·794	1·795	1·808	1·830	1·849	1·884	1·901	1·904	1·900
	1·003	0·976	0·947	0·926	0·916	0·928	0·945	0·964	0·977	1·013	1·033	1·033	1·038

Table D.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
											Standard Barometer, 28 English
Mean of 25 days ...	1·997	1·979	1·969	1·977	1·981	1·992	2·007	2·029	2·045	2·052	2·050
Barom. corr. to 32°...	1·870	1·854	1·845	1·855	1·859	1·871	1·886	1·908	1·921	1·922	1·915
Gaseous pressure ...	1·021	1·008	1·006	1·023	1·031	1·051	1·061	1·078	1·069	1·064	1·049

Observatory at Batavia.—Hourly observations

											Standard Barometer, 28 English
Mean of 24 days ...	2·018	2·006	1·994	1·970	1·968	1·969	1·982	2·001	2·023	2·033	2·032
Barom. corr. to 32°...	1·892	1·881	1·870	1·846	1·844	1·846	1·860	1·879	1·899	1·903	1·897
Gaseous pressure ...	1·028	1·015	1·012	0·991	0·994	1·001	1·021	1·030	1·023	1·019	1·009

Observatory at Batavia.—Hourly observations

											Standard Barometer, 28 English
Mean of 27 days ...	.....	.....	.....	1·993	1·994	1·998	2·012	2·034	2·053	2·068	2·067
Barom. corr. to 32°...	.....	.....	.....	1·866	1·870	1·874	1·888	1·910	1·926	1·936	1·929
Gaseous pressure ...	.....	.....	.....	0·996	1·009	1·020	1·039	1·041	1·036	1·040	1·031

Observatory at Batavia.—Hourly observations

											Staudard Barometer, 28 English
Mean of 26 days ...	.....	.....	.....	1·999	1·998	1·997	2·004	2·024	2·046	2·058	2·061
Barom. corr. to 32°...	.....	.....	.....	1·874	1·874	1·874	1·882	1·900	1·919	1·923	1·921
Gaseous pressure ...	.....	.....	.....	1·008	1·028	1·041	1·049	1·042	1·038	1·017	1·015

Observatory at Batavia.—Hourly observations

											Standard Barometer, 28 English
Mean of 26 days ...	.....	.....	.....	1·983	1·989	1·995	2·005	2·021	2·046	2·066	2·062
Barom. corr. to 32°...	.....	.....	.....	1·859	1·867	1·875	1·886	1·899	1·919	1·928	1·920
Gaseous pressure ...	.....	.....	.....	1·027	1·049	1·065	1·088	1·074	1·064	1·059	1·046

Observatory at Batavia.—Hourly observations

											Standard Barometer, 28 English
Mean of 26 days ...	.....	.....	.....	1·984	1·983	1·988	1·997	2·016	2·037	2·054	2·056
Barom. corr. to 32°...	.....	.....	.....	1·862	1·864	1·869	1·881	1·897	1·913	1·919	1·915
Gaseous pressure ...	.....	.....	.....	1·058	1·070	1·089	1·104	1·106	1·097	1·080	1·094

Observatory at Cocos Island.—Hourly observations

											Standard Barometer, 28 English
Mean of 27 days ...	.....	.....	.....	2·059	2·057	2·064	2·077	2·094	2·113	2·129	2·131
Barom. corr. to 32°...	.....	.....	.....	1·935	1·933	1·940	1·953	1·970	1·986	1·997	1·993
Gaseous pressure ...	.....	.....	.....	1·164	1·161	1·168	1·182	1·195	1·196	1·180	1·163

TABLE D.

23.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
made during the Month of January, 1847.												
inches +the numbers in the Table.												
2·040	2·022	1·998	1·974	1·958	1·950	1·961	1·976	1·991	2·000	2·007	2·014	2·008
1·901	1·881	1·854	1·828	1·812	1·804	1·818	1·836	1·855	1·865	1·875	1·883	1·878
1·037	1·018	0·981	0·957	0·938	0·933	0·947	0·977	0·990	0·996	1·017	1·017	1·019
made during the Month of February, 1847.												
inches +the numbers in the Table.												
2·023	2·005	1·981	1·961	1·945	1·941	1·945	1·960	1·975	1·991	2·007	2·044	2·039
1·885	1·865	1·838	1·817	1·802	1·800	1·807	1·825	1·843	1·860	1·877	1·915	1·911
0·995	0·981	0·946	0·928	0·921	0·924	0·928	0·945	0·955	0·981	0·990	1·029	1·030
made during the Month of March, 1847.												
inches +the numbers in the Table.												
2·058	2·038	2·016	1·989	1·966	1·961	1·968	1·983	1·993	2·000	2·009		
1·917	1·894	1·870	1·842	1·819	1·815	1·824	1·843	1·855	1·864	1·877		
1·016	0·991	0·967	0·927	0·903	0·905	0·926	0·947	0·966	0·977	1·008		
made during the Month of April, 1847.												
inches +the numbers in the Table.												
2·049	2·027	2·007	1·984	1·967	1·968	1·974	1·988	1·994	2·004	2·012		
1·906	1·880	1·859	1·836	1·820	1·822	1·831	1·848	1·856	1·869	1·880		
0·998	0·973	0·957	0·929	0·922	0·930	0·943	0·965	0·982	0·997	1·025		
during the Months of May, 1847.												
inches +the numbers in the Table.												
2·051	2·034	2·014	1·989	1·968	1·966	1·975	1·987	1·996	2·005	2·013		
1·904	1·883	1·863	1·841	1·820	1·819	1·831	1·847	1·860	1·870	1·881		
1·022	1·009	0·982	0·952	0·937	0·934	0·952	0·973	0·979	0·997	1·014		
made during the Month of June, 1847.												
inches +the numbers in the Table.												
2·045	2·026	2·002	1·981	1·966	1·969	1·969	1·977	1·991	2·000	2·007		
1·897	1·875	1·850	1·830	1·815	1·822	1·826	1·838	1·855	1·867	1·875		
1·079	1·046	1·018	0·996	0·982	0·992	0·991	1·001	1·027	1·041	1·054		
made during the Months of August and September, 1848.												
inches +the numbers in the Table.												
2·121	2·103	2·087	2·068	2·055	2·054	2·061	2·072	2·088	2·104	2·115		
1·981	1·960	1·944	1·928	1·917	1·919	1·929	1·942	1·961	1·977	1·988		
1·123	1·101	1·097	1·083	1·094	1·109	1·139	1·158	1·176	1·203	1·206		

TABLE E.

Diurnal variation of the Standard Thermometer at

Astron. Mean Time.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.
Moulmein	.....	.....	.....	0·4	0·5	0·2	0·0	1·7	7·6	11·4	15·4
Madras	.....	.....	.....	1·2	0·8	0·3	0·0	1·2	4·6	8·0	10·5
Nicobar	.....	.....	.....	0·0	0·2	0·2	0·4	1·0	4·3	7·2	10·5
Sambooanga	.....	.....	.....	0·2	0·1	0·1	0·0	3·4	9·1	10·7	11·4
Penang	.....	.....	.....	1·1	0·9	0·1	0·0	0·7	2·1	6·0	10·0
Pulo Dinding	.....	.....	.....	1·9	1·0	0·5	0·0	0·4	2·7	7·4	12·7
Sarawak	1·7	1·4	1·1	0·8	0·5	0·3	0·1	0·0	0·9	2·8	4·7
Keemah	.....	.....	.....	0·9	0·5	0·3	0·0	2·1	8·1	11·0	14·2
Pulo Peesang	.....	.....	.....	0·7	0·0	0·2	1·1	2·5	6·0	10·6	13·7
Singapore	.....	.....	.....	0·9	0·8	0·6	0·3	0·0	0·4	1·1	1·7
Carimon	.....	.....	.....	.....	.....	0·3	0·0	2·2	5·3	8·6	10·8
Padang	.....	.....	.....	0·6	0·3	0·1	0·0	1·1	5·1	9·7	12·6
Bencoolen	.....	.....	.....	0·5	0·2	0·1	0·0	2·0	4·9	7·7	10·2
Batavia, Winter	1·9	1·6	1·2	0·7	0·5	0·2	0·0	0·5	2·1	4·3	6·2
Batavia, Spring	.....	.....	.....	1·1	0·7	0·2	0·0	0·6	2·6	5·6	7·5
Cocos	.....	.....	.....	0·3	0·1	0·2	0·0	0·4	1·5	3·4	4·8

Observatory at Moulmein.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Noon.
Standard Thermometer.													
Mean of 7 days	.....	.....	.....	77·7	77·5	77·2	77·0	78·7	84·6	88·4	92·4	97·1	99·7
Diurnal variation	.....	.....	.....	0·4	0·5	0·2	0·0	1·7	7·6	11·4	15·4	20·1	22·7

Observatory at Madras.—Hourly observations

Standard Thermometer.													
Mean of 34 days	.....	.....	.....	78·8	78·4	77·9	77·6	78·8	82·2	85·6	88·1	90·2	92·0
Diurnal variation	.....	.....	.....	1·2	0·8	0·3	0·0	1·2	4·6	8·0	10·5	12·6	14·4

Observatory at Car Nicobar.—Hourly observations

Standard Thermometer.													
Mean of 5 days	.....	.....	.....	73·8	74·0	74·0	74·2	74·8	78·1	81·0	84·3	86·6	87·4
Diurnal variation	.....	.....	.....	0·0	0·2	0·2	0·4	1·0	4·3	7·2	10·5	12·8	13·6

Observatory at Sambooanga.—Hourly observations

Standard Thermometer.													
Mean of 6 days	.....	.....	.....	74·9	74·8	74·8	74·7	78·1	83·8	85·4	86·1	84·7	86·5
Diurnal variation	.....	.....	.....	0·2	0·1	0·1	0·0	3·4	9·1	10·7	11·4	10·0	11·8

TABLE E.

various stations in the Eastern Archipelago.

23.	Noon.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Mean.
20·1	22·7	23·4	23·7	23·2	19·7	17·6	11·5	15·3	17·2	18·2	.....	.....	11·4
12·6	14·4	15·5	15·2	13·9	12·6	10·4	7·7	6·0	5·0	4·4	.....	.....	7·6
12·8	13·6	14·3	13·2	12·2	12·1	11·0	7·8	5·7	4·7	3·6	.....	.....	7·1
10·0	11·8	13·5	14·3	13·9	12·7	10·7	8·7	8·4	6·1	5·0	.....	.....	7·8
12·4	13·3	12·0	10·8	11·0	9·5	8·2	6·2	4·8	4·0	3·6	.....	.....	6·2
17·9	19·4	20·6	18·6	16·8	13·0	9·7	6·8	5·1	4·3	3·8	.....	.....	8·5
6·3	7·8	8·6	8·9	8·6	7·7	6·9	5·7	3·9	3·2	2·8	2·4	2·0	3·7
16·4	17·9	15·3	13·3	12·0	11·1	9·3	7·8	6·2	5·3	4·5	.....	.....	8·2
14·9	15·0	10·9	8·4	7·6	5·2	3·7	3·2	3·5	2·7	.....	.....	.....	6·1
2·1	2·4	2·6	2·5	2·5	2·3	2·0	1·8	1·7	1·6	1·2	.....	.....	1·5
13·9	14·4	14·4	15·0	13·1	11·8	9·3	5·8	4·3	3·3	.....	.....	.....	8·3
15·0	16·6	17·5	16·8	15·1	12·8	10·3	7·4	5·4	4·0	3·1	.....	.....	8·1
11·0	12·4	14·8	10·0	8·9	9·0	7·8	6·1	4·9	3·3	2·6	.....	.....	6·1
7·6	8·4	9·0	9·1	8·7	8·0	6·9	5·5	4·5	3·9	3·4	3·1	2·5	4·2
9·0	10·1	10·3	10·2	10·1	9·3	8·2	6·6	5·6	4·8	4·1	.....	.....	5·6
6·4	6·8	6·8	5·8	4·7	3·5	2·4	1·5	1·2	1·0	0·9	.....	.....	2·6

made during the Month of April, 1849.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.
Standard Thermometer.												
100·4	100·7	99·2	96·7	94·6	88·5	84·5	82·6	81·6	.....	.....	1679·1	88·4
23·4	23·7	22·2	19·7	17·6	11·5	7·5	5·6	4·6				

made during the Months of August and September, 1849.

Standard Thermometer.												
93·1	92·8	91·5	90·2	88·0	85·3	83·6	82·6	82·0	.....	.....	1618·7	85·2
15·5	15·2	13·9	12·6	10·4	7·7	6·0	5·0	4·4				

made during the Month of February, 1849.

Standard Thermometer.												
88·1	87·0	86·0	85·9	84·8	81·6	79·5	78·5	77·4	.....	.....	1537·0	80·9
14·3	13·2	12·2	12·1	11·0	7·8	5·7	4·7	3·6				

made during the Month of May, 1848.

Standard Thermometer.												
88·2	89·0	88·6	87·4	85·4	83·4	81·9	80·8	79·7	.....	.....	1568·2	82·5
13·5	14·3	13·9	12·7	10·7	8·7	7·2	6·1	5·0				

TABLE E.

Observatory at Penang.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	Noon.
Standard Thermometer.													
Mean of 5 days	.....	.....	.....	76·6	76·4	75·6	75·6	76·2	77·6	81·5	85·5	87·9	88·8
Diurnal variation ...	.....	.....	.....	1·1	0·9	0·1	0·0	0·7	2·1	6·0	10·0	12·4	13·3

Observatory at Pulo Dinding.—Hourly observations

Standard Thermometer.													
Mean of 3 days	.....	.....	.....	76·0	75·1	74·6	74·1	74·5	76·8	81·5	86·8	92·0	93·5
Diurnal variation ...	.....	.....	.....	1·9	1·0	0·5	0·0	0·4	2·7	7·4	12·7	17·9	19·4

Observatory at Sarawak.—Hourly observations

Standard Thermometer.													
Mean of 26 days ...	77·5	77·2	76·8	76·5	76·3	76·1	75·9	75·9	76·9	78·9	80·9	82·6	83·9
Diurnal variation ...	1·6	1·3	0·9	0·6	0·4	0·2	0·0	0·0	1·0	3·0	5·0	6·7	8·0

Observatory at Sarawak.—Hourly observations

Standard Thermometer.													
Mean of 27 days ...	77·0	76·8	76·4	76·1	75·9	75·7	75·4	75·3	76·1	77·9	79·5	81·0	82·4
Diurnal variation	1·7	1·5	1·1	0·8	0·6	0·4	0·1	0·0	0·8	2·6	4·2	5·7	7·1

Observatory at Sarawak.—Hourly observations

Standard Thermometer.													
Mean of 19 days ...	76·6	76·3	76·0	75·7	75·4	75·2	74·9	74·9	75·8	77·7	79·6	81·4	83·0
Diurnal variation ...	1·7	1·4	1·1	0·8	0·5	0·3	0·0	0·0	0·9	2·8	4·7	6·5	8·1

Observatory at Keemah.—Hourly observations

Standard Thermometer.													
Mean of 10 days ...	.....	.....	.....	74·3	73·9	73·7	73·4	75·5	81·5	84·4	87·6	89·8	91·3
Diurnal variation ...	.....	.....	.....	0·9	0·5	0·3	0·0	2·1	8·1	11·0	14·2	16·4	17·9

Observatory at Pulo Peesang.—Hourly observations

Standard Thermometer.													
Mean of 5 days	.....	.....	.....	.....	75·9	75·2	75·4	76·3	77·7	81·2	85·8	88·9	90·1
Diurnal variation ...	.....	.....	.....	.....	0·7	0·0	0·2	1·1	2·5	6·0	10·6	13·7	14·9

Observatory at Singapore.—Hourly observations

Standard Thermometer.													
Mean of 16 days ...	.....	.....	.....	79·3	79·2	79·1	78·9	78·6	78·9	79·4	79·9	80·5	80·7
Diurnal variation ...	.....	.....	.....	0·7	0·6	0·5	0·3	0·0	0·3	0·8	1·3	1·9	2·1

TABLE E.

made during the Month of January, 1849.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.
Standard Thermometer.	87·5	86·3	86·5	85·0	83·7	81·7	80·3	79·5	79·1	.....	.....	1551·2	81·7
	12·0	10·8	11·0	9·5	8·2	6·2	4·8	4·0	3·6				

made during the Month of January, 1849.

Standard Thermometer.	94·7	92·7	90·9	87·1	83·8	80·9	79·2	78·4	77·9	.....	.....	1570·5	82·6
	20·6	18·6	16·8	13·0	9·7	6·8	5·1	4·3	3·8				

made during the Month of June, 1846.

Standard Thermometer.	84·6	84·6	84·2	83·5	82·6	81·2	79·9	79·2	78·6	78·2	77·8	1909·8	79·6
	8·7	8·7	8·3	7·6	6·7	5·3	4·0	3·3	2·7	2·3	1·9		

made during the Month of July, 1846.

Standard Thermometer.	83·1	83·5	83·2	82·9	82·0	81·0	79·2	78·6	78·1	77·7	77·3	1892·1	78·8
	7·8	8·2	7·9	7·6	6·7	5·7	3·9	3·3	2·8	2·4	2·0		

made during the Month of August, 1846.

Standard Thermometer.	84·2	84·5	84·3	82·8	82·0	80·8	78·7	77·9	77·6	77·3	77·0	1889·6	78·7
	9·3	9·6	9·4	7·9	7·1	5·9	3·8	3·0	2·7	2·4	2·1		

made during the Month of June, 1848.

Standard Thermometer.	88·7	86·7	85·4	84·5	82·7	81·2	79·6	78·7	77·9	.....	.....	1550·8	81·5
	15·3	13·3	12·0	11·1	9·3	7·8	6·2	5·3	4·5				

made during the Month of January, 1846.

Standard Thermometer.	90·2	86·1	83·6	82·8	80·4	78·9	78·4	78·7	77·9	.....	.....	1463·5	81·5
	15·0	10·9	8·4	7·6	5·2	3·7	3·2	3·5	2·7				

made during the Month of November, 1848.

Standard Thermometer.	80·9	80·9	80·8	80·5	80·4	80·3	80·1	79·9	79·5	.....	.....	1517·8	79·9
	2·3	2·3	2·2	1·9	1·8	1·7	1·5	1·3	0·9				

TABLE E.

Observatory at Singapore.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
Standard Thermometer.													
Mean of 14 days ...	.....	.....	.....	79·0	78·9	78·7	78·2	78·0	78·5	79·4	80·0	80·3	80·7
Diurnal variation ...	.....	.....	.....	1·0	0·9	0·7	0·2	0·0	0·5	1·4	2·0	2·3	2·7

Observatory at Carimon Island.—Hourly observations

Standard Thermometer.													
Mean of 6 days	.....	.....	.....	.....	.....	76·7	76·4	78·6	81·7	85·0	87·2	90·3	90·8
Diurnal variation ...	.....	.....	.....	.....	.....	0·3	0·0	2·3	5·3	8·6	10·8	13·9	14·4

Observatory at Padang.—Hourly observations

Standard Thermometer.													
Mean of 13 days ...	.....	.....	.....	73·0	72·8	72·6	72·4	74·1	78·2	82·6	85·3	87·3	88·7
Diurnal variation ...	.....	.....	.....	0·6	0·4	0·2	0·0	1·7	5·8	10·2	12·9	14·9	16·3

Observatory at Padang.—Hourly observations

Standard Thermometer.													
Mean of 26 days ...	.....	.....	.....	73·4	73·2	73·0	73·0	74·5	78·5	82·9	85·3	87·5	88·8
Diurnal variation ...	.....	.....	.....	0·4	0·2	0·0	0·0	1·5	5·5	9·9	12·3	14·5	15·8

Observatory at Padang.—Hourly observations

Standard Thermometer.													
Mean of 26 days ...	.....	.....	.....	74·0	73·5	73·3	73·2	74·1	77·8	82·7	86·2	88·6	90·8
Diurnal variation ...	.....	.....	.....	0·8	0·3	0·7	0·0	0·9	4·6	9·5	13·0	15·4	17·6

Observatory at Padang.—Hourly observations

Standard Thermometer.													
Mean of 13 days ...	.....	.....	.....	73·8	73·5	73·3	73·2	73·9	77·7	82·6	85·7	88·6	89·9
Diurnal variation ...	.....	.....	.....	0·6	0·3	0·1	0·0	0·7	4·5	9·4	12·5	15·4	16·7

Observatory at Poolo Bay.—Hourly observations

Standard Thermometer.													
Mean of 5 days ...	.....	.....	.....	73·7	73·4	73·3	73·2	75·2	78·1	80·9	83·4	84·2	85·6
Diurnal variation ...	.....	.....	.....	0·5	0·2	0·1	0·0	2·0	4·9	7·7	10·2	11·0	12·4

Observatory at Batavia.—Hourly observations

Standard Thermometer.													
Mean of 19 days ...	77·7	77·4	76·9	76·6	76·3	76·0	75·7	76·5	78·7	80·9	83·1	84·9	85·8
Diurnal variation ...	2·0	1·7	1·2	0·9	0·6	0·3	0·0	0·8	3·0	5·2	7·4	9·2	10·1

TABLE E.

made during the Month of December, 1848.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.
Standard Thermometer.	80·8	80·6	80·7	80·6	80·1	79·8	79·8	79·7	79·4	.....	.....	1513·2	79·6
	2·8	2·6	2·7	2·6	2·1	1·8	1·8	1·7	1·4				

made during the Month of January, 1846.

Standard Thermometer.	90·8	91·4	89·5	88·2	85·7	82·2	80·7	79·7	.....	.....	.....	1354·9	84·8
	14·4	15·0	13·1	11·8	9·3	5·8	4·3	3·3					

made during the Month of October, 1847.

Standard Thermometer.	88·9	88·5	87·2	84·9	82·1	79·7	77·9	76·4	75·6	.....	.....	1528·2	80·5
	16·5	16·1	14·8	12·5	9·7	7·3	5·5	4·0	3·2				

made during the Month of November, 1847.

Standard Thermometer.	89·4	88·4	86·9	85·0	82·9	80·2	78·5	77·2	76·3	.....	.....	1534·9]	80·8
	16·4	15·4	13·9	12·0	9·9	7·2	5·5	4·2	3·3				

made during the Month of December, 1847.

Standard Thermometer.	91·5	90·6	88·9	85·7	83·3	80·3	78·2	77·0	75·9	.....	.....	1545·6	81·3
	18·3	17·4	15·7	12·5	10·1	7·1	5·0	3·8	2·7				

made during the Month of January, 1848.

Standard Thermometer.	92·1	91·5	89·5	87·5	84·8	81·3	79·0	77·4	76·5	.....	.....	1551·8	81·7
	18·9	18·3	16·3	14·3	11·6	8·1	5·8	4·2	3·3				

made during the Months of August and September, 1847.

Standard Thermometer.	85·0	83·2	82·1	82·2	81·0	79·3	78·1	76·5	75·8	.....	.....	1504·2	79·3
	11·8	10·0	8·9	9·0	7·8	6·1	4·9	3·3	2·6				

made during the Month of November, 1846.

Standard Thermometer.	86·0	86·0	85·2	84·2	83·0	81·3	80·4	79·7	79·1	78·7	78·3	1928·4	80·3
	10·3	10·3	9·5	8·5	7·3	5·6	4·7	4·0	3·4	3·0	2·6		

TABLE E.

Observatory at Batavia.—Hourly observations

Astron. Mean Time of Station.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	0.
Standard Thermometer.													
Mean of 26 days ...	77·3	77·1	76·8	76·4	76·1	75·9	75·7	76·3	78·3	80·9	83·2	84·4	84·2
Diurnal variation ...	1·6	1·4	1·1	0·7	0·4	0·2	0·0	0·6	2·6	5·2	7·5	8·7	8·5

Observatory at Batavia.—Hourly observations

Standard Thermometer.													
Mean of 25 days ...	78·1	77·7	77·0	76·4	76·0	75·6	75·4	75·8	77·2	79·4	80·9	82·2	83·3
Diurnal variation ...	2·7	2·3	1·6	1·0	0·6	0·2	0·0	0·4	1·8	4·0	5·5	6·8	7·9

Observatory at Batavia.—Hourly observations

Standard Thermometer.													
Mean of 24 days ...	77·5	77·3	77·0	76·6	76·4	76·2	76·1	76·3	77·3	79·1	80·6	82·0	83·2
Diurnal variation ...	1·4	1·2	0·9	0·5	0·3	0·1	0·0	0·2	1·2	3·0	4·5	5·9	7·1

Observatory at Batavia.—Hourly observations

Standard Thermometer.													
Mean of 27 days ...	.....	.....	.....	77·8	77·4	77·0	76·7	77·0	78·3	80·4	82·2	83·6	84·4
Diurnal variation ...	.....	.....	.....	1·1	0·7	0·3	0·0	0·3	1·6	3·7	5·5	6·9	7·7

Observatory at Batavia.—Hourly observations

Standard Thermometer.													
Mean of 26 days ...	.....	.....	.....	77·3	76·7	76·2	76·1	76·7	78·6	81·0	83·1	84·4	85·3
Diurnal variation ...	.....	.....	.....	1·2	0·6	0·1	0·0	0·6	2·5	4·9	7·0	8·3	9·2

Observatory at Batavia.—Hourly observations

Standard Thermometer.													
Mean of 26 days ...	.....	.....	.....	76·3	75·8	75·3	75·1	75·9	78·3	82·2	83·6	85·3	86·7
Diurnal variation ...	.....	.....	.....	1·2	0·7	0·2	0·0	0·8	3·2	7·1	8·5	10·2	11·6

Observatory at Batavia.—Hourly observations

Standard Thermometer.													
Mean of 26 days ...	.....	.....	.....	75·5	75·1	74·7	74·4	75·1	77·4	81·2	83·5	85·2	86·4
Diurnal variation ...	.....	.....	.....	1·1	0·7	0·3	0·0	0·7	3·0	6·8	9·1	10·8	12·0

Observatory at Cocos Island.—Hourly observations

Standard Thermometer.													
Mean of 27 days ...	.....	.....	.....	76·9	76·7	76·8	76·6	77·0	78·1	80·0	81·4	83·0	83·4
Diurnal variation ...	.....	.....	.....	0·3	0·1	0·2	0·0	0·4	1·5	3·4	4·8	6·4	6·8

TABLE E.

made during the Month of December, 1846.

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Sums.	Means.
Standard Thermometer.	84·8	84·7	84·3	83·7	82·1	80·5	79·7	79·2	78·6	78·2	77·7	1916·1	79·8
	9·1	9·0	8·6	8·0	6·4	4·8	4·0	3·5	2·9	2·5	2·0		

made during the Month of January, 1847.

Standard Thermometer.	84·4	84·7	84·8	84·4	83·8	82·4	81·0	80·4	80·0	79·4	78·8	1919·1	80·1
	9·0	9·3	9·4	9·0	8·4	7·0	5·6	5·0	4·6	4·0	3·4		

made during the Month of February, 1847.

Standard Thermometer.	83·9	84·2	83·7	82·8	81·8	80·7	80·1	79·3	79·0	78·7	78·3	1908·1	79·6
	7·8	8·1	7·6	6·7	5·7	4·6	4·0	3·2	2·9	2·6	2·2		

made during the Month of March, 1847.

Standard Thermometer.	85·0	85·4	85·6	85·0	84·1	82·4	81·5	80·9	80·0	.....	.....	1544·7	81·3
	8·3	8·7	8·9	8·3	7·4	5·7	4·8	4·2	3·3				

made during the Month of April, 1847.

Standard Thermometer.	85·5	85·5	85·3	84·7	83·5	82·4	81·4	80·5	79·8	.....	.....	1544·0	81·3
	9·4	9·4	9·2	8·6	7·4	6·3	5·3	4·4	3·7				

made during the month of May, 1847.

Standard Thermometer.	86·5	85·8	85·5	84·9	83·8	82·0	81·0	80·2	79·5	.....	.....	1543·7	81·2
	11·4	10·7	10·4	9·8	8·7	6·9	5·9	5·1	4·4				

made during the Month of June, 1847.

Standard Thermometer.	86·7	86·4	86·2	84·9	83·7	81·9	80·9	80·0	79·6	.....	.....	1538·8	81·0
	12·3	12·0	11·8	10·5	9·3	7·5	6·5	5·6	5·2				

made during the Months of August and September, 1848.

Standard Thermometer.	83·4	82·4	81·3	80·1	79·0	78·1	77·8	77·6	77·5	.....	.....	1507·1	79·2
	6·8	5·8	4·7	3·5	2·4	1·5	1·2	1·0	0·9				

TABLE F.

Observations of Inclination at various Stations in the Eastern Archipelago.

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				—	—	—	South.
1846.							—
Mar. 18.	Singapore ...	...	A 1.	8° 48·6	16° 53·1	12° 50·9	
19.			A 1.	8 54·8	16 28·3	12 41·6	
21.			A 1.	8 48·7	16 48·3	12 48·5	
21.			A 1.	8 37	16 38·1	12 37·5	
27.			A 1.	8 16·3	16 58·9	12 37·8	
Apr. 16.			A 1.	8 54·1	16 48·2	12 51·1	
17.			A 1.	9 03·0	16 40·5	12 51·8	
21.			A 1.	8 50·7	16 51·9	12 51·3	
				Mean dip from A 1.....			12° 44·6
Mar. 17.			A 2.	11 13·0	14 36·3	12 54·7	
19.			A 2.	11 31·5	14 13·4	12 52·4	
21.			A 2.	11 28·5	13 51·2	12 39·8	
21.			A 2.	11 31·6	14 16·8	12 54·3	
27.			A 2.	11 19·3	14 08·1	12 44·1	
28.		Madras.	A 2.	11 03·9	14 12·6	12 38·3	
Apr. 16.			A 2.	10 40·2	13 42·7	12 41·5	
17.			A 2.	11 28·2	14 20·8	12 54·6	
21.			A 2.	11 36·1	13 54·8	12 45·4	
				Mean dip found from A 2			12 47·2
Mar. 21.			A 2 L.	12 29·5	13 06·4	12 48·0	
Apr. 16.			A 2 L.	12 19·4	13 10·5	12 44·9	
17.			A 2 L.	12 04·9	13 47·4	12 56·2	
21.			A 2 L.	12 22·3	13 29·8	12 56·1	
				Mean dip from A 2 L....			12 51·3
				—	+		
Mar. 21.			A 1 L.	25 13·9	0 24·5	12 36·9	
Apr. 16.			A 1 L.	24 56·7	0 12·1	12 22·3	
17.			A 1 L.	24 52·6	0 29·1	12 11·7	
21.			A 1 L.	24 49·7	0 39·4	12 05·1	
				Mean dip from A 1 L.....		12 19·0	
				Add for correction		— 28·0	
				Mean dip with correction...		.....	12 47
				Mean dip found at Singapore.....			12 47
	BORNEO.						
May 15.	Sarāwak	...	A 1.	7 10·3	14 51	11 00·1	
21.			A 1.	7 19·1	14 51·8	11 05·5	
27.			A 1.	7 25·0	15 13·4	11 19·2	
29.			A 1.	7 21	15 01·7	11 11·3	
June 13.			A 1.	7 12·7	15 09·1	11 11·0	
20.			A 1.	7 21·5	15 06·3	11 13·9	
27.			A 1.	7 12·5	15 04·3	11 08·4	
July 2.			A 1.	7 11·2	14 50·0	11 00·6	
6.			A 1.	7 00·7	15 17·4	11 09·0	
				Mean dip at Sarawak from A 1			11 08·8
May 15.			A 2.	9 29·3	12 21·6	10 55·5	
21.			A 2.	9 51·5	12 35·8	11 13·7	
27.			A 2.	9 52·0	12 32·3	11 12·5	
29.			A 2.	9 58·5	12 31·4	11 15·0	
June 13.		Madras.	A 2.	10 03	12 44·2	11 23·6	
20.			A 2.	9 58·3	12 28·0	11 13·2	
27.			A 2.	9 27·8	13 10·3	11 19·1	
July 2.			A 2.	9 37·3	12 36·0	11 06·9	
6.			A 2.	9 42	12 29·2	11 05·6	
				Mean dip from A 2.....			11 11·6
May 15.			A 2 L.	10 40·8	11 47·1	11 14	
21.			A 2 L.	10 20·6	12 17·3	11 18·9	
27.			A 2 L.	10 01·5	11 56·5	10 59·0	
29.			A 2 L.	10 00·5	11 54·6	10 57·5	
June 13.			A 2 L.	10 11·8	12 11·5	11 11·6	
20.			A 2 L.	10 19·4	12 15·9	11 17·6	
27.			A 2 L.	10 16·1	11 48·1	11 02·1	
July 2.			A 2 L.	10 08·5	12 01·3	11 04·9	
6.			A 2 L.	10 37·6	11 49·9	11 13·7	
				Mean dip from A 2 L....			11 08·8

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				—	—	—	South.
1846.	BORNEO.						—
May 15.	Sarāwak	...	A 1 L.	23° 23·6	1° 42	10° 50·8	
21.			A 1 L.	23 31·3	1 49·2	10 51·1	
27.			A 1 L.	23 36·2	1 59·1	10 48·5	
29.			A 1 L.	23 22·7	2 19·8	10 31·4	
June 13.		Madras.	A 1 L.	23 25·7	1 44·6	10 50·5	
			A 1 L.	20 14·2	1 28	10 59·1*	
20.			A 1 L.	20 43·1	1 19	11 00·1	
27.			A 1 L.	20 37·5	1 06	10 51·7	
July 2.			A 1 L.	20 37·5	0 54·5	10 44·6	
6.							
				Mean from A 1 L.		10 49·7	
				Add for correction		— 28·0	
				Mean dip from A 1 L.....		.....	11° 17·7
				Mean dip found at Sarāwak			11 10·9
July 20.	Sambas	...	A 1.	7 21·2	15 15·7	11 18·3	
				7 29·1	15 21·5	11 25·3	
				Mean dip at Sambas from A 1			11 21·8
			A 2.	10 17·4	12 47	11 32·2	
				10 04·3	12 38·4	11 21·4	
				Mean dip at Sambas from A 2			11 26·8
			A 2 L.	10 37·4	12 31·5	11 34·5	
				10 37·1	12 17·7	11 27·5	
				Mean dip at Sambas from A 2 L. ...			11 31
			A 1 L.	20 43·8	1 09·7	10 56·8	
				20 47·3	1 25·9	11 06·6	
				Mean dip from A 1 L.....		11 01·7	
				Add for cor.— 28		28	
				Mean dip from A 1 L.			11 29·7
				Mean dip found at Sambas			11 27
July 26.	Permanket ...	...	A 1.	8 41·0	16 18	12 29·5	
			A 2.	11 08·7	13 47·3	12 28·0	
			A 2 L.	11 47·5	13 21·3	12 34·4	
			A 1 L.	21 43·6	2 37·8	12 38·7†	
				Mean dip at Permanket ...			12 31·8
Aug. 3.	Pantiānak ...	...	A 1.	10 57·6	18 28·5	14 43·0	
			A 1.	10 41·2	18 29·5	14 35·4	
			A 1.	10 51·2	18 35·4	14 43·3	
				Mean dip from A 1.....			14 40·6
			A 2.	13 27·8	15 55·5	14 41·7	
			A 2.	13 12·6	16 16·4	14 44·5	
			A 2.	13 05·1	16 04·7	14 35·0	
				Mean dip from A2		14 40·4	14 40·4
		Madras.	A 2 L.	13 52·3	15 47·1	14 49·7	
			A 2 L.	13 48	15 29·0	14 38·5	
			A 2 L.	14 04·7	15 27·2	14 46·1	
				Mean dip from A 2 L.		14 44·7	
			A 1 L.	23 57·7	4 45·1	14 21·4	
			A 1 L.	23 35·0	4 36·8	14 05·9	
			A 1 L.	23 30·3	4 34·4	14 02·4	
				Mean dip from A 1 L.....		14 09·9	
				Add for correction		— 28	
				Mean dip from A 1 L.....		.....	14 37·9
				Mean dip found at Pantiānak in Borneo.....			14 41·3

* Grinding the needle slightly on a hone.
† Correction −28′ for A 1 L.

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				—	—	—	South.
1846.	BORNEO.						—
Aug. 13.	Succadāna ...	...	A 1.	13° 08′·1	20° 47′·4	16° 57′·8	
			A 2.	15 30·8	18 35·2	17 03·0	
			A 2 L.	16 22·7	17 45·2	17 03·9	
			A 1 L.	25 44·2	6 58·6	16 49·4*	
			Mean dip at Succadāna...				16° 58′·4
	JAVA.						
Sept. 14.	Batavia	...	A 1.	23 46·4	30 26·4	27 06·4	
				24 03·7	30.19·5	27 11·6	
				23 51·7	30 07·6	26 59·6	
			Mean dip from A 1.				27 05·7
			A 2.	25 51·3	28 22·2	27 06·7	
				25 47·3	28 09·0	26 58·1	
				25 51·1	28 21·3	27 06·2	
			Mean dip from A 2.				27 03·7
			A 2 L.	26 25·9	27 44·7	27 05·3	
				26 17	27 44·7	27 00·8	
				26 15·7	27 41·2	26 58·2	
			Mean dip from A 2 L. ...				27 01·5
			A 1 L.	34 46·6	18 00·6	26 23·6	
				34 49·5	17 51·7	26 20·6	
				34 56·6	18 34·8	26 45·7	
			Mean dip from A 1 L.			26 30	
			Add for correction			28	
			Mean dip corrected for A 1 L.				26 58
			Mean dip at Batavia				27 03·0
Sept. 29.	Bantam Residency, Ceram.		A 1.	23 55·9	30 19·7	27 07·8	
			A 2.	26 07·3	28 26·2	27 16·7	
			A 2 L.	26 39·8	27 39·2	27 09·5	
			A 1 L.	34 57·3	18 25·0	27 09·1*	
			Mean dip at Ceram				27 11·0
30.	Anjeer	...	A 1.	23 12·6	30 00	26 36·3	
			A 2.	25 17·4	27 30	26 23·7	
			A 2 L.	25 48·5	27 11·4	26 30	
			A 1 L.	34 11·6	17 35·1	26 21·3*	
			Mean dip at Anjeer				26 28·8
Oct. 2.	Cheringin ...	...	A 1.	24 24·0	30 37·8	27 30·9	
			A 2.	28 33·2	26 23·6	27 28·4	
			A 2 L.	26 56·7	18 16·1	27 36·4	
			A 1 L.	35 05·8	18 47·0	27 24·4*	
			Mean dip at Cheringin...				27 30·8
5.	Palambangan ...	...	A 1.	25 01·4	31 19·3	28 10·3	
			A 2.	26 44	29 18·6	28 01·3	
			A 2 L.	27 25·6	28 47·3	28 06·4	
			A 1 L.	35 46·8	19 21·2	28 02*	
			Mean dip at Palambangan				28 05·4
7.	Chebiliang ...	Madras.	A 1.	25 27·8	32 02·5	28 45·1	
			A 2.	27 26·2	29 43·1	28 34·6	
			A 2 L.	27 56·4	29 20·7	28 33·3	
			A 1 L.	36 17·7	19 42·4	28 28*	
			Mean dip at Chebiliang...				28 37·9
9.	Chelangkahan		A 1.	25 01·8	31 38·1	28 20	
			A 2.	27 02·8	29 27·6	28 15·2	
			A 2 L.	27 44·7	29 03·8	28 24	
			A 1 L.	36 04·3	19 53·4	28 26·8*	
			Mean dip at Chelangkahan				28 20·7
12.	Goonong Dādap.		A 1.	24 23·9	30 38·2	27 31	
			A 2.	26 12·5	28 36·9	27 24·7	
			A 1 L.	35 00	19 06·6	27 31*	
			Mean dip at Goonong Dadap				27 28·5
14.	Woorong Goonong.		A 1.	24 12·5	30 39·9	27 26·2	
			A 2.	26 10	28 02	27 06·0	
			A 2 L.	26 43·5	28 04·8	27 24·1	
			A 1 L.	35 10·1	18 47·4	27 26·7*	
			Mean dip at Woorong Goonong				27 20·0
23.	Tanāra	...	A 1.	23 43·3	30 22·2	27 02·7	
			A 2.	25 47·3	28 12·7	27 00·0	
			A 2 L.	28 16·0	26 11·1	27 13·5	
			A 1 L.	34 44·0	18 02	26 51*	
			Mean dip at Tanāra				27 02·6

* Correction −28′ for A 1 L.

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				—	—	—	South.
1846.	JAVA.						—
Nov. 9.	Batavia	...	A 1.	23° 49′·1	30° 24′·1	27° 06′·6	
			A 2.	25 39·4	28 25·5	27 02·5	
			A 2 L.	26 20·3	27 34·3	26 57·3	
			A 1 L.	34 51·4	18 04·2	26 55·8*	
			Mean of the four needles				27° 00′·5
12.		Madras.	A 1.	23 45·1	30 11·1	26 58·1	
			A 2.	25 24·7	28 28·7	26 56·7	
			A 2 L.	26 01·4	27 28·1	26 44·7	
			A 1 L.	34 33·4	18 23·9	26 56·6*	
			Mean of the four needles				26 54·0
			Mean dip at Batavia.....				26 57·2
14.		2	A 1.	27 26·4	26 44·5	27 05·4	
		2	A 2.	26 25·9	27 35·4	27 00·3	
		1	A 1.	27 00·0	27 04·2	27 02·1	
		1	A 2.	27 11·0	26 54·1	27 02·6	
		3	A 1.	27 08·7	26 47·8	26 58·2	
		3	A 2.	27 00·7	27 10·9	27 05·8	
			General mean found at Batavia by the new needles				27 02·4
Nov. 21.	Tegu	2	A 1.	29 05·0	28 24·7	28 44·8	
		2	A 2.	29 03	28 18·5	28 40·7	
		2	A 1 L.	28 53·7	28 40·0	28 46·8	
		2	A 2 L.	28 50·0	28 35·2	28 42·6	
		2	A 1.	29 00·6	28 20·2	28 40·4	
		2	A 2.	28 16·2	29 18·2	28 47·2	
		2	A 1 L.	28 51·0	28 33·6	28 42·3	
		2	A 2 L.	28 50·4	28 35·1	28 42·8	
23.		1	A 1.	28 37·7	28 55·1	28 46·4	
		1	A 2.	28 42·1	28 37·4	28 39·8	
		1	A 1 L.	28 56·5	28 30·5	28 43·5	
		1	A 2 L.	28 38·4	28 46·2	28 42·3	
		1	A 1.	28 38·8	28 38·7	28 38·8	
		1	A 2.	28 43·6	28 32·4	28 38	
		1	A 1 L.	28 53·8	28 30·5	28 42·2	
		1	A 2 L.	28 34·8	28 44·4	28 39·6	
		3	A 1.	29 02·0	28 21·1	28 41·5	
		3	A 2.	28 39·5	28 51·2	28 45·3	
		3	A 1 L.	28 50·5	28 36·5	28 43·5	
26.	Pangerango, top of the mountain, Gedê.	3	A 2 L.	28 33·9	28 45·0	28 39·4	28 42·5
		2	A 1.	29 54·9	29 36·7	29 45·8	
		2	A 1 L.	29 48·1	29 37·5	29 42·8	
		2	A 2 L.	29 54·7	29 32·8	29 43·8	
		1	A 1 L.	29 54·1	29 31·0	29 42·5	
		1	A 2 L.	29 33·4	29 44·1	29 38·7	29 42·7
30.	Chunjūr	2	A 1.	28 46·7	28 08·6	28 27·6	
		2	A 2.	28 54·2	28 01·5	28 27·8	
		2	A 1 L	28 35·0	28 20·0	28 27·5	
		2	A 2 L.	28 34·8	28 17·7	28 26·2	
		1	A 1.	28 20·5	28 19·0	28 20·0	
		1	A 2.	28 19·2	28 19·5	28 19·5	
		1	A 1 L.	28 34·5	28 13·2	28 23·9	
		1	A 2 L.	28 17·5	28 24·5	28 20·8	
		3	A 1.	28 31·2	28 05·4	28 18·2	
		3	A 2.	28 21·7	28 26·2	28 24·0	
		3	A 1 L.	28 22·5	28 15·0	28 20·0	
		3	A 2 L.	28 14·1	28 29·9	28 22	28 23·1
Dec. 4.	Kārang Tengga	2	A 1.	28 42·7	28 06·2	28 24·5	
			A 2.	28 53·1	27 53·1	28 23·4	
			A 1 L.	28 25·8	28 07·6	28 16·7	
			A 2 L.	28 28·4	28 11·2	28 19·8	28 21·1
7.	Chebrānok ...	2	A 1.	28 45·2	28 07·8	28 26·5	
			A 2.	28 56·6	28 00·0	28 28·3	
			A 1 L.	28 36·1	28 21·4	28 28·7	28 27·8
8.	Palabuan Rātoo, or Wine Cooper's Bay.	2	A 1.	29 36·5	28 59·5	29 18·0	
			A 2.	29 44·1	28 52·7	29 18·4	
			A 1 L.	29 25·9	29 13·9	29 19·9	
			A 2 L.	29 24·7	29 10·5	29 17·6	29 18·5

* Correction −28′ for A 1 L.

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				—	—	—	South.
1846.	JAVA.						—
Dec. 10.	Chilotoe	2	A 1.	29° 08′·7	28° 33′·0	28° 50′·9	
			A 2.	29 17·7	28 21·4	28 49·5	
			A 1 L.	28 58·5	28 48·2	28 53·4	
			A 2 L.	29 10·4	28 32·7	28 51·5	28° 51′·3
11.	Pangangbahan	2	A 1.	29 58·1	29 20·1	29 39·0	
			A 2.	30 10·2	29 13·8	29 42·0	
			A 1 L.	29 46·5	29 35·9	29 41·2	
			A 2 L.	29 46·8	29 40·4	29 43·6	29 41·4
13.	Mooāro Chikasso.	2	A 1.	30 14·9	29 48·3	30 06·6	
			A 2.	30 30·1	29 39·5	30 04·8	
			A 1 L.	30 11·9	29 57·6	30 04·8	
			A 2 L.	30 12·7	29 57·4	30 05·0	30 05·3
14.	Sidang Bārang	2	A 1.	31 07·0	29 15·3	30 11·1	
			A 2.	30 38·5	29 42·7	30 10·6	
			A 1 L.	30 24·9	30 07·9	30 16·4	
			A 2 L.	30 19·9	30 03·6	30 11·7	
15.		2	A 1.	31 05·8	29 17·2	30 11·5	
			A 2.	30 41·0	29 41·8	30 11·4	
			A 1 L.	30 19·2	30 06·6	30 12·9	
			A 2 L.	30 19·2	30 02·0	30 10·6	30 12·0
16.	Bejong Petair	2	A 1.	30 25·5	28 35·0	29 30·3	
			A 2.	30 00·3	29 04·6	29 32·5	
			A 1 L.	29 42·0	29 28·3	29 35·2	
			A 2 L.	29 41·4	29 23·5	29 32·5	29 33·5
21.	Bandong	2	A 1.	29 24·9	27 30·1	28 27·5	
			A 2.	28 56·1	27 59·3	28 27·7	
			A 1 L.	28 35·2	28 24·8	28 30·0	
			A 2 L.	28 38·5	28 13·2	28 25·8	28 28·0
		2	A 1.	29 34·4	27 36·5	28 35·5	
			A 2.	29 02·8	28 09·8	28 36·3	
			A 1 L.	28 38·8	28 29·7	28 34·2	
			A 2 L.	28 46·2	28 25·8	28 36·0	
		1	A 1.	28 22·5	28 28·9	28 25·7	
			A 2.	28 27·1	28 24·2	28 25·7	
			A 1 L.	28 43·6	28 28 1	28 27·0	
			A 2 L.	28 31·5	28 29·2	28 29·2	
21.		3	A 1.	28 53·0	28 18·0	28 35·5	
			A 1 L.	28 39·8	28 34·1	28 36 9	
			A 1 L.	28 26·0	28 38·4	28 32 2	28 31·4
24.	Garoet	2	A 1.	29 54·1	28 03·5	28 58·8	
			A 2.	29 24·5	28 34·0	28 59·2	
			A 1 L.	29 07·4	28 51·6	28 59·5	
			A 2 L.	29 06·5	28 51·4	28 59·0	
		1	A 1.	28 55·7	28 57·9	28 56·8	
			A 2.	28 54·3	29 01·5	28 57·9	28 58·5
28.	Permangpek.	2	A 1.	31 05·6	29 15·3	30 10·5	
			A 2.	30 37·4	29 43·8	30 10·6	
			A 1 L.	30 16·0	30 05·2	30 10·6	
			A 2 L.	30 20·3	30 02·6	30 11·4	
29.		2	A 1.	31 07·4	29 18·6	30 13·0	
			A 2.	30 39·4	29 46·7	30 13·1	
			A 1 L.	30 18·7	30 05·6	30 12·1	
			A 2 L.	30 22·7	30 05·4	30 14·1	30 11·8
1847.							
Jan. 1.	Cherūgnūktok.	2	A 1.	31 03·7	29 13·7	30 08·4	
			A 2.	30 39·2	29 41·4	30 10·3	
			A 1 L.	30 09·1	30 05·7	30 07·9	
			A 2 L.	30 15·0	29 57·2	30 06·1	30 08 2
6.	Kālipoochen	2	A 1.	30 46·6	28 54·7	29 50·6	
			A 2.	30 21·4	29 20·8	29 51·1	
			A 1 L.	29 56·6	29 48·2	29 52·3	
			A 2 L.	29 59·4	29 42·4	29 49·9	29 51·2
8.	Banjeer	2	A 1.	30 02·5	28 10·2	29 06·7	
			A 2.	29 35·2	28 40·3	29 07·7	29 07·2
10.	Chāwee	2	A 1.	29 36·1	27 39·4	28 37·7	
			A 2.	29 06·6	28 14·2	28 40·4	
			A 1 L.	28 42·7	28 38·1	28 40·2	
			A 2 L.	28 46·6	28 30·2	28 38·4	28 39·2
12.	Samadang ...	2	A 1.	28 53·5	26 55·8	27 54·6	
			A 2.	28 26·5	27 28·0	27 57·2	
			A 1 L.	28 04·0	27 55·2	27 59·6	
			A 2 L.	28 07·2	27 50·2	27 58·7	27 57·5

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				—	—	—	South.
1847.	JAVA.						—
Jan. 15.	Cheribon	2	A 1.	28° 47′·1	26° 49′·2	27° 48′·1	
			A 2.	28 19·4	27 20·2	27 49·8	
			A 1 L.	27 54·5	27 47·1	27 50·7	
			A 2 L.	27 59·6	27 37·5	27 48·5	27° 49′·3
18.	Indramāyu ...	2	A 1.	28 32·8	26 27·0	27 29·9	
			A 2.	27 58·0	26 56·8	27 27·4	
			A 1 L.	27 30·6	27 28·2	27 29·4	
			A 2 L.	27 35·0	27 19 5	27 27·2	27 28·5
26.	Tegal	2	A 1.	28 55·7	27 01·6	27 58·6	
			A 2.	28 32·7	27 33·2	28 03·0	
			A 1 L.	28 09·3	27 59·3	28 04·3	
			A 2 L.	28 12·6	27 57·1	28 04·8	28 02·7
30.	Samārang ...	2	A 1.	28 57·6	27 02·5	28 00·0	
			A 2.	28 32·2	27 33·5	28 02·8	
			A 1 L.	28 07·4	27 57·6	28 02·5	
			A 2 L.	28 12·4	27 54·0	28 08·5	28 02·2
Feb. 2.	Japāra	2	A 1.	28 25·8	26 35·4	27 30·6	
			A 2.	27 55·8	27 02·5	27 29·1	
			A 1 L.	27 30·1	27 21·8	27 26·0	
			A 2 L.	27 32·1	27 16·8	27 24·5	27 27·5
5.	Ambarāwa ...	2	A 1.	30 18·7	28 27·0	29 22·8	
			A 2.	29 55·1	29 00·5	29 27·8	29 25·3
10.	Balembang ...	2	A 1.	29 56·1	28 01·0	28 58·5	
			A 2.	29 28·8	28 31·5	29 00·1	
			A 1 L.	28 55	29 06·5	29 00·7	
			A 2 L.	29 12·0	28 49·1	29 00·5	29 00·0
13.	Solo	2	A 1.	30 01·0	28 14·2	29 07·6	
			A 2.	29 37·4	28 43·8	29 10·6	
			A 1 L.	29 18·0	29 05·1	29 11·7	
			A 2 L.	29 21·8	29 01·3	29 11·5	29 10·3
18.	Nyāwee	2	A 1.	29 54·0	27 59·2	28 56·6	
			A 2.	29 31·2	28 34·6	29 02·9	
			A 1 L.	28 50·1	28 57·4	28 53·7	28 57·7
22.	Bankāwa, Solo River.	2	A 1.	28 42·4	26 49·4	27 45·9	
			A 2.	28 11·0	27 20·7	27 45·8	
			A 1 L.	28 53·1	27 45·1	27 49·1	
			A 2 L.	27 55·0	27 30·2	27 42·6	
			A 1 L.	27 46·7	27 38	27 42·3	27 45·1
25.	Soorabāya ...	2	A 1.	29 38·2	27 48·5	28 43·3	
			A 2.	29 18·8	28 20·0	28 49·4	
			A 1 L.	28 51·1	28 40·4	28 45·7	
			A 2 L.	28 53·5	28 53·8	28 53·6	
26.			A 1.	29 38·2	27 48·5	28 43·3	
			A 2.	29 21·9	28 29·2	28 55·5	
		2	A 1 L.	29 01·7	28 54·0	28 57·8	
			A 2 L.	28 57·6	28 48·2	28 52·9	28 50·8
Mar. 23.	Sūmenap	...	A 1.	28 36	26 47·1	27 41·5	
			A 2.	28 05	27 17·5	27 41·2	
			A 1 L.	27 48·1	27 40·8	27 44·5	
			A 2 L.	27 49·3	27 39·4	27 44·4	
26.		...	A 1.	28 40·7	26 29·5	27 45·1	
			A 2.	28 14	27 19	27 46·5	
			A 1 L.	27 48·9	27 38·9	27 43·9	
			A 2 L.	27 48·4	27 39	27 43·9	
31.		...	A 1.	28 37·2	26 27·3	27 42·2	
			A 2.	28 10·8	27 15	27 42·8	
			A 1 L.	27 49·1	27 42·9	27 46·0	
			A 2 L.	27 46	27 35	27 40·5	27 43·8
April 7.	Pulo Kuneeang.		A 1.	28 15·4	26 28·1	27 23·7	
			A 2.	27 40·7	26 55	27 17·8	
			A 1 L.	27 30	27 19·6	27 24·8	
8.			A 2 L.	27 27·3	27 14·5	27 20·9	
8.			A 1.	28 14·5	26 24·1	27 19·3	
			A 2.	27 45·5	26 53·7	27 19·6	
			A 1 L.	27 30·6	27 21·5	27 26	
			A 2 L.	27 36·8	27 19	27 27·9	
8.			A 1.	28 22·5	26 29·9	27 26·2	
			A 2.	27 54·6	26 57·9	27 26·2	
9.			A 1 L.	27 23·6	27 17·8	27 20·7	
			A 2 L.	27 29·3	27 11·2	27 19·2	27 23·6
26.	Bezooki	...	A 1.	29 57·5	28 10·4	29 03·9	
			A 2.	29 33·2	28 38·1	29 05·6	

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				—	—	—	South.
1847.	JAVA.						—
April 26.	Bezooki	...	A 1 L.	29° 08′·7	29° 01′·8	29° 05′·2	
			A 2 L.	29 15·2	29 01·0	29 08·1	29° 05′·7
May 11.	Kedeeri	...	A 1.	30 42·8	28 49	29 45·9	
			A 2.	30 14·0	29 13·5	29 43·7	
			A 1 L.	29 55·5	29 47·2	29 51·2	
			A 2 L.	29 59·5	29 44·7	29 52·1	
12.			A 1.	30 42·6	28 53·6	29 48·1	
			A 2.	30 17·1	29 24·0	29 50·5	
			A 1 L.	29 55·9	29 46·8	29 51·3	
			A 2 L.	30 03·2	29 45·5	29 54·3	
13.			A 1.	30 42·8	28 51·4	29 47·1	
			A 2.	30 19·6	29 22·6	29 51·1	
			A 1 L.	29 54·3	29 49·3	29 51·8	
			A 2 L.	30 02·5	29 43·9	29 53·2	29 50·0
May 21.	Patchitan.....	2	A 1.	31 26·9	29 38·5	30 32·7	
			A 2.	31 03·1	30 06·5	30 34·8	
			A 1 L.	30 40·8	30 26·5	30 33·6	
			A 2 L.	30 45·1	30 29·1	30 37·1	30 34·5
June 1.	Munoori	2	A 1.	30 12·6	28 22·0	29 17·3	
			A 2.	29 46·2	28 52·4	29 19·2	
			A 1 L.	29 21·6	29 18·1	29 19·8	
			A 2 L.	29 27·5	29 11·8	29 19·6	29 19·0
6.	Kārang Bolong.	2	A 1.	30 45·7	28 58·5	29 52·1	
			A 2.	30 25	29 23·9	29 54·4	
			A 1 L.	29 58·3	29 53·5	29 55·9	
			A 2 L.	30 03·5	29 46·5	29 55·0	29 54·4
9.	Chilāchap ...	2	A 1.	30 39·3	28 46	29 42·6	
			A 2.	30 11·2	29 13·4	29 42·3	
			A 1 L.	29 48	29 47·5	29 47·5	
			A 2 L.	29 37·7	29 37·7	29 44·7	29 44·3
12.	Aji Bārang ...	2	A 1.	28 15·6	26 22·6	27 19·1	
			A 2.	27 42·3	26 54·5	27 18·4	
			A 1 L.	27 27·5	27 28·4	27 27·9	
			A 2 L.	27 27·8	27 13·8	27 21·5	27 20·8
July 6.	Batavia	2	A 1.	28 02	26 10·3	27 06·1	
			A 2.	27 31·5	26 34·5	27 03·0	
			A 1 L.	27 11·5	27 08·6	27 09·8	
			A 2 L.	27 15·6	26 57·1	27 06·3	
		2	A 1.	28 02·2	26 10·4	27 06·3	
			A 2.	27 31	26 35·0	27 03·4	
			A 1 L.	27 11·0	27 10·3	27 10·6	
			A 2 L.	27 21·8	27 00·8	27 11·3	
7.		2	A 1.	28 06·4	26 12·7	27 09·5	
			A 2.	27 31·3	26 38·5	27 04·9	
			A 1 L.	27 08·5	27 08·2	27 08·3	
			A 2 L.	27 17·5	26 56·1	27 06·6	
		2	A 1.	28 03·8	26 13·3	27 08·5	
			A 2.	27 29·9	26 41·7	27 05·8	
			A 1 L.	27 12·4	27 09·6	27 11·0	
			A 2 L.	27 20·9	26 58·9	27 09·9	
9.		2	A 1.	28 05·3	26 09·5	27 07·4	
			A 2.	27 15	26 39·5	27 03·5	
			A 1 L.	27 11·0	27 09·3	27 10·1	
			A 2 L.	27 19·6	26 59·8	27 09·7	
		2	A 1.	28 05·5	26 11·7	27 08·6	
			A 2.	27 28·3	26 38·5	27 03·4	
			A 1 L.	27 09·9	27 11·1	27 10·5	
			A 2 L.	27 16·1	26 58·5	27 07·3	
10.		1	A 1.	27 07·2	27 09·8	27 08·5	
			A 1 L.	27 03·4	27 23·0	27 13·2	
			A 2 L.	27 06·9	27 07·9	27 07·4	
		1	A 1.	27 11·5	27 06·0	27 08·7	
			A 1 L.	27 02·6	27 21·8	27 12·7	
			A 2 L.	27 06·0	27 09·6	27 07·8	
13.		1	A 1.	27 07·9	27 05·4	27 06·6	
			A 1 L.	27 00·5	27 20·0	27 10·2	
			A 2 L.	27 06·2	27 06·1	27 06·1	
14.		1	A 1.	27 06·5	27 04·5	27 05·5	
			A 1 L.	26 58·9	27 16·7	27 07·8	
			A 2 L.	27 03·2	27 06·4	27 04·8	
13.		3	A 2.	26 58·2	27 22·3	27 10·2	
			A 1 L.	27 23·5	27 00·7	27 12·5	

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				—	—	—	South.
1847.	JAVA.						—
July 14.	Batavia	3	A 2.	26° 53′·7	27° 24′	27° 08′·8	
			A 1 L.	27 21·1	26 58·3	27 09·7	
14.		3	A 2.	26 57·6	27 17·6	27 07·6	
			A 1 L.	27 20·3	27 03·9	27 12·1	
		3	A 2.	26 57·5	27 17·4	27 07·4	
			A 1 L.	27 22·4	27 00·2	27 11·3	27° 08′·2
17.		F.	B.	27 11·8	.....	27 11·8	
			B.	27 09·0	.....	27 09·0	
			B.	27 13·7	.....	27 13·7	
				27 17·6	.....	27 17·6	
19.			B.	27 12	.....	27 12	
				27 12·5	.....	27 12·5	
				25 59·6	28 05	27 02·3	
	SUMĀTRA.			26 01·7	28 07·3	27 04·5	27 09·3
Aug. 18.	Telok Betong, Lampong Bay.	2	A 1.	27 06·7	25 13·8	26 10·2	
			A 2.	26 42·6	25 44·4	26 13·5	
			A 1 L.	26 16·3	26 14·2	26 15·2	
			A 2 L.	26 24·9	26 06·3	26 15·6	26 14·8
Sept. 3.	Poolo Bay near Bencoolen.	2	A 1.	24 52·9	22 44	23 48·4	
			A 2.	24 22·7	23 22·1	23 52·4	
			A 1 L.	24 03·2	23 56·3	23 58·4	
			A 2 L.	24 02·2	23 42·6	23 52·4	
		1	A 1.	23 51·8	23 50·3	23 51·0	
			A 1 L.	23 59·4	23 56·2	23 57·8	
			A 2 L.	23 48·2	23 50·5	23 49·3	
		2	A 1.	24 49	22 49·3	23 49·1	
			A 2.	24 25·2	23 20·3	23 52·7	
			A 1 L.	24 03	23 52·0	23 57·5	
			A 2 L.	24 04·6	23 45	23 54·8	
4.		2	A 1.	24 54·8	22 51·2	23 53	
			A 2.	24 24·4	23 22·8	23 53·6	
			A 1 L.	23 55·6	23 53·9	23 53·7	
			A 2 L.	24 02·9	23 43·7	23 53·3	
		3	A 2.	23 43	24 04·4	23 53·7	
			A 1 L.	24 00·7	23 42·1	23 51·4	23 53·1
Oct. 18.	Padang.....	2	A 1.	19 33·8	17 20·7	18 27·2	
21.			A 2.	19 11·3	18 03·5	18 37·4	
			A 1 L.	18 37·5	18 36·8	18 37·4	
			A 2 L.	18 32	18 22·8	18 27·4	
23.		1	A 1.	18 26·2	18 25·7	18 26·0	
			A 1 L.	18 20·2	18 33·3	18 26·7	
			A 2 L.	18 22·8	18 31·1	18 26·9	
25.		3	A 2.	18 26	18 50·6	18 38·3	
			A 1 L.	18 46·7	18 29·3	18 38·0	18 31·7
				Poles Direct.			Cor. Dip.
		1	A 1, A 1 L.	18 36·4	18 40·6	18 38·5	
			A 1 L., A 2 L.	18 43·3	18 39·2	18 41·2	
			A 1, A 1 L.	18 31·9	18 41·4	18 36·6	
			A 1 L., A 2 L.	18 37·9	18 36·2	18 37·0	
			A 1, A 1 L.	18 38·2	18 48·1	18 43·1	
			A 1 L., A 2 L.	18 45·8	18 48·1	18 47	
			Mean of the three needles with poles unchanged =			18 40·6	
			And the true dip has been found to be..... =			18 31·7	
			Correction to be applied for the survey in Sumatra			+08·9	
Nov. 1.	Solok	1	A 1, A 1 L.	17 53·2	18 00·1	17 56·6	
			A 1 L., A 2 L.	17 54·3	18 01·5	17 57·9	
		1	A 1, A 1 L.	17 53	18 02·2	17 57·6	
			A 1 L., A 2 L.	18 01·7	17 57·8	17 59·7	
2.		1	A 1, A 1 L.	17 53·0	18 05·6	17 59·3	
			A 1 L, A 2 L.	18 03·7	18 05·1	18 04·4	17 50·3
5.	Sijonjong.....	1	A 1, A 1 L.	17 51·8	18 00·6	17 56·2	
			A 1 L., A 2 L.	18 03·8	17 56·7	18 00·2	17 49·3
8.	Bua Pārjāng .	1	A 1, A 1 L.	17 16·2	17 16·3	17 16·2	
			A 1 L., A 2 L.	17 19·9	17 23·2	17 21·5	17 10·9
10.	Pāyacombo ...	1	A 1, A 1 L.	16 41·9	16 47·5	16 44·7	
			A 1 L., A 2 L.	16 48·1	16 48·9	16 48·5	16 37·7

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles direct.		Dip.	Corr. Dip.
				—	—	—	South.
1847.	SUMĀTRA.						—
Nov. 11.	Fort Vande Capellen.	1	A 1, A 1 L.	17° 15′·2	17° 21′·5	17° 18′·3	
			A1 L., A2 L.	17 19·7	17 26·7	17 23·2	17° 11′·8
14.	Padang Panjang.	1	A 1, A 1 L.	17 52·9	17 55·9	17 54·4	
			A1 L., A2 L.	17 54·8	18 00·3	17 57·5	17 47·0
16.	Fort de Kock.	1	A 1, A 1 L.	17 06·8	17 07·4	17 07·5	
			A1 L., A2 L.	17 08·6	17 10·5	17 09·5	16 59·4
17.	Menindjo ...	1	A1 L., A2 L.	17 03·8	17 10·1	17 07·4	
			A1 L., A2 L.	17 11·0	17 11·6	17 11·3	17 00·4
18.	Balembangan.	1	A 1, A 1 L.	16 48·0	16 58·2	16 53·5	
			A1 L., A2 L.	16 58·8	16 58·1	16 58·5	16 47·1
19.	Peesang	1	A 1, A 1 L.	16 38·0	16 43·1	16 40·5	
			A1 L., A2 L.	16 46·2	16 43·0	16 44·6	
		1	A 1, A 1 L.	16 36·8	16 43·1	16 39·9	
			A1 L., A2 L.	16 43	16 44·5	16 43·7	16 33·2
20.	Bonjol	1	A 1, A 1 L.	16 42·5	16 48·6	16 45·5	
			A1 L., A2 L.	16 48·6	16 49·2	16 48·9	16 38·3
21.	Loobisikapping.	1	A 1, A 1 L.	16 11·3	16 17·6	16 14·5	
			A1 L., A2 L.	16 17·8	16 21·2	16 19·5	16 08·1
22.	Batoo Bedindi	1	A 1, A 1 L.	15 50·7	16 00·2	15 55·4	
			A1 L., A2 L.	16 00·6	16 00·5	15 57·9	15 49
23.	Lender.....	1	A 1, A 1 L.	15 47·3	15 35·4	15 41·3	
			A1 L., A2 L.	15 43·7	15 49·6	15 46·6	15 35·0
24.	Rau	1	A 1, A 1 L.	15 37·9	15 49·8	15 43·8	
			A1 L., A2 L.	15 48·7	15 49·2	15 49·0	
25.		1	A 1, A 1 L.	15 35·5	15 48·4	15 41·9	
			A1 L., A2 L.	15 49·0	15 50·9	15 50·0	15 37·2
26.	Pionghay.....	1	A 1, A 1 L.	15 48·0	16 03·8	15 55·9	
			A1 L., A2 L.	16 02·0	16 02	16 02	15 50·0
27.	Batong.....	1	A 1, A 1 L.	15 40·9	15 54·5	15 47·7	
			A1 L., A2 L.	15 53·7	15 51·9	15 52·8	15 41·3
28.	Kotanopan ...	1	A 1, A 1 L.	15 18·3	15 33·1	15 25·7	
			A1 L., A2 L.	15 33·1	15 30·0	15 31·5	15 19·7
29.	Tāna Bātoo ...	1	A 1, A 1 L.	15 01·6	15 18·5	15 10·0	
			A1 L., A2 L.	15 14·7	15 12·7	15 13·7	15 02·9
Dec. 1.	Fort Elout ...	1	A 1, A 1 L.	14 44·5	15 01·7	14 53·1	
			A1 L., A2 L.	15 01·9	14 55·7	14 58·8	14 47·9
3.	Singalāngan...	1	A 1, A 1 L.	14 11·5	14 24·2	14 17·8	
			A1 L., A2 L.	14 24·6	14 20·3	14 22·5	14 11·7
6.	Padang Sidompang.	1	A 1, A 2 L.	13 46·8	14 00·5	13 53·6	
			A1 L., A2 L.	14 00·4	13 55·3	13 57·9	13 46·8
11.	Sibogha	1	A 1, A 1 L.	13 03·2	13 14·2	13 08·6	
			A1 L., A2 L.	13 15·8	13 11·8	13 13·8	
13.		1	A 1, A 1 L.	13 04·8	13 19·0	13 11·9	
			A1 L., A2 L.	13 18·3	13 14·9	13 16·6	
15.		1	A 1, A 1 L.	13 06·0	13 18·2	13 12·1	
			A1 L., A2 L.	13 18·7	13 16·3	13 17·5	
16.		1	A 1, A 1 L.	13 04·3	13 19·8	13 12·0	
			A1 L., A2 L.	13 18·1	13 14·4	13 16·2	13 04·7
19.	Bāros	1	A 1, A 1 L.	12 58	13 10·9	13 04·4	
			A1 L., A2 L.	13 06·8	13 06·5	13 06·6	
		1	A 1, A 1 L.	12 57	13 10·9	13 03·9	
			A1 L., A2 L.	13 11·8	13 03·8	13 07·8	
20.		1	A 1, A 1 L.	13 00·4	13 14·1	13 07·2	
			A1 L., A2 L.	13 13·4	13 07·8	13 10·6	12 57·8
23.	Sinkel	1	A 1, A 1 L.	12 24·3	12 35·5	12 29·9	
			A1 L., A2 L.	12 33·5	12 30·0	12 31·7	
25.		1	A 1, A 1 L.	12 26·1	12 36·0	12 31·0	
			A1 L., A2 L.	12 38·3	12 34·6	12 36·4	12 23·3
31.	Pulonias, Goonong Satoolie	1	A 1, A 1 L.	14 04·2	14 20·3	14 12·2	
			A1 L., A2 L.	14 19·2	14 14·4	14 16·9	14 05·6
1848.							
Jan. 10.	Nātal	1	A 1, A 1 L.	15 30	15 39·1	15 34·5	
			A1 L., A2 L.	15 40·3	15 47·1	15 43·7	
11.		1	A 1, A 1 L.	15 34·5	15 48·4	15 41·5	
			A 1, A 1 L.	15 49·3	15 48·6	15 49	
12.		1	A1 L., A2 L.	15 31·0	15 44·2	15 37·6	
			A1 L., A2 L.	15 42·5	15 40·1	15 41·2	
13.		1	A 1, A 1 L.	15 29·3	15 46·4	15 37·8	15 32·2
			A1 L., A2 L.	15 45·4	15 42·7	15 44·0	

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				—	—	—	South.
1848.							—
Feb. 14.	Singapore ...	2	A 1.	14° 01′·9	11° 46′·5	12° 54′·2	
15.			A 2.	13 28·8	12 19·3	12 54·1	
			A 1 L.	12 59·0	12 51·9	12 55·4	
			A 2 L.	13 03·2	12 47·4	12 55·3	12° 54′·7
			A 1.	14 04·2	11 49·5	12 56·8	
			A 2.	13 34·7	12 19·1	12 56·9	
			A 1 L.	13 01·1	12 51·0	12 56·0	
			A 2 L.	13 05·8	12 45·6	12 55·7	12 56·3
16.			A 1.	14 04·6	11 57·3	13 00·9	
19.			A 2.	13 36·0	12 20·8	12 58·0	
			A 1 L.	13 01·6	12 33·3	12 57·4	
			A 2 L.	13 06·2	12 56·5	12 58·3	12 58·3
			A 1.	14 09·3	11 51·1	13 00·2	
			A 2.	13 29·8	12 22·3	12 56·0	
			A 1 L.	13 00·1	12 55·0	12 57·5	
			A 2 L.	13 07·5	12 57·0	12 59·7	12 58·2
21.		2	A 1.	14 10·4	11 54·6	13 02·5	
22.			A 2.	13 29·6	12 19·1	12 54·3	
			A 1 L.	13 05·0	13 00·1	13 02·5	
			A 2 L.	13 10·5	12 48·5	12 59·5	12 59·7
		2	A 1.	14 04·9	11 54·5	12 59·7	
			A 2.	13 31·3	12 26·3	12 58·8	
			A 1 L.	13 03·9	12 59·4	13 01·6	
			A 2 L.	13 07·1	12 52·5	12 59·8	13 00·0
22.		2	A 1.	14 09·2	11 43·7	12 56·4	
28.			A 2.	13 28·3	12 24·1	12 56·2	
			A 1 L.	13 09·4	12 57·4	13 03·4	
			A 2 L.	13 06·6	12 42·4	12 54·5	12 57·6
		2	A 1.	14 06·8	11 45·5	12 56·1	
			A 2.	13 31·8	12 21·5	12 56·6	
			A 1 L.	13 06·8	12 59·9	13 03·3	
			A 2 L.	13 06·7	12 42·5	12 54·6	12 57·6
24.		2	A 1.	14 04	11 48·6	12 56·3	
Mar. 1.			A 2.	13 29·7	12 16·3	12 53·0	
			A 1 L.	12 55·9	12 53·2	12 54·5	
			A 2 L.	13 02·6	12 43·1	12 52·7	12 54·1
		2	A 1.	14 07·3	11 45·0	12 56·1	
			A 2.	13 28·6	12 18·3	12 53·4	
			A 1 L.	13 03·2	13 00·7	13 02·0	
			A 2 L.	13 02·6	12 44·5	12 53·3	12 56·2
Feb. 26.		2	A 1.	14 04·3	11 44·5	12 54·4	
Mar. 3.			A 2.	13 29·3	12 20	12 54·6	
			A 1 L.	12 58·1	12 53·7	12 55·9	
			A 2 L.	13 06·1	12 41·7	12 53·9	12 54·7
		2	A 1.	14 04·7	11 46·9	12 55·8	
			A 2.	13 33·9	12 16·5	12 58·2	
			A 1 L.	13 00·3	12 55·5	12 57·9	
			A 2 L.	13 04·2	12 41·8	12 53·0	12 56·2
Feb. 23.		2	A 1.	14 04·0	11 46·7	12 55·3	
Mar. 1.			A 2.	13 28·3	12 14·7	12 51·6	
			A 1 L.	13 01·5	12 57·5	12 59·4	
			A 2 L.	13 05·7	12 45·8	12 55·7	12 55·5
			A 1.	14 04·8	11 46·6	12 55·7	
			A 2.	13 29·0	12 15·2	12 52·1	
			A 1 L.	13 02·0	12 58·7	13 00·3	
			A 2 L.	13 07·1	12 44·0	12 55·5	12 55·5
						Mean dip at Singapore...	12 56·8
28.	Mount Ophir, near Malacca.	2	A 1.	10 58·0	8 49·0	9 53·5	
			A 2.	10 27·7	9 18·3	9 53·0	
			A 1 L.	9 58·5	9 59·5	9 59·0	
			A 2 L.	10 10·3	9 45·6	9 57·9	9 55·8
May 3.	Pulo Labooan.	2	A 1.	3 55·0	1 45·3	2 50·1	
			A 2.	3 27·7	2 20·1	2 53·9	
			A 1 L.	3 01·6	2 53·0	2 57·3	
			A 2 L.	3 05·5	2 41·2	2 53·3	
4.		1	A 1.	2 54·3	2 54·2	2 54·2	
			A 1 L.	2 41·4	3 10	2 55·7	
			A 2 L.	2 43·2	2 54·9	2 49·0	
		3	A 2.	2 37·3	3 07·0	2 52·1	
			A 1 L.	3 07·2	2 38·6	2 52·9	2 53·1
5.							

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				+	+	+	North.
1848.	MINDANAO.						+
May 25.	Sambooanga.	1	A 1 L.	1° 35′·8	1° 07′·3	1° 21′·5	
			A 2 L.	1 27·1	1 10·2	1 18·6	
			A 1.	1 19·7	1 17·6	1 18·6	
26.		3	A 2.	1 35·7	1 09·1	1 22·4	
			A 1 L.	2 08·2	1 37·4	1 22·8	
		2	A 1.	0 08·3	2 26·5	1 17·4	
			A 2.	0 39·8	1 57·0	1 18·4	
			A 1 L.	1 13·1	1 19·0	1 16·0	
			A 2 L.	1 06·9	1 28·3	1 17·6	1° 19′·3
	CELEBES.			—	—	—	South.
June 21.	Keemah	2	A 1.	12 07·0	10 00·8	11 03·9	—
			A 2.	11 40·3	10 28·8	11 04·5	
			A 1 L.	11 07·3	10 58·3	11 02·8	
			A 2 L.	11 14·0	10 52·4	11 03·2	
		1	A 1.	10 58·1	10 59·7	10 58·9	
		3	A 2.	10 48·6	11 14·0	11 01·3	
			A 1 L.	11 16·3	10 58·3	11 07·3	
		1	A 1 L.	10 46·0	11 14·2	11 00·1	
			A 2 L.	10 56·9	11 07·3	11 02·1	11 02·7
27.	Tondano	1	A 1.	C.* 3·0	10 53·6	10 56·6	
			A 1 L.	C. 16·7	10 38·7	10 55·4	
			A 2 L.	C. 5·8	10 49·1	10 54·9	10 55·6
29.	Manado	1	A 1.	C. 3·0	10 42·4	10 45·4	
			A 1 L.	C. 16·7	10 29·1	10 45·8	
	COCOS.		A 2 L.	C. 5·8	10 37·6	10 43·4	10 44·9
Aug. 26.	Direction Island.	1	A 1.	C. 3·0	39 20·5	39 23·5	
			A 2.	39 16·4	C. 6·0	39 22·4	
			A 2 L.	39 18·1	C. 3·0	39 21·1	
		2	A 1.	40 14·8	38 27·6	39 21·2	
			A 2.	39 42·8	38 56·5	39 19·6	
			A 1 L.	39 20·2	39 16·8	39 18·5	
			A 2 L.	39 30·1	39 07·8	39 18·9	
Sept. 6.		3	A 2.	39 14·3	39 28·5	39 21·4	
			A 1 L.	39 28·8	39 12·8	39 20·8	
7.		3	A 2.	39 13·8	39 27·2	39 20·5	
			A 1 L.	39 27·8	39 08·8	39 18·3	
		2	A 1.	40 08·6	38 29·3	39 18·9	
			A 2.	39 40·6	38 56·1	39 18·3	
			A 1 L.	39 23·7	39 21·3	39 22·5	
			A 2 L.	39 29·7	39 09·7	39 19·7	
8.		1	A 1.	C. 3·0	39 17·1	39 20·1	
			A 1 L.	39 9·4	C. 6·0	39 15·4	
			A 2 L.	39 16·3	C. 3·0	39 19·3	
		2	A 1.	40 14·3	38 30·1	39 22·2	
			A 2.	39 35·3	39 05·3	39 20·3	
			A 1 L.	39 26·8	39 19·5	39 23·1	
			A 2 L.	39 30	39 05·6	39 17·8	
		3	A 2.	39 18	39 23·5	39 20·7	
			A 1 L.	39 26·6	39 12·0	39 19·3	
11.		1	A 1.	C. 3·0	39 18·0	39 21·0	
			A 1 L.	39 13·5	C. 6·0	39 19·5	
			A 2 L.	39 18·1	C. 3·0	39 21·1	
25.		1	A 1.	C. 3·0	39 18·0	39 21·0	
			A 1 L.	39 14·5	C. 6·0	39 20·5	
			A 2 L.	39 14·8	C. 3·0	39 17·8	
		2	A 1.	40 09·7	38 29·5	39 19·6	
			A 2.	39 34·6	38 55·1	39 14·8	
			A 1 L.	39 17·5	39 20	39 18·7	
			A 2 L.	39 31·4	39 05·3	39 18·4	
		3	A 2.	39 14·7	39 26·6	39 20·6	
			A 1 L.	39 30·0	39 15·3	39 22·6	39 20
Nov. 10.	Singapore ...	1	A 1.	C. 0	12 56·4	12 56·4	
			A 1 L.	12 35·0	C. 16·3	12 51·3	
			A 2 L.	12 55·0	C. 2·0	12 57·0	
13.		2	A 1.	13 59·5	11 48·2	12 53·8	
			A 2.	13 28·3	12 15·2	12 51·7	
			A 1 L.	12 46·6	12 57·7	12 52·1	
			A 2 L.	13 08·0	12 42·5	12 55·2	
		3	A 2.	12 39·4	13 14·0	12 56·7	
			A 1 L.	13 16·7	12 46·4	13 01·5	
14.		3	A 1 L.	13 15·3	12 49·2	13 02·2	
			A 2.	12 54·8	13 15·4	13 05·1	

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				—	—	—	South.
1848.							
Nov. 14.	Singapore ...	2	A 2 L.	13° 16′	12° 53′·6	13° 04′·8	
			A 1 L.	13 01·3	13 02·1	13 01·7	
			A 2.	13 28·8	12 20·5	12 54·6	
			A 1.	14 03·5	11 53·7	12 58·6	
		1	A 2 L.	12 57·6	C. 2	12 59·6	
			A 1 L.	12 44·1	C. 16·3	13 00·4	
			A 1.	C. 0	12 59·5	12 59·5	
		1	A 1.	C. 0	12 54·3	12 54·3	
			A 1 L.	12 41·2	C. 16·3	12 57·5	
			A 2 L.	12 54·3	C. 2·0	12 56·3	
		1	A 2 L.	12 56·7	C. 2·0	12 58·7	
			A 1 L.	12 45·6	C. 16·3	13 01·9	
			A 1.	C. 0	12 52·3	12 52·3	
24.		1	A 1.	C. 0	12 51·3	12 51·3	
			A 1 L.	12 41·1	16·3	12 57·4	
			A 2 L.	13 00·3	2·0	13 02·3	
		2	A 1.	14 03·4	11 48·4	12 55·9	
			A 2.	13 27·1	12 13·6	12 50·3	
			A 1 L.	13 02·3	13 07	13 04·6	
			A 2 L.	13 13·5	12 50·8	13 02·1	
		3	A 2.	13 06·2	12 51·8	12 59·0	
			A 1 L.	13 12·8	12 49·1	13 00·9	
		1	A 1.	C. 0	12 57·8	12 57·8	
			A 1 L.	12 45·6	C. 16·3	13 01·9	
			A 2 L.	12 57·0	C. 2	12 59·0	
		2	A 1.	14 01·9	11 51·5	12 56·6	
			A 2.	13 29·0	12 17·8	12 53·4	
			A 1 L.	12 58·2	13 05·8	13 02·0	
			A 2 L.	13 11·4	12 46·0	12 58·7	
		3	A 2.	12 53·6	13 16·2	13 04·9	
			A 1 L.	13 19·2	12 51·9	13 05·5	
Dec. 1.		3	A 2.	12 45·2	13 11·5	12 58·2	
14.			A 1 L.	12 45·6	13 18·3	13 01·9	
		3	A 2.	12 48·7	13 17·3	13 03·0	
			A 1 L.	12 52·8	13 21·5	13 07·1	
5.		3	A 2.	12 48·9	13 13·9	13 01·4	
15.			A 1 L.	13 20	12 47·8	13 03·9	
		3	A 2.	12 50·0	13 18·0	13 04·0	
			A 1 L.	13 19·2	12 47·4	13 03·3	
6.		3	A 2.	12 49·6	13 13·6	13 01·6	
15.			A 1 L.	13 15·5	12 43·2	12 59·3	
		3	A 2.	12 49·7	13 23·2	13 06·4	
			A 1 L.	13 25·3	12 46·7	13 06·0	
7.		3	A 2.	12 44·2	13 13	12 58·6	
16.			A 1 L.	13 13·8	12 49·9	13 01·8	
		3	A 2.	12 50·1	13 13·3	13 01·6	
			A 1 L.	13 16·7	12 48·8	13 02·7	
8.		3	A 2.	12 47·8	13 10·6	12 59·2	
16.			A 4 L.	13 11·7	12 46·8	12 59·2	
		3	A 1 L.	13 16·8	12 51·5	13 04·1	
			A 2.	12 47·3	13 14	13 00·7	
12.		1	A 1.	C. 0	12 55·3	12 55·3	
19.			A 1 L.	12 44·3	C. 16·3	13 00·6	
			A 2 L.	12 54·5	C. 2	12 56·5	
		1	A 2 L.	12 55·9	C. 2	12 57·9	
			A 1 L.	12 46·1	C. 16·3	13 02·4	
			A 1.	C. 0	12 58·6	12 58·6	
12.		2	A 1.	13 59	11 44·7	12 51·8	
28.			A 2.	13 26·9	12 14·5	12 50·7	
			A 1 L.	12 58·8	13 06·6	13 02·7	
			A 2 L.	13 09·7	12 47·7	12 58·7	
		2	A 2 L.	13 15·8	12 48·6	13 02·2	
			A 1 L.	13 03·7	13 08·3	13 06·0	
			A 2	13 30·1	12 14·1	12 52·1	
			A 1	14 06·5	11 47·2	12 56·8	
12.		3	A 2.	12 47·4	13 11·5	12 59·4	
Dec. 28.			A 1 L.	13 20	12 51·4	13 05·7	
		3	A 1 L.	13 21·2	12 48·5	13 04·8	
			A 2.	12 47·5	13 14·1	13 00·8	12° 59′·4

* C. the correction applied to the needle, the poles remaining unchanged.

TABLE F.

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				−	−	−	South.
1849.							−
Jan. 2.	Malacca	1	A 1.	C. ° ′ 0	11° 27′·4	11° 27′·4	
			A 1 L.	11 10·8	C. 16·3	11 27·1	
			A 2.	11 27·1	C. 2·0	11 29·1	
3.		2	A 1.	12 36·3	10 18·2	11 27·2	
			A 2.	12 04·9	10 48·7	11 26·8	
			A 1 L.	11 38·1	11 23·6	11 30·8	
			A 2 L.	11 42·0	11 13·2	11 27·6	
		3	A 2.	11 04·6	11 49·8	11 27·2	
			A 1 L.	11 43·2	11 12·0	11 27·6	11° 27′·9
10.	Pulo Dinding.	1	A 1.	7 31·3	7 31·6	7 31·4	
			A 1 L.	7 14·7	7 47·4	7 31·0	
			A 2 L.	7 26·9	7 30·9	7 28·9	
		2	A 1.	8 42·6	6 24·4	7 33·5	
			A 2.	8 07·4	6 58·7	7 33·0	
			A 1 L.	7 34·7	7 38·4	7 36·5	
			A 2 L.	7 50·3	7 27·7	7 39·0	
		3	A 2.	7 18·7	7 56·2	7 37·4	
			A 1 L.	7 46·1	7 22·4	7 34·2	7 33·9
20.	Pulo Penang .	1	A 1.	5 00·4	4 57·5	4 59·0	
			A 1 L.	4 34·3	5 11·0	4 52·6	
			A 2 L.	4 48·9	5 01·2	4 55·0	
		2	A 1.	6 07·8	3 40·2	4 54·0	
			A 2.	5 33·3	4 15·0	4 54·1	
			A 1 L.	4 58·3	4 55·0	4 56·6	
			A 2 L.	5 07·3	4 47·3	4 57·3	
25.		3	A 1 L.	5 07·9	4 48·8	4 58·3	
			A 2.	4 35·4	5 10·3	4 52·8	4 55·5
				+	+	+	North.
Feb. 5.	Car Nicobar...	1	A 1.	1 20	1 13·2	1 16·6	
			A 1 L.	1 35·1	1 01·5	1 18·3	
			A 2 L.	1 21·8	1 11·8	1 16·8	
6.		2	A 1.	0 07·1	2 28·6	1 17·8	
			A 2.	0 39·0	2 00·3	1 19·6	
			A 1 L.	1 18·2	1 22·3	1 20·2	
			A 2 L.	1 08·7	1 23·8	1 16·2	
12.		3	A 2.	1 38·2	0 52·9	1 15·5	+
			A 1 L.	1 05·6	1 32	1 18·8	1 17·8
				−	−	−	South.
17.	Noncowry Harbour.	3	A 1 L.	1 13·8	0 44·1	0 58·9	−
			A 2.	0 38·8	1 13	0 55·9	0 57·4
19.	Bompoko.....	3	A 1 L.	0 34·9	0 17·3	0 26·1	
			A 2	0 05·7	0 45·8	0 25·7	0 25·9
				+	+	+	+
Mar. 26.	Hastings' Island.	1	A 1.	4 30·5	4 35·0	4 32·7	North.
			A 1 L.	4 46·6	4 07·4	4 27·0	
			A 2 L.	4 38·7	4 22·6	4 30·6	

Date.	Name of Station.	Circle.	Needle.	Poles. Direct.	Poles. Reversed.	Dip.	Mean Dip.
				+	+	+	North.
1849.							+
	Hastings' Island.	2	A 1.	3° 19′·8	5° 42′·3	4° 31′·0	
			A 2.	3 51·3	5 11·4	4 31·3	
			A 1 L.	4 46	4 26·9	4 36·9	
			A 2 L.	4 20·5	4 44·7	4 32·6	
		3	A 2.	4 51	4 16·7	4 33·8	
			A 1 L.	4 11	4 58	4 34·5	4° 32′·2
April 14.	Moulmein ...	2	A 1.	16 41·4	18 49·4	17 45·4	
17.			A 2.	17 06·0	18 24·8	17 45·4	
21.			A 1 L.	17 58	17 52·3	17 55·1	
		1	A 1.	17 53·9	17 42·7	17 48·3	
			A 1 L.	17 54·5	17 43·1	17 48·8	
24.			A 2 L.	17 51	17 41·7	17 46·3	
		3	A 2.	18 07·8	17 31·7	17 49·7	
May 23.			A 1 L.	17 37·7	18 10	17 53·8	17 49·1
	Madras	3	A 1 L.	7 16·0	7 59·1	7 37·5	
		1	A 1.	7 38·4	7 34·5	7 36·5	
		1	A 1 L.	7 41·8	7 35·5	7 38·6	
24.		1	A 2 L.	7 47·6	7 32·0	7 39·8	
26.		2	A 1.	6 24·9	8 43·0	7 34·0	
			A 2.	6 55·9	8 11·7	7 33·8	
			A 1.	6 24·9	8 48·3	7 36·6	
			A 1 L.	7 44·1	7 37·1	7 40·6	
			A 2 L.	7 25·6	7 50·7	7 38·1	
		3	A 2.	7 59·0	7 17·5	7 38·2	
July 24.			A 1 L.	7 27·5	7 57·3	7 42·4	
		2	A 1.	6 28·6	8 52·2	7 40·4	
			A 2.	6 55·7	8 17·8	7 36·7	
			A 1 L.	7 46·3	7 29·9	7 38·1	
27.			A 2 L.	7 27·2	7 51·2	7 39·2	
		1	A 1.	7 35·3	7 37·7	7 36·5	
28.			A 1 L.	7 41·8	7 28·8	7 35·3	
		1	A 1 L.	7 47·0	7 29·5	7 38·2	
		3	A 2.	7 59·5	7 14·5	7 38·0	
Aug. 30.		3	A 1 L.	7 25·5	7 56·7	7 41·1	
		1	A 1.	7 35·6	7 33·1	7 34·3	
		1	A 1 L.	7 37·6	7 29·7	7 33·6	
		1	A 2 L.	7 48·8	7 27·9	7 38·3	
		2	A 1.	6 23·1	8 48·1	7 35·6	
		2	A 2.	6 54·5	8 17·8	7 36·1	
		2	A 1 L.	7 25·0	7 54·8	7 39·9	
		2	A 2 L.	7 22·2	7 54·7	7 38·4	
		3	A 2.	8 00·8	7 19·8	7 40·3	
		3	A 1 L.	7 23·3	7 53·3	7 38·3	7 37·7

TABLE F.

General Table containing the mean result of all the Dips determined both on Shore and at Sea, and the whole reduced to one common Epoch, viz. January 1, 1848.

Station.	Date.	Latitude.	Longitude.	Dip observed.	Dip deduced, Jan. 1, 1848.	Place of observation.
Singapore	April, 1846 ...	+1° 18′ 32″ N.	103° 56′ 30″ E.	−12° 47·0 S.	−12° 51·8 S.	Magnetic Observatory.
Singapore	March, 1848 .	.....	.....	12 56·8	12 56·2	Magnetic Observatory.
Singapore	January, 1849	.....	.....	12 59·4	12 56·7	Magnetic Observatory.
BORNEO.						
Sarāwak	July, 1846 ...	1 33 54	110 29 00	11 10·9	11 14·9	Near Sir J. BROOKE's House.
Sambas		1 22 00	109 28 00	11 27·0	11 31·0	Resident's Garden.
Permanket		1 10 29	109 04 15	12 31·8	12 35·8	Near the mouth of the River.
Pontiānak	August, 1846.	−0 01 19 S.	109 30 00	14 41·3	12 45·0	Garden of the Resident.
Succadāna		1 15 33	109 57 00	16 58·4	17 02·1	Garden of Assistant Resident.
JAVA.						
Batavia	Sept. 1846 ...	6 09 52	106 58 00	27 03·00	27 06·6	Magnetic Observatory in the middle
Batavia	Nov. 1846 ...	.....	.....	26 57·2	27 00·2	of a large rice-field, termed Sāwa
Batavia		.....	.....	27 02·4	27 05·4	Besār.
Batavia	July, 1847 ...	.....	.....	27 08·2	27 09·5	
Ceram	October, 1846	6 07 05	106 15 00	27 11·0	27 14·2	Garden of Resident.
Anjeer		6 02 47	106 01 00	26 28·8	26 32	Garden of Assistant Resident.
Cheringin		6 22 05	105 56 45	27 30·8	27 34	Garden of Assistant Resident.
Palambangan		6 31 00	105 54 45	28 05·4	28 08·6	Garden of Bungalow.
Chebiliang		6 47 00	105 49 15	28 37·9	28 41·1	Garden of Bungalow.
Chelangkahan		6 54 00	106 06 45	28 20·7	28 23·9	
Goonong Dādap		6 28 00?	106 06 00	27 28·5	27 31·7	Close to the Public Bungalow.
Woorong Goonong		6 11 00?	106 10 00?	27 20·0	27 23·2	Near the Assistant Resident's House.
Tanāra		6 08 00?	106 40 00?	27 02·6	27 05·8	Garden of Assistant Resident.
Tegu	December.	6 43 04	106 58 45	28 42·4	28 45·4	Garden of Bungalow.
Pangerango		6 51 00	106 59 00	29 42·7	29 45·7	Top of the Mountain near the Bun-
Chunjūr		6 50 08	107 09 45	28 23·1	28 26·1	Garden of Resident. [galow.
Kārang Tengga		6 58 16	106 47 45	28 21·1	28 24·1	Garden of Bungalow.
Chebrānok		6 57 14	106 25 30	28 27·8	28 30·8	Close to the River.
Wine Cooper's Bay		7 05 00?	106 36 00	29 18·5	29 21·5	Garden of Bungalow.
Chilotoe		7 11 17	106 27 00	28 51·3	28 54·3	Garden of Bungalow.
Pangangbahan		7 30 37	106 19 00	29 41·4	29 44·4	Garden of Bungalow.
Mooāro Chikasso		7 28 00	106 38 00	30 05·3	30 08·3	Garden of Bungalow.
Sidang Bārang		7 30 00	107 10 00	30 12·0	30 15·0	Garden of Bungalow.
Bejong Petair		7 13 36	107 02 00	29 33·5	29 36·5	Garden of Bungalow.
Bandong		6 55 44	107 40 30	28 31·4	28 34·4	Garden of Regent.
Garoet		7 13 54	107 55 00	28 58·5	29 01·5	Garden of Bungalow.
Permangpek		7 39 23	107 45 15	30 11·8	30 14·8	Garden of Bungalow.
Cherūgnūktok	January, 1847	7 38 25	108 09 45	30 08·2	30 10·9	Garden of Bungalow.
Kālipoochen		7 39 02	108 52 30	29 51·2	29 53·9	Garden of Assistant Resident.
Banjeer		7 23 08	108 42 00	29 07·2	29 09·9	Garden of Bungalow.
Chāwee		7 09 34	108 23 00	28 39·2	28 41·9	Garden of Bungalow.
Samadang		6 51 14	108 04 45	27 57·5	28 00·2	Garden of Inn.
Cheribon		6 43 34	108 42 00	27 49·3	27 52·0	Garden of Inn.
Indramāyu	February.	6 19 35	108 25 45	27 28·5	27 30·9	Garden of Assistant Resident.
Tegal		6 51 57	109 15 30	28 02·7	28 05·1	Garden of Inn.
Samārang		6 59 42	110 30 45	27 02·2	27 04·6	Mr. M^{c}LACHLAN's Garden.
Japara		6 36 07	110 38 15	27 27·5	27 29·9	Garden of Regent.
Ambarāwa		7 16 08	110 28 45	29 25·3	29 27·7	Garden of General VAN DER WYCK.
Balembang		7 24 00?	110 37 30	29 00·0	29 02·4	Garden of Mr. FORRESTIER.
Solo		7 35 00	110 53 30	29 10·3	29 12·7	Garden near the Inn.
Nyāwee	March.	7 23 52	111 29 15	28 57·7	28 59·9	Garden of Engineer Commandant.
Bankāwa		7 00 26	112 21 00	27 45·1	27 47·3	On the bank of the River Solo.
Soorabāya		7 16 01	112 44 30	28 50·8	28 53·0	Mr. FRAZER's garden. [lace-
Sūmenap	April.	7 00 26	113 51 15	27 43·8	27 45·8	Ground in front of the Sultan's Pa-
Pulo Kuneeang		6 51 32	115 16 30	27 23·6	27 25·6	Garden of Bungalow.
Bczooki	May.	7 43 29	113 42 45	29 05·7	27 07·5	Garden of Resident.
Kedeeri		7 48 29	112 00 00	29 50·4	29 52·2	Garden of Resident.
Patchitan	June.	8 12 56	111 05 30	30 34·5	30 36	Garden of Resident.
Munoori		7 35 22	110 04 00	29 19·0	29 20·5	Garden of Bungalow.
Kārang Bolong		7 45 44	109 27 00	29 54·4	29 55·9	Garden of Bungalow.
Chilācbap		7 44 29	108 57 15	29 44·3	29 45·8	Garden of Bungalow.
Aji Bārang		7 24 49	109 03 30	27 20·8	27 22·1	Garden of Bungalow.
SUMATRA.						
Telok Betoug, Lampong Bay	September.	5 26 12	105 20 15	26 14·8	26 15·7	Garden of Assistant Resident.
Poolo Bay, near Bencoolen		3 53 54	102 28 45	23 53·1	23 54·0	Close to the Bay.
Padang	November.	0 58 58	100 31 15	18 31·7	18 32·2	Near the sea-shore.
Solok		0 47 05 S.	100 55 45 E.	17 53 S.	17 50·8 S.	Garden of Commandant.

TABLE F.

Station.	Date.	Latitude.	Longitude.	Dip observed.	Dip deduced, Jan. 1, 1848.	Place of observation.
SUMATRA.						
Sijonjong	Nov. 1847 ...	−0° 41′ 47″ S.	101° 19′ 30″ E.	−1° 49′·3 S.	−1° 49′·8 S.	Garden of Commandant.
Bua Pānjāng		0 28 09	101 08 00	17 10·9	17 11·4	Garden of Commandant.
Pāyacombo		0 13 10	101 04 45	16 37·7	16 38·2	Garden of Commandant.
Fort Vande Capellen		0 27 34	101 03 00	17 11·8	17 12·3	Garden of Commandant.
Padang Panjang		0 22 00?	100 42 30	17 47·0	17 47·5	Garden of Inn.
Fort de Kock	December.	0 13 00?	100 27 15	16 59·4	16 59·6	Garden of Assistant Resident.
Menindjo		0 13 00?	100 14 00	17 00·4	17 00·6	Garden of Assistant Resident.
Balembangan		0 11 44	100 10 15	16 47·1	16 47·3	Garden of Assistant Resident.
Peesang		0 07 55	100 12 00	16 33·2	16 33·4	Garden of Bungalow.
Bonjol		0 00 52	100 13 00	16 38·3	16 38·5	Garden of Assistant Resident.
Loobisikapping		+0 06 55 N.	.....	16 08·1	16 08·3	Garden of Controleur.
Batoo Bedindi		0 16 00	.....	15 49·0	15 49·2	Garden of Bungalow.
Lender		0 24 24	100 04 00	15 35·0	15 35·2	Garden of Bungalow.
Rau		0 33 07	99 56 45	15 37·2	15 37·4	Garden of Assistant Resident.
Pionghay		0 36 19	99 52 15	15 50·0	15 50·2	Garden of Bungalow.
Batong		0 39 00	99 47 15	15 41·3	15 41·5	Garden of Bungalow.
Kotanopan		0 42 00	99 42 45	15 19·7	15 19·9	Garden of Bungalow.
Tāna Bātoo		0 44 26	99 30 45	15 02·9	15 03·1	Garden of Bungalow.
Fort Elout		0 50 56	99 32 20	14 47·9	14 48·1	Garden of Bungalow.
Singalāngan		1 14 48	.....	14 11·7	14 11·9	Garden of Bungalow.
Padang Sidompang		1 22 33	99 22 45	13 46·8	13 47·0	Garden of Commandant.
Sibogha		1 44 42	98 56 15	13 02·3	13 02·5	Garden of Resident.
Bāros		2 00 51	98 31 30	12 57·8	12 58·0	Garden of Assistant Resident.
Sinkel		2 16 37	97 51 35	12 23·3	12 23·5	Garden of Commandant.
Pulonias, Goonong Satoolie	Jan. 1848.....	1 17 35	97 40 30	14 05·6	14 05·8	Garden of Commandant.
Nātal		0 33 44	99 20 15	15 32·2	15 32·4	Garden of Assistant Resident.
Mount Ophir, near Malācca	April 1848 ...	2 22 ?	102 38 ?	9 55·8	9 55·1	Top of Mount Ophir.
At sea	Apr. 25.	2 20	107 11	9 56·8	9 56·1	At sea.
At sea	Apr. 26.	2 17	107 49	9 25·6	9 24·9	At sea.
At sea	Apr. 27.	2 42	108 03	9 57·4	9 56·7	At sea.
At sea	Apr. 28.	2 48	109 25	8 39·8	8 39·1	At sea.
At sea	Apr. 29.	3 19	111 18	7 17·0	7 16·3	At sea.
At sea	May 1.	4 45	113 45	4 06·6	4 05·6	At sea.
	May 2.	5 16	115 16	2 53·7	2 52·7	At sea.
Pulo Labooan	May.	5 16 59	115 18 15	2 52·6	2 51·6	Near the flag-staff.
At sea	May 11.	5 41	115 05	1 33·1	1 32·1	At sea.
At sea	May 12.	6 23	116 09	+ 0 03·7 N.	+ 0 02·7 N.	At sea.
At sea	May 13.	7 25	117 18	1 46·6	1 45·6	At sea.
At sea	May 14.	7 11	118 44	1 32·6	1 31·6	At sea.
At sea	May 15.	7 07	119 50	1 34·3	1 33·3	At sea.
At sea	May 16.	7 15	120 30	1 33·8	1 32·8	At sea.
At sea	May 17.	7 13	120 44	1 26·8	1 25·8	At sea.
At sea	May 18.	6 54	121 30	0 37·4	0 36·4	At sea.
At sea	May 19.	7 03	121 18	0 50·6	0 49·6	At sea.
At sea	May 20.	7 09	121 50	0 57·7	0 56·7	At sea.
Sambooanga	June.	6 54 20	122 13 45	1 19·3	1 18·2	On the spot where Sir E. BELCHER
At sea	June 3.	6 25	122 44	− 0 25·0 S.	− 0 23·9 S.	observed.
At sea	June 5.	5 19	125 03	2 34·5	2 33·4	At sea.
At sea	June 6.	4 24	124 00	4 14·5	4 13·4	At sea.
At sea	June 7.	3 56	124 40	5 17·2	5 16·1	At sea.
At sea	June 8.	3 34	124 20	5 42·6	5 41·6	At sea.
At sea	June 9.	3 37	125 20	5 50·4	5 49·3	At sea.
At sea	June 10.	3 20	125 00	6 22·2	6 21·1	At sea.
At sea	June 11.	3 02	125 21	6 56·6	6 55·5	At sea.
At sea	June 12.	2 26	125 24	8 18·0	8 16·9	At sea.
At sea	June 13.	1 59	125 27	8 54·0	8 52·9	At sea.
At sea	June 14.	1 47	125 27	9 44	9 42·9	At sea.
At sea	June 15.	1 34	125 21	9 57·1	9 56·0	At sea.
Keemah	July.	1 21 55	125 07 59	11 02·7	11 01·4	In a garden near the village.
Tondāno	July.	1 17 31	124 59 11	10 55·6	10 54·3	Garden of Missionary.
Manādo	July.	1 29 11	124 51 11	10 44·9	10 43·6	Garden near the fort.
At sea	July 7.	0 38 51	126 29	11 48·8	11 47·5	At sea.
At sea	July 8.	0 26 52	127 05	12 44·5	12 43·2	At sea.
At sea	July 10.	−0 11 S.	128 42	13 51·2	13 49·9	At sea.
At sea	July 11.	0 33	127 55	14 24·5	14 23·2	At sea.
At sea	July 12.	1 25	128 00	16 42·1	16 40·8	At sea.
At sea	July 13.	1 32	128 05	16 33·1	16 31·8	At sea.
At sea	July 14.	1 29	128 12	16 48·7	16 47·4	At sea.
At sea	July 15.	2 13	127 57	17 28·3	17 27·0	At sea.
At sea	July 17.	2 55	126 00	19 14·5	19 13·2	At sea.
At sea	July 21.	4 20	123 10	22 21·7	22 20·4	At sea.
At sea	July 22.	5 05	122 30	23 39·6	23 38·3	At sea.
At sea	July 24.	5 46	121 03	25 03·5	25 02·2	At sea.
At sea	July 25.	5 51	−119 36	25 18·3	25 17·0	At sea.

TABLE F.

Station.	Date.	Latitude.	Longitude.	Dip observed.	Dip deduced, Jan. 1, 1848.	Place of observation.
SUMATRA.						
At sea	July 28, 1848	− 5° 34′ ″ S.	112° 20′ ″ E.	−25° 26·1 S.	25° 24·8 S.	At sea.
At sea	July 29.	5 30	110 12	25 21·1	25 19·8	At sea.
At sea	July 31.	5 58	106 55	26 24·1	26 22·8	At sea.
At sea	Aug. 12.	6 10	107 04	26 47·8	26 46·3	At sea.
At sea	Aug. 16.	6 04	105 27	26 32·0	26 30·5	At sea.
At sea	Aug. 17.	6 32	105 00	27 29·7	27 28·2	At sea.
At sea	Aug. 20.	6 35	104 45	27 36·7	27 35·2	At sea.
Cocos or Keeling Island	September.	12 05 38	96 50 30	39 20·0	39 18·5	Cocoa Nut Plantation, Direction
At sea	Oct. 4.	6 12	103 30	27 03·6	27 01·6	At sea. [Island.
At sea	Oct. 5.	5 38	103 17	25 40·3	25 38·3	At sea.
At sea	Oct. 22.	5 23	106 37	24 58·5	24 56·5	At sea.
At sea	Oct. 23.	3 24	105 58	21 46·7	21 44·7	At sea.
At sea	Oct. 24.	3 12	105 45	20 58·0	20 56·0	At sea.
At sea	Oct. 25.	2 51	105 38	20 23·2	20 21·2	At sea.
At sea	Oct. 26.	2 17	105 29	19 38·6	19 36·6	At sea.
At sea	Oct. 27.	2 06	104 44	19 19·9	19 17·9	At sea.
At sea	Oct. 30.	1 39	104 32	18 17·0	18 15·0	At sea.
At sea	Oct. 31.	1 23	105 07	17 59·8	17 57·8	At sea.
At sea	Nov. 1.	1 11	105 00	17 36·0	17 34·0	At sea.
At sea	Nov. 3.	+ 0 46 N.	105 20	14 03·2	14 01·0	At sea.
At sea	Nov. 4.	1 08	105 20	12 58·9	12 56·7	At sea.
At sea	Nov. 5.	1 16	103 55	13 15·2	13 13·0	At sea.
At sea	Jan. 1, 1849	1 40	102 51	12 04·1	12 01·4	At sea.
Malacca	Jan. 2.	2 11 19	102 17 00	11 27·9	11 25·2	Near the fort.
At sea	Jan. 4.	2 10	102 15	11 27·3	11 24·6	At sea.
At sea	Jan. 8.	3 54	100 25	7 44	7 41·3	At sea.
Pulo Dinding	January.	4 12 47	100 32 52	7 33·9	7 31·2	On the sea-shore.
Pulo Penang	February.	5 25 36	100 24 38	4 55·5	4 52·8	To the north and westward of Fort
At sea	Feb. 1.	7 53	97 13	0 03·3	0 00·3	At sea. [Cornwallis.
Car Nicobar	February.	9 10 12	92 48 23	+ 1 17·8 N.	+ 1 14·8 N.	On the sea-shore.
Noncowry Harbour		8 01 42	93 39 20	− 0 57·4 S.	− 0 54·4 S.	On an elevation near the shore.
Bompoko		8 14 05	93 19 20	0 25·9	0 22·9	In the village.
At sea	Mar. 19.	6 59	98 30	1 31·2	1 28·0	At sea.
At sea	Mar. 20.	8 06	97 34	+ 0 31·2 N.	+ 0 28·0 N.	At sea.
At sea	Mar. 21.	8 40	97 52	1 24·1	1 20·9	At sea.
At sea	Mar. 22.	9 11	98 10	2 49·0	2 45·8	At sea.
At sea	Mar. 23.	9 46	98 16	3 54·8	3 51·6	At sea.
Hastings' Island	Mar. 26.	10 06 45	98 21 15	4 22·2	4 19·0	On the sea-shore.
At sea	Mar. 29.	10 22	97 44	4 36·8	4 33·6	At sea.
At sea	Mar. 30.	11 01	97 30	5 52·2	5 49·0	At sea.
At sea	Mar. 31.	11 21	97 17	6 52·0	6 48·8	At sea.
At sea	April 2.	12 17	97 35	8 43·2	8 39·7	At sea.
At sea	April 3.	12 25	97 34	9 00·7	8 57·2	At sea.
At sea	April 5.	14 44	97 21	13 47·7	13 44·2	At sea.
At sea	April 6.	15 07	97 26	14 51·6	14 48·1	At sea.
At sea	April 7.	16 04	97 34	17 12·7	17 09·2	At sea.
Moulmein	April,	16 29 46	97 45 30	17 49·1	17 45·6	Garden of Captain Scott.
Madras	May,	13 04 09	80 16 00	7 37·7	7 34·2	Garden of Observatory.

TABLE G.

Absolute Horizontal Intensity at various Stations in the Eastern Archipelago, from observations made with the Induction Inclinometer, with the Observatory Unifilar Magnetometer, and with JONES's Portable Unifilar Magnetometer.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1846.						seconds.				
Mar. 20.	Singapore.	H 12	D 5	1·20	° 2 34′ 00″	1158·0	O	0·316	8·135	
				1·30	2 01 03			0·316	8·140	
				1·40	1 36 56			0·316	8·141	
				1·60	1 04 56			0·316	8·144	
				1·70	0 54 13			0·316	8·138	
				1·80	0 45 37			0·316	8·144	
				1·90	0 38 57			0·317	1·128	
				2·00	0 33 18			0·316	8·139	
				2·20	0 24 58			0·316	8·148	
		H 12	D 6	1·20	2 29 20	1170·4		0·306	8·112	
				1·30	1 57 32			0·306	8·121	
				1·40	1 34 01			0·305	8·127	
				1·50	1 16 26			0·306	8·119	
				1·60	1 03 02			0·306	8·116	
		H 12	D 6	1·70	0 52 38	1170·4		0·306	8·110	
				1·80	0 44 26			0·306	8·102	
				1·90	0 37 27			0·306	8·120	
				2·00	0 32 10			0·305	8·131	
				2·10	0 27 54			0·306	8·115	
				2·20	0 24 15			0·306	8·118	
				2·30	0 21 10			0·305	8·129	
28.		H 12	D 5	1·25	2 16 41	1158·0		0·317	8·133	
				1·30	2 01 31			0·316	8·133	
				1·35	1 48 30			0·316	8·136	
				1·40	1 37 13			0·316	8·139	
31.		H 11	D 5	1·25	2 17 40	1158·0	I.	0·318	8·098	
				1·30	2 02 20			0·318	8·101	
				1·35	1 49 10			0·318	8·105	
				1·40	1 37 55			0·318	8·104	
		H 11	D 6	1·25	2 12 22	1170·4		0·306	8·111	
				1·30	1 57 32			0·306	8·116	
				1·35	1 45 05			0·306	8·112	
				1·40	1 34 11			0·306	8·115	
April 1.		H 12	D 6	1·25	2 11 32		O.	0·305	8·134	
				1·30	1 57 02			0·305	8·132	
				1·35	1 44 33			0·305	8·131	
				1·40	1 33 40			0·305	8·135	
2.		H 11	A 8	1·15	2 10 19	1020·9		0·236	8·133	
				1·40	1 12 26			0·236	8·133	
3.		H 11	A 10	1·25	2 15 52	889·4		0·315	8·100	
				1·40	1 36 49			0·315	8·101	
		H 12	A 10	1·25	2 15 01			0·314	8·114	
				1·40	1 36 17			0·314	8·111	
11.		H 12	A 6	1·20	2 13 43	949·2		0·276	8·129	
				1·40	1 24 28			0·276	8·133	
				1·20	2 14 46		I.	0·276	8·110	
				1·40	1 25 16			0·277	8·097	
		H 12	A 9	1·30	2 02 57	869·46	O.	0·321	8·108	
				1·40	1 38 30			0·320	8·117	
13.		H 11	A 9	1·30	2 03 45	868·10	I.	0·321	8·105	
				1·40	1 39 09			0·321	8·103	
		H 11	A 7	1·30	2 15 54	840·5		0·354	8·103	
				1·40	1 48 39			0·353	8·112	
		H 12	A 7	1·30	2 15 08		O.	0·353	8·118	
				1·40	1 48 16			0·353	8·116	8·121
1848.										
Feb. 18.		H 11	D 5	1·25	2 07 47	1202·5	I.	0·294	8·107	
				1·30	1 53 35			0·294	8·108	
				1·35	1 41 20			0·294	8·109	
				1·40	1 30 49			0·294	8·114	
		H 11	A 7	1·30	2 09 25	861·0		0·336	8·095	
				1·35	1 55 40			0·336	8·094	
				1·40	1 43 50			0·337	8·090	
				1·45	1 33 39			0·337	8·089	
		H 11	A 8	1·15	1 59 37	1064·7		0·216	8 127	
				1·20	1 45 20			0·216	8·124	
1848.										
Feb. 18.	Singapore.	H 11	A 8	1·25	° 1 33′ 12″	1064·7	I.	0·216	8·131	
				1·30	1 22 59			0·217	8·124	
		H 11	A 9	1·25	2 14 59	881·4		0·312	8·105	
				1·30	2 00 03			0·312	8·108	
				1·35	1 47 13			0·312	8·109	
				1·40	1 36 14			0·312	8·105	
		H 11	A 10	1·25	1 58 39	951·3		0·274	8·113	
				1·30	1 45 27			0·274	8·116	
				1·35	1 34 10			0·274	8·117	
				1·40	1 24 29			0·274	8·115	
Mar. 7.		H 12	D 5	1·25	2 07 05	1202·5	O.	0·294	8·124	
				1·30	1 52 53			0·293	8·130	
				1·35	1 40 44			0·293	8·132	
				1·40	1 30 22			0·293	8·131	
		H 12	A 7	1·30	2 08 44	861·0		0·336	8·113	
				1·35	1 54 58			0·336	8·114	
				1·40	1 43 12			0·336	8·111	
				1·45	1 32 48			0·335	8·116	
		H 12	A 8	1·15	1 59 09	1064·7		0·216	8·135	
				1·20	1 45 06			0·216	8·130	
				1·25	1 32 53			0·216	8·142	
				1·30	1 22 35			0·216	8·140	
		H 12	A 9	1·25	2 14 22	881·4		0·312	8·101	
				1·30	1 59 38			0·312	8·099	
				1·35	1 46 53			0·312	8·099	
				1·40	1 35 48			0·312	8·103	
		H 12	A 10	1·25	1 58 19	951·3		0·275	8·094	
				1·30	1 45 07			0·275	8·102	
				1·35	1 33 54			0·275	8·102	
				1·40	1 24 16			0·275	8·100	
Feb. 19.		H 11	D 5	1·25	2 06 58	1202·5	I.	0·293	8·132	
				1·30	1 55 02			0·293	8·126	
				1·35	1 46 50			0·293	8·131	
				1·40	1 30 20			0·293	8·134	
		H 11	A 7	1·30	2 09 08	861·0		0·336	8·101	
				1·35	1 55 13			0·336	8·107	
				1·40	1 43 20			0·336	8·107	
				1·45	1 32 58			0·336	8·110	
		H 11	A 8	1·15	1 59 23	1064·7		0·216	8·127	
				1·20	1 45 12			0·216	8·126	
				1·25	1 33 10			0·216	8·130	
				1·30	1 22 52			0·216	8·126	
		H 11	A 9	1·25	2 14 29	881·4		0·311	8·121	
				1·30	1 59 25			0·311	8·128	
				1·35	1 46 44			0·311	8·124	
				1·40	1 35 47			0·311	8·121	
		H 11	A 10	1·25	1 58 26	951·3		0·274	8·119	
				1·30	1 45 23			0·274	8·117	
				1·35	1 34 07			0·274	8·117	
				1·40	1 24 26			0·274	8·115	
Mar. 8.		H 12	D 5	1·25	2 06 50	1202·5	O.	0·293	8·134	
				1·30	1 52 44			0·293	8·137	
				1·35	1 40 41			0·293	8·137	
		H 12	A 7	1·30	2 08 50	861·0		0·336	8·112	
				1·35	1 55 09			0·336	8·111	
				1·40	1 43 20			0·336	8·108	
				1·45	1 32 59			0·334	8·111	
		H 12	A 8	1·15	1 58 48	1064·7		0·216	8·149	
				1·20	1 44 57			0·216	8·138	
				1·25	1 32 54			0·216	8·143	
				1·30	1 22 32			0·216	8·145	
		H 12	A 9	1·25	2 14 17	881·4		0·312	8·099	
				1·30	1 59 21			0·312	8·099	
				1·35	1 46 38			0·312	8·108	
				1·40	1 35 35			0·312	8·111	
		H 12	A 10	1·25	1 58 17	951·3		0·275	8·094	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1848.						seconds.				
Mar. 9.	Singapore.	H 12	A 10	1·30	1 45 10	951·3	O.	0·275	8·098	
				1·35	1 33 56			0·275	8·100	
				1·40	1 24 26			0·275	8·091	
Feb. 21.		H 11	D 5	1·25	2 07 20	1202·5	I.	0·294	8·118	
				1·30	1 53 08			0·294	8·121	
				1·35	1 41 01			0·294	8·121	
				1·40	1 30 52			0·294	8·108	
		H 11	A 7	1·30	2 09 12	861·0		0·336	8·098	
				1·35	1 55 23			0·336	8·100	
				1·40	1 43 32			0·336	8·100	
				1·45	1 33 16			0·336	8·095	
		H 11	A 8	1·15	1 59 41	1064·7		0·217	8·116	
				1·20	1 45 32			0·217	8·113	
				1·35	1 33 22			0·217	8·120	
				1·40	1 23 01			0·217	8·118	
		H 11	A 9	1·25	2 14 50	881·4		0·312	8·110	
				1·30	1 59 53			0·312	8·113	
				1·35	1 47 05			0·312	8·111	
				1·40	1 36 02			0·312	8·111	
		H 11	A 10	1·25	1 58 39	951·3	I.	0·274	8·111	
				1·30	1 45 29			0·274	8·113	
				1·35	1 34 12			0·274	8·113	
				1·40	1 24 31			0·274	8·111	
Mar. 10.		H 12	D 5	1·25	2 06 32	1202·5	O.	0·293	8·141	
				1·30	1 52 47			0·293	8·133	
				1·35	1 40 23			0·293	8·147	
				1·40	1 30 05			0·293	8·141	
		H 12	A 7	1·30	2 08 39	861·0		0·335	8·115	
				1·35	1 54 54			0·335	8·117	
				1·40	1 43 23			0·336	8·104	
				1·45	1 32 52			0·336	8·113	
		H 12	A 8	1·15	1 59 01	1064·7		0·216	8·139	
				1·20	1 44 49			0·216	8·140	
				1·25	1 32 48			0·216	8·145	
				1·30	1 22 25			0·216	8·148	
13.		H 12	A 9	1·25	2 14 12	881·4		0·312	8·107	
				1·30	1 59 17			0·312	8·111	
				1·35	1 46 39			0·312	8·108	
				1·40	1 35 41			0·312	8·108	
		H 12	A 10	1·25	1 57 54	951·3		0·274	8·108	
				1·30	1 44 50			0·274	8·112	
				1·35	1 33 40			0·274	8·112	
				1·40	1 24 01			0·274	8·106	
Feb. 22.		H 11	D 5	1·25	2 07 21	1202·5	I.	0·294	8·118	
				1·30	1 53 09			0 294	8·120	
				1·35	1 41 01			0·294	8·121	
				1·40	1 30 46			0·294	8·112	
		H 11	A 7	1·30	2 09 16	861·0		0·336	8·095	
				1·35	1 55 31			0·336	8·094	
				1·40	1 43 38			0·336	8·093	
				1·45	1 33 14			0·336	8·096	
		H 11	A 8	1·15	1 59 46	1064·7		0·217	8·113	
				1·20	1 45 25			0·217	8·117	
				1·25	1 33 23			0·217	8·119	
				1·30	1 23 00			0·217	8·114	
		H 11	A 9	1·25	2 15 00	881·4		0·312	8·106	
				1·30	2 00 08			0·312	8·103	
				1·35	1 47 20			0·312	8·108	
				1·40	1 36 16			0·312	8·101	
		H 11	A 10	1·25	1 58 47	951·3		0·274	8·107	
				1·30	1 45 37			0·274	8·108	
				1·35	1 34 19			0·274	8·109	
				1·40	1 24 41			0·274	8·104	
Mar. 14.		H 12	D 5	1·25	2 06 39	1202·5	O.	0·293	8·137	
				1·30	1 52 43			0·293	8·136	
				1·35	1 40 46			0·293	8·134	
				1·40	1 30 10			0·293	8·139	
		H 12	A 7	1·30	2 08 31	861·0		0·335	8·118	
				1·35	1 54 56			0·336	8·113	
				1·40	1 43 07			0·336	8·112	
1848.						seconds.				
Mar. 14.	Singapore.	H 12	A 7	1·45	1 32 41	861·0	O.	0·335	8·119	
		H 12	A 8	1·15	1 59 00	1064·7		0·216	8·139	
				1·20	1 44 38			0·216	8·147	
				1·25	1 32 44			0·216	8·148	
				1·30	1 22 28			0·216	8·145	
		H 12	A 9	1·25	2 14 03	881·4		0·312	8·110	
				1·30	1 59 11			0·312	8·112	
				1·35	1 46 27			0·311	8·114	
				1·40	1 35 28			0·311	8·115	
17.		H 12	A 10	1·25	1 58 13	951·3		0·275	8·096	
				1·30	1 45 04			0·275	8·102	
				1·35	1 33 34			0·274	8·116	
				1·40	1 24 08			0·274	8·106	
Feb. 23.		H 11	D 5	1·25	2 07 05	1202·5	I.	0·293	8·129	
				1·30	1 52 55			0·293	8·131	
				1·35	1 40 52			0·293	8·130	
				1·40	1 30 15			0·293	8·129	
		H 11	A 7	1·30	2 08 56	861·0		0·336	8·111	
				1·35	1 55 14			0·336	8·109	
				1·40	1 43 29			0·336	8·104	
				1·45	1 33 00			0·336	8·110	
24.		H 11	A 8	1·15	1 59 29	1064·7		0·216	8·126	
				1·20	1 45 22			0·217	8·122	
				1·25	1 33 18			0·216	8·126	
				1·30	1 22 48			0·216	8·132	
		H 11	A 9	1·25	2 15 01	881·4	I.	0·312	8·106	
				1·30	2 00 02			0·312	8·108	
				1·35	1 47 03			0·311	8·114	
				1·40	1 36 03			0·312	8·112	
		H 11	A 10	1·25	1 58 37	951·3		0·274	8·114	
				1·30	1 45 31			0·274	8·113	
				1·35	1 34 04			0·274	8·120	
				1·40	1 24 29			0·274	8·114	
Mar. 10.		H 12	D 5	1·25	2 06 38	1202·5	O.	0·293	8·137	
				1·30	1 52 33			0·293	8·140	
				1·35	1 40 34			0·293	8·138	
				1·40	1 30 08			0·293	8·140	
		H 12	A 7	1·30	2 09 01	861·0		0·336	8·101	
				1·35	1 55 22			0·336	8·097	
				1·40	1 43 20			0·336	8·102	
				1·45	1 32 56			0·336	8·107	
		H 12	A 8	1·15	1 58 55	1064·7		0·216	8·141	
				1·20	1 44 48			0·216	8·140	
				1·25	1 32 49			0·216	8·143	
				1·30	1 22 31			0·216	8·142	
		H 12	A 9	1·25	2 14 10	881·4		0·312	8·109	
				1·30	1 59 26			0·312	8·107	
				1·35	1 46 40			0·312	8·108	
				1·40	1 35 45			0·312	8·106	
		H 12	A 10	1·25	1 58 19	951·3		0·275	8·096	
				1·30	1 45 11			0·275	8·100	
				1·35	1 34 00			0·275	8·099	
				1·40	1 24 11			0·274	8·106	8·116
Nov. 16.		H 11	D 5	1·25	2 04 47	1215·9	I.	0·288	8·114	
				1·30	1 50 59			0·288	8·113	
				1·35	1 39 04			0·288	8·114	
				1·40	1 28 47			0·287	8·116	
17.		H 11	A 7	1·30	2 06 41	867·7		0·331	8·127	
				1·35	1 53 13			0·331	8·125	
				1·40	1 41 38			0·331	8·122	
				1·45	1 31 36			0·331	8·117	
		H 11	A 8	1·15	1 55 17	1085·3		0·208	8·098	
				1·20	1 41 31			0 208	8·099	
				1·25	1 29 57			0·208	8·097	
				1·30	1 19 54			0·208	8 103	
25.		H 11	A 9	1·25	2 13 14	886·7		0·308	8·109	
				1·30	1 58 17			0·308	8·116	
				1·35	1 45 46			0·308	8·111	
				1·40	1 34 52			0·308	8·110	
		H 11	A 10	1·25	1 57 20	956·8		0·271	8·104	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1848.					° ′ ″	seconds.				
Nov. 25.	Singapore.	H 11	A 10	1·30	1 44 19	956·8	I.	0·271	8·105	
				1·35	1 33 09			0·271	8·106	
				1·40	1 23 33			0·271	8·105	
16.		B.	D 5	1·05	3 29 31	1215·9	J.	0·287	8·121	
				1·10	3 02 16			0·287	8·122	
				1·15	2 39 26			0·287	8·125	
				1·20	2 20 33			0·287	8·120	
				1·25	2 04 06			0·287	8·129	
				1·30	1 50 26			0·287	8·126	
				1·35	1 38 41			0·287	8·123	
				1·40	1 28 29			0·287	8·123	
		B.	A 7	1·10	3 27 46	867·7		0·331	8·114	
				1·15	3 02 04			0·331	8·114	
				1·20	2 40 20			0·331	8·117	
				1·25	2 22 01			0·331	8·117	
				1·30	2 09 14			0·331	8·119	
				1·35	1 52 53			0·331	8·119	
				1·40	1 41 16			0·331	8·119	
				1·45	1 31 10			0·331	8·120	
		B.	A 8	0·95	3 22 50	1085·3		0·208	8·119	
				1·00	2 54 06			0·208	8·119	
				1·05	2 30 25			0·208	8·123	
				1·10	2 11 01			0 208	8·121	
				1·15	1 54 50			0·208	8·117	
				1·20	1 41 08			0 208	8·118	
				1·25	1 29 32			0·208	8·117	
				1·30	1 19 36			0·208	8·119	
		B.	A 9	1·05	3 43 46	886·7		0·309	8·088	
				1·10	3 14 55			0·309	8·088	
				1·15	2 50 46			0·309	8·088	
				1·20	2 30 15			0·308	8·092	
				1·25	2 13 07			0·309	8·077	
				1·30	1 58 19			0·309	8·083	
				1·35	1 45 45			0·309	8·083	
				1·40	1 34 52			0·309	8·084	
17.		B.	A 10	1·05	3 16 06	956·8		0·271	8·097	
				1·10	2 50 42			0·271	8·099	
				1·15	2 29 30			0·271	8·101	
				1·20	2 11 45			0·271	8·100	
				1·25	1 56 37			0·271	8·101	
				1·30	1 43 43	956·8		0·271	8·103	
				1·35	1 32 44			0·271	8·101	
				1·40	1 23 08			0·271	8·104	
		H 12	D 5	1·05	3 29 38	1215·9	O.	0·287	8·118	
				1·10	3 02 02			0·287	8·126	
				1·15	2 39 16			0·287	8·128	
				1·20	2 20 09			0·287	8·128	
				1·25	2 04 01			0·287	8·130	
				1·30	1 50 15			0·287	8·131	
				1·35	1 38 27			0·287	8·132	
				1·40	1 28 16			0·287	8·132	
		H 12	A 7	1·10	3 28 25	867·7		0·332	8·099	
				1·15	3 02 25			0·332	8·104	
				1·20	2 40 30			0·331	8·111	
				1·25	2 22 09			0·331	8·114	
				1·30	2 06 19			0·331	8·117	
				1·35	1 52 49			0·331	8·119	
				1·40	1 41 16			0·331	8·117	
				1·45	1 31 07			0·331	8·121	
18.		H 12	A 8	0·95	3 22 28	1085·3		0·207	8·125	
				1·00	2 53 42			0·207	8·128	
				1·05	2 30 05			0·207	8·131	
				1·10	2 10 45			0·207	8·128	
				1·15	1 54 28			0·207	8 129	
				1·20	1 40 38			0·207	8·137	
				1·25	1 29 08			0·207	8·135	
				1·30	1 19 04			0·207	8·137	
		H 12	A 9	1·05	3 43 58	886·7		0·309	8·084	
				1·10	3 14 48			0·309	8·089	
				1·15	2 50 40			0·309	8·089	
1848.					° ′ ″	seconds.				
Nov. 18.	Singapore.	H 12	A 9	1·20	2 30 07	886·7	O.	0·308	8·095	
				1·25	2 12 52			0·309	8·084	
				1·30	1 58 11			0·309	8·086	
				1·35	1 45 34			0·309	8·088	
				1·40	1 34 45			0·309	8·088	
		H 12	A 10	1·05	3 16 23	956·8		0·271	8·090	
				1·10	2 50 48			0·271	8·096	
				1·15	2 29 32			0·271	8·099	
				1·20	2 11 46			0·271	8·099	
				1·25	1 56 41			0·271	8·098	
				1·30	1 43 45			0·271	8·101	
				1·35	1 32 39			0·271	8·103	
				1·40	1 23 12			0·271	8·101	
Dec. 1.		H 11	D 5	1·25	2 04 44	1215·9	I.	0·287	8·117	
				1·30	1 50 53			0·287	8·117	
				1·35	1 38 59			0·288	8·118	
				1·40	1 28 38			0·287	8·124	
		H 11	A 7	1·30	2 07 00	867·7		0·331	8·121	
				1·35	1 53 26			0·331	8·122	
				1·40	1 41 48			0·332	8·120	
				1·45	1 31 41			0·331	8·118	
		H 11	A 8	1·15	1 55 02	1085·3		0·208	8·110	
				1·20	1 41 20			0·208	8·110	
				1·25	1 29 47			0·208	8·108	
				1·30	1 19 53			0·208	8·107	
2.		H 11	A 9	1·25	2 13 36	886·7		0·308	8·100	
				1·30	1 58 48			0·308	8·100	
				1·35	1 46 07			0·308	8·100	
				1·40	1 35 14			0·308	8·097	
		H 11	A 10	1·25	1 57 25	956·8		0·271	8·104	
				1·30	1 44 24			0·271	8·104	
				1·35	1 33 15			0·271	8·104	
				1·40	1 23 41			0·271	8·101	
1.		B.	D 5	1·05	3 29 07	1215·9	J.	0·287	8·131	
				1·10	3 01 59			0·287	8·130	
				1·15	2 39 08			0·287	8·135	
				1·20	2 20 12			0·287	8·132	
				1·25	2 04 02			0·287	8·133	
				1·30	1 50 14			0·287	8·135	
				1·35	1 38 28			0·287	8·135	
				1·40	1 28 30			0·287	8·125	
4.		B.	A 7	1·10	3 27 58	867·7		0·331	8·111	
				1·15	3 02 14			0·331	8·112	
				1·20	2 40 46			0·332	8·107	
				1·25	2 22 02			0·331	8·117	
				1·30	2 06 24			0·331	8·117	
				1·35	1 52 51			0·331	8·121	
				1·40	1 41 17			0 331	8·120	
				1·45	1 31 08			0·331	8·124	
10.		B.	A 8	0·95	3 22 22	1085·3		0·207	8·129	
				1·00	2 53 48			0·207	8·127	
				1·05	2 30 13			0·207	8·129	
				1·10	2 10 39			0·207	8·133	
				1·15	1 54 37			0·207	8·126	
				1·20	1 40 59			0·208	8·124	
				1·25	1 29 25			0·208	8·123	
				1·30	1 19 29			0·207	8·126	
4.		B.	A 9	1·05	3 43 01	886·7		0·308	8·101	
				1·10	3 14 09			0·308	8·102	
				1·15	2 50 05			0·308	8·102	
				1·20	2 29 43			0·308	8·106	
				1·25	2 12 33			0·308	8·093	
				1·30	1 57 54			0·308	8·095	
				1·35	1 45 24			0·308	8·095	
				1·40	1 34 35			0·308	8·094	
6.		B.	A 10	1·05	3 16 21	956·8		0·271	8·091	
				1·10	2 50 57			0·271	8·093	
				1·15	2 29 46			0·271	8·093	
				1·20	2 11 50			0·271	8·097	
				1·25	1 56 40			0·271	8·099	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1848.						seconds.				
Dec. 6.	Singapore.	B.	A 10	1·30	1° 43′ 52″	956·8	J.	0·271	8·097	
				1·35	1 32 52			0·271	8·094	
				1·40	1 23 10			0·271	8·101	
		H 12	D 5	1·05	3 29 19	1215·9	O.	0·287	8·124	
				1·10	3 02 01			0·287	8·127	
				1·15	2 39 05			0·287	8·133	
				1·20	2 20 03			0·287	8·133	
				1·25	2 03 53			0·287	8·135	
				1·30	1 50 11			0·287	8·134	
				1·35	1 38 23			0·287	8·134	
				1·40	1 28 10			0·287	8·137	
		H 12	A 7	1·10	3 28 27	867·7		0·332	8·100	
				1·15	3 02 36			0·332	8·106	
				1·20	2 40 30			0·331	8·112	
				1·25	2 22 05			0·331	8·114	
				1·30	2 06 25			0·331	8·115	
				1·35	1 52 58			0·331	8·115	
				1·40	1 41 18			0·331	8·117	
				1·45	1 31 08			0·331	8·122	
		H 12	A 8	0·95	3 22 25	1085·3		0·207	8·131	
				1·00	2 53 22			0·207	8·140	
				1·05	2 30 02			0·207	8·138	
				1·10	2 10 29			0·207	8·141	
				1·15	1 54 20			0·207	8·139	
				1·20	1 40 47			0·207	8·136	
				1·25	1 29 11			0·207	8·137	
				1·30	1 19 22			0·207	8·135	
7.		H 12	A 9	1·05	3 43 17	886·7		0·308	8·096	
				1·10	3 14 20			0·308	8·099	
				1·15	2 50 04			0·308	8·103	
				1·20	2 29 48			0·308	8·104	
				1·35	2 12 36			0·308	8·092	
				1·30	1 57 52			0·308	8·097	
				1·35	1 45 17			0·308	8·100	
				1·40	1 34 28			0·308	8·100	
		H 12	A 10	1·05	3 16 05	956·8		0·271	8·096	
				1·10	2 50 36			0·271	8·101	
				1·15	2 29 29			0·271	8·100	
				1·20	2 11 23			0·271	8·101	
				1·25	1 56 37			0·271	8·100	
				1·30	1 43 42			0·271	8·103	
				1·35	1 32 40			0·271	8·102	
				1·40	1 23 08			0·271	8·102	
21.		H 11	D 5	1·25	2 04 18	1215·5	I.	0·287	8·130	
				1·30	1 50 31			0·287	8·131	
				1·35	1 38 42			0·287	8·130	
				1·40	1 28 32			0·287	8·129	
		H 11	A 7	1·30	2 06 46	868·7		0·331	8·108	
				1·35	1 53 19			0·331	8·106	
				1·40	1 41 37			0·331	8·106	
				1·45	1 31 31			0·331	8·105	
		H 11	A 8	1·15	1 54 59	1085·4		0·208	8·110	
				1·20	1 41 22			0·208	8·110	
				1·25	1 29 43			0·208	8·110	
				1·30	1 19 46			0·208	8·111	
		H 11	A 9	1·25	2 13 34	886·8		0·308	8·100	
				1·30	1 58 40			0·308	8·104	
				1·35	1 46 10			0·309	8·098	
				1·40	1 35 11			0·308	8·098	
22.		H 11	A 10	1·25	1 57 13	957·7		0·271	8·102	
				1·30	1 44 14			0·271	8·102	
				1·35	1 33 06			0·271	8·102	
				1·40	1 23 31			0·271	8·101	
		B.	D 5	1·05	3 29 05	1215·5	J.	0·287	8·136	
				1·10	3 01 51			0·287	8·135	
				1·15	2 39 07			0·287	8·136	
				1·20	2 23 35			0·287	8·134	
				1·25	2 04 02			0·287	8·134	
				1·30	1 50 19			0·287	8·136	
				1·35	1 38 33			0·287	8·132	

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1848.						seconds.				
Dec. 22.	Singapore.	B.	D 5	1·40	1° 28′ 20″	1515·5	J.	0·287	8·133	
		B.	A 7	1·10	3 27 52	868·7		0·331	8·103	
				1·15	3 02 08			0·331	8·103	
				1·20	2 40 18			0·331	8·108	
				1·25	2 22 04			0·331	8·106	
				1·30	2 06 17			0·331	8·110	
				1·35	1 52 49			0·331	8·111	
				1·40	1 41 10			0·330	8·114	
				1·45	1 31 08			0 330	8·113	
		B.	A 8	0·95	3 22 43	1085·4		0·308	8·121	
				1·00	2 54 02			0·208	8·121	
				1·05	2 30 22			0·208	8·124	
				1·10	2 11 01			0·208	8·111	
				1·15	1 54 45			0·208	8·120	
				1·20	1 41 10			0·208	8·115	
				1·25	1 29 31			0·208	8·118	
				1·30	1 19 34			0·208	8·121	
23.		B.	A 9	1·05	3 42 48	886·8		0·308	8·104	
				1·10	3 13 55			0·308	8·106	
				1·15	2 49 55			0·308	8·105	
				1·20	2 29 34			0·308	8·109	
				1·25	2 12 27			0·308	8·095	
				1·30	1 57 47			0·308	8·099	
				1·35	1 45 14			0·308	8·100	
				1·40	1 34 32			0·308	8 096	
		B.	A 10	1·05	3 16 08	957·7		0·271	8·089	
				1·10	2 50 38			0·271	8·094	
				1·15	2 29 25			0·271	8·096	
				1·20	2 11 42			0·271	8·095	
				1·25	1 56 28			0·271	8·099	
				1·30	1 43 49			0·271	8·092	
				1·35	1 32 42			0·271	8·095	
				1·40	1 23 10			0·271	8·095	
13.		H 12	D 5	1·05	3 28 55	1214·9	O.	0·287	8·136	
				1·10	3 01 41			0·287	8·138	
				1·15	2 38 55			0·287	8·142	
				1·20	2 19 53			0·287	8·142	
				1·25	2 03 47			0·287	8·142	
				1·30	1 50 02			0·287	8·143	
				1·35	1 38 11			0·287	8·147	
				1·40	1 28 04			0·287	8·146	
22.		H 12	A 7	1·10	3 28 03	867·1		0·332	8·111	
				1·15	3 02 04			0·331	8·117	
				1·20	2 40 05			0·331	8·126	
				1·25	2 21 40			0·331	8·129	
				1·30	2 05 59			0·331	8·132	
				1·35	1 52 40			0·331	8·129	
				1·40	1 40 59			0·331	8·133	
				1·45	1 30 55			0·331	8·134	
		H 12	A 8	0·95	3 22 30	1084·3		0·208	8·132	
				1·00	2 53 38			0·208	8·136	
				1·05	2 29 53			0·208	8·144	
				1·10	2 10 39			0·288	8·138	
				1·15	1 54 25			0·208	8·138	
				1·20	1 40 41			0·208	8·142	
				1·25	1 29 11			0·208	8·141	
				1·30	1 19 17			0·208	8·141	
20.		H 12	A 9	1·05	3 43 20	884·5		0·309	8·112	
				1·10	3 14 26			0·309	8·113	
				1·15	2 50 08			0·309	8·118	
				1·20	2 29 46			0·309	8·121	
				1·25	2 12 31			0·309	8·111	
				1·30	1 57 54			0·309	8·112	
				1·35	1 45 26			0·309	8·110	
				1·40	1 34 28			0·309	8·116	
		H 12	A 10	1·05	3 16 45	955·7		0·272	8·094	
				1·10	2 51 13			0·272	8·098	
				1·15	2 29 48			0·272	8·104	
				1·20	2 11 59			0·271	8·104	
				1·25	1 56 53			0·271	8·103	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r', r'', &c.	Exp. of deflec. Angles. a, a', a'', &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1848.						seconds.				
Dec. 20.	Singapore.	H 12	A 10	1·30	1 43 46	955·7	O.	0·271	8·112	
				1·35	1 32 49			0·271	8·115	
				1·40	1 23 05			0·271	8·117	8·114
1846.										
Jan. 20.	Pulo Pee-sang.	H 11	D 5	1·25	2 18 01	1156·25	I.	0·319	8·099	
				1·30	2 02 40			0·319	8·101	
				1·35	1 49 32			0·319	8·102	
				1·40	1 38 12			0·319	8·103	
		H 11	D 6	1·25	2 13 14	1170·6		0·307	8·087	
				1·30	1 58 21			0·307	8·091	
				1·35	1 45 38			0·307	8·094	
				1·40	1 34 52			0·307	8·089	
		H 11	A 6	1·20	2 15 48	945·5		0·279	8·106	
				1·40	1 25 52			0·279	8·096	
		H 11	A 7	1·30	2 16 44	839·0		0·355	8·088	
				1·40	1 49 35			0·356	8·088	
		H 11	A 8	1·15	2 09 31	1027·3		0·234	8·109	
				1·40	1 12 01			0·234	8·107	
		H 11	A 9	1·30	2 08 02	856·1		0·332	8·082	
				1·40	1 42 38			0·332	8·078	
		H 11	A 10	1·25	2 16 08	891·6		0·314	8·074	
				1·40	1 37 01			0·314	8·074	8·092
29.	Carimon ...	H 11	D 5	1·25	2 18 47	1158·2		0·319	8·061	
				1·30	2 03 06			0·319	8·071	
				1·35	1 49 50			0·319	8·075	
				1·40	1 38 31			0·319	8·075	
		H 11	D 6	1·25	2 13 22	1170·0		0·307	8·080	
				1·30	1 58 45			0·308	8·075	
				1·35	1 46 02			0·308	8·076	
		H 11	A 6	1·20	2 15 30	947·6		0·278	8·097	
				1·40	1 25 23			0·278	8·101	
		H 11	A 7	1·30	2 16 30	839·7		0·355	8·086	
				1·40	1 49 20			0·355	8·088	
		H 11	A 10	1·25	2 16 21	891·6		0·315	8·054	
				1·40	1 37 10			0·315	8·054	
		H 11	A 9	1·30	2 04 07	868·2		0·322	8·081	
				1·40	1 39 33			0·323	8·076	8·077
Feb. 22.	Lingin	H 11	A 9	1·30	2 04 54	868·5		0·322	8·066	
				1·40	1 40 07			0·322	8·063	
		H 11	D 5	1·25	2 18 28	1159·7		0·318	8·064	
				1·30	2 03 17			0·318	8·059	
				1·35	1 50 00			0·318	8·064	
				1·40	1 38 22			0·318	8·075	
		H 11	D 6	1·25	2 13 51	1171		0·307	8·060	
				1·30	1 58 56			0·307	8·063	
				1·35	1 46 02			0·307	8·070	
				1·40	1 35 14			0·307	8·064	
		H 11	A 6	1·20	2 15 41	949·2		0·278	8·072	
				1·40	1 25 37			0·278	8·070	
		H 11	A 7	1·30	2 16 56	840·8		0·355	8·060	
				1·40	1 49 43			0·355	8·060	
		H 11	A 10	1·25	2 16 58	891·7		0·315	8·037	
				1·40	1 37 32			0·315	8·040	8·062
June 24.	Sarāwak ...	H 11	D 6	1·25	2 09 52	1169·3		0·303	8·192	
				1·30	1 55 14			0·302	8·211	
				1·35	1 42 56			0·303	8·201	
				1·40	1 32 20			0·303	8·201	
		H 11	D 5	1·25	2 14 39	1157·6		0·315	8·193	
				1·30	1 59 45			0·315	8·192	
				1·35	1 46 50			0·314	8·197	
				1·40	1 35 54			0·315	8·193	
		H 11	A 6	1·40	1 23 05	949·7		0·273	8·196	
		H 11	A 7	1·30	2 13 45	838·2		0·352	8·190	
				1·40	1 47 10			0·352	8·190	
30.		H 11	A 8	1·15	2 07 04	1026·9		0·232	8·183	
				1·40	1 10 34			0·232	8·187	
July 3.		H 11	A 9	1·30	2 02 11	888·9		0·320	8·180	
		H 11		1·40	1 37 55			0·320	8·178	
		H 11	D 5	1·25	2 15 07	1158·6		0·315	8·180	
				1·30	1 59 56			0·314	8·187	

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r', r'', &c.	Exp. of deflec. Angles. a, a', a'', &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1846.						seconds.				
July 3.	Sarāwak ...	H 11	D 5	1·35	1 47 08	1158·6	I.	0·314	8·186	
				1·40	1 36 02			0·314	8·189	
		H 11	D 6	1·25	2 09 45	1171·5		0·302	8·192	
				1·30	1 55 23			0·302	8·192	
				1·35	1 42 59			0·302	8·192	
				1·40	1 32 21			0·302	8·195	
		H 11	A 6	1·20	2 11 53	949·7		0·273	8·198	
				1·40	1 23 09			0·273	8·200	
		H 11	A 7	1·30	2 13 40	839·1		0·351	8·197	
		H 11	A 10	1·25	2 13 14	890·1		0·311	8·172	
				1·40	1 34 56			0·311	8·173	
		H 11	A 9	1·30	2 02 25	865·6		0·320	8·174	
				1·35	1 49 26			0·320	8·171	
				1·40	1 38 05			0·320	8·173	
				1·45	1 28 18			0·320	8·174	
		H 11	A 6	1·20	2 11 59	949·7		0·273	8·189	
				1·25	1 56 53			0·273	8·187	
				1·40	1 23 46			0·274	8·161	
				1·45	1 14 59			0·273	8·187	
		H 11	A 7	1·30	2 13 50	839·1		0·352	8·175	
				1·35	1 59 35			0·352	8·174	
				1·40	1 47 11			0·352	8·177	
				1·45	1 36 35			0·352	8·171	
		H 11	A 8	1·15	2 06 31	1028·0		0·231	8·193	
				1·40	1 10 19			0·231	8·193	
				1·45	1 03 27			0·232	8·184	8·186
Sept. 17.	Batavia ...	H 11	D 5	1·25	2 18 44	1182·2		0·313	7·896	
				1·30	2 03 18			0·313	7·898	
				1·35	1 50 08			0·313	7·898	
				1·40	1 39 28			0·314	7·870	
		H 11	D 6	1·25	2 13 09	1197·4		0·300	7·900	
				1·30	1 58 18			0·300	7·904	
				1·35	1 45 28			0·300	7·901	
				1·40	1 34 34			0·300	7·902	
		H 11	A 6	1·20	2 15 51	968·9		0·272	7·907	
				1·25	2 00 18			0·272	7·903	
				1·30	1 46 56			0·272	7·908	
				1·40	1 35 25			0·272	7·912	
		H 11	A 7	1·30	2 17 23	856·5		0·350	7·900	
				1·35	2 02 44			0·350	7·900	
				1·40	1 50 12			0·350	7·895	
				1·45	1 39 05			0·350	7·901	
		H 11	A 10	1·25	2 18 04	907·1		0·311	7·881	
				1·30	2 02 38			0·311	7·886	
				1·35	1 49 37			0·311	7·884	
				1·40	1 38 24			0·311	7·881	
		H 11	A 9	1·30	2 05 17	884·5		0·318	7·895	
				1·35	1 52 11			0·318	7·885	
				1·40	1 40 47			0·319	7·878	
				1·45	1 30 40			0·318	7·880	
		H 12	D 5	1·25	2 18 56	1182·2		0·312	7·922	
				1·30	2 03 26			0·312	7·924	
		H 11	D 5	1·35	1 50 17			0·312	7·922	
				1·40	1 38 54			0·312	7·922	
23.			D 6	1·25	2 13 26	1197·4		0·300	7·913	
				1·30	1 58 30			0·300	7·909	
				1·35	1 45 49			0·300	7·909	
				1·40	1 34 51			0·300	7·910	
Nov. 10.		H 11	D 5	1·25	2 18 08	1186·7		0·310	7·885	
				1·30	2 02 46			0·310	7·890	
				1·35	1 49 37			0·310	7·888	
				1·40	1 38 14			0·310	7·892	
		H 11	D 6	1·25	2 12 55	1200·9		0·298	7·887	
				1·30	1 58 10			0·298	7·889	
				1·35	1 45 30			0·298	7·889	
				1·40	1 34 29			0·298	7·895	
		H 11	A 7	1·30	2 16 53	859·6		0·347	7·878	
				1·35	2 02 24			0·347	7·875	
				1·40	1 49 48			0·347	7·874	
				1·45	1 38 55			0·347	7·871	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Disc. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1846.						seconds.				
Nov. 10.	Batavia ...	H 11	A 8	1·15	2° 09′ 39″	1049·5	I.	0·229	7·915	
				1·20	1 54 05			0·229	7·920	
				1·25	1 41 03			0·229	7·918	
				1·30	1 29 44			0·229	7·925	
		H 11	A 10	1·25	2 17 36	908·3		0·310	7·871	
				1·30	2 02 28			0·310	7·868	
				1·35	1 49 20			0·310	7·871	
				1·40	1 38 02			0·310	7·872	
		H 11	A 9	1·30	2 05 57	882·7		0·319	7·891	
				1·35	1 52 13			0·319	7·901	
				1·40	1 40 52			0·319	7·892	
				1·45	1 30 49			0·319	7·891	
1847.										
July 3.		H 11	D 5	1·25	2 12 43	1209·6		0·298	7·899	
				1·30	1 57 56			0·298	7·901	
				1·35	1 45 22			0·298	7·899	
				1·40	1 34 29			0·298	7·899	
		H 11	D 6	1·25	2 07 07	1223·7		0·286	7·920	
				1·30	1 53 12			0·286	7·914	
				1·35	1 41 08			0·286	7·912	
				1·40	1 30 46			0·286	7·908	
		H 11	A 7	1·30	2 13 46	867·6		0·339	7·900	
				1·35	1 59 34			0·340	7·898	
				1·40	1 47 14			0·340	7·898	
				1·45	1 36 35			0·340	7·896	
		H 11	A 8	1·15	2 06 13	1066·0		0·222	7·894	
				1·20	1 51 04			0·222	7·894	
				1·25	1 38 22			0·222	7·892	
				1·30	1 27 29			0·222	7·894	
		H 11	A 9	1·30	2 03 56	890·9		0·314	7·906	
				1·35	1 50 43			0·314	7·905	
				1·40	1 39 15			0·314	7·907	
				1·45	1 29 23			0·314	7·905	
4.		H 11	D 5	1·25	2 12 44	1209·6		0·298	7·899	
				1·30	1 57 56			0·298	7·901	
				1·35	1 45 19			0·298	7·901	
				1·40	1 34 26			0·298	7·901	
		H 11	D 6	1·25	2 07 33	1223·7		0·286	7·907	
				1·30	1 53 23			0·286	7·908	
				1·35	1 41 10			0·286	7·911	
				1·40	1 30 41			0·286	7·912	
		H 11	A 7	1·30	2 13 56	867·6		0·340	7·896	
				1·35	2 59 37			0·340	7·897	
				1·40	1 47 15			0·340	7·898	
				1·45	1 36 38			0·340	7·895	
		H 11	A 8	1·15	2 06 22	1066·0		0·223	7·885	
				1·20	1 51 13			0·222	7·889	
				1·25	1 38 30			0·222	7·887	
				1·30	1 27 31			0·222	7·893	
		H 11	A 9	1·30	2 04 06	890·9		0·314	7·901	
				1·35	1 50 50			0·314	7·902	
				1·40	1 39 26			0·314	7·901	
				1·45	1 29 32			0·314	7·899	
6.		H 11	D 5	1·25	2 12 33	1209·6		0·298	7·904	
				1·30	1 57 48			0·298	7·905	
				1·35	1 45 11			0·298	7·906	
				1·40	1 34 15			0·298	7·909	
		H 11	D 6	1·25	2 07 19	1223·7		0·286	7·914	
				1·30	1 53 13			0·286	7·913	
				1·35	1 41 02			0·286	7·916	
				1·40	1 30 34			0·286	7·917	
		H 11	A 7	1·30	2 13 37	867·6		0·339	7·904	
				1·35	1 59 26			0·339	7·903	
				1·40	1 47 06			0·339	7·903	
				1·45	1 36 26			0·339	7·903	
		H 11	A 8	1·15	2 06 05	1066·0		0·222	7·894	
				1·20	1 50 54			0·222	7·901	
				1·25	1 38 21			0·222	7·894	
				1·30	1 27 28			0·222	7·896	
		H 11	A 9	1·30	2 03 58	890·9		0·314	7·906	
1847.										
July 6.	Batavia ...	H 11	A 9	1·35	1° 50′ 39″	890·9	I.	0·314	7·908	
				1·40	1 39 20			9·314	7·904	
				1·45	1 29 26			0·314	7·903	
		H 11	D 5	1·25	2 12 41	1209·6		0·298	7·901	
				1·30	1 57 53			0·298	7·900	
				1·40	1 34 25			0·298	7·902	
		H 11	D 6	1·25	2 07 21	1223·7		0·286	7·913	
				1·30	1 52 13			0·286	7·914	
				1·35	1 41 06			0·286	7·914	
				1·40	1 30 42			0·286	7·911	
		H 11	A 7	1·30	2 13 50	867·6		0·340	7·899	
				1·35	1 59 38			0·340	7·897	
				1·40	1 47 18			0·340	7·897	
				1·45	1 36 33			0·340	7·899	
9.		H 11	A 8	1·15	2 06 15	1066·0		0·222	7·888	
				1·20	1 51 05			0·222	7·893	
				1·25	1 38 28			0·222	7·889	
				1·30	1 27 35			0·222	7·890	
		H 11	A 9	1·30	2 04 31	890·9		0·315	7·889	
				1·35	1 50 49			0·314	7·902	
				1·40	1 39 24			0·314	7·901	
				1·45	1 29 31			0·314	7·899	
10.		H 11	D 5	1·25	2 13 13	1209·6		0·298	7·886	
				1·30	1 58 26			0·298	7·886	
				1·35	1 45 41			0·298	7·889	
				1·40	1 34 50			0·298	7·886	
		H 11	D 6	1·25	2 07 50	1223·7		0·287	7·898	
				1·30	1 53 50			0·287	7·892	
				1·35	1 41 37			0·287	7·894	
				1·40	1 31 03			0·287	7·896	
		H 11	A 7	1·30	2 14 16	867·6		0·340	7·886	
				1·35	1 59 55			0·340	7·887	
				1·40	1 47 40			0·340	7·883	
				1·45	1 36 49			0·340	7·888	
		H 11	A 8	1·15	2 06 29	1066·0		0 222	7·881	
				1·20	1 51 53			0·222	7·883	
				1·25	1 38 40			0·222	7·886	
				1·30	1 27 34			0·222	7·891	
		H 11	A 9	1·25	2 20 00	890·9		0·315	7·889	
				1·30	2 04 25			0·315	7·891	
				1·35	1 51 04			0·314	7·893	
				1·40	1 39 39			0·315	7·891	
Aug. 3.		H 11	D 5	1·25	2 12 54	1209·6		0·298	7·893	
				1·30	1 58 11			0·298	7·893	
				1·35	1 45 26			0·298	7·897	
				1·40	1 34 32			0·298	7·897	
		H 11	D 6	1·25	2 07 27	1223·7		0·286	7·909	
				1·30	1 53 15			0·286	7·919	
				1·35	1 41 11			0·286	7·909	
				1·40	1 30 43			0·286	7·909	
		H 11	A 7	1·30	2 14 17	867·6		0·340	7·883	
				1·35	1 59 52			0·340	7·886	
				1·40	1 47 22			0·340	7·891	
				1·45	1 36 40			0·340	7·891	
		H 11	A 8	1·15	2 05 37	1066·0		0·222	7·907	
				1·20	1 53 38			0·222	7·908	
				1·25	1 37 56			0·221	7·913	
				1·30	1 27 10			0·222	7·907	
		H 11	A 9	1·25	2 19 29	890·9		0·314	7·901	
				1·30	2 03 59			0·314	7·903	
				1·35	1 50 41			0·314	7·906	
				1·40	1 39 18			0·314	7·904	
		H 11	A 10	1·25	2 02 08	963·7		0·275	7·877	
				1·30	1 48 34			0·275	7·879	
				1·35	1 36 58			0·275	7·880	
				1·40	1 26 55			0·275	7·883	
4.		H 11	D 5	1·25	2 12 48	1209·6		0·298	7·896	
				1·30	1 58 04			0·298	7·896	
				1·35	1 45 24			0·298	7·897	
				1·40	1 34 42			0·298	7·889	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1847.						seconds.				
Aug. 4.	Batavia.	H 11	D 6	1·25	2° 07′ 19″	1223·7	I.	0·286	7·913	
				1·30	1 53 12			0·286	7·913	
				1·35	1 41 00			0·286	7·917	
				1·40	1 30 37			0·286	7·914	
		H 11	A 7	1·30	2 13 41	867·6		0·340	7·901	
				1·35	1 59 24			0·339	7·902	
				1·40	1 47 13			0·340	7·897	
				1·45	1 36 33			0·340	7·896	
		H 11	A 8	1·15	2 05 13	1066·0		0·221	7·915	
				1·20	1 50 32			0·221	7·913	
				1·25	1 37 48			0·221	7·920	
				1·30	1 26 59			0·221	7·916	
		H 11	A 9	1·25	2 19 28	890·9		0·314	7·902	
				1·30	2 03 52			0·314	7·907	
				1·35	1 50 39			0·314	7·907	
				1·40	1 39 10			0·314	7·909	
		H 11	A 10	1·25	2 01 56	463·7		0·275	7·883	
				1·30	1 48 30			0·275	7·881	
				1·35	1 36 38			0·274	7·893	
				1·40	1 26 57			0·275	7·881	
6.		H 11	D 5	1·25	2 13 00	1209·6		0·298	7·890	
				1·30	1 58 09			0·298	7·893	
				1·35	1 45 31			0·298	7·891	
				1·40	1 34 37			0·298	7·893	
		H 11	D 6	1·25	2 07 34	1223·7		0·287	7·905	
				1·30	1 53 22			0·286	7·907	
				1·35	1 41 19			0·287	7·904	
				1·40	1 30 45			0·286	7·908	
		H 11	A 7	1·30	2 14 05	867·6		0·340	7·889	
				1·35	1 59 40			0·340	7·894	
				1·40	1 47 19			0·340	7·894	
				1·45	1 36 38			0·340	7·894	
		H 11	A 8	1·15	2 05 44	1066·0		0·222	7·904	
				1·20	1 50 44			0·222	7·905	
				1·25	1 38 05			0·222	7·908	
				1·30	1 27 11			0·222	7·907	
		H 11	A 9	1·25	2 19 51	390·9		0·315	7·891	
				1·30	2 04 19			0·314	7·893	
				1·35	1 51 06			0·315	7·891	
				1·40	1 39 37			0·315	7·892	
		H 11	A 10	1·25	2 02 26	963·7		0·275	7·868	
				1·30	1 48 53			0·275	7·868	
				1·35	1 37 13			0·275	7·871	
				1·40	1 27 10			0 275	7·872	
7.		H 11	D 5	1·25	2 13 04	1209·6		0·298	7·889	
				1·35	1 58 08			0·298	7·894	
				1·40	1 45 32			0·298	7·893	
				1·45	1 34 43			0·298	7·889	
		H 11	D 6	1·25	2 07 47	1223·7		0·287	7·900	
				1·30	1 53 29			0·287	7·904	
				1·35	1 41 25			0·287	7·901	
				1·40	1 30 57			0·287	7·900	
		H 11	A 7	1·30	2 14 08	867·6		0·340	7·890	
				1·35	1 59 47			0·340	7·892	
				1·40	1 47 38			0·340	7·885	
				1·45	1 36 54			0·340	7·885	
		H 11	A 8	1·15	2 05 44	1066·0		0·222	7·905	
				1·20	1 50 40			0·222	7·909	
				1·25	1 38 06			0·222	7·909	
				1·30	1 27 07			0·222	7·912	
		H 11	A 9	1·25	2 19 53	890·9		0·315	7·892	
				1·30	2 04 27			0·315	7·891	
				1·35	1 51 08			0·315	7·890	
				1·40	1 39 37			0·314	7·893	
		H 11	A 10	1·25	2 02 08	963·7		0·275	7·878	
				1·30	1 48 28			0·275	7·884	
				1·35	1 37 02			0·275	7·878	
				1·40	1 26 58			0·275	7·881	
8.		H 11	D 5	1·25	2 12 46	1209·6		0·298	7·898	
				1·30	1 57 54			0·298	7·903	
1847.						seconds.				
Aug. 8.	Batavia ...	H 11	D 5	1·35	1° 45′ 26″	1209·6	I.	0·298	7·897	
				1·40	1 34 41			0·298	7·898	
		H 11	D 6	1·25	2 07 37	1223·7		0·287	7·905	
				1·30	1 53 24			0·287	7·907	
				1·35	1 41 18			0·287	7·906	
				1·40	1 30 48			0·286	7·907	
		H 11	A 7	1·30	2 13 56	867·6		0·340	7·895	
				1·35	1 59 39			0·340	7·898	
				1·40	1 47 22			0·340	7·893	
				1·45	1 30 40			0·340	7·902	
		H 11	A 8	1·15	2 05 44	1066·0		0·222	7·904	
				1·20	1 50 42			0·222	7·907	
				1·25	1 37 58			0·221	7·913	
				1·30	1 27 03			0·221	7·914	
		H 11	A 9	1·30	2 03 56	890·9		0·314	7·905	
				1·35	1 50 43			0·314	7·904	
				1·40	1 39 24			0·314	7·900	
		H 11	A 10	1·25	2 02 06	963·7		0·275	7·892	
				1·30	1 48 41			0·275	7·887	
				1·35	1 36 57			0·275	7·892	
				1·40	1 27 07			0·275	7·884	7·897
17.	Lampongs, Sumatra.	H 11	D 5	1·25	2 12 09	1209·1		0·297	7·916	
				1·30	1 57 28			0·297	7·916	
				1·35	1 44 52			0·297	7·917	
				1·40	1 34 08			0·297	7·913	
		H 11	D 6	1·25	2 07 20	1221·7		0·287	7·922	
				1·30	1 53 10			0·287	7·924	
				1·35	1 41 07			0·287	7·921	
				1·40	1 30 41			0·287	7·920	
		H 11	A 7	1·30	2 13 22	867·6		0·339	7·909	
				1·35	1 59 11			0·339	7·908	
				1·40	1 46 50			0·339	7·910	
				1·45	1 36 16			0·339	7·907	
		H 11	A 8	1·15	2 04 36	1067·8		0·220	7·921	
				1·20	1 50 05			0·220	7·909	
				1·25	1 37 28			0·220	7·914	
				1·30	1 26 38			0·220	7·913	
		H 11	A 9	1·25	2 18 58	888·5		0·314	7·936	
				1·30	2 03 35			0·314	7·931	
				1·35	1 50 23			0·314	7·931	
				1·40	1 38 52			0·314	7·936	
		H 11	A 10	1·25	2 01 51	962·7		0·274	7·903	
				1·30	1 48 20			0·274	7·905	
				1·35	1 36 49			0·274	7·902	
				1·40	1 26 52			0·274	7·900	7·916
Sept. 22.	Pulo Bay, near Bencoolen.	H 11	D 5	1·25	2 12 02	1210		0·297	7·916	
				1·30	1 57 19			0·297	7·918	
				1·35	1 44 45			0·297	7·918	
				1·40	1 33 56			0·297	7·918	
		H 11	D 6	1·25	2 07 11	1222·9		0·286	7·923	
				1·30	1 52 59			0·286	7·926	
				1·35	1 40 57			0·286	7·924	
				1·40	1 30 31			0·286	7·924	
		H 11	A 7	1·30	2 13 21	868·7		0·339	7·903	
				1·35	1 58 51			0·338	7·918	
				1·40	1 46 43			0·338	7·908	
				1·45	1 36 03			0·338	7·909	
		H 11	A 8	1·15	2 04 34	1069·3		0·220	7·914	
				1·20	1 49 39			0·220	7·918	
				1·25	1 37 19			0·220	7·912	
				1·30	1 26 20			0·220	7·919	
		H 11	A 9	1·25	2 18 43	892·3		0·313	7·909	
				1·30	2 03 13			0·312	7·914	
				1·35	1 50 07			0·312	7·912	
				1·40	1 38 41			0·312	7·912	
		H 11	A 10	1·25	2 01 30	964·2		0·274	7·905	
				1·30	1 48 13			0·274	7·899	
				1·35	1 36 34			0·274	7·902	
				1·40	1 26 40			0·274	7·899	7·913
Oct. 16.	Padang ...	H 11	D 5	1·25	2 10 59	1207·5		0·296	7·960	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1847.					° ′ ″	seconds.				
Oct. 16.	Padang, Sumatra.	H 11	D 5	1·30	1 56 27	1207·5	I.	0·296	7·960	
				1·35	1 44 02			0·297	7·958	
				1·40	1 33 16			0·297	7·959	
		H 11	D 6	1·25	2 06 14	1223·5		0·285	7·946	
				1·30	1 52 14			0·285	7·946	
				1·35	1 40 14			0·285	7·945	
				1·40	1 29 52			0·285	7·945	
		H 11	A 7	1·30	2 12 39	864·8		0·339	7·955	
				1·35	1 58 39			0·339	7·950	
				1·40	1 46 11			0·339	7·959	
				1·45	1 35 46			0·339	7·952	
		H 11	A 8	1·15	2 03 24	1069·7		0·219	7 946	
				1·20	1 48 35			0·219	7·951	
				1·25	1 36 10			0·219	7·954	
				1·30	1 25 35			0·219	7·958	
		H 11	A 9	1·25	2 16 59	888·4		0·312	7·990	
				1·30	2 01 49			0·312	7·990	
				1·35	1 48 56			0·312	7·985	
				1·40	1 37 38			0·312	7·987	
		H 11	A 10	1·25	2 00 34	959·2		0·274	7·975	
				1·30	1 47 05			0·274	7·980	
				1·35	1 35 42			0·274	7·978	
				1·40	1 25 52			0·274	7·975	7·962
1848.										
Mar. 28.	Mount Ophir, near Malacca.	H 11	D 5	1·25	2 04 29	1194·3		0·292	8·273	
				1·30	1 50 37			0·292	8·275	
				1·35	1 38 48			0·292	8·274	
				1·40	1 28 31			0·292	8·278	
		H 11	A 7	1·25	2 06 54	856·7		0·334	8·217	
				1·30	1 53 23			0·334	8·217	
				1·35	1 41 35			0·334	8·221	
				1·40	1 31 31			0·334	8·218	
		H 11	A 8	1·15	1 57 23	1056·3		0·216	8·274	
				1·20	1 43 20			0·216	8·277	
				1·25	1 31 26			0·216	8·285	
				1·30	1 21 23			0·216	8·286	
		H 11	A 9	1·25	2 13 05	874·2		0·312	8·230	
				1·30	1 58 08			0·311	8·237	
				1·35	1 45 34			0·311	8·235	
				1·40	1 34 40			0·311	8·235	
		H 11	A 10	1·25	1 56 44	940·5		0·275	8·270	
				1·30	1 43 41			0·275	8·275	
				1·35	1 33 01			0·275	8·257	
				1·40	1 23 16			0·275	8·264	8·255
May 8.	Pulo Labooan.	H 11	D 5	1·25	2 04 28	1197·5		0·292	8·247	
				1·30	1 50 40			0·292	8·247	
				1·35	1 38 49			0·292	8·247	
				1·40	1 28 38			0·292	8·246	
		H 11	A 7	1·30	2 06 05	857·7		0·334	8·236	
				1·35	1 52 38			0·334	8·232	
				1·40	1 41 03			0·334	8·235	
				1·45	1 30 59			0·334	8·235	
		H 11	A 8	1·15	1 54 41	1071·3		0·211	8·246	
				1·20	1 41 00			0·211	8·248	
				1·25	1 29 28			0·211	8·251	
				1·30	1 19 26			0·211	8·254	
		H 11	A 9	1·25	2 11 52	878·3		0·310	8·232	
				1·30	1 57 14			0·310	8·234	
				1·35	1 44 42			0·310	8·234	
				1·40	1 33 56			0·310	8·232	
		H 11	A 10	1·25	1 55 49	947·7		0·272	8·242	
				1·30	1 42 56			0·272	8·244	
				1·35	1 32 10			0·272	8·234	
				1·40	1 22 46			0·273	8·228	8·240
29.	Samboo-anga, Island of Mindanão.	H 11	D 5	1·25	2 05 56	1207·7		0·291	8·130	
				1·30	1 51 52			0·291	8·133	
				1·35	1 39 52			0·291	8·135	
				1·40	1 29 34			0·291	8·134	
		H 11	A 7	1·30	2 07 26	863·7		0·333	8·131	
				1·35	1 53 55			0·333	8·129	
1848.										
May 29.	Samboo-anga, Island of Mindanão.	H 11	A 7	1·40	1 40 09	863·7	I.	0·333	8·129	
				1·45	1 31 59			0·333	8·129	
		H 11	A 8	1·15	1 55 54	1078·0		0·211	8·149	
				1·20	1 42 04			0·211	8·150	
				1·25	1 30 22			0·210	8·155	
				1·30	1 20 16			0·210	8·157	
		H 11	A 9	1·25	2 13 40	881·6		0·310	8·146	
				1·30	1 58 56			0·310	8·144	
				1·35	1 46 13			0·310	8·144	
				1·40	1 35 17			0·210	8·143	
		H 11	A 10	1·25	1 57 29	952		0·273	8·147	
				1·30	1 44 29			0·273	8·147	
				1·35	1 33 28			0·273	8·141	
				1·40	1 23 43			0·273	8·145	
30.		B.	D 5	1·25	2 04 34	1207·7	J.	0·289	8·167	
				1·30	1 50 27			0·289	8·177	
				1·35	1 38 58			0·290	8·166	
				1·40	1 28 41			0·289	8·168	
			A 7	1·30	2 06 45	863·7		0·332	8·157	
				1·35	1 52 57			0·331	8·166	
				1·40	1 41 40			0·332	8·153	
				1·45	1 31 34			0·322	8·153	
			A 8	0·95	3 23 38	1078·0		0·210	8·176	
				1·00	2 54 52			0·210	8·175	
				1·05	2 31 04			0·210	8·170	
				1·10	2 11 33			0·210	8·179	
				1·15	1 55 13			0·210	8·177	
				1·20	1 41 31			0·210	8·176	
				1·25	1 29 53			0·210	8·175	
				1·30	1 19 55			0·210	8·176	
			A 7	1·10	3 28 19	863·7		0·331	8·169	
				1·15	3 02 33			0·331	8·165	
				1·20	2 40 44			0·331	8·165	
				1·25	2 22 18			0·332	8·165	
			D 5	1·05	3 29 52	1207·7		0·289	8·167	
				1·10	3 02 30			0·289	8·170	
				1·15	2 39 47			0·289	8·170	
				1·20	2 20 37			0·289	8·174	
			A 9	1·05	3 41 45	881·60		0·309	8·174	
				1·10	3 13 05			0·309	8·175	
				1·15	2 49 04			0·309	8·177	
				1·20	2 28 48			0·309	8·181	
			A 9	1·25	2 11 43			0·309	8·181	
				1·30	1 57 06			0·309	8·185	
				1·35	1 44 44			0·309	8·181	
				1·40	1 34 07			0·309	8·174	
			A 10	1·05	3 14 34	952		0·272	8·174	
				1·10	2 49 24			0·272	8·176	
				1·15	2 28 25			0·272	8·176	
				1·20	2 10 43			0·272	8·178	
				1·25	1 55 52			0·272	8·173	
				1·30	1 42 45			0·271	8·187	
				1·35	1 32 02			0·272	8·177	
				1·40	1 22 37			0·272	8·175	8·162
June 21.	Keemah, Island of Celebes.	H 11	D 5	1·25	2 03 29	1199·5		0·290	8·263	
				1·30	1 49 43			0·290	8·266	
				1·35	1 38 01			0·290	8·264	
				1·40	1 27 50			0·290	8·266	
		B.	D 5	1·05	3 28 13			0·290	8·254	
				1·10	3 01 08			0·290	8·255	
				1·15	2 38 25			0·290	8·260	
				1·20	2 19 42			0·290	8 252	
				1·25	2 03 40			0·290	8·250	
				1·30	1 49 50			0·290	8·255	
				1·35	1 38 10			0·290	8·252	
				1·40	1 28 00			0·290	8·253	
		H 11	A 7	1·30	2 05 35	857·7	I.	0·333	8·249	
				1·35	1 52 08			0·333	8·252	
				1·40	1 40 42			0·333	8·246	
				1·45	1 30 35			0·333	8·250	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1848.						seconds.				
June 21.	Keemah, Island of Celebes.	H 11	A 7	1·10	3° 26′ 01″	857·7	J.	0·333	8·257	
				1·15	3 00 27			0·332	8·258	
				1·20	2 38 27			0·332	8·270	
				1·25	2 20 42			0·333	8·258	
				1·30	2 05 07			0·332	8·258	
				1·35	1 51 38			0·332	8·259	
				1·40	1 40 28			0·332	8·245	
				1·45	1 30 22			0·332	8·250	
22.		H 11	A 8	0·95	3 20 34	1076·4		0 210	8·282	
				1·00	2 52 15			0·210	8·281	
				1·05	2 28 49			0·210	8·285	
				1·10	2 09 36			0·210	8·283	
				1·15	1 53 32			0·210	8·282	
				1·20	1 40 00			0·210	8·281	
				1·25	1 28 29			0·210	8·283	
				1·30	1 18 43			0·210	8·282	
		H 11	A 9	1·05	3 41 04	876·1		0·311	8·236	
				1·10	3 12 32			0·311	8·236	
				1·15	2 48 41			0·311	8·236	
				1·20	2 28 25			0·310	8·242	
				1·25	2 11 33			0·311	8·236	
				1·30	1 56 53			0·310	8·243	
				1·35	1 44 28			0·310	8·241	
				1·40	1 33 40			0·310	8·240	
		H 11	A 10	1·05	3 14 40	946·3		0·274	8 218	
				1·10	2 49 26			0·273	8·221	
				1·15	2 28 29			0·273	8·221	
				1·20	2 10 41			0·273	8·225	
				1·25	1 55 44			0·273	8·224	
				1·30	1 43 01			0·273	8·222	
				1·35	1 31 57			0·273	8·227	
				1·40	1 22 32			0·273	8·225	
		H 11	A 8	1·15	1 53 45	1071·4	I.	0·210	8·269	
				1·20	1 40 10			0·210	8·271	
				1·25	1 28 40			0·210	8·273	
				1·30	1 19 08			0·210	8·259	
		H 11	A 9	1·25	2 11 55	876·1		0·310	8·251	
				1·30	1 57 20			0·310	8·250	
				1·35	1 44 49			0·310	8·250	
				1·40	1 34 02			0·310	8·248	
		H 11	A 10	1·25	1 55 27	946·3		0·272	8·265	
				1·30	1 42 42			0·272	8·264	
				1·35	1 31 40			0·272	8·267	
				1·40	1 22 26			0·272	8·255	8·253
Aug. 29.	Cocos or Keeling Islands.	H 11	D 5	1·25	2 19 22	1279·1		0·289	7·293	
				1·30	2 03 48			0·289	7·296	
				1·35	1 50 34			0·289	7·295	
				1·40	1 39 16			0·289	7·291	
		H 11	A 7	1·30	2 21 55	914·0		0·332	7·276	
				1·35	2 06 45			0·332	7·277	
				1·40	1 53 43			0·332	7·276	
				1·45	1 42 25			0·332	7·275	
		H 11	A 8	1·15	2 09 16	1141·8		0·210	7·281	
				1·20	1 53 52			0·210	7·281	
				1·25	1 40 48			0·210	7·282	
				1·30	1 29 29			0·210	7·290	
		H 11	A 9	1·25	2 28 23	933·3		0·309	7·300	
				1·30	2 12 06			0·309	7·296	
				1·35	1 58 08			0·309	7·292	
				1·40	1 46 05			0·309	7·287	
		H 11	A 10	1·25	2 11 33	1007·5		0·273	7·272	
				1·30	1 56 59			0·273	7·272	
				1·35	1 44 24			0·272	7·275	
				1·40	1 33 37			0·272	7·275	
		B.	D 5	1·05	3 55 27	1279·1	J.	0·289	7·279	
				1·10	3 24 50			0·289	7·280	
				1·15	2 59 16			0·289	7·281	
				1·20	2 37 38			0·289	7·286	
				1·25	2 19 40			0·289	7·281	
				1·30	2 04 09			0·289	7·282	

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1848.						seconds.				
Aug. 29.	Cocos or Keeling Islands.	B.	D 5	1·35	1° 50′ 53″	1279·1	J.	0·289	7·284	
				1·40	1 39 23			0·289	7·284	
			A 7	1·10	3 54 13	914·0		0·332	7·265	
				1·15	3 25 14			0·332	7·265	
				1·20	3 00 41			0·332	7·265	
				1·25	2 39 47			0·332	7·270	
				1·30	2 22 08			0·332	7·274	
				1·35	2 07 00			0·332	7·274	
				1·40	1 53 57			0·332	7·272	
				1·45	1 42 33			0·332	7·274	
			A 8	0·95	3 47 34	1141·8		0·210	7·298	
				1·00	3 15 27			0·210	7·295	
				1·05	2 49 04			0·210	7·295	
				1·10	2 27 11			0·210	7·295	
				1·15	2 08 56			0·210	7·295	
				1·20	1 53 30			0·210	7·296	
				1·25	1 40 40			0·210	7·289	
				1·30	1 29 31			0·210	7·290	
21.			A 9	1·05	4 10 36	933·3		0·310	7·261	
				1·10	3 38 16			0·310	7·261	
				1·15	3 11 11			0·310	7·262	
				1·20	2 48 22			0·310	7·263	
				1·25	2 29 04			0·311	7·252	
				1·30	2 12 46			0·311	7·250	
				1·35	1 58 26			0·311	7·257	
				1·40	1 46 21			0·311	7·254	
			A 10	1·05	3 40 46	1007·5		0·273	7·251	
				1·10	3 12 14			0·273	7·252	
				1·15	2 48 22			0·273	7·254	
				1·20	2 28 16			0·273	7·256	
				1·25	2 11 23			0·273	7·253	
				1·30	1 56 41			0·273	7·260	
				1·35	1 44 21			0·273	7·256	
				1·40	1 33 38			0·273	7·256	
Sept. 12.		H 11	D 5	1·25	2 19 23	1279·1	I.	0·289	7·296	
				1·30	2 03 38			0·289	7·304	
				1·35	1 50 36			0·289	7·298	
				1·40	1 39 13			0·289	7·296	
		B.	D 5	1·05	3 55 27		J.	0·289	7·280	
				1·10	3 25 00			0·289	7·278	
				1·15	2 59 23			0·289	7·280	
				1·20	2 37 44			0·289	7·285	
				1·25	2 19 22			0·289	7·290	
				1·30	2 04 08			0·289	7·284	
				1·35	1 50 49			0·289	7·286	
				1·40	1 39 27			0·289	7·283	
			A 7	1·10	3 53 31	915·5		0·331	7·271	
				1·15	3 24 36			0·331	7·270	
				1·20	3 00 11			0·331	7·270	
				1·25	2 39 28			0·331	7·271	
				1·30	2 21 56			0·331	7·269	
				1·35	2 06 49			0·332	7·269	
				1·40	1 53 46			0·332	7·268	
				1·45	1 42 27			0·332	7·268	
13.		H 11	A 7	1·30	2 21 40	915·5	I.	0·331	7·278	
				1·35	2 06 33			0·331	7·279	
				1·40	1 53 32			0·331	7·278	
				1·45	1 42 16			0·331	7·276	
		H 11	A 8	1·15	2 08 56	1143·1		0·209	7·284	
				1·20	1 53 30			0·209	7·287	
				1·25	1 40 28			0·209	7·289	
				1·30	1 29 22			0·209	7·289	
14.		H 11	A 9	1·30	2 12 26	933·8		0·309	7·287	
				1·35	1 58 25			0·309	7·282	
				1·40	1 46 08			0·309	7·285	
				1·45	1 35 34			0·309	7·284	
		H 11	A 10	1·25	2 10 57	1009·5		0 271	7·276	
				1·30	1 56 25			0·271	7·278	
				1·35	1 44 01			0·271	7·277	
				1·40	1 33 19			0·271	7·275	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1848.						seconds.				
Sept. 14.	Cocos or Keeling Islands.	B.	A 8	0·95	3° 47′ 59″	1143·1	J.	0·209	7·282	
				1·00	3 15 45			0·209	7·278	
				1·05	2 49 18			0·209	7·281	
				1·10	2 27 24			0·209	7·281	
				1·15	2 09 02			0·209	7·282	
				1·20	1 53 36			0·209	7·284	
				1·25	1 40 40			0·209	7·280	
				1·30	1 29 34			0·279	7·279	
			A 9	1·05	4 10 24	933·8		0·310	7·263	
				1·10	3 38 11			0·310	7·262	
				1·15	3 11 05			0·310	7·263	
				1·20	2 48 17			0·310	7·264	
				1·25	2 29 05			0·310	7·251	
				1·30	1 12 35			0·310	7·253	
				1·35	1 58 22			0·310	7·258	
				1·40	1 46 15			0·310	7·257	
			A 10	1·05	3 40 29	1009·5		0·273	7·241	
				1·10	3 12 02			0·273	7·241	
				1·15	2 48 12			0·273	7·242	
				1·20	2 28 06			0·273	7·245	
				1·25	2 11 05			0·273	7·246	
				1·30	1 56 38			0·273	7·247	
				1·35	1 44 13			0·273	7·247	
				1·40	1 33 31			0·273	7·246	7·2745
1849.										
Jan. 12.	Pulo Dinding.	H 11	D 5	1·25	2 04 34	1214·9	I.	0·288	8·125	
				1·30	1 50 39			0·288	8·129	
				1·35	1 38 49			0·288	8·128	
				1·40	1 28 32			0·287	8·131	
		H 11	A 7	1·30	2 06 53	867·8		0·330	8·103	
				1·35	1 53 20			0·330	8·104	
				1·40	1 41 33			0·330	8·104	
				1·45	1 31 30			0·330	8·104	
		H 11	A 8	1·15	1 55 25	1084·7		0·209	8·114	
				1·20	1 41 36			0·209	8·118	
				1·25	1 29 52			0·209	8·132	
				1·30	1 29 32			0·209	8·126	
		H 11	A 9	1·25	2 13 22	886·5		0·308	8·113	
				1·30	1 58 43			0·308	8·109	
				1·35	1 46 01			0·308	8·110	
				1·40	1 35 04			0·308	8·110	
		H 11	A 10	1·25	1 57 17	956·1		0·271	8·118	
				1·30	1 44 16			0·271	8·119	
				1·35	1 33 11			0·271	8·117	
				1·40	1 23 32			0·271	8·118	8·117
Feb. 9.	CarNicobar, Bay of Bengal.	H 11	D 5	1·25	2 03 29	1212·6		0·286	8·178	
				1·30	1 49 43			0·286	8·182	
				1·35	1 37 56			0·286	8·183	
				1·40	1 27 55			0·286	8·177	
		H 11	A 7	1·30	2 05 38	866·7		0·329	8·152	
				1·35	1 52 18			0·329	8·150	
				1·40	1 40 41			0·329	8·151	
				1·45	1 30 43			0·329	8·148	
		H 11	A 8	1·15	1 54 48	1083·6		0·209	8·135	
				1·20	1 41 19			0·209	8·134	
				1·25	1 29 37			0·209	8·139	
				1·30	1 18 32			0·208	8·148	
		H 11	A 9	1·25	2 12 52	885·8		0·308	8·131	
				1·30	1 58 04			0·308	8·132	
				1·35	1 45 29			0·308	8·131	
				1·40	1 34 39			0·308	8·129	
	6.	B.	D 5	1·05	3 27 49	1212·6	J.	0·287	8·178	
				1·10	3 00 50			0·287	8·177	
				1·15	2 38 11			0·287	8·180	
				1·20	2 19 17			0·287	8·180	
				1·25	2 03 17			0·287	8·179	
				1·30	1 49 43			0·287	8·175	
				1·35	1 37 51			0·287	8·181	
				1·40	1 27 53			0·287	8·174	
			A 7	1·10	3 26 56	866·7		0·329	8·154	

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r′, r″, &c.	Exp. of deflec. Angles. a, a′, a″, &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1849.						seconds.				
Feb. 6.	CarNicobar, Bay of Bengal.	B.	A 7	1·15	3° 01′ 19″	866·7	J.	0·329	8·152	
				1·20	2 39 30			0·329	8·157	
				1·25	2 21 20			0·329	8·153	
				1·30	2 05 46			0·329	8·151	
				1·35	1 52 20			0·329	8·151	
				1·40	1 40 46			0·329	8·151	
				1·45	1 30 51			0·329	8·145	
		B.	A 8	0·95	3 21 30	1083·6		0·208	8·176	
				1·00	2 52 50			0·208	8·176	
				1·05	2 29 30			0·208	8·175	
				1·10	2 10 14			0·208	8·172	
				1·15	1 54 04			0·208	8·172	
				1·20	1 40 28			0·208	8·172	
				1·25	1 29 00			0·208	8·169	
				1·30	1 19 09			0·208	8·169	
		B.	A 9	1·05	3 41 28	885·8		0·307	8·139	
				1·10	3 12 46			0 307	8·141	
				1·15	2 48 46			0·307	8·149	
				1·20	2 28 47			0·307	8·141	
				1·25	2 11 41			0·307	8·146	
				1·30	1 57 10			0·307	8·144	
				1·35	1 44 28			0·307	8·156	
				1·40	1 34 01			0·307	8·143	
			A 10	1·05	3 15 19	955·1		0·271	8·147	
				1·10	2 50 11			0·271	8·143	
				1·15	2 29 06			0·271	8·142	
				1·20	2 11 13			0·271	8·146	
				1·25	1 56 12			0·271	8·144	
				1·30	1 43 22			0·271	8·144	
				1·35	1 32 25			0·271	8·141	
				1·40	1 22 48			0·271	8·145	
	8.	H 11	A 10	1·25	1 56 34	955·1	I.	0·271	8·145	
				1·30	1 43 35			0·270	8·150	
				1·35	1 32 32			0·270	8·150	
				1·40	1 22 45			0·270	8·160	8·1555
Jan. 25.	Pulo Penang	H 11	D 5	1·25	2 03 19	1214·2		0·286	8·173	
				1·30	1 49 33			0·286	8·176	
				1·35	1 37 43			0·286	8·180	
				1·40	1 27 44			0·286	8·175	
		H 11	A 7	1·30	2 05 41	867·0		0·329	8·148	
				1·35	1 52 20			0·329	8·147	
				1·40	1 40 45			0·329	8·146	
				1·45	1 30 39			0·329	8·150	
		H 11	A 8	1·15	1 54 07	1083·9		0·208	8·163	
				1·20	1 40 33			0·208	8·162	
				1·25	1 29 00			0·208	8·164	
				1·30	1 19 07			0·208	8·167	
		H 11	A 9	1·25	2 12 08	885·6		0·307	8·154	
				1·30	1 57 26			0·307	8·155	
				1·35	1 44 51			0·307	8·157	
				1·40	1 34 04			0·307	8·155	
		H 11	A 10	1·25	1 56 32	954·7		0·271	8·151	
				1·30	1 43 37			0·271	8·152	
				1·35	1 32 31			0·271	8·153	
				1·40	1 22 58			0·271	8·153	8·159
Mar. 27.	Hastings' Island.	H 11	D 5	1·25	2 03 15	1212·3		0·287	8·191	
				1·30	1 49 32			0·287	8·191	
				1·35	1 37 44			0·286	8·195	
				1·40	1 27 42			0·287	8·192	
		H 11	A 7	1·30	2 05 09	866·1		0·329	8·177	
				1·35	1 51 43			0·329	8·180	
				1·40	1 40 18			0·329	8·176	
				1·45	1 30 16			0·329	8·177	
		H 11	A 8	1·15	1 53 53	1083·1		0·208	8·180	
				1·20	1 40 13			0·208	8·186	
				1·25	1 23 48			0·208	8·183	
				1·30	1 19 05			0·208	8·178	
		H 11	A 9	1·25	2 11 48	885		0·3069	8·169	
				1·30	1 57 16			0·3070	8·167	
				1·35	1 44 43			0·3069	8·168	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r', r'', &c.	Exp. of deflec. Angles. a, a', a'', &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1849.						seconds.				
Mar. 27.	Hastings' Island.	H 11	A 9	1·40	1 33 59	835	I.	0·3071	8·164	
		H 11	A 10	1·25	1 56 10	954·2		0·270	8·168	
				1·30	1 43 17			0·270	8·169	
				1·35	1 32 17			0·270	8·168	
				1·40	1 22 48			0·271	8·165	8·1772
April 16.	Moulmein.	H 11	D 5	1·25	2 03 19	1220·6		0·285	8·124	
				1·30	1 49 24			0·284	8·133	
				1·35	1 37 43			0·285	8·132	
				1·40	1 27 42			0·285	8·128	
		H 11	A 7	1·30	2 05 41	871·3		0·328	8·100	
				1·35	1 52 09			0·328	8·105	
				1·40	1 40 41			0·328	8·101	
				1·45	1 30 43			0·328	8·097	
		H 11	A 8	1·15	1 54 19	1087·6		0·208	8·130	
				1·20	1 40 43			0·208	8·130	
				1·25	1 29 04			0·208	8·135	
				1·30	1 19 13			0·208	8·135	
		H 11	A 9	1·25	2 11 53	888·2		0·306	8·135	
				1·30	1 57 14			0·306	8·137	
				1·35	1 44 43			0·306	8·137	
				1·40	1 33 43			0·306	8·145	
		H 11	A 10	1·25	1 56 29	959·5		0·269	8·107	
				1·30	1 43 35			0·269	8·108	
				1·35	1 32 26			0·270	8·111	
				1·40	1 23 02			0·270	8·104	
17.		B.	D 5	1·05	3 27 56	1220·6	J.	0·285	8·122	
				1·10	3 00 48			0·285	8·125	
				1·15	2 38 24			0·285	8·121	
				1·20	2 19 22			0·285	8·124	
				1·25	2 03 24			0·285	8·121	
				1·30	1 49 42			0·285	8·122	
				1·35	1 37 59			0·285	8·122	
				1·40	1 27 52			0·285	8·122	
			A 7	1·10	3 26 28	871·3		0·327	8·111	
				1·15	3 00 54			0·327	8·109	
				1·20	2 39 30			0·328	8·105	
				1·25	2 21 16			0·328	8·103	
				1·30	2 05 34			0·328	8·105	
				1·35	1 52 14			0·328	8·104	
				1·40	1 40 19			0·328	8·104	
18.			A 8	0·95	3 22 19	1087·6		0·208	8·134	
				1·00	2 53 24			0·207	8·141	
				1·05	2 30 17			0·208	8·132	
				1·10	2 10 46			0·208	8·133	
				1·15	1 54 38			0·208	8·130	
				1·20	1 40 55			0·208	8·131	
				1·25	1 29 19			0·208	8·132	
				1·30	1 19 31			0·208	8·128	
			A 9	1·05	3 41 42	888 2		0·307	8·110	
				1·10	3 12 51			0·307	8·110	
				1·15	2 48 45			0·307	8·120	
				1·20	2 28 46			0·307	8·117	
				1·25	2 11 44			0·307	8·121	
				1·30	1 57 13			0·307	8·120	
				1·35	1 45 00			0·307	8·111	
				1·40	1 33 56			0·307	8·123	
23.			A 10	1·05	3 15 28	959·5		0·270	8·106	
				1·10	2 50 07			0·270	8·108	
				1·15	2 29 03			0·270	8·107	
				1·20	2 11 17			0·270	8·107	
				1·25	1 56 14			0·270	8·106	
				1·30	1 43 26			0·270	8·108	
				1·35	1 32 23			0·270	8·105	
				1·40	1 22 52			0·270	8·105	8·1186
July 4.	Madras.	H 11	D 5	1·25	2 03 40	1228·1	I.	0·283	8·070	
				1·30	1 49 56			0·283	8·066	
				1·35	1 38 13			0·283	8·064	
				1·40	1 28 06			0·283	8·062	
		H 11	A 7	1·30	2 06 55	874·2		0·328	8·060	
				1·35	1 53 25			0·328	8·059	

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r', r'', &c.	Exp. of deflec. Angles. a, a', a'', &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1849.						seconds.				
July 4.	Madras.	H 11	A 7	1·40	1 41 45	874·2	I.	0·328	8·057	
				1·45	1 31 37			0 328	8·057	
		H 11	D 5	1·25	2 02 34	1229·8		0·281	8·090	
				1·30	1 48 53			0·281	8·092	
				1·35	1 37 09			0·281	8·095	
				1·40	1 27 10			0·281	8·093	
		H 11	A 7	1·30	2 05 20	878·1		0·325	8·076	
				1·35	1 52 00			0·325	8·073	
				1·40	1 40 26			0·325	8·073	
				1·45	1 30 24			0·325	8·074	
		H 11	A 8	1·15	1 53 19	1096·0		0·205	8·093	
				1·20	1 39 56			0·205	8·089	
				1·25	1 28 23			0·204	8·094	
				1·30	1 18 32			0·204	8·098	
		H 11	A 9	1·25	2 12 02	891·9		0·305	8·100	
				1·30	1 57 22			0·304	8·100	
				1·35	1 44 50			0·304	8·100	
				1·40	1 34 02			0·304	8·100	
		H 11	A 10	1·25	1 56 19	962·43		0·268	8·092	
				1·30	1 43 26			0·268	8·092	
				1·35	1 32 25			0·268	8·092	
				1·40	1 22 52			0·268	8·092	
Aug. 1.		B.	D 5	1·05	3 26 30	1229·8	J.	0·282	8·083	
				1·10	2 59 37			0·282	8·085	
				1·15	2 37 10			0·282	8·087	
				1·20	2 18 20			0·282	8·088	
				1·25	2 02 31			0·282	8·084	
				1·30	1 48 53			0·282	8·087	
				1·35	1 37 16			0·282	8·085	
				1·40	1 27 10			0·282	8·088	
2.			A 7	1·10	3 26 33	878·1		0·325	8·071	
				1·15	3 00 49			0·325	8·073	
				1·20	2 39 20			0·325	8·071	
				1·25	2 21 05			0·325	8·070	
				1·30	2 05 30			0·325	8·069	
				1·35	1 52 10			0·325	8·068	
				1·40	1 40 33			0·325	8·068	
				1·45	1 30 32			0·325	8·068	
4.			A 8	0·95	3 20 08	1096·0		0·204	8 096	
				1·00	2 51 26			0·204	8·105	
				1·05	2 28 23			0·204	8·101	
				1·10	2 09 13			0·204	8·094	
				1·15	1 53 14			0·204	8·097	
				1·20	1 39 43			0·204	8·098	
				1·25	1 28 19			0·204	8·096	
				1·30	1 18 35			0·204	8·094	
7.		B.	A 9	1·05	3 41 39	891·9		0·305	8·084	
				1·10	3 12 59			0·305	8·084	
				1·15	2 49 01			0·305	8·085	
				1·20	2 28 52			0·305	8·087	
				1·25	2 12 07			0·305	8·075	
				1·30	1 57 20			0·305	8·082	
				1·35	1 44 52			0·305	8·083	
				1·40	1 34 06			0·305	8·082	
		B.	A 10	1·05	3 15 29	962·43		0·268	8·081	
				1·10	2 50 08			0·268	8·082	
				1·15	2 29 05			0·268	8·081	
				1·20	2 10 55			0·268	8·093	
				1·25	1 56 20			0·269	8·077	
				1·30	1 43 30			0·269	8·076	
				1·35	1 32 26			0·269	8·077	
				1·40	1 23 00			0·269	8·073	
Sept. 27.			D 5	1·05	3 26 04	1231·5		0·281	8·085	
				1·10	2 59 12			0·281	8·087	
				1·15	2 36 46			0 281	8·089	
				1·25	2 02 13			0·281	8·086	
				1·30	1 48 40			0·281	8·086	
				1·35	1 37 02			0·281	8·087	
				1·40	1 27 01			0·281	8·087	
28.			A 7	1·10	3 26 03	878·1		0·325	8·075	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r', r'', &c.	Exp. of deflec. Angles. a, a', a'', &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1849.						seconds.				
Sept. 28.	Madras.	B.	A 7	1·15	3 00 31	878·1	J.	0·325	8·074	
				1·20	2 38 51			0·325	8·077	
				1·25	2 20 42			0·325	8·075	
				1·30	2 05 07			0·325	8·076	
				1·35	1 51 50			0·325	8·077	
				1·40	1 40 20			0·325	8·072	
				1·45	1 30 22			0·325	8·071	
			A 8	0·95	3 19 26	1099·1		0·204	8·084	
				1·00	2 51 12			0·204	8·082	
				1·05	2 28 03			0·204	8·084	
				1·10	2 08 55			0·204	8·083	
				1·15	1 52 55			0·204	8·082	
				1·20	1 39 34			0·204	8 078	
				1·25	1 28 08			0·204	8·077	
				1·30	1 18 23			0·204	8·077	
			A 9	1·05	3 41 43	895·2		0·304	8·053	
				1·10	3 13 07			0·304	8·053	
				1·15	2 49 07			0·304	8·054	
				1·20	2 29 04			0·304	8·052	
				1·25	2 12 02			0·304	8·050	
				1·30	1 57 18			0·304	8·054	
				1·35	1 44 52			0·304	8·054	
				1·40	1 34 03			0·304	8·053	
			A 10	1·05	3 15 32	963·6		0·268	8·069	
				1·10	2 50 10			0·268	8·071	
				1·15	2 29 04			0·268	8·070	
				1·20	2 11 20			0·268	8·069	
				1·25	1 56 18			0·268	8·068	
				1·30	1 43 29			0·268	8 066	
				1·35	1 32 36			0·269	8·060	
				1·40	1 22 52			0·268	8·069	
Oct. 2.		H 11	D 5	1·25	2 02 10	1231·5	I.	0·281	8·089	
				1·30	1 48 34			0·281	8·090	
				1·35	1 37 05			0·281	8·085	
				1·40	1 26 52			0·281	8·093	
		H 11	A 7	1·30	2 05 01	878·1		0·325	8·077	
				1·35	1 51 39			0·325	8·079	
				1·40	1 40 05			0·325	8·079	
				1·45	1 30 16			0·325	8·074	
		H 11	A 8	1·15	1 53 32	1099·1		0·204	8·055	
				1·20	1 39 46			0·204	8·066	
				1·25	1 28 11			0·204	8·073	
				1·30	1 18 24			0 204	8·075	
		H 11	A 9	1·25	2 11 43	895·2		0·303	8·075	
				1·30	1 57 08			0·303	8·075	
				1·35	1 44 35			0·303	8·076	
				1·40	1 33 52			0·304	8·074	
		H 11	A 10	1·25	1 56 41	963·6		0·268	8·067	
				1·30	1 43 44			0·268	8·068	
				1·35	1 32 35			0·268	8·071	
				1·40	1 23 00			0·268	8·072	8·0784
1845.										
Aug. 14.	Singapore.	C 15	C 7	1·6	3 40 34	1343·41	P.	1·052	7·959	
				2·1	1 37 46			1·052	7·957	
16.				1·6	3 40 46	1343·0		1·052	7·955	
				2·1	1 37 49			1·051	7·961	
18.				1·6	3 40 44	1344·58		1·054	7·948	
				2·1	1 37 40			1·051	7·953	
19.				1 6	3 40 46	1344·91		1·051	7·947	
				2·1	1 37 37			1·050	7·954	
20.				1·6	3 41 31	1344·03		1·053	7·939	
				2·1	1 38 38			1·055	7·922	7·9495
1846.										
Mar. 28.				1·6	3 36 24	1357·70		1·030	7·950	
				1·7	3 00 42			1·030	7·947	
				1·8	2 32 11			1 030	7·949	
				1·9	2 09 38			1·031	7·943	
				2·0	1 51 06			1·030	7·945	
				2·1	1 35 34			1·028	7·963	
				2·2	1 23 34			1·031	7·942	
				2·3	1 12 39			1·027	7·968	7·951
1848.						seconds.				
Nov. 28.	Singapore.	C 15	C7	1·6	3 25 57	1387·7	P.	0·978	7·969	
				1·7	2 51 34			0·977	7·975	
				1·8	2 24 25			0·977	7·980	
				1·9	2 03 31			0·978	7·969	
				1·6	3 24 29			0·977	7·996	
				1·7	2 50 24			0·977	8·000	
				1·8	2 33 14			0·977	8·001	
				1·9	2 02 15			0·977	7·997	
Dec. 26.				1·6	3 24 38	1387·2		0·978	7·997	
				1·7	2 50 40			0·978	7·998	
				1·8	2 23 34			0·977	8·006	
				1·9	2 01 59			0·977	8·010	7·991
1846.										
Jan. 21.	Pulo Pee-sang.			1·7	3 00 46	1352·4		1·034	7·962	
				1·8	2 32 00			1·033	7·971	
				2·2	1 23 42			1·035	7·952	
				2·3	1 12 56			1·033	7·970	7·964
30.	Carimon.			1·7	2 59 53	1357·2		1·028	7·961	
				1·8	2 31 16			1·028	7·964	
				2·2	1 23 02			1·028	7·964	
				2·3	1 12 58			1·030	7·948	7·959
Feb. 8.	Pulo Booāya			1·7	3 01 37	1361·3		1·031	7·911	
				1·8	2 33 06			1·031	7·910	
				2·2	1 24 25			1·034	7·887	
				2·3	1 13 18			1·030	7·918	7·907
21.	Lingin.			1·7	3 00 57	1358·8		1·029	7·938	
				1·8	2 32 18			1·028	7·943	
				2·2	1 23 46			1·030	7·930	
				2·3	1 13 09			1·029	7·938	7·937
May 21.	Sarāwak, Borneo.			1·7	2 57 10	1352·8		1·027	8·015	
				1·8	2 28 44			1·023	8·014	
				2·2	1 21 46			1·023	8·011	
				2·3	1 11 07			1·020	8·037	
July 3.				1·7	2 57 26	1356·4		1·026	8·000	
				1·8	2 29 10			1·024	8·013	
				2·2	1 22 00			1·025	8·010	
				2·3	1 12 01			1·026	7·997	
7.				1·7	2 56 40	1355·7		1·026	8·033	
				1·8	2 28 35			1·024	8·044	
				2·2	1 21 45			1·025	8·038	
				2·3	1 11 33			1·025	8·039	8·024
21.	Sambas, Borneo.			1·7	2 56 00	1356·6		1·022	8·017	
				1·8	2 27 48			1·019	8·034	
				2·3	1 10 54			1·020	8·044	8·032
25.	Permangkat at the mouth of the Sambas river.			1·7	2 55 18	1355·8		1·020	8·048	
				1·8	2 27 45			1·020	8·050	
				2·2	1 21 08			1·019	8·052	
				2·3	1 11 14			1·021	8·041	8·048
Aug. 4.	Pontiānak, Borneo.			1·7	2 56 33	1360·7		1·021	7·992	
				1·8	2 29 02			1·021	7·989	
				2·2	1 21 29			1·019	8·008	
				2·3	1 11 52			1·023	7·978	7·992
13.	Succadāna, Borneo.			1·7	2 57 50			1·022	7·948	
				1·8	2 29 24			1·020	7·962	
				2·2	1 22 14			1·021	7·956	
				2·3	1 12 12			1·022	7·945	7·953
Sept. 17.	Batavia, Island of Java.			1·7	3 00 46	1383·9		1·012	7·791	
				1·8	2 32 32			1·013	7·786	
				2·2	1 23 38			1·013	7·785	
				2·3	1 13 12			1·014	7·784	
				1·7	3 01 40			1·014	7·777	
				1·8	2 32 44			1·013	7·786	
				2·2	1 24 02			1·016	7·763	
				2·3	1 13 25			1·014	7·779	
				1·7	3 00 45	1383·6		1·011	7·785	
				1·8	2 31 58			1·009	7·795	
				2·2	1 23 50			1·013	7·769	
				2·3	1 12 57			1·010	7·792	
1847.										
July 19.				1·7	2 58 16	1395·3		0·995	7·787	

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r', r'', &c.	Exp. of deflec. Angles. a, a', a'', &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1847.						seconds.				
July 19.	Batavia, Island of Java.	C 15	C 7	1·8	° ′ ″ 2 30 15	1395·3	P.	0·995	7·787	
				2·2	1 22 34			0·996	7·777	
				2·3	1 12 09			0·995	7·783	
				1·7	2 58 04			0·994	7·791	
				1·8	2 29 48			0·993	7·797	
				2·2	1 22 22			0·995	7·785	
				2·3	1 12 17			0·996	7·774	
				1·7	2 59 26			0·997	7·767	
				1·8	2 30 14			0·994	7·791	
				2·2	1 22 47			0·997	7·770	
				2·3	1 12 08			0·995	7·787	
				1·7	2 58 50			0·995	7·786	
				1·8	2 30 39			0·995	7·788	
				2·2	1 22 41			0·995	7·783	
20.				1·7	2 58 43			0·995	7·785	
				1·8	2 30 55			0·995	7·786	
				2·2	1 23 00			0·998	7·764	
				2·3	1 12 16			0·995	7·785	
Aug. 5.				1·6	3 33 31			0·994	7·790	
				1·7	2 58 03			0·994	7·791	
				1·8	2 29 52			0·994	7·797	
				1·9	2 08 05			0·996	7·777	
				1·6	3 33 13			0·994	7·792	
				1·7	2 57 55			0·994	7·790	
				1·8	2 29 53			0·994	7·793	
				1·9	2 07 47			0·995	7·783	7·784
Sept. 29.	Ceram.			1·7	3 02 36	1389·2		1·002	7·725	
				1·8	2 33 59			1·012	7·723	
				2·2	1 24 26			1·012	7·721	
				2·3	1 13 59			1·013	7·716	7·721
Oct. 1.	Anjeer.			1·7	3 01 50	1387·3		1·012	7·757	
				1·8	2 33 08			1·020	7·759	
				2·2	1 24 02			1·012	7·753	
				2·3	1 13 28			1·012	7·757	7·757
3.	Cheringin.			1·7	3 01 16	1387·1		1·010	7·760	
				1·8	2 32 44			1·010	7·761	
				2·2	1 23 47			1·011	7·758	
				2·3	1 13 34			1·024	7·745	7·756
5.	Balembangan.			1·7	3 03 17	1386·1		1·013	7·729	
				1·8	2 34 18			1·012	7·733	
				2·2	1 24 55			1·014	7·717	
				2·3	1 14 10			1·013	7·725	7·726
6.	Chebiliang.			1·7	3 04 31	1397·3		1·014	7·615	
				1·8	2 35 28			1·012	7·634	
				2·2	1 25 33			1·014	7·619	
				2·3	1 14 43			1·013	7·627	7·623
10.	Chelangkahan.			1·7	3 03 33	1395·25		1·012	7·661	
				1·8	2 35 05			1·012	7·658	
				2·2	1 25 09			1·013	7·651	
				2·3	1 15 08			1·017	7·620	7·647
12.	Goonong Dādap.			1·7	3 00 50	1381·7		1·012	7·808	
				1·8	2 31 59			1·012	7·818	
				2·2	1 23 22			1·012	7·816	
				2·3	1 13 03			1·013	7·811	7·813
15.	Woorong Goonong.			1·7	3 01 09	1384·9		1·011	7·782	
				1·8	2 32 07			1·010	7·796	
				2·2	1 23 53			1·013	7·772	
				2·3	1 13 02			1·010	7·793	7·786
Dec. 1.	Chunjūr.			1·7	3 00 13	1392·5		1·003	7·754	
				1·8	2 31 46			1·002	7·757	
				2·2	1 23 25			1·004	7·746	
				2·3	1 12 37			1·001	7·767	7·756
4.	Kārang Tengga.			1·7	2 59 38	1387·4		1·004	7·801	
				1·8	2 31 02			1·003	7·810	
				2·2	1 23 04			1·004	7·797	
				2·3	1 12 31			1·003	7·807	7·804
7.	Chebrānok.			1·7	2 59 43	1390·0		1·004	7·784	
				1·8	2 30 52			1·002	7·799	
				2·2	1 23 11			1·005	7·776	
				2·3	1 12 40			1·004	7·783	7·786
1846.										
Dec. 8.	Palabūan Rātu.	C 15	C 7	1·7	° ′ ″ 2 59 55	1396·1	P.	1·000	7·744	
				1·8	2 31 37			1·000	7·744	
				2·2	1 23 05			1·000	7·745	
				2·3	1 12 44			1·000	7·744	7·744
10.	Chilotoe.			1·7	3 00 16	1390·6		1·004	7·765	
				1·8	2 31 38			1·003	7·772	
				2·2	1 23 27			1·005	7·757	
				2·3	1 12 34			1·002	7·764	7·764
12.	Pangangbahan.			1·7	2 59 31	1391·30		1·002	7·780	
				1·8	2 31 04			1·001	7·785	
				2·2	1 23 13			1·004	7·766	
				2·3	1 12 37			1·002	7·777	7·777
13.	Mooāro Chikasso.			1·7	3 02 24	1397·1		1·005	7·681	
				1·8	2 33 11			1·003	7·694	
				2·3	1 13 31			1·003	7·693	7·689
15.	Sidang Bārang.			1·7	3 01 23	1404·3		0·998	7·659	
				1·8	2 33 01			1·000	7·655	
				2·2	1 24 19			1·001	7·644	7·653
16.	Bejong Petair.			1·7	2 58 17	1391·8		1·000	7·802	
				1·8	2 30 17			1·000	7·801	
				2·2	1 22 38			1·001	7·789	
				2·3	1 12 25			1·002	7·783	7·794
21.	Bandong.			1·7	2 58 56	1387·3		1·002	7·812	
				1·8	2 30 42			1·001	7·814	
				2·2	1 22 32			1·002	7·808	
				2·3	1 12 31			1·003	7·802	7·809
24.	Garoet.			1·7	2 59 14	1389·5		1·002	7·790	
				1·8	2 30 46			1·001	7·798	
				2·2	1 22 50			1·002	7·788	
				2·3	1 12 23			1·001	7·794	7·793
29.	Permangpek			1·7	3 01 24	1400·6		1·000	7·689	
				1·8	2 32 32			0·999	7·698	
				2·2	1 23 33			0·999	7·700	
				2·3	1 13 08			0·999	7·700	7·697
1847.										
Jan. 1.	Cherūgnūktok.			1·7	2 59 17	1393·7		1·000	7·764	
				1·8	2 30 50			0·999	7·771	
				2·2	1 22 59			1·001	7·756	
				2·3	1 12 29			1·000	7·764	7·764
6.	Kālipoochen.			1·7	2 58 50	1394·0		0·998	7·769	
				1·8	2 30 21			0·997	7·787	
				2·2	1 22 40			0·998	7·775	
				2·3	1 12 18			0·998	7·777	7·777
10.	Chāwee.			1·7	2 58 24	1388·9		0·999	7·827	
				1·8	2 30 18			0·999	7·828	
				2·2	1 22 32			1·000	7·821	
				2·3	1 12 24			1·001	7·812	7·822
12.	Samadang.			1·7	2 58 16	1388·3		1·001	7·817	
				1·8	2 29 40			0·992	7·832	
				2·2	1 22 24			1·001	7·815	
				2·3	1 12 13			1·002	7·809	7·818
18.	Indramāyu.			1·7	2 58 40	1388·1		1·000	7·818	
				1·8	2 30 31			1·000	7·820	
				2·2	1 22 40			1·001	7·811	
				2·3	1 12 16			1·000	7·816	7·813
26.	Tegal.			1·7	2 27 54	1389·9		0·998	7·822	
				1·8	2 29 54			0·998	7·823	
				2·2	1 22 21			0·999	7·813	7·819
30.	Samārang.			1·7	2 58 15	1391·3		0·998	7·807	
				1·8	2 30 01			0·997	7·812	
				2·2	1 22 17			0·998	7·809	
				2·3	1 12 09			0·998	7·802	7·807
Feb. 2.	Japāra.			1·7	2 57 43	1387·9		0·999	7·833	
				1·8	2 29 55			0·998	7·842	
				2·2	1 22 05			0·999	7·833	
				2·3	1 12 02			1·001	7·823	7·833
5.	Ambarāwa.			1·7	2 56 38	1393·4		0·991	7·836	
				1·8	2 28 47			0·991	7·838	
				2·2	1 21 50			0·993	7·824	
				2·3	1 11 33			0·992	7·828	7·832

TABLE G.

Date.	Station.	Magnets employed. Suspended.	Magnets employed. Deflecting.	Exp. of deflec. Dist. r, r', r'', &c.	Exp. of deflec. Angles. a, a', a'', &c.	Observed time of 300 vibrations.	Declinometer.	Results. m.	Results. X.	General mean.
1847.						seconds.				
Feb. 13.	Solo.	C 15	C 7	1·7	2 57 50	1389·6	P.	0·998	7·824	
				1·8	2 29 55			0·999	7·823	
				2·2	1 22 03			0·998	7·829	
				2·3	1 11 46			0·998	7·831	7·827
18.	Nyāwee.			1·7	2 56 01	1383·42		0·998	7·909	
				1·8	2 27 59			0·997	7·917	
				2·2	1 21 31			1·000	7·898	
				2·3	1 11 19			0·998	7·909	7·908
22.	Soorabāya.			1·7	2 55 10	1381·91		0·995	7·946	
				1·8	2 27 18			0·994	7·942	
				2·2	1 20 55			0·995	7·933	
				2·3	1 10 55			0·996	7·948	7·942
Mar. 23.	Sumenap.			1·7	2 55 00	1382·3		0·996	7·934	
				1·8	2 27 14			0·996	7·940	
				2·2	1 20 52			0·997	7·932	
				2·3	1 11 02			0·998	7·918	
26.				1·7	2 55 32	1383·6		0·997	7·913	
				1·8	2 27 41			0·996	7·920	
				2·2	1 26 07			0·998	7·902	
				2·3	1 10 58			0·997	7·913	
31.				1·7	2 55 49	1382·9		0·998	7·910	
				1·8	2 28 04			0·998	7·912	
				2·2	1 21 28			1·000	7·897	
				2·3	1 11 18			1·000	7·896	7·916
April 8.	Pulo Kuneeang.			1·7	2 54 37	1382·6		0·996	7·902	
				1·8	2 26 52			0·995	7·946	
				2·2	1 20 39			0·996	7·938	
				2·3	1 10 53			0·998	7·922	
				1·7	2 55 43	1381·3		0·998	7·921	
				1·8	2 27 58			0·998	7·924	
				2·2	1 21 26			1·000	7·908	
				2·3	1 11 22			1·000	7·903	
10.				1·7	2 55 22	1374·75		1·001	7·957	
				1·8	2 27 28			1·000	7·965	
				2·2	1 21 05			1·001	7·953	
				2·3	1 11 08			1·002	7·942	7·932
26.	Bezooki.			1·7	2 56 19	1386·75		0·997	7·880	
				1·8	2 28 39			0·997	7·878	
				2·2	1 21 42			0·998	7·867	
				2·3	1 11 03			0·995	7·892	7·879
May 12.	Kedeeri.			1·7	2 58 14	1395·8		0·995	7·784	
				1·8	2 30 16			0·995	7·782	
				2·2	1 22 31			0·997	7·770	
				2·3	1 12 18			0·997	7·771	
13.				1·7	2 59 02			0·997	7·767	
				1·8	2 30 20			0·995	7·781	
				2·2	1 22 46			0·998	7·763	
				2·3	1 12 07			0·995	7·781	7·775
21.	Patchitan.			1·7	2 58 36	1399·6		0·994	7·756	
				1·8	2 30 07			0·993	7·766	
				2·2	1 22 34			0·995	7·753	
				2·3	1 12 15			0·995	7·754	7·757
June 1.	Manāroo.			1·7	2 56 41	1392·0		0·995	7·831	
				1·8	2 28 38			0·994	7·838	
				2·2	1 21 49			0·996	7·821	
				2·3	1 11 30			0·995	7·827	7·829
6.	Kārang Bolang.			1·7	2 58 02	1396·5		0·997	7·804	
				1·8	2 29 36			0·996	7·815	
				2·2	1 22 25			0·998	7·795	
				2·3	1 11 56			0·997	7·806	7·805
9.	Chilāchap.			1·7	2 58 32	1394·9		0·996	7·791	
				1·8	2 30 07			0·996	7·790	
				2·2	1 22 32			0·997	7·778	
				2·3	1 12 11			0·997	7·781	7·785
25.	Kandang Aur.			1·7	2 57 01	1395·3		0·993	7·814	
				1·8	2 28 49			0·992	7·823	
				2·2	1 22 10			0·993	7·794	
				2·3	1 11 22			0·991	7·824	7·814
Aug. 19.	Lampongs, Sumātra.			1·6	3 32 14	1395·5		0·992	7·808	
1847.						seconds.				
Aug. 19.	Lampongs, Sumātra.	C 15	C 7	1·7	2 57 09	1395·5	P.	0·992	7·805	
				1·8	2 29 06			0·991	7·811	
				1·9	2 07 10			0·993	7·801	7·809
Sept. 1.	Poolo Bay, near Bencoolen.			1·6	3 32 29	1396·6		0·991	7·800	
				1·7	2 57 24			0·991	7·796	
				1·8	2 29 18			0·991	7·802	
				1·9	2 07 42			0·993	7·780	7·794
Oct. 22.	Padang.			1·6	3 29 24	1392·9		0·987	7·867	
				1·7	2 54 50			0·987	7·863	
				1·8	2 27 17			0·987	7·865	
				1·9	2 05 30			0·988	7·857	7·863
1848.										
May 6.	Pulo Laboo-an.			1·6	3 23 50	1376·6		0·985	8·087	
				1·7	2 49 27			0·983	8·101	
				1·8	2 22 58			0·984	8·097	
				1·9	2 01 55			0·985	8·086	8·093
27.	Samboo-anga.			1·6	3 24 22	1386·0		0·980	8·010	
				1·7	2 50 26			0·989	8·011	
				1·8	2 23 33			0·986	8·014	
				1·9	2 02 18			0·981	8·007	8·011
June 21.	Keemah.			1·6	3 21 50	1375·7		0·982	8·121	
				1·7	2 48 16			0·981	8·123	
				1·8	2 21 33			0·980	8·131	
				1·9	2 00 42			0·982	8·120	8·124
Sept. 1.	Cocos or Keeling Islands.			1·6	3 48 51	1462·1		0·982	7·171	
				1·7	3 10 21			0·980	7·182	
				1·8	2 40 37			0·981	7·178	
				1·9	2 16 39			0·981	7·177	
7.				1·6	3 48 06	1465·4		0·979	7·170	
				1·7	3 09 58			0·978	7·176	
				1·8	2 40 07			0·978	7·176	
				1·9	2 16 15			0·978	7·174	
12.				1·6	3 48 31	1465·6		0·980	7·157	
				1·7	3 10 42			0·980	7·156	
				1·8	2 40 57			0·981	7·151	
				1·9	2 16 51			0·981	7·152	7·167
1849.										
Jan. 3.	Malacca.			1·6	3 24 12	1390·68		0·976	7·986	
				1·7	2 50 22			0·976	7·986	
				1·8	2 23 05			0·975	7·999	
				1·9	2 02 01			0·976	7·989	7·981
13.	Pulo Dinding.			1·6	3 24 07	1387·2		0·978	8·012	
				1·7	2 50 05			0·978	8·016	
				1·8	2 23 12			0·977	8·020	
				1·9	2 01 56			0·978	8·011	8·015
27.	Penang.			1·6	3 22 42	1390·0		0·974	8·022	
				1·7	2 49 04			0·973	8·023	
				1·8	2 22 20			0·973	8·027	
				1·9	2 01 17			0·974	8·020	8·024
Feb. 10.	Nicobar.			1·6	3 23 29	1390·2		0·974	8·000	
				1·7	2 49 23			0·973	8·008	
				1·8	2 22 54			0·974	8·004	
				1·9	2 01 49			0·975	7·995	8·002
Mar. 27.	Hastings' Island.			1·6	3 21 35	1386·9		0·973	8·061	
				1·7	2 47 28			0·971	8·077	
				1·8	2 21 18			0·971	8·073	
				1·9	2 00 29			0·972	8·062	8·068
April 16.	Moulmein.			1·6	3 24 51	1391·4		0·976	7·973	
				1·7	2 50 28			0·975	7·983	
				1·8	2 23 40			0·975	7·983	
				1·9	2 02 31			0·976	7·972	7·978
Aug. 25.	Madras.			1·6	3 23 42	1400·3		0·967	7·943	
				1·7	2 49 32			0·966	7·952	
				1·8	2 22 20			0·965	7·968	
				1·9	2 01 21			0·965	7·963	
Oct. 3.				1·6	3 23 02	1402·1		0·965	7·943	
				1·7	2 49 15			0·965	7·946	
				1·8	2 22 30			0·965	7·950	
				1·9	2 01 12			0·965	7·950	7·951

Absolute Determinations of Dip, Horizontal and Total Intensity, and Variation at different Stations in the Archipelago, together with the Heights, in Feet, of some of the Stations in Sumātra determined by CARY's Portable Barometer.

TABLE H.

Date.	Station.	Latitude.	Longitude.	Dip corrected to Jan. 1, 1848.	Horizontal Intensity.	Total Intensity.	Variation.	Altitude above sea level.
1845	Singapore	1° 18′ 32″ N.	103° 56′ 30″ E.	° ′	8·0947	8·306	1° 36′ 46·6 E.	S. L.*
1846	Singapore	.....	.....	12 51·8 S.	8·121	8·333	.....	S. L.
1847	Singapore	.....	.....	12 56·2	8·116	8·328	.....	S. L.
1848	Singapore	.....	.....	12 56·7	8·114	8·326	1 36 15	S. L.
January, 1846	Pulo Peesang	1 27 52·6	103 19 15	.....	8·092	.....	1 31 07	S. L.
	Carimons	0 59 22	103 27 00	.....	8·077	.....	1 23 05	S. L.
February.	Pulo Booāya	0 09 09	104 21 00	.....	.....	.....	1 28 49	S. L.
	Lingin	0 11 39 S.	104 37 00	.....	8·062	.....	1 19 07	S. L.
May, June and July.	Sarāwak	1 33 54 N.	110 29 00	11 14·9	8·186	8·346	1 09 40	U.†
July.	Sambas	1 22 00	109 28 00	11 31·0	8·166	8·334	1 15 50	U.
July.	Permanket	1 10 29	109 04 15	12 35·8	8·182	8·384	1 09 33	S. L.
August.	Pantiānak	0 01 19·3 S.	109 30 00	12 45·0	8·125	8·331	1 31 19	S. L.
August.	Succadāna	1 15 33	109 57 00	17 02·1	8·086	8·457	1 22 39	S. L.
September.	Batavia	6 09 52	106 58 00	27 05·4	7·897	8·870	0 47 07	S. L.
September 29.	Ceram	6 07 05	106 15 00	27 14·2	7·850	8·829	0 34 25	S. L.
October 1.	Anjeer	6 02 47	106 01 00	26 32·0	7·887	8·815	0 58 11	S. L.
October 3.	Cheringin	6 22 05	105 46 45	27 34·0	7·886	8·895	0 50 44	S. L.
October 5.	Palambangan	6 31 00	105 54 45	28 08·6	7·855	8·909	0 59 10	U.
October 7.	Chebiliang	6 47 00	105 49 15	28 41·1	7·753	8·834	0 20 36	U.
October 10.	Chelangkahan	6 54 00?	106 06 45?	28 23·9	7·647	8·838	0 13 46	U.
October 12.	Goonong Dādap	6 28 00?	106 06 00?	27 31·7	7·943	8·958	0 52 57	U.
October 15.	Woorong Goonong	6 11 00?	106 10 00?	27 23·2	7·916	8·915	0 40 04	U.
November 23.	Tegu	6 43 04	106 58 45?	28 45·4	.....	.....	0 11 32?	U.‡
November 27.	Pangerango	6 51 00?	106 59 00?	29 45·7	.....	.....	.....	U.§
December 1.	Chunjūr	6 50 08	107 09 45	28 26·1	7·886	8·967	1 35 28?	U.‖
December 4.	Kārang Tengga	6 58 16	106 47 45	28 24·1	7·934	9·020	1 13 18	U.
December 7.	Chebrānok	6 57 14	106 25 30	28 30·8	7·916	9·009	0 35 09	S. L.
December 8.	Wyn Cooper's Bay	7 05 00?	106 36 30	29 21·5	7·873	9·033	0 32 20	S. L.
December 10.	Chilotoe	7 11 17	106 27 00	28 54·3	7·894	9·017	0 27 38	U.
December 11.	Pangangbahan	7 30 37	106 19 00	29 44·4	7·907	9·106	0 10 05	U.
December 13.	Mooāro Chikasso	7 28 00	106 38 00	30 08·3	7·817	9·039	0 13 14	S. L.
December 15.	Sidang Bārang	7 30 00?	107 10 00	30 15·0	7·781	9·007	0 05 13	U.
December 16.	Bejong Petair	7 13 36	107 02 00	29 36·5	7·924	9·113	0 16 23	U.
December 21.	Bandong	6 55 44	107 40 30	28 34·4	7·939	9·040	0 26 23	U.
December 24.	Garoet	7 13 54	107 55 00	29 01·5	7·925	9·060	0 25 21	U.
December 29.	Permangpek	7 39 23	107 45 15	30 14·8	7·826	9·059	0 20 20	U.
Jan. 1, 1847	Cherūgnūktok	7 38 25	108 09 45	30 10·9	7·894	9·132	0 18 13	U.
Jan. 6.	Kālipoochen	7 39 02	108 52 30	29 53·9	7·907	9·121	0 57 46	S. L.¶
Jan. 8.	Banjeer	7 23 08	108 42 00	29 09·9	.....	.....	0 27 59	U.
Jan. 10.	Chāwee	7 09 34	108 23 00	28 41·9	7·953	9·066	0 33 23	U.
Jan. 12.	Samadang	6 51 14	108 04 45	28 00·2	7·948	9·002	0 30 24	U.
Jan. 14.	Cheribon	6 43 34	108 42 00	27 52·0	.....	.....	0 31 41	S. L.
Jan. 18.	Indramāyu	6 19 35	108 25 45	27 30·9	7·944	8·957	0 41 05	S. L.
Jan. 26.	Tegal	6 51 57	109 15 30	28 05·1	7·950	9·010	0 37 59	S. L.
Jan. 30.	Samārang	6 59 42	110 30 45	27 04·6	7·937	8·915	0 23 51	S. L.
Feb. 2.	Japara	6 36 07	110 38 15	27 29·9	7·964	8·978	0 24 55	S. L.
Feb. 5.	Ambarāwa	7 16 08	110 28 45	29 27·7	7·963	9·146	0 33 17	U.
Feb. 10.	Balembang	7 24 00?	110 37 00	29 02·4	.....	.....	.....	U.
Feb. 13.	Solo	7 35 00?	110 53 30	29 12·7	7·958	9·118	0 35 59	U.
Feb. 15.	Nyāwee	7 23 52	111 29 15	28 59·9	8·040	9·193	0 29 25	U.
Feb. 22.	Bankāwa, Solo river	7 00 26	112 21 00	27 47·3	8·025	9·072	0 28 38	U.
Feb. 25.	Soorabāya	7 16 01	112 44 30	28 53·0	8·075	9·222	0 51 55	S. L.
March.	Sūmenap	7 00 26	113 51 15	27 45·8	8·048	9·096	0 44 15	S. L.
April.	Pulo Kuneeang	6 51 32	115 16 30	27 25·6	8·064	9·086	0 32 07	S. L.
Apr. 26.	Bezooki	7 43 29	113 42 45	27 07·5	8·011	9·000	0 29 59	S. L.
May.	Kedeeri	7 48 29	112 00 00	29 52·2	7·905	9·115	0 28 28	U.
May 21.	Patchitan	8 12 56	111 05 30	30 36·0	7·887	9·163	0 19 32	S. L.
June 1.	Munoori	7 35 22	110 04 00	29 20·5	7·960	9·130	0 18 18	U.
June 6.	Kārang Bolong	7 45 44	109 27 00	29 55·9	7·935	9·157	0 32 13	S. L.
June 9.	Chilācbap	7 44 29	108 57 15	29 45·8	7·915	9·118	0 36 57	S. L.
June 12.	Aji Bārang	2 24 49	109 03 30	27 22·1	.....	.....	0 54 38	U.
June 25.	Kandang Aur	6 23 46	108 04 30	.....	7·944	.....	0 18 13	S. L.
August.	Lampongs	5 26 12	105 20 15	26 15·7	7·916	8·827	1 12 30	S. L.
September.	Bencoolen	3 53 54	102 28 45	23 54·0	7·913	8·655	1 05 09	S. L.

* S.L. Sea level. † U.; height unknown. ‡ November 22nd, variation = 10′ 20″ E. and 23rd = 12′ 45″.
§ Pangerango, about 10,000 feet high. ‖ By morning sights 1° 33′ 30″. Afternoon 1° 31′ 17″, and by equal altitudes 1° 35′ 28″.
¶ This variation is different from the others, but by equal altitudes = 0° 57′ 26″ E.

TABLE H.

Date.	Station.	Latitude.	Longitude.	Dip corrected to Jan. 1, 1848.	Horizontal Intensity.	Total Intensity.	Variation.	Altitude above sea level.
October, 1847	Padang	0° 58′ 58″ S.	100° 31′ 15″ E.	18° 32·2 S.	7·962	8·397	1° 24′ 26″ E.	S. L.
Nov. 1 and 2.	Solok	0 47 05	100 55 45	17 50·8	.....	.....	1 39 05	1232
Nov. 5.	Sijonjong	0 41 47	101 19 30	17 49·8	.....	.....	1 21 38	458
Nov. 8.	Bua Pānjāng	0 28 09	101 08 00	17 11·4	.....	.....	1 22 29	U.
Nov. 10.	Pāyacombo	0 13 16	101 04 45	16 38·2	.....	.....	1 29 46	1631
Nov. 11.	Fort Vande Capellen	0 27 34	101 03 00	17 12·3	.....	.....	1 28 13	U.
Nov. 14.	Padang Panjang	0 22 00?	100 42 30	17 47·5	.....	.....	1 33 30	2559
Nov. 16.	Fort de Kock	0 13 00?	100 27 15	16 59·6	.....	.....	1 09 23	3043
Nov. 17.	Menindjo	0 13 00	100 14 00	17 00·8	.....	.....	1 31 48	1492
Nov. 18.	Balembangan	0 11 44	100 10 15	16 47·3	.....	.....	1 36 39	2583
Nov. 19.	Peesang	0 07 55	100 12 00	16 33·4	.....	.....	1 46 33	U.
Nov. 20.	Bonjol	0 00 52	100 13 30	16 38·5	.....	.....	1 35 30	650
Nov. 21.	Loobisikapping	0 06 55? N.	.....	16 08·3	.....	.....	.....	1475
Nov. 22.	Batoo Bedindi	0 16 00?	.....	15 49·2	.....	.....	1 35 45	909
Nov. 23.	Lender	0 24 24	100 04 00	15 35·2	.....	.....	.....	695
Nov. 24 and 25.	Rau	0 33 07	99 56 45	15 37·4	.....	.....	1 37 27	848
Nov. 26.	Pionghay	0 36 19	99 52 15	15 50·2	.....	.....	1 38 49	1756
Nov. 27.	Batong	0 39 00	99 47 15	15 41·5	.....	.....	.....	1941
Nov. 28.	Kotanopan	0 42 00	99 42 45	15 19·9	.....	.....	1 34 30	1420
Nov. 29.	Tāna Bātoo	0 44 26	99 30 45	15 03·1	.....	.....	.....	1707
Dec. 1.	Fort Elout	0 50 56	99 32 20	14 48·1	.....	.....	1 43 35	680
Dec. 3.	Singalāngan	1 14 48	.....	14 11·9	.....	.....	.....	U.
Dec. 6.	Padang Sidompang	1 22 33	99 22 45	13 47·0	.....	.....	.....	928
Dec. 12 to 16.	Sibogha	1 44 42	98 56 15	13 02·5	.....	.....	1 40 38	S. L.
Dec. 19 and 20.	Bāros	2 00 51	98 31 30	12 58·0	.....	.....	1 16 42	S. L
Dec. 23 to 25.	Sinkel	2 16 37	97 51 35	12 23·5	.....	.....	1 34 08	S. L.
Dec. 31.	Goonong Satoolie, Pulonias	1 17 35	97 40 50	14 05·8	.....	.....	1 43 38	S. L.
Jan. 10 to 13, 1848.	Nātal	0 33 44	99 20 15	15 32·4	.....	.....	1 28 08	S. L.
March 28.	Mount Ophir, near Malācca	2 22 00?	102 38 00?	9 55·1	8·255	8·380	.....	U*.
May 3 to 5.	Pulo Labooan	5 16 59·5	115 18 15	2 51·6	8·240	8·250	1 36 27	S. L.
May 25 and 26.	Sambooanga	6 54 20	122 13 45	1 18·2 N.	8·162	8·164	1 15 24	S. L.
June 21.	Keemah	1 21 55	125 07 59	11 01·4 S.	8·253	8·408	1 39 47	S. L.
June 27.	Tondāno	1 17 31	124 50 11	10 54·3	.....	.....	1 07 37	2240
June 29.	Manādo	1 29 11	124 51 11	10 43·6	.....	.....	1 26 16	S. L.
Aug. and Sept.	Cocos	12 05 38 S.	96 50 30	39 18·5	7·2745	9·400	1 10 42 W.	S. L.
January 2, 1849	Malacca	2 11 19 N.	102 17 00	11 25·2	8·114	8·278	1 50 24 E.	S. L.
Jan. 10.	Pulo Dinding	4 12 47	100 32 52	7 31·2	8·117	8·187	1 48 34	S. L.
Jan. 20.	Pulo Penang	5 25 36	100 24 38	4 52·8	8·159	8·189	1 48 48	S. L.
Feb. 5 to 12.	Nicobar	9 10 12	92 48 23	1 14·8 N.	8·155	8·157	1 53 21	S. L.
Feb. 17.	Noncowry Harbour	8 01 42	93 39 20	0 54·4 S.	.....	.....	.....	U.
Feb. 19.	Bompoko	8 14 05	93 19 20	0 22·9	.....	.....	.....	S. L.
Mar. 26.	Hastings' Island	10 06 45	98 21 15	4 19·0 N.	8·1772	8·200	2 13 10	S. L.
April.	Moulmein	16 29 46	97 45 30	17 45·6	8·1186	8·525	2 20 25	S. L.
July and August.	Madras	13 04 09?	80 16 00	7 34·2	8·0784	8·149	0 56 08	S. L.

* Mount Ophir, about 6000 feet high.

TABLE I.

Observations at Sea.

Abstract of Three Hourly Observations made at Sea.

Astronomical Mean Time.	15.	18.	21.	Noon.	3.	6.	9.	Mean.
Observations made during the Month of April, 1848, corresponding to a Mean Latitude of 2° 42′ N.; Mean Longitude 108° 03′ E. Mean date April 27.								
Dry Thermometer, mean of 5 days	83·4	82·7	83·9	86·5	88·3	85·0	84·4	84·9
Wet Thermometer, mean of 5 days	79·5	79·2	79·1	80·5	82·0	79·3	79·8	79·9
Standard Thermometer, mean of 5 days	83·5	83·2	83·6	86·2	88·0	85·4	84·5	85·0
Temperature of the Air, mean of 5 days	.....	83·4	83·8	85·0	86·8	.....	.....	84·8
Temperature of the Sea, mean of 3 days	.....	83·9	84·3	85·8	86·5	.....	.....	85·1
Observations made during the month of May, 1848, corresponding to a Mean Latitude of 7° 07′ N.; Mean Longitude =119° 50′ E. Mean date May 15.								
Dry Thermometer, mean of 12 days	83·1	82·7	84·9	88·1	89·2	86·3	84·6	85·6
Wet Thermometer, mean of 12 days	79·1	78·7	79·5	81·2	82·0	80·3	79·3	80·0
Standard Thermometer, mean of 12 days	83·4	82·6	84·4	87·5	89·5	87·1	85·0	85·7
Temperature of the Air, mean of 10 days	.....	83·2	85·3	87·8	88·1	.....	.....	86·1
Temperature of the Sea, mean of 10 days	.....	85·1	86·1	87·1	87·3	.....	.....	86·4
Observations made during the month of June, 1848, corresponding to a Mean Latitude of 3° 20′ N.; Mean Longitude 125° 00′ E. Mean date June 10.								
Dry Thermometer, mean of 14 days	81·5	81·3	82·8	85·3	85·6	83·9	82·7	83·3
Wet Thermometer, mean of 14 days	77·5	77·7	78·2	79·5	79·5	78·7	77·9	78·4
Standard Thermometer, mean of 14 days	81·8	81·3	82·4	84·9	85·5	84·6	83·1	83·4
Temperature of the Air, mean of 14 days	81·0	81·8	83·4	85·7	85·3	84·2	.....	83·8
Temperature of the Sea, mean of 14 days	82·4	84·1	84·4	85·6	85·2	84·9	.....	84·7
Observations made during the Month of July, 1848, corresponding to a Mean Latitude of 2° 55′ S.; Mean Longitude 126° 00′ E. Mean date July 17.								
Dry Thermometer, mean of 22 days	80·5	80·3	81·5	83·7	83·8	82·3	81·7	82·0
Wet Thermometer, mean of 22 days	77·1	77·4	77·0	78·4	78·3	77·6	77·5	77·6
Standard Thermometer, mean of 22 days	80·5	80·2	81·0	83·9	84·0	82·8	82·1	82·1
Temperature of the Air, mean of 22 days	80·8	80·6	81·6	84·2	84·2	82·8	82·2	82·4
Temperature of the Sea, mean of 22 days	80·7	81·8	82·5	83·7	83·5	82·9	82·1	82·5
Observations made during the Month of August, 1848, corresponding to a Mean Latitude of 6° 32′ S.; Mean Longitude 105° E. Mean date August 17.								
Dry Thermometer, mean of 9 days	79·5	79·0	82·0	84·3	83·3	81·9	80·8	81·6
Wet Thermometer, mean of 9 days	77·4	76·6	77·7	78·6	78·4	77·8	76·8	77·6
Standard Thermometer, mean of 9 days	79·3	78·9	81·5	84·2	83·5	81·9	81·1	81·5
Temperature of the Air, mean of 9 days	80·0	79·3	81·6	84·0	83·3	82·7	81·7	81·8
Temperature of the Sea, mean of 9 days	81·2	82·5	84·6	85·1	84·3	84·8	83·6	83·7

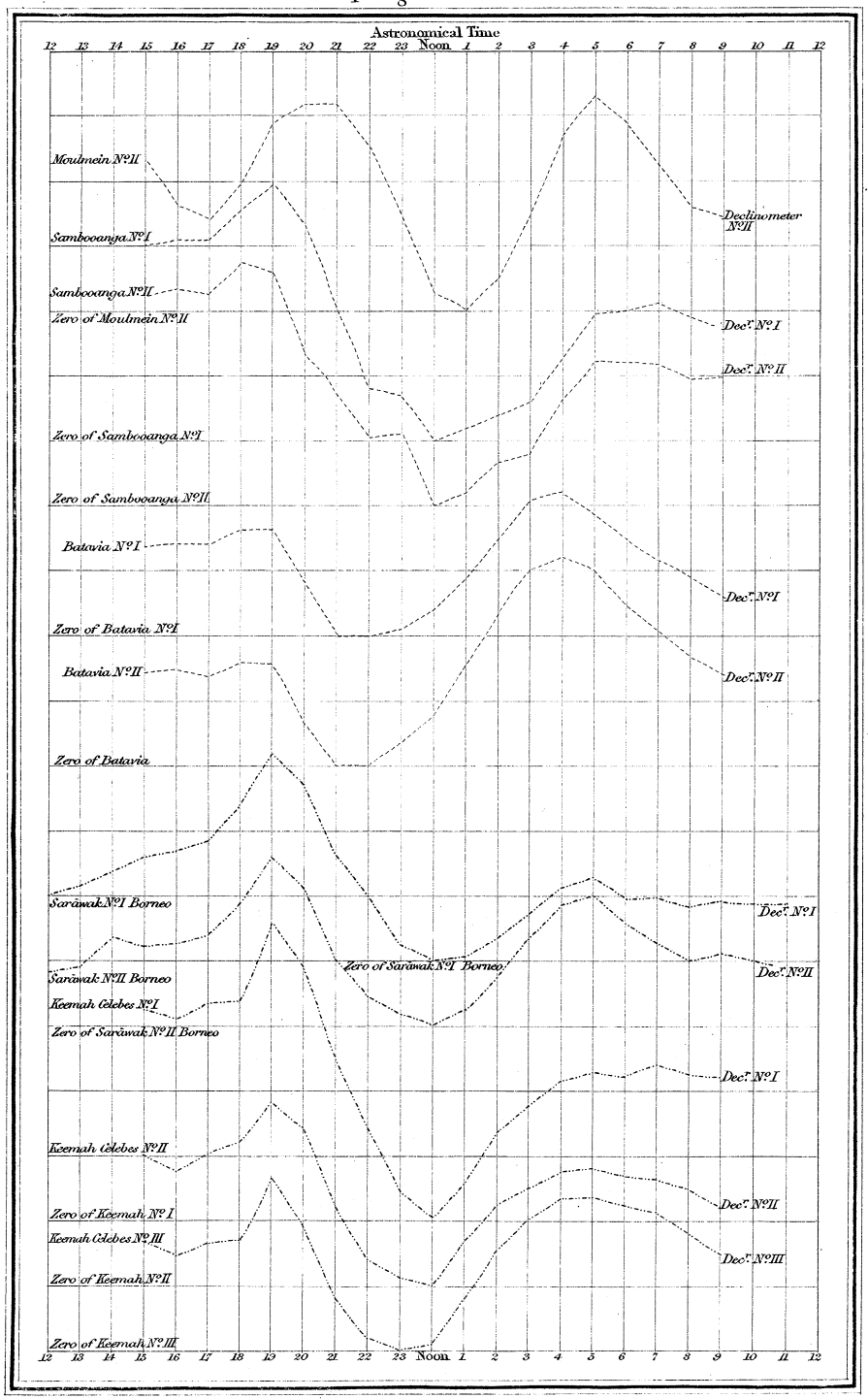
TABLE I.

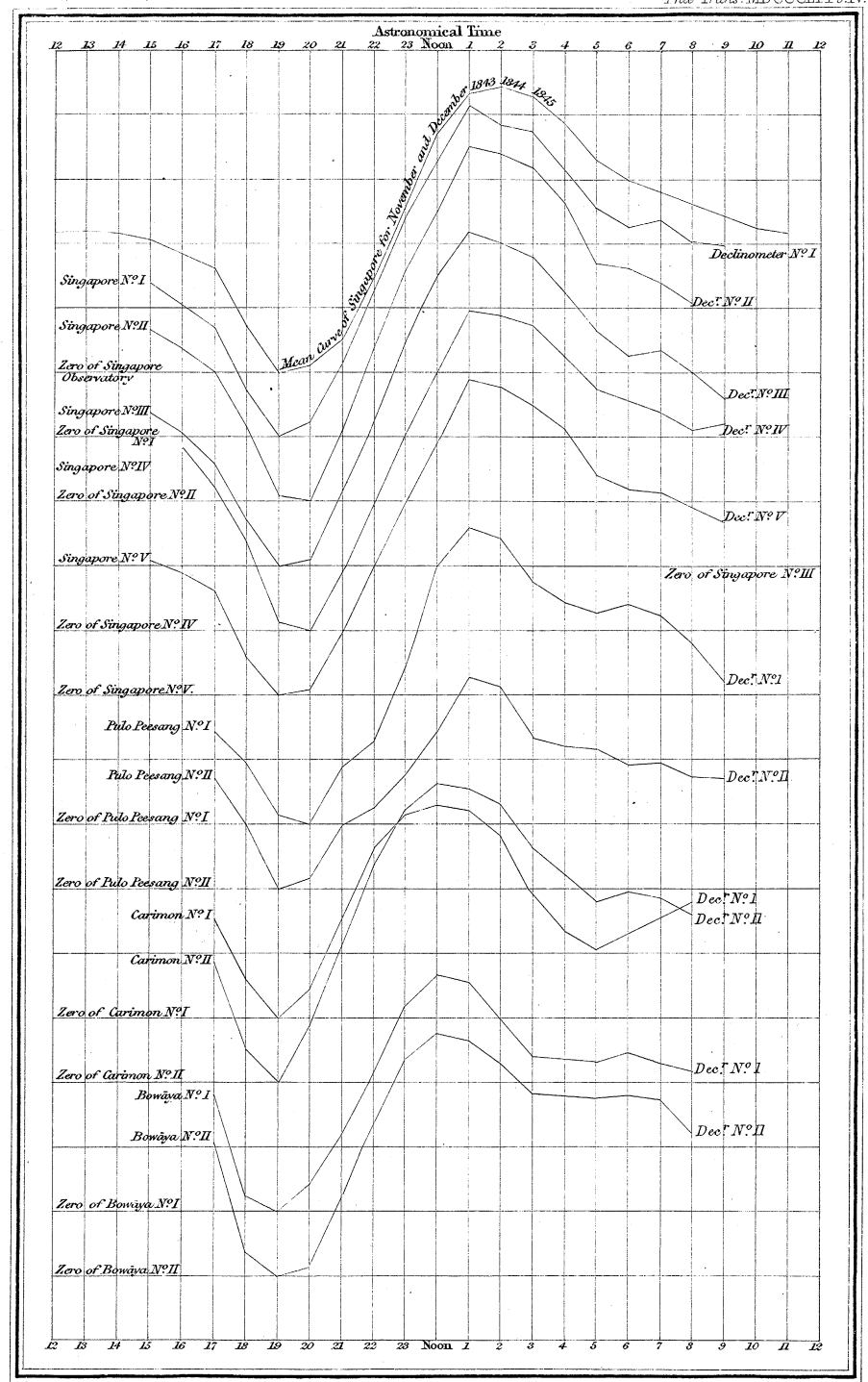
Astronomical Mean Time.	15.	18.	21.	Noon.	3.	6.	9.	Mean.
Observations made during the Month of October, 1848, corresponding to a Mean Latitude of 3° 00′ S.; Mean Longitude 103° 00′ E. Mean date October 10.								
Dry Thermometer, mean of 8 days	80·5	80·2	83·1	86·7	86·7	84·0	81·9	83·4
Wet Thermometer, mean of 8 days	77·1	76·4	78·3	80·0	79·7	78·3	77·0	78·2
Standard Thermometer, mean of 8 days	80·5	80·0	82·4	86·1	86·5	84·3	82·4	83·2
Temperature of the Air, mean of 8 days	80·9	80·5	83·9	87·6	87·1	83·2	82·3	83·8
Temperature of the Sea, mean of 8 days	83·4	84·0	84·4	86·2	86·1	84·7	84·6	84·8
Observations made during the Month of November, 1848, corresponding to a Mean Latitude of 0° 46′ N.; Mean Longitude 105° 20′ E. Mean date November 3.								
Dry Thermometer, mean of 4 days	81·4	82·2	81·7	83·1	84·8	83·8	82·4	82·8
Wet Thermometer, mean of 4 days	78·6	78·0	77·1	78·5	79·2	78·5	77·6	78·2
Standard Thermometer, mean of 4 days	81·2	82·0	81·2	82·9	83·9	84·2	82·5	82·5
Temperature of the Air, mean of 4 days	82·1	82·3	82·3	83·5	85·3	84·1	82·2	83·1
Temperature of the Sea, mean of 4 days	83·6	83·0	84·8	85·0	85·1	84·3	83·8	84·3
Observations made during the Month of February, 1849, corresponding to a Mean Latitude of 9° 00′ N.; Mean Longitude 92° 48′ E. Mean date February 20.								
Dry Thermometer, mean of 10 days	80·4	79·9	82·2	84·3	83·5	82·4	81·0	81·9
Wet Thermometer, mean of 10 days	75·8	75·0	75·7	76·9	75·8	75·8	75·4	75·8
Standard Thermometer, mean of 10 days	80·3	79·8	81·5	83·9	83·5	82·7	81·4	81·8
Observations made during the Month of March, 1849, corresponding to a Mean Latitude of 8° 06′; Mean Longitude 97° 34′ E. Mean date March 20.								
Dry Thermometer, mean of 15 days	83·1	82·4	84·4	86·8	87·4	84·8	84·1	84·7
Wet Thermometer, mean of 15 days	78·3	77·9	78·7	79·7	80·4	78·9	78·9	79·0
Standard Thermometer, mean of 15 days	83·0	82·3	83·9	86·3	87·4	85·1	84·0	84·6
Temperature of the Air, mean of 5 days	83·6	83·2	85·0	87·3	88·1	85·6	84·3	85·5
Temperature of the Sea, mean of 5 days	84·5	84·2	84·9	85·6	85·3	84·7	84·5	84·7
Observations made during the Month of April, 1849, corresponding to a Mean Latitude of 12° 25′ N.; Mean Longitude 97° 34′ E. Mean date April 4.								
Dry Thermometer, mean of 6 days	83·0	82·7	84·4	87·7	88·6	86·1	84·4	85·3
Wet Thermometer, mean of 6 days	78·3	78·0	79·3	80·9	81·1	80·3	78·5	79·5
Standard Thermometer, mean of 6 days	83·0	82·6	83·9	87·2	88·2	86·2	84·6	85·1
Temperature of the Air, mean of 6 days	82·6	82·5	85·0	87·1	88·2	85·3	84·5	85·1
Temperature of the Sea, mean of 6 days	84·2	84·8	85·4	86·3	86·3	85·6	84·0	85·3

Diurnal Oscillation of the Magnetic Declination at Various Stations in the Eastern Archipelago

PART 1. Spring and Summer

PART 2. Winter





J. & C. Walker Sculp.

Scale of 1′ of Arc to 0·35 of an Inch

The Curve Rising denotes a movement of the North Pole of the Magnet Eastward

Explanation: Winter Spring Summer

PART 1.

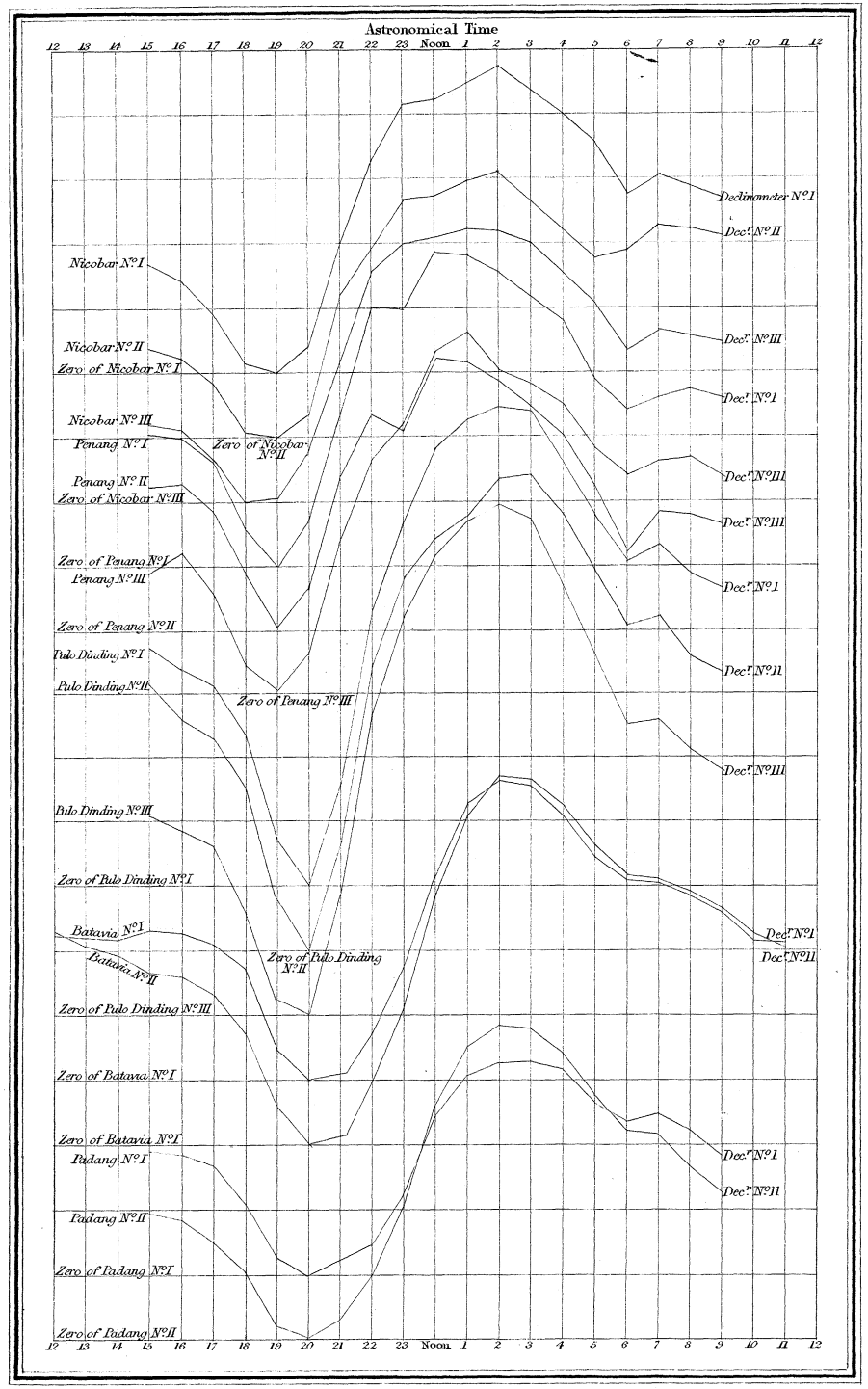
Diurnal Oscillation of the Magnetic Declination at Various Stations in the Eastern Archipelago

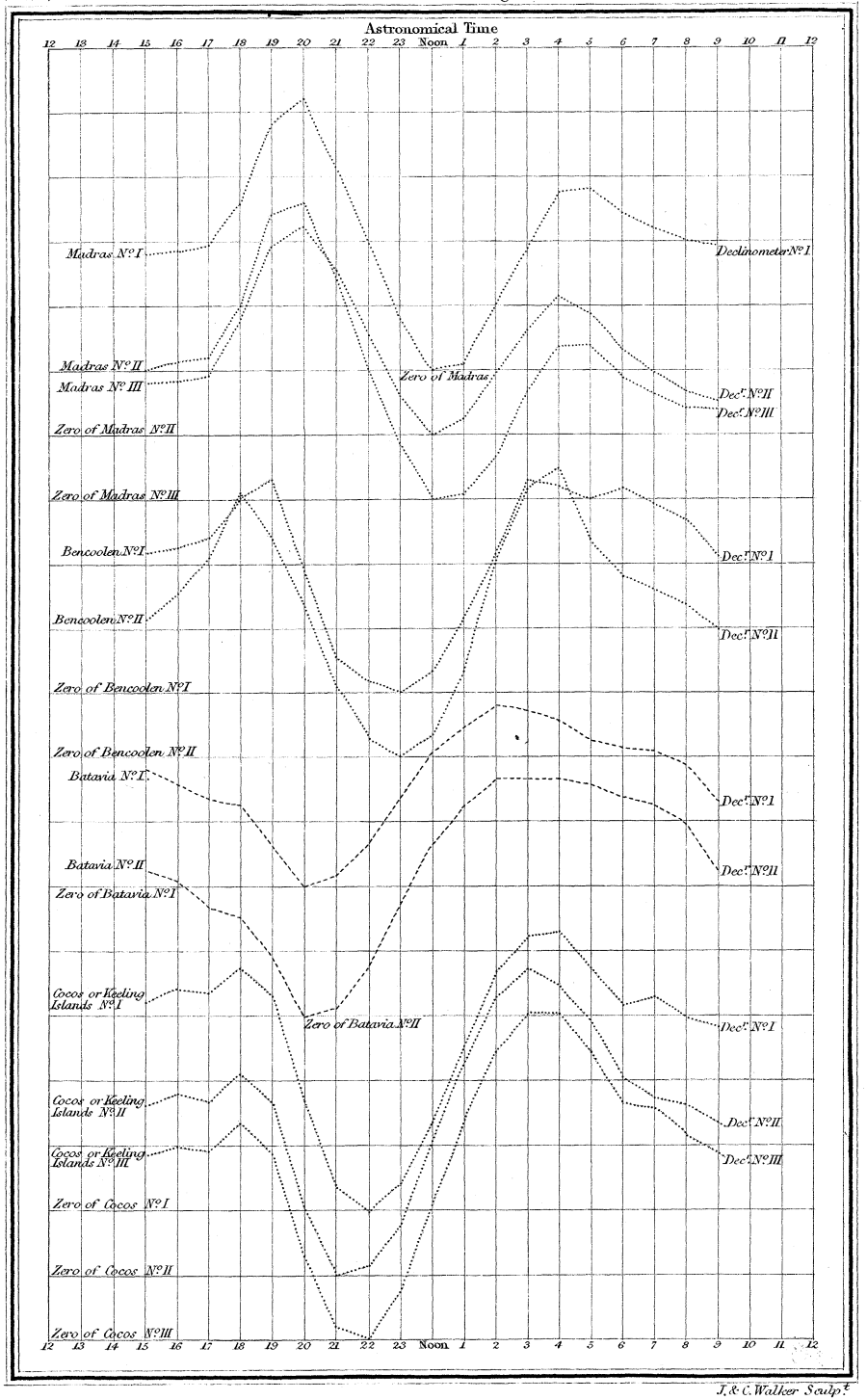
PART 2.

Winter

Equinoctial Months in Spring & Autumn

Phil. Trans. MDCCCLI Pl. V.





J. & C. Walker Sculp.t

Scale of 1′ of Arc to 0·35 of an Inch

The Curve rising denotes a movement of the North Pole of the Magnet Eastward

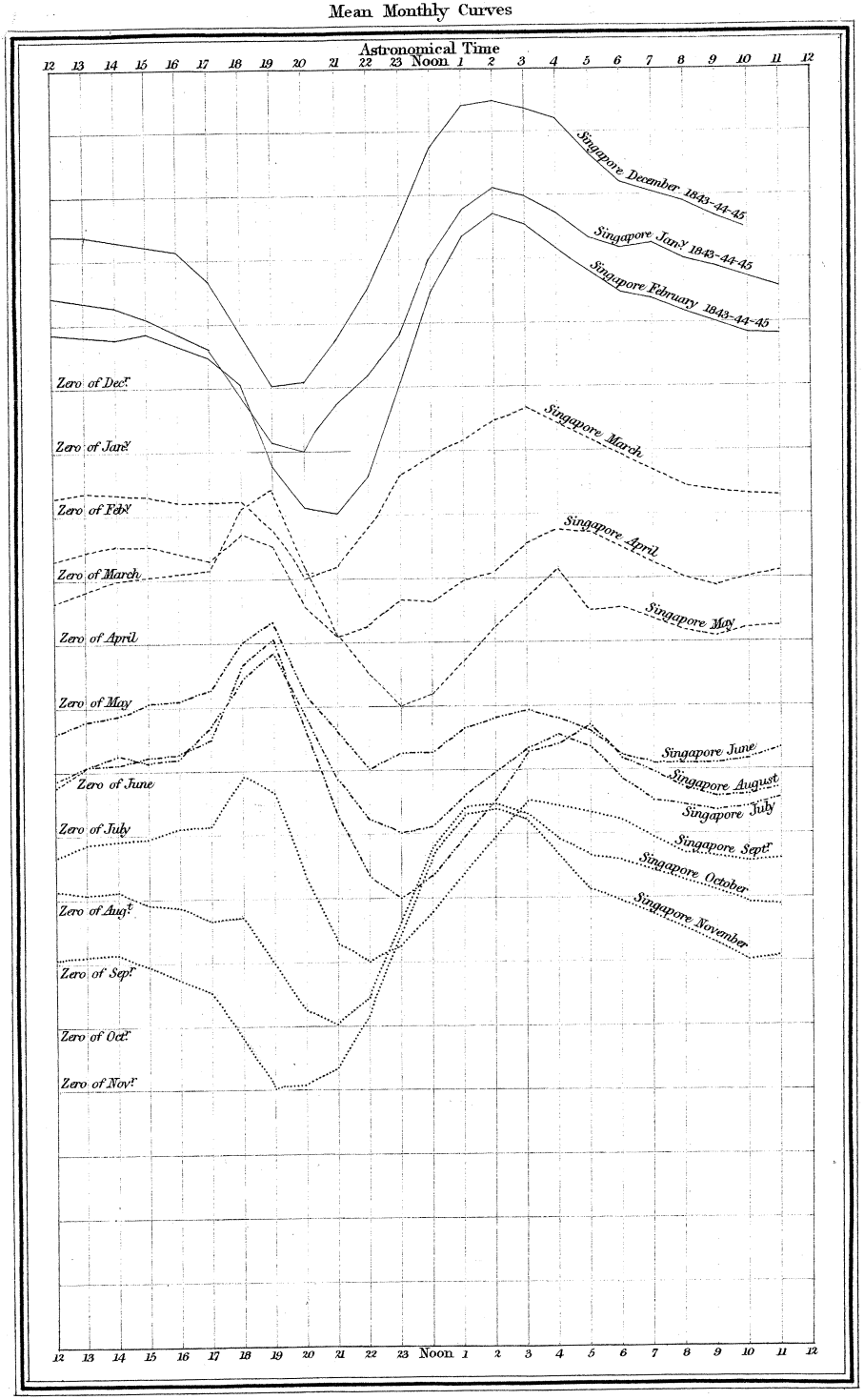
Explanation Winter Spring Autumn

PART 1

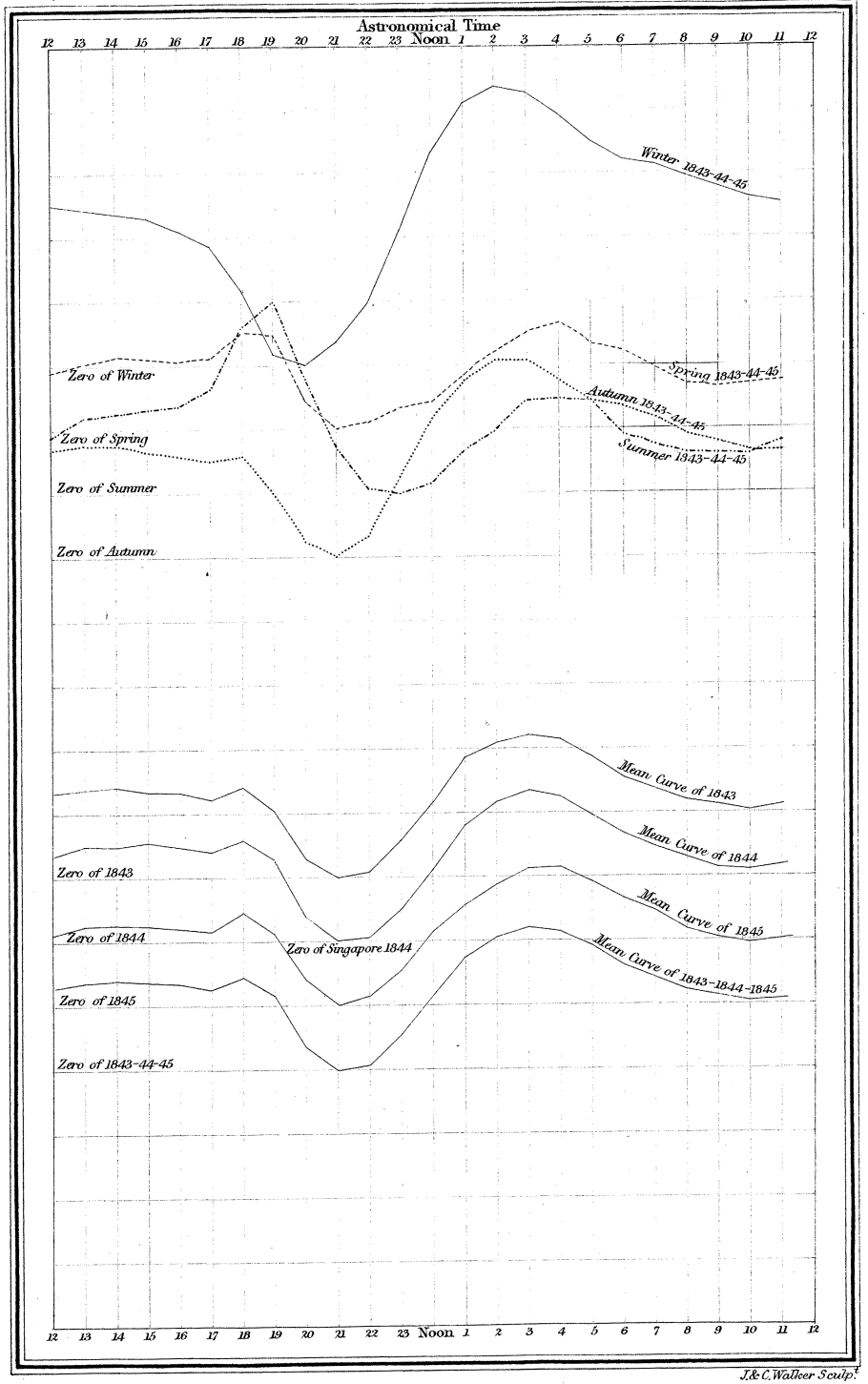
PART 2

Diurnal Oscillation of the Magnetic Declination at Singapore during the Years 1843, 1844, 1845.

Mean Monthly Curves



Mean of each of the four Seasons, and of each year, and of the General mean.



J. & C. Walker Sculp.t

Scale of 0·68 of Arc to 0·35 of an Inch

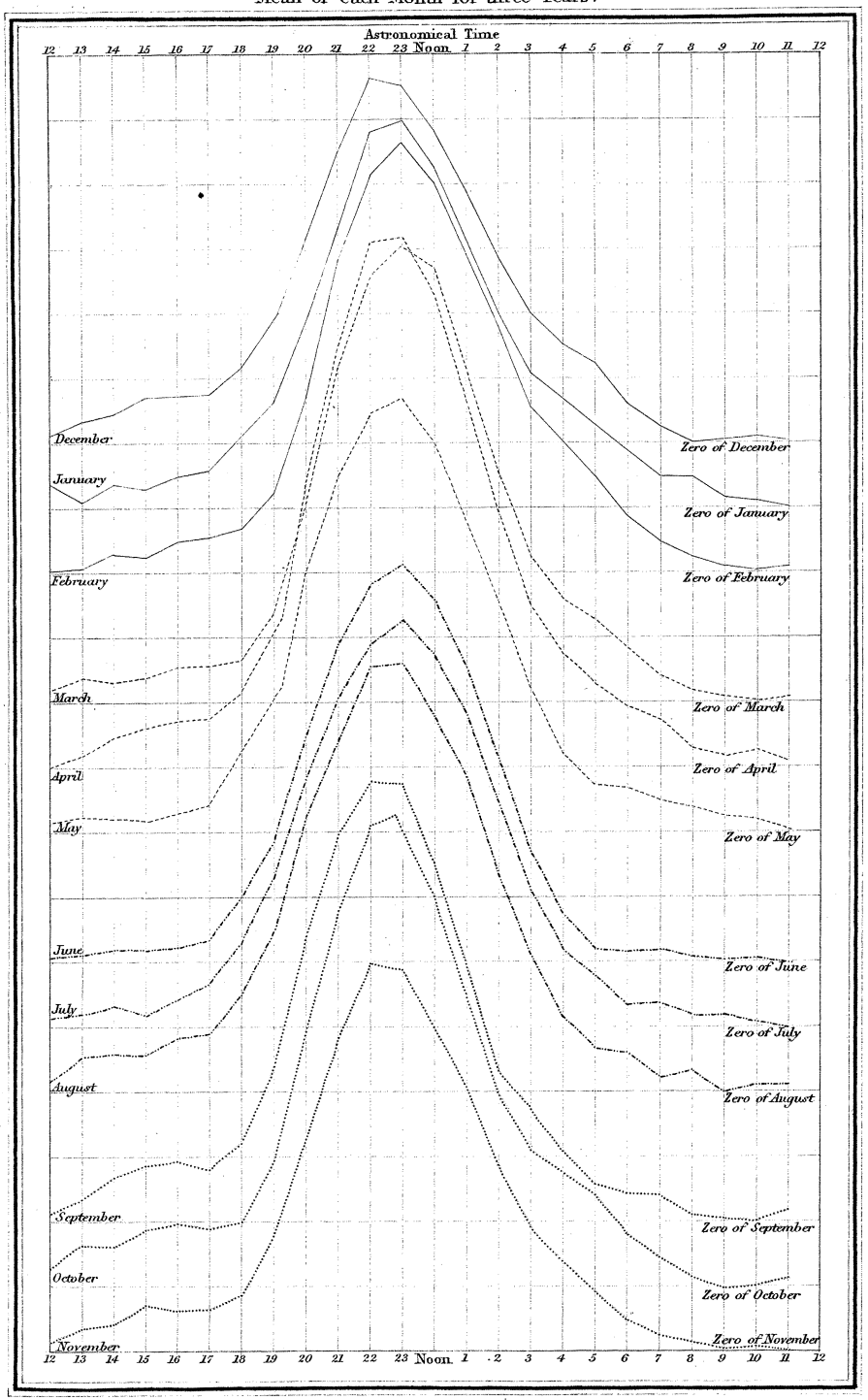
The Curve Rising denotes a movement of the North Pole of the Magnet Eastward

Explanation: Winter Spring Summer Autumn

Diurnal Oscillation in Scale Divisions of the Singapore Bifilar Magnetometer.

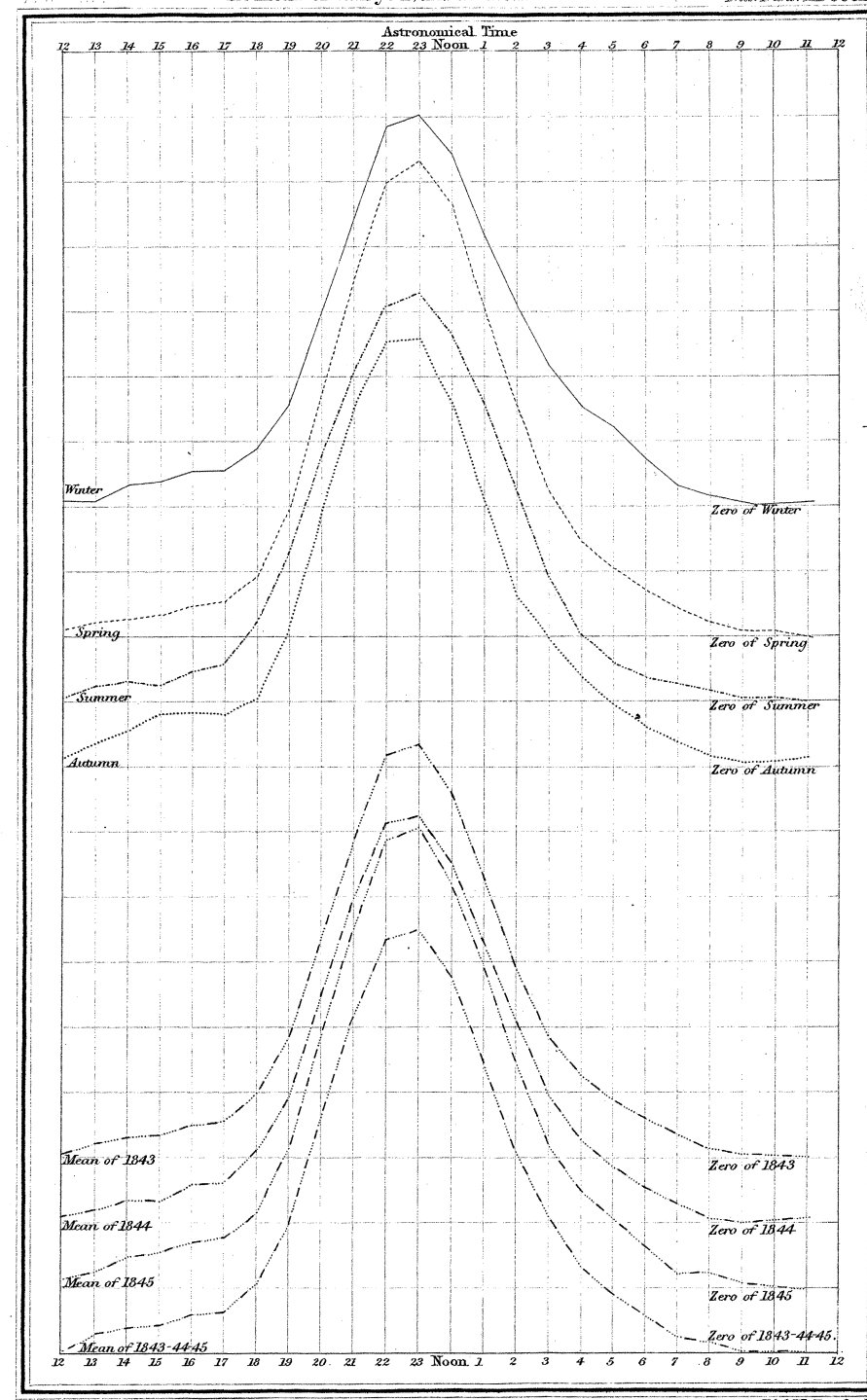
PART 1

Mean of each Month for three Years.



PART 2

Mean of each of the four Seasons for three Years, the mean of each year, and the mean of the three Years.



J&C. Walker Sculp.

One Scale Division ·000197 of the Force to 0·35 of an Inch

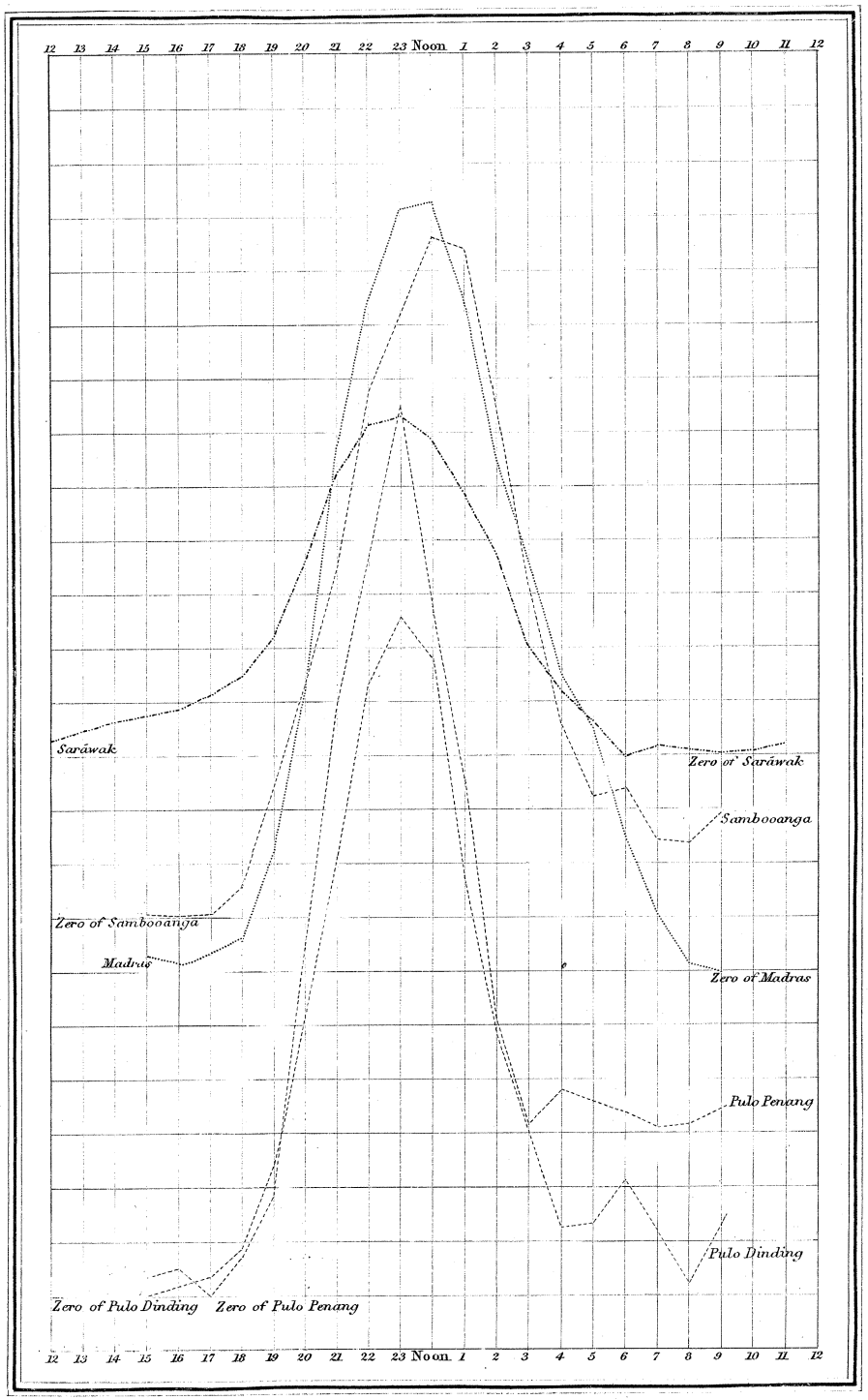
The Curve Rising denotes an increase of Horizontal Force

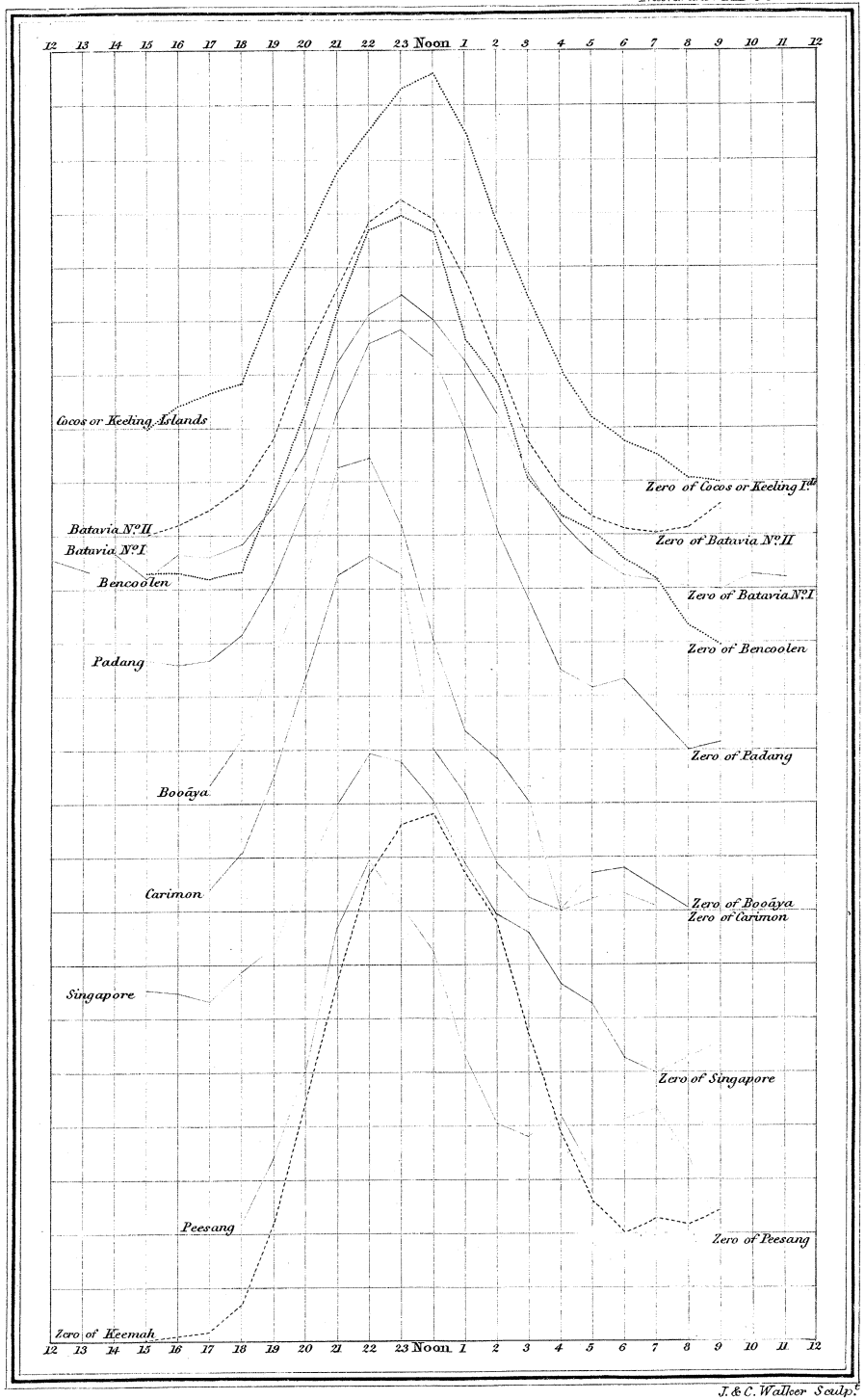
Explanation : Winter Spring Summer Autumn Yearly Curves

PART 1

PART 2

Diurnal Oscillation of the Portable Bifilar Magnetometer corrected, in Scale Division at Various Stations in the Eastern Archipelago.





J. & C. Walker Sculp.

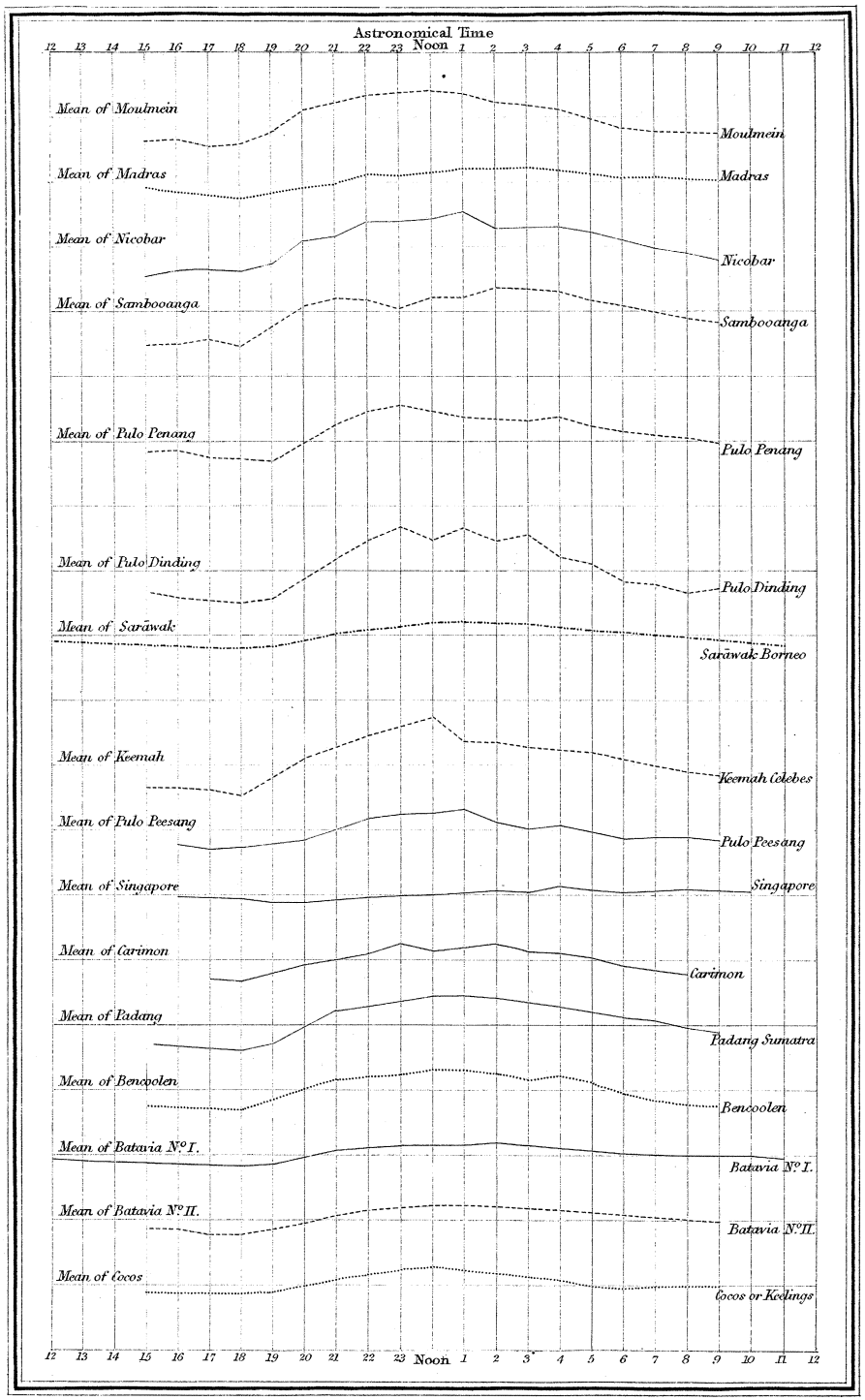
One Scale Division (=0·002402 of the Force) to 0·29 of an Inch

The Curve Rising denotes an Increase of Force

Explanation: Winter, Spring, Summer, Autumn

PART 1

Variation of the Wet Bulb Thermometer at various Stations in the Eastern Archipelago.



Scale of 10° of Wet Bulb to 0·35 of an Inch

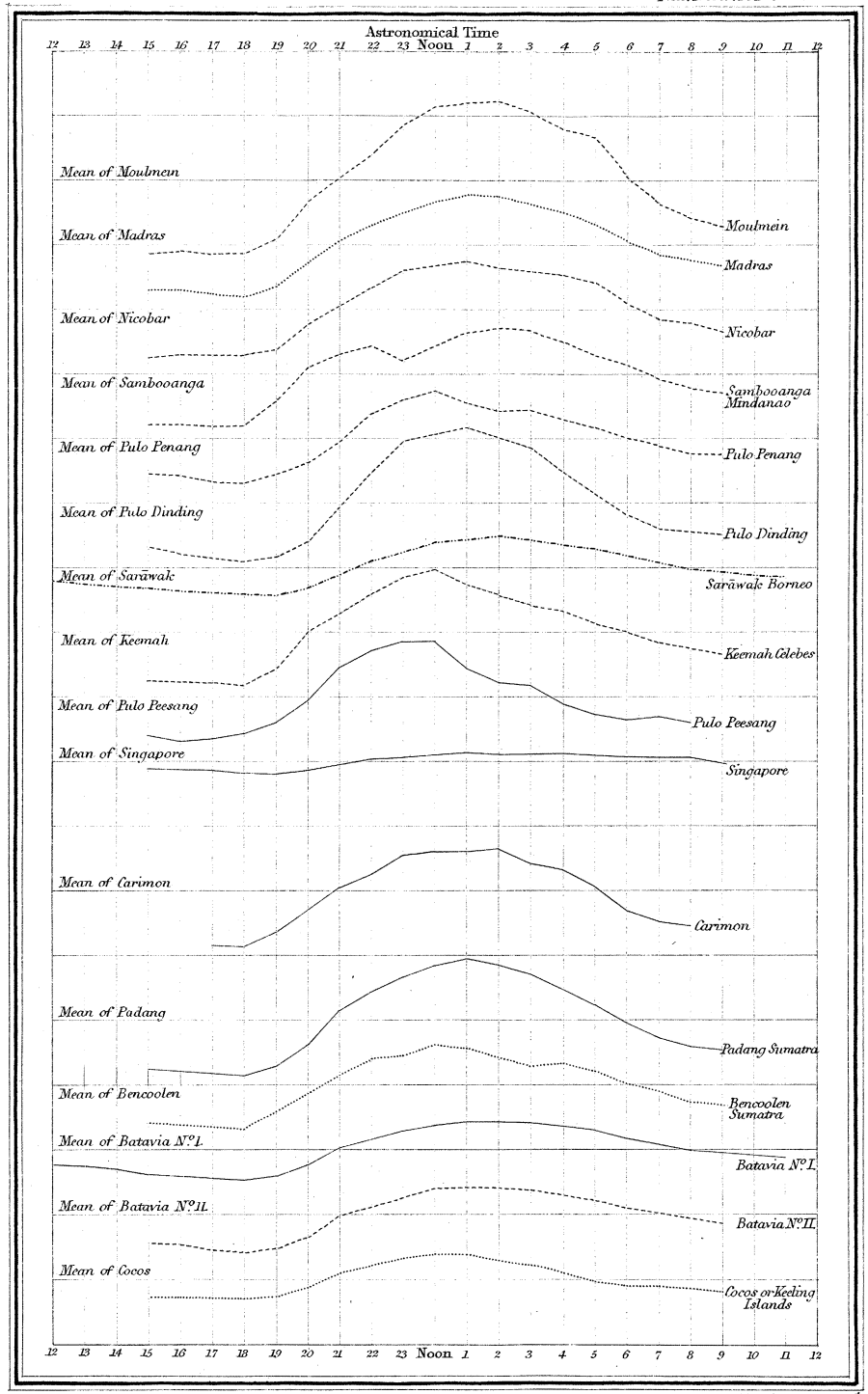
The curve rises with increase of Temperature

Explanation: ..... Summer ----- Spring ..... Autumn ⌇ Winter

PART 2

Variation of the Standard Thermometer at various Stations in the Eastern Archipelago.

Phil. Trans. MDCCCLI. Pl. IX.



J. & C. Walker Sculp.t

Scale of 10° of Temp.e to 0·35 of an Inch

The curve rises with increase of Temperature

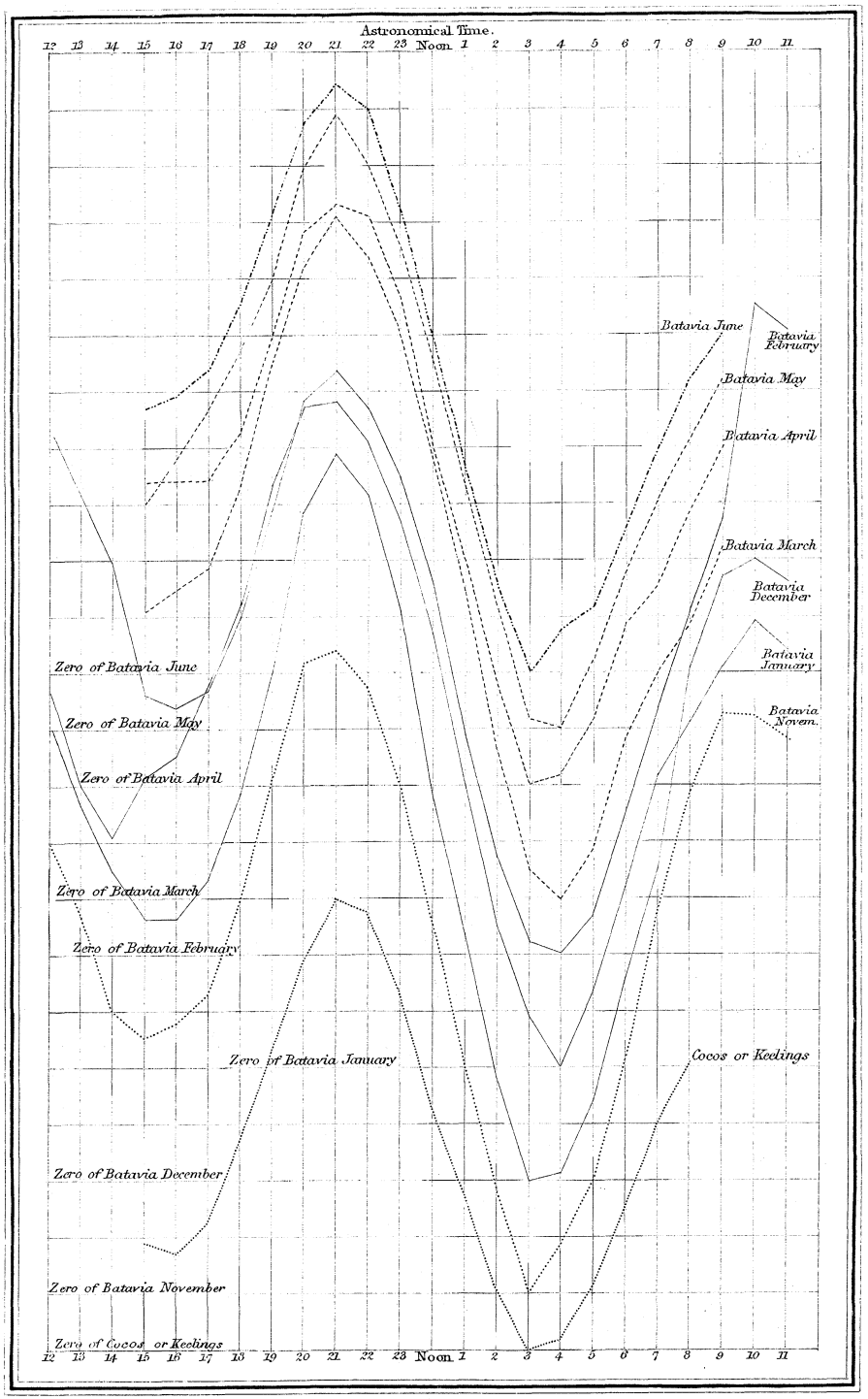
Explanation: ..... Summer ----- Spring ..... Autumn ⌇ Winter

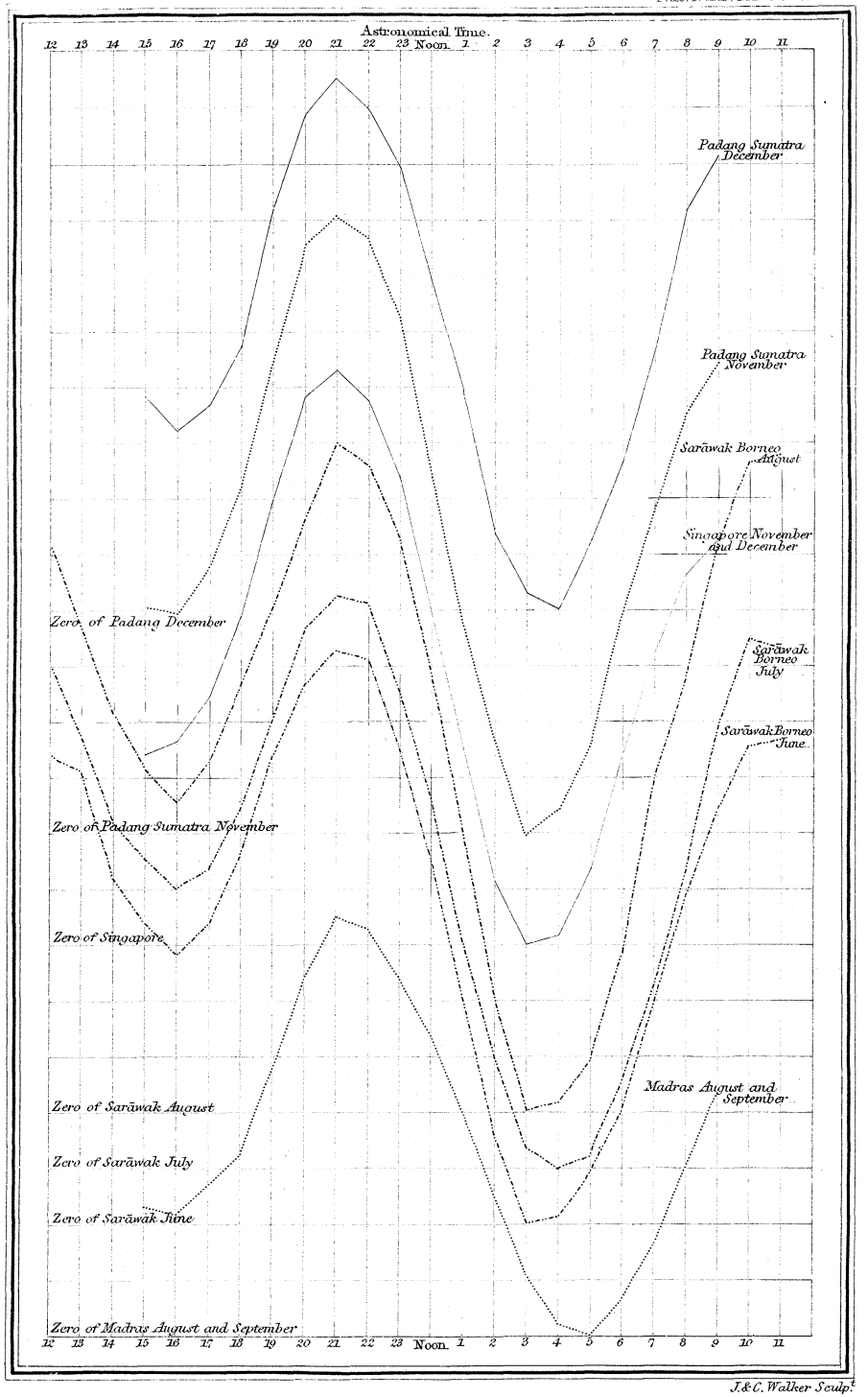
PART 1

PART 2

Variation of Barometer corrected to 32° at various Stations in the Eastern Archipelago.

Phil. Trans. MDCCCLI. Pl. X.





J. & C. Walker Sculp.t

Scale of 0·010 of an Inch of Barometeric Pressure to 0·30 of an Inch linear measure

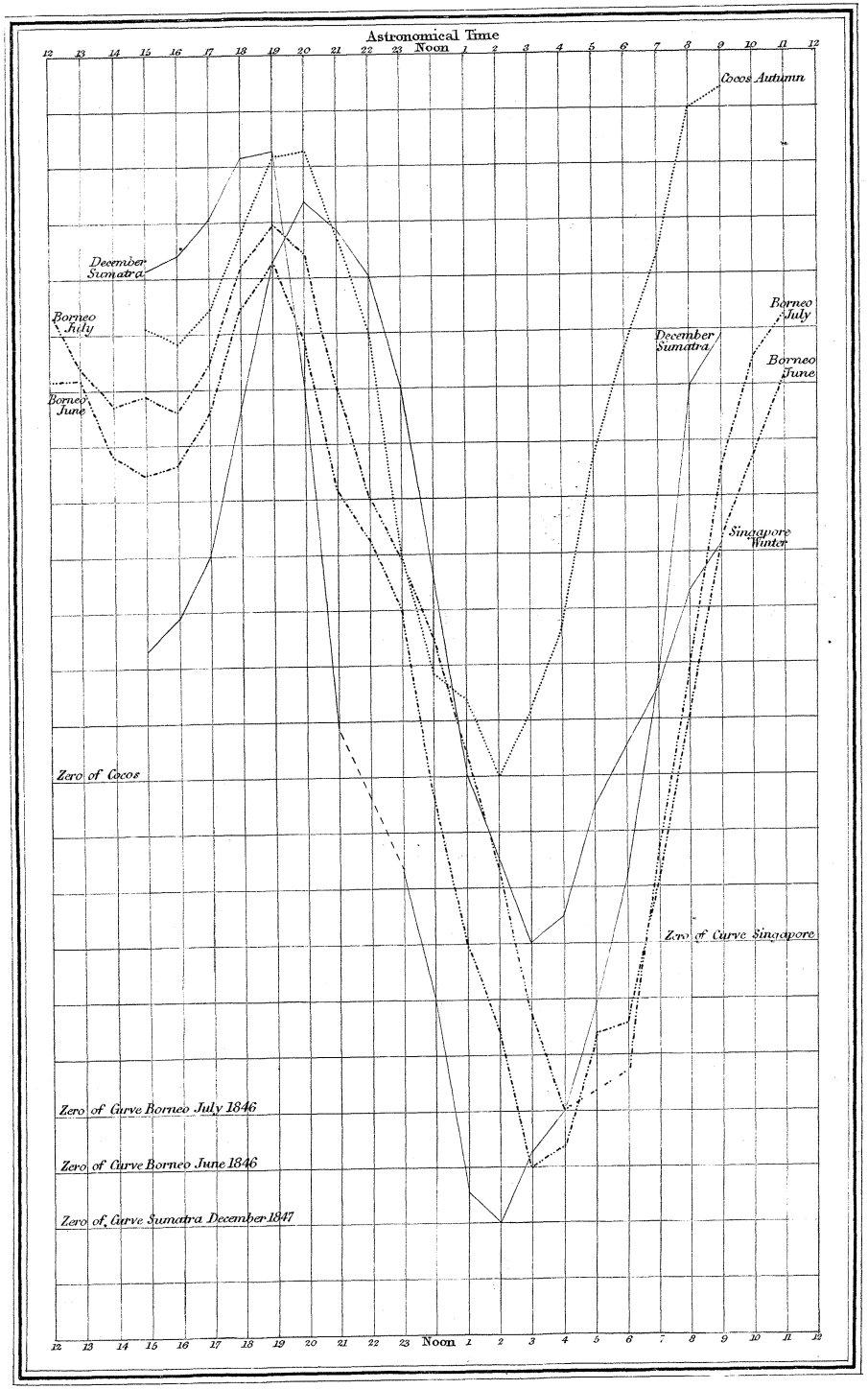
Explanation, ... Summer ------- Spring ..... Autumn ~~~~ Winter

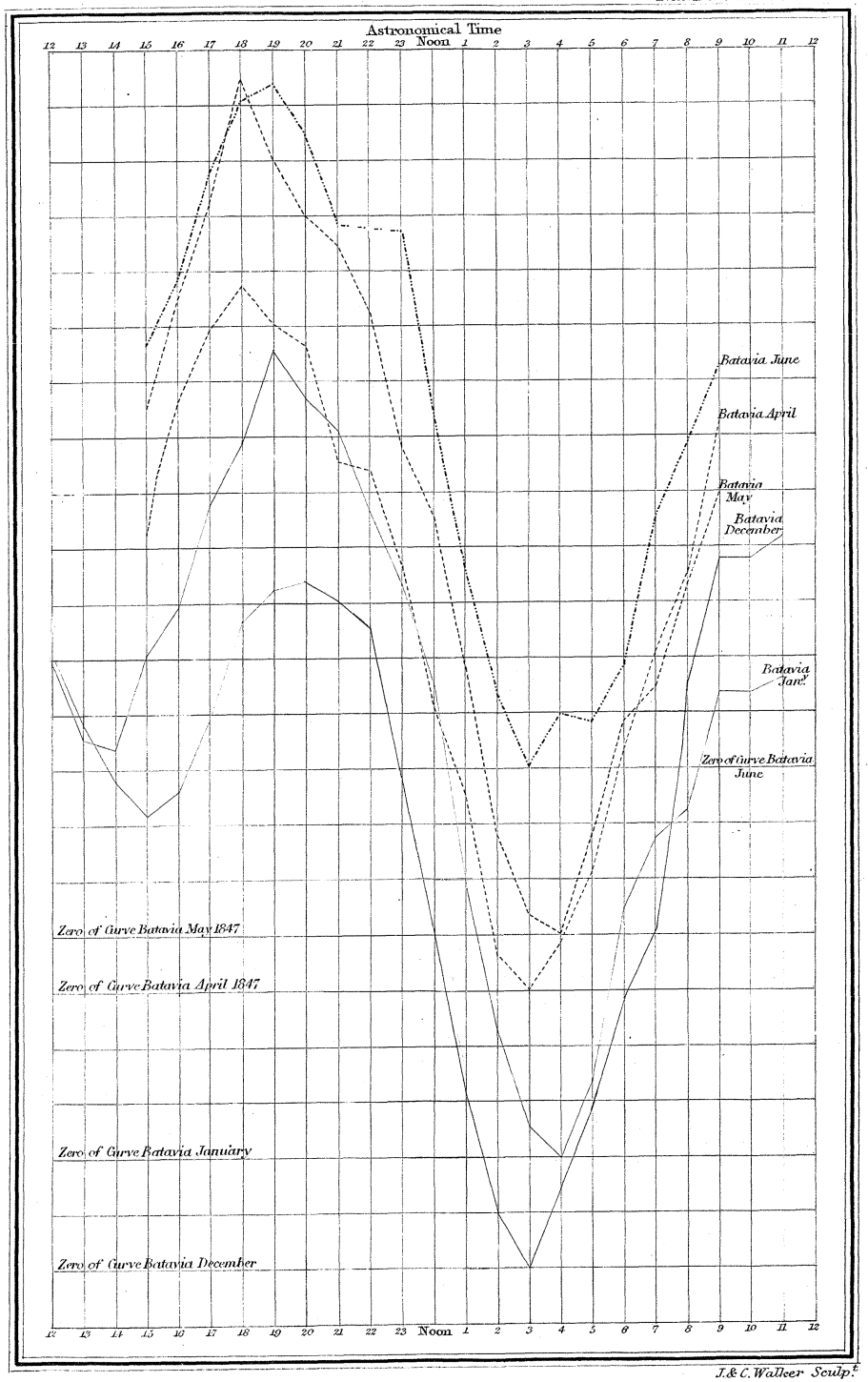
The Curve rising denotes an increase of Pressure

PART 1

PART 2

Variation of Gaseous Pressure at different Stations in the Eastern Archipelago



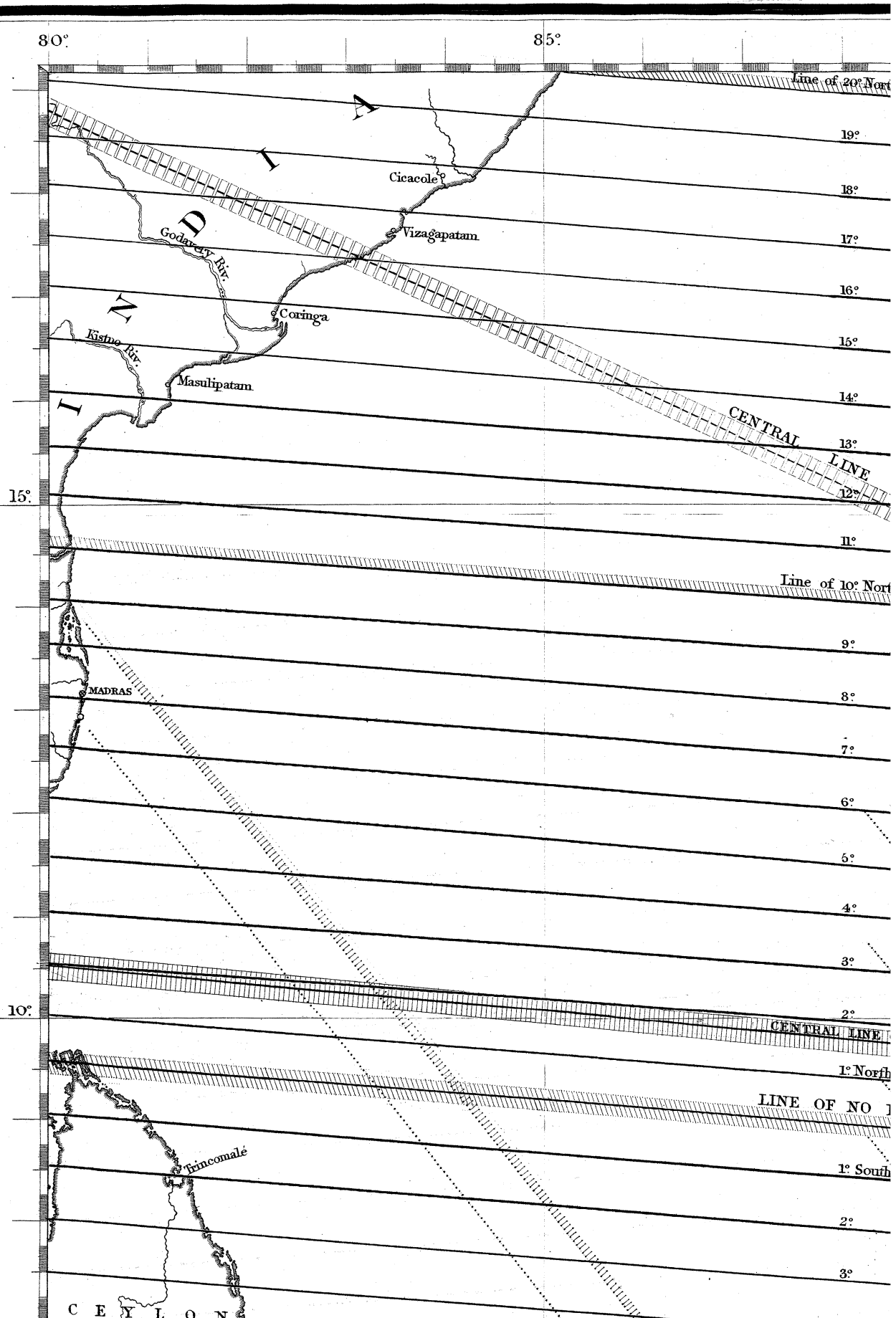


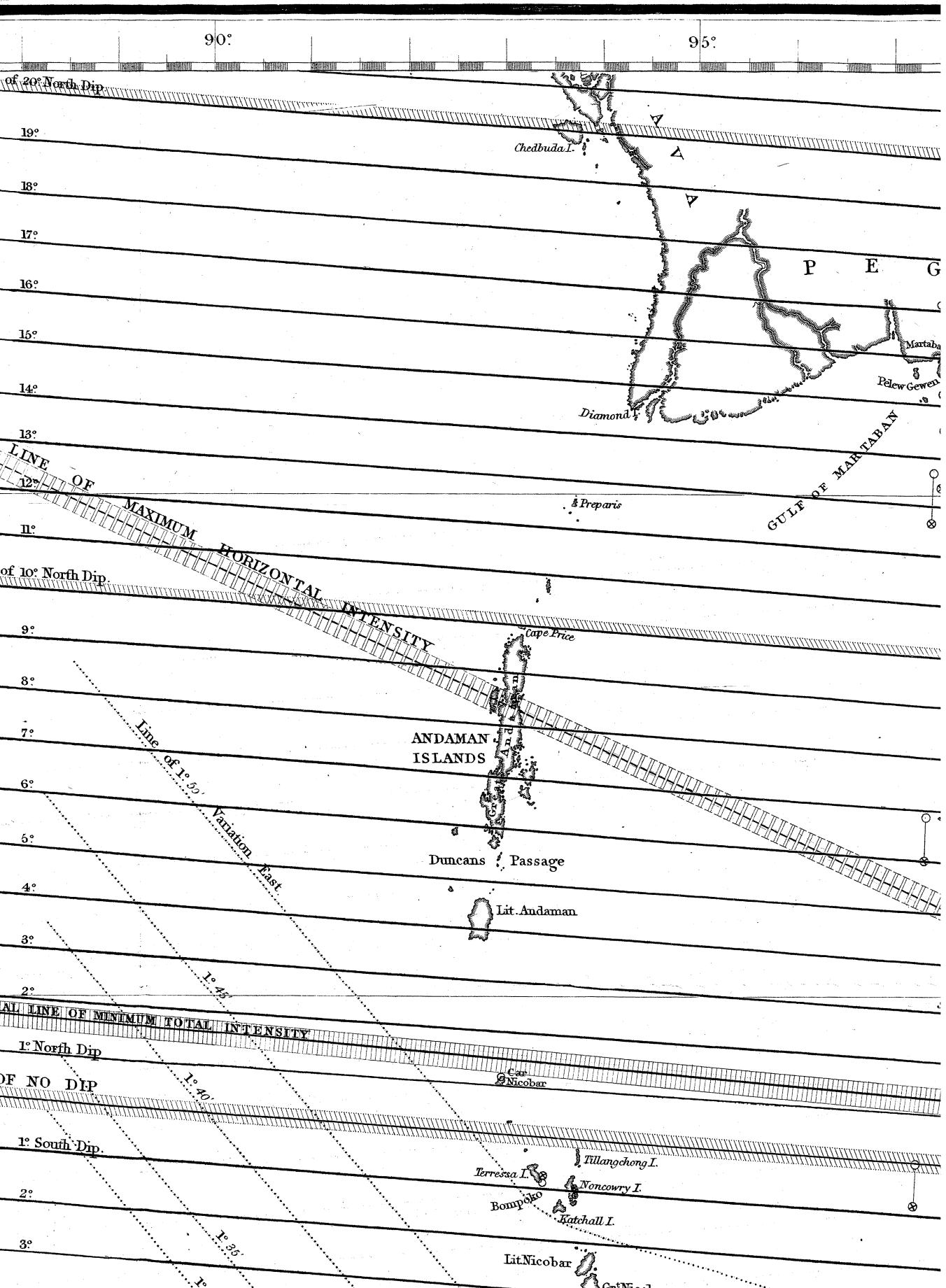
J. & C. Walker Sculp.t

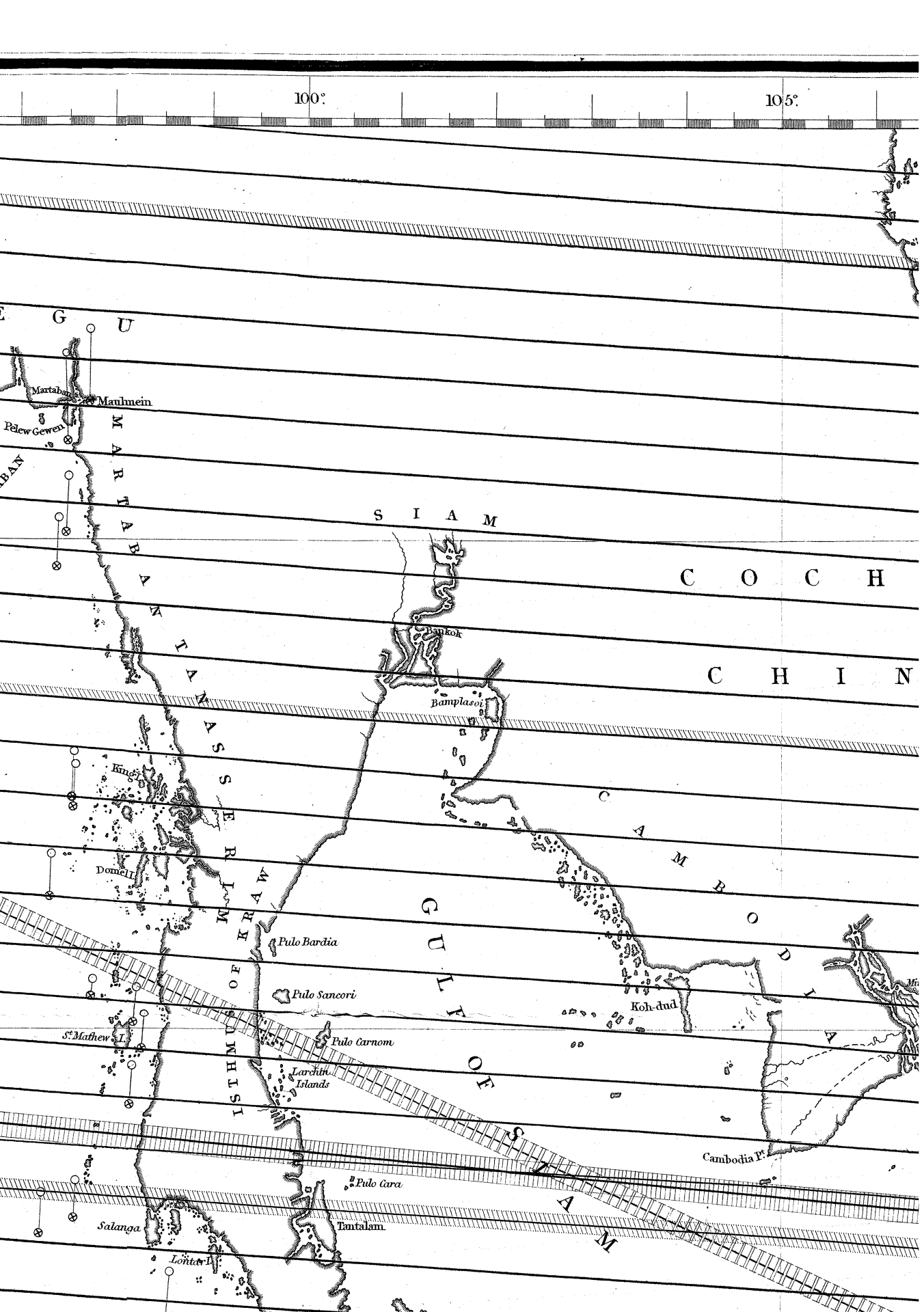
Scale of ·010 of an Inch of Pressure of Mercury to 0·30 of an inch linear measure.

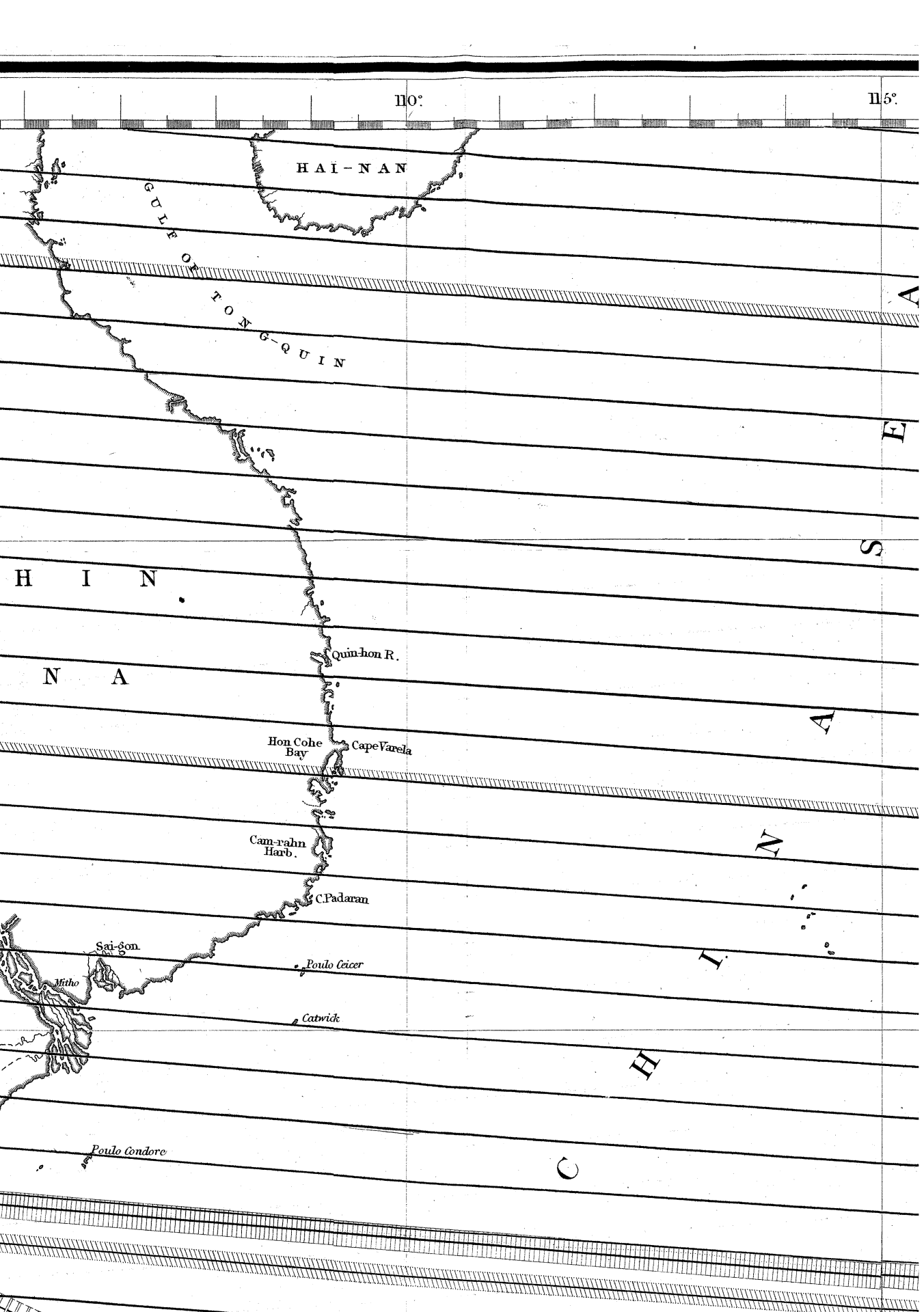
The Curve rises with increase of Pressure.

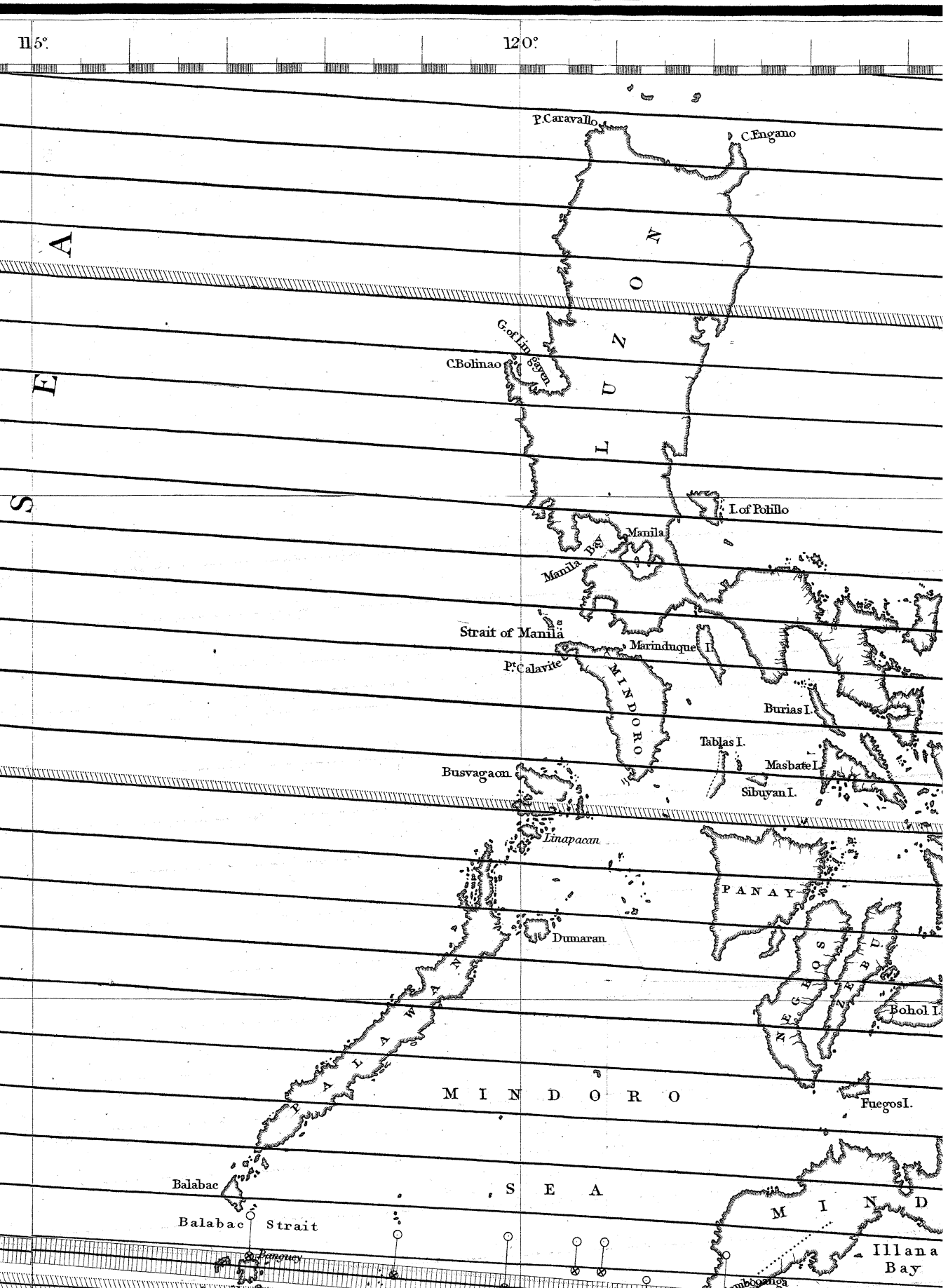
Explanation: ..... Winter. ..... Spring. ..... Summer. ..... Autumn.

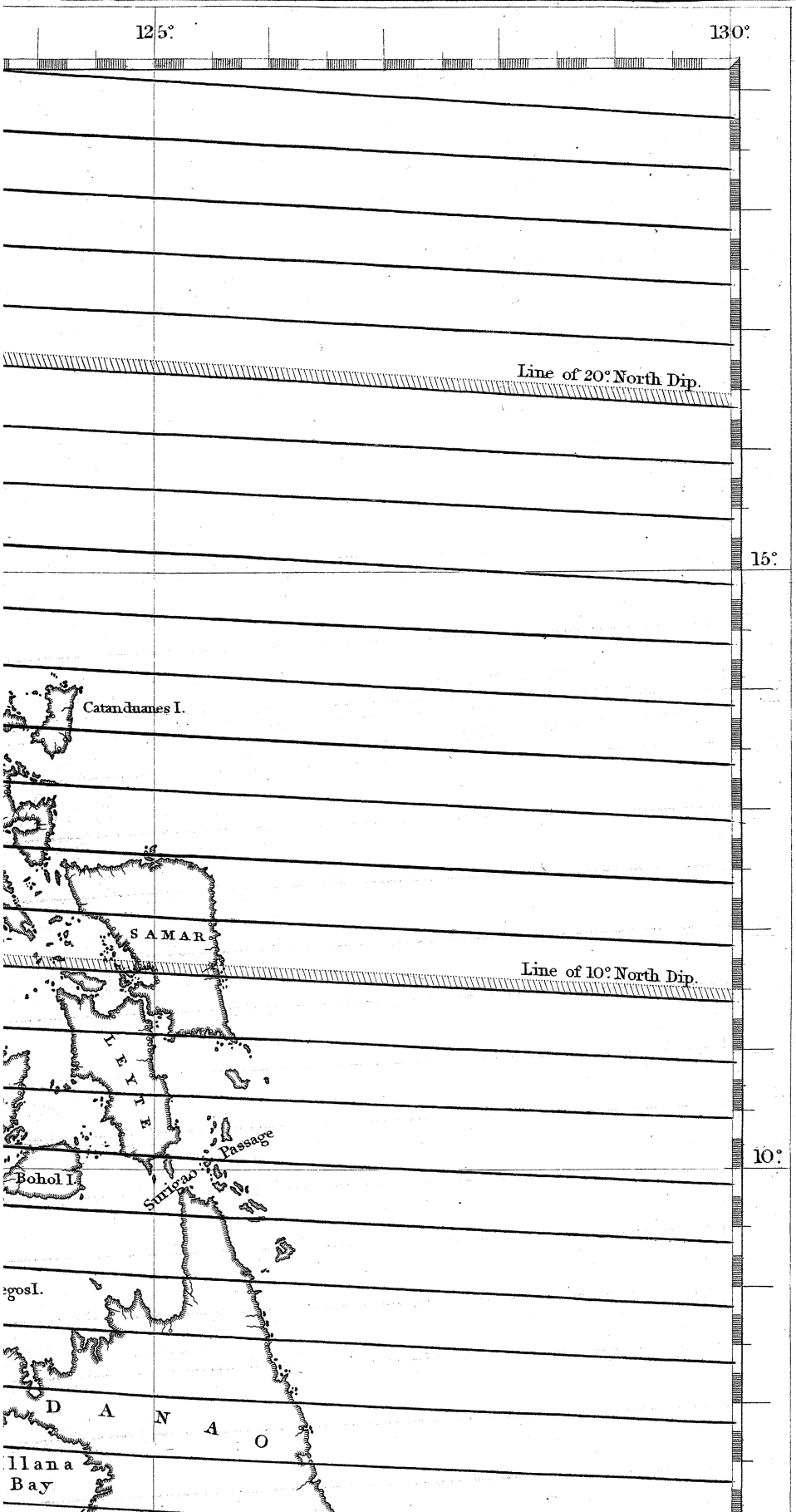

80°
85°
Line of 20° North
19°
18°
17°
16°
15°
14°
13°
12°
11°
Line of 10° North
9°
8°
7°
6°
5°
4°
3°
2°
1° North
1° South
2°
3°
INDIA
Cicacole
Vizagapatam
Godavery Riv.
Coringa
Kistna Riv.
Masulipatam
CENTRAL LINE
15°
MADRAS
10°
CENTRAL LINE
LINE OF NO
Trincomalé
CEYLON


90°
95°
of 20° North Dip.
19°
18°
17°
16°
15°
14°
13°
12°
11°
of 10° North Dip.
9°
8°
7°
6°
5°
4°
3°
2°
1° North Dip
1° South Dip.
2°
3°
Chedbuda I.
P E G
Martaba
Pelew Gewen
Diamond I.
GULF OF MARTABAN
Preparis
LINE OF MAXIMUM HORIZONTAL INTENSITY
Cape Price
ANDAMAN ISLANDS
Great Andaman
Line of 1° 50' Variation East
Duncans Passage
Lit. Andaman
1° 45'
AL LINE OF MINIMUM TOTAL INTENSITY
OF NO DIP
1° 40'
Car Nicobar
Tillangchong I.
Terressa I.
Noncowry I.
Bompoko
Katchall I.
1° 35'
Lit Nicobar


100°
105°
E G U
Martaban
Maulmein
Pelew Gewen
MARTABAN
SIAM
COCH
CHIN
Bankok
Bamplasoi
TAVAY
King's I.
Domel I.
ISTHMUS OF KRAW
CAMBODIA
Pulo Bardia
Pulo Sancori
Koh-dud
St. Mathew I.
Pulo Carnom
Larchin Islands
GULF OF SIAM
Cambodia Pt.
Pulo Cara
Salanga
Tantalam
Lontar I.


110°
115°
HAI-NAN
GULF OF TONG-QUIN
H I N
N A
Quin-hon R.
Hon Cohe Bay
Cape Varela
Cam-rahn Harb.
C. Padaran
Sai-gon
Mitho
Poulo Ceicer
Catwick
Poulo Condore
S E A
A S I A T I C


115°
120°
P.Caravallo
C.Engano
LUZON
G.of Lingayen
C.Bolinao
I.of Polillo
Manila
Manila Bay
Strait of Manila
Marinduque I.
Pt.Calavite
MINDORO
Burias I.
Tablas I.
Masbate I.
Sibuyan I.
Busvagaon.
Linapacan
PANAY
Dumaran
PALAWAN
Bohol I.
MINDORO
Fuegos I.
Balabac
Balabac Strait
Panguey
SEA
Illana Bay
SEA


125°
130°
Line of 20° North Dip.
15°
Catanduanes I.
SAMAR
Line of 10° North Dip.
LEYTE
Passage
10°
Bohol I.
Surigao
egos I.
D A N A O
llana
Bay

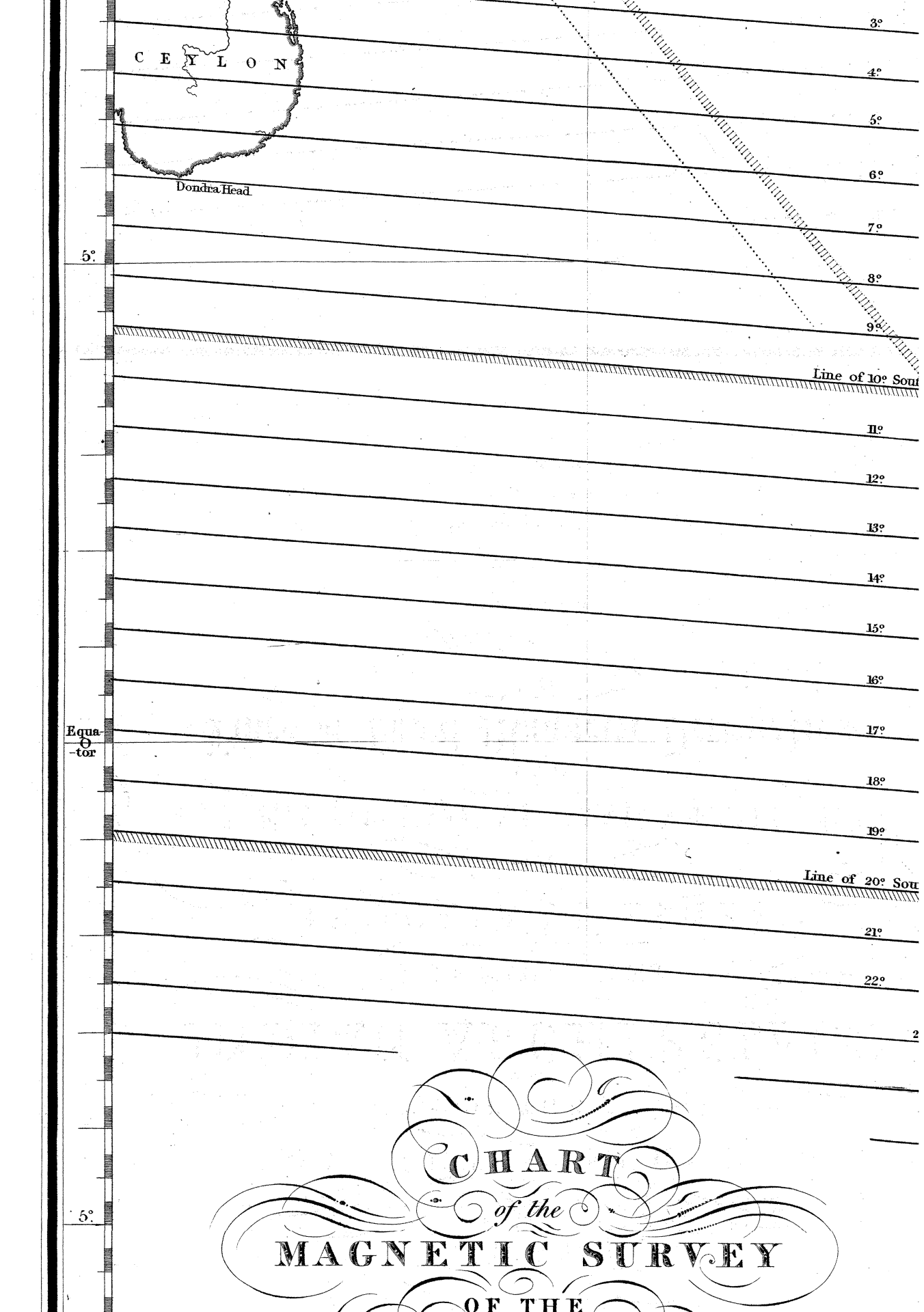
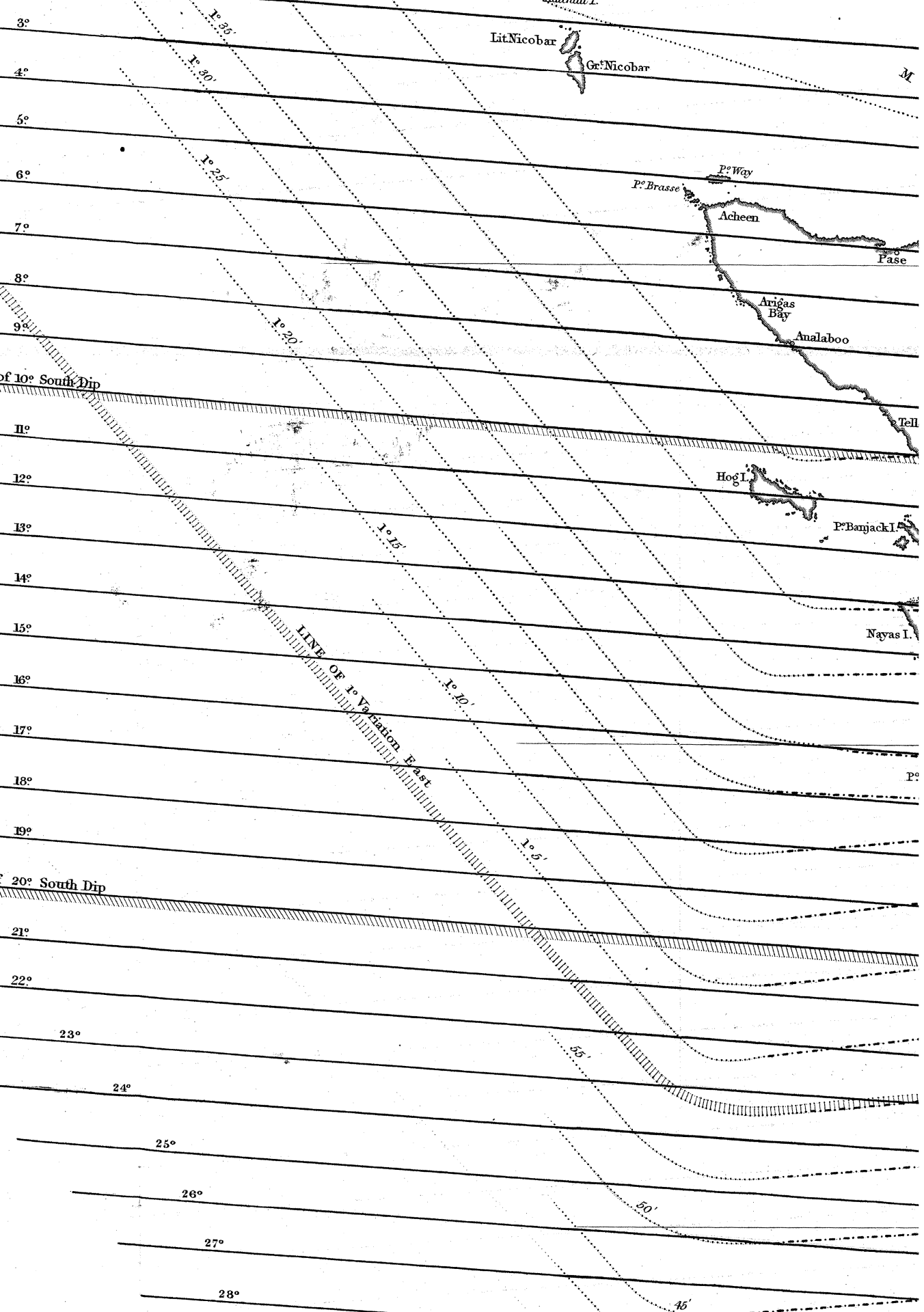
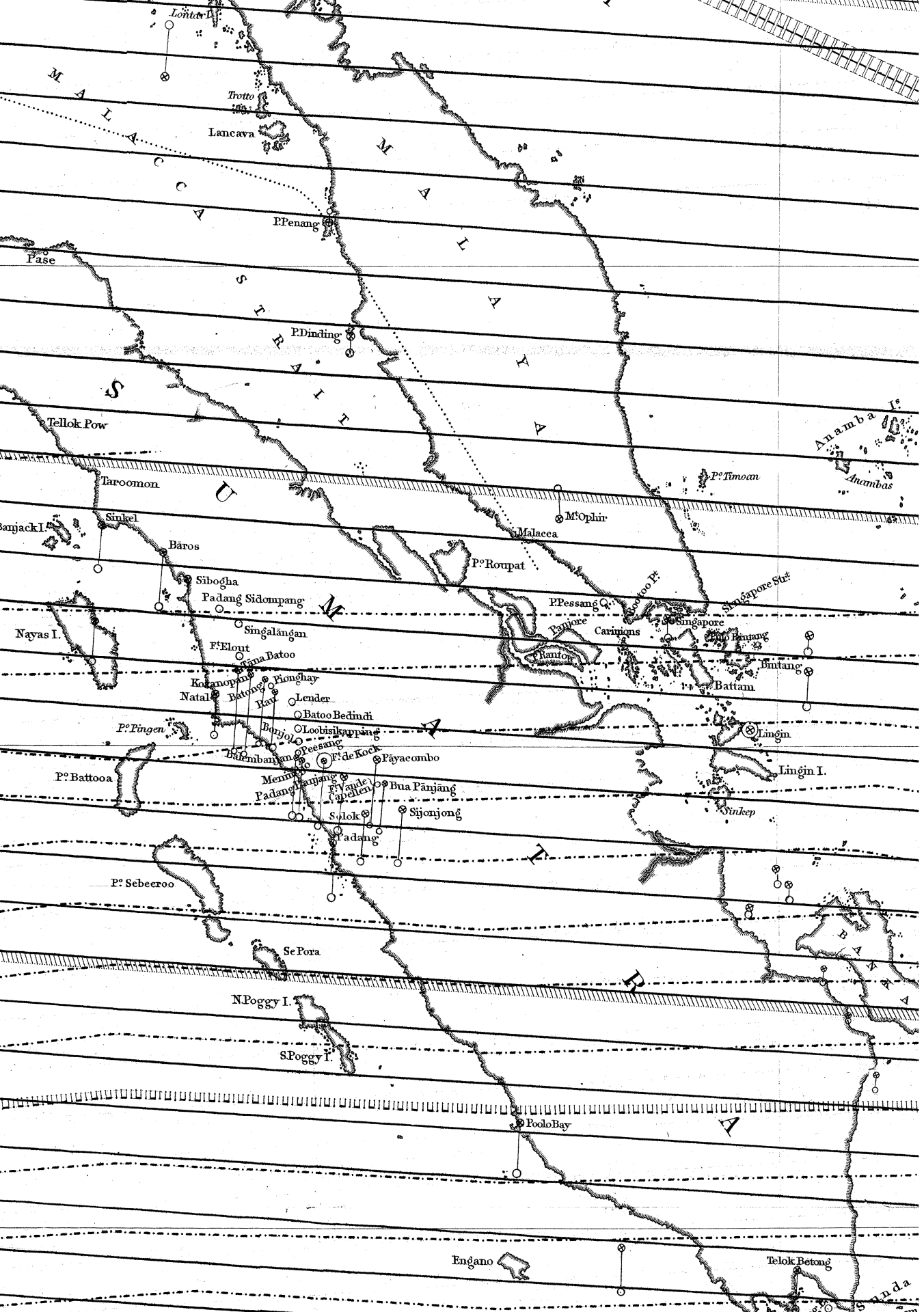
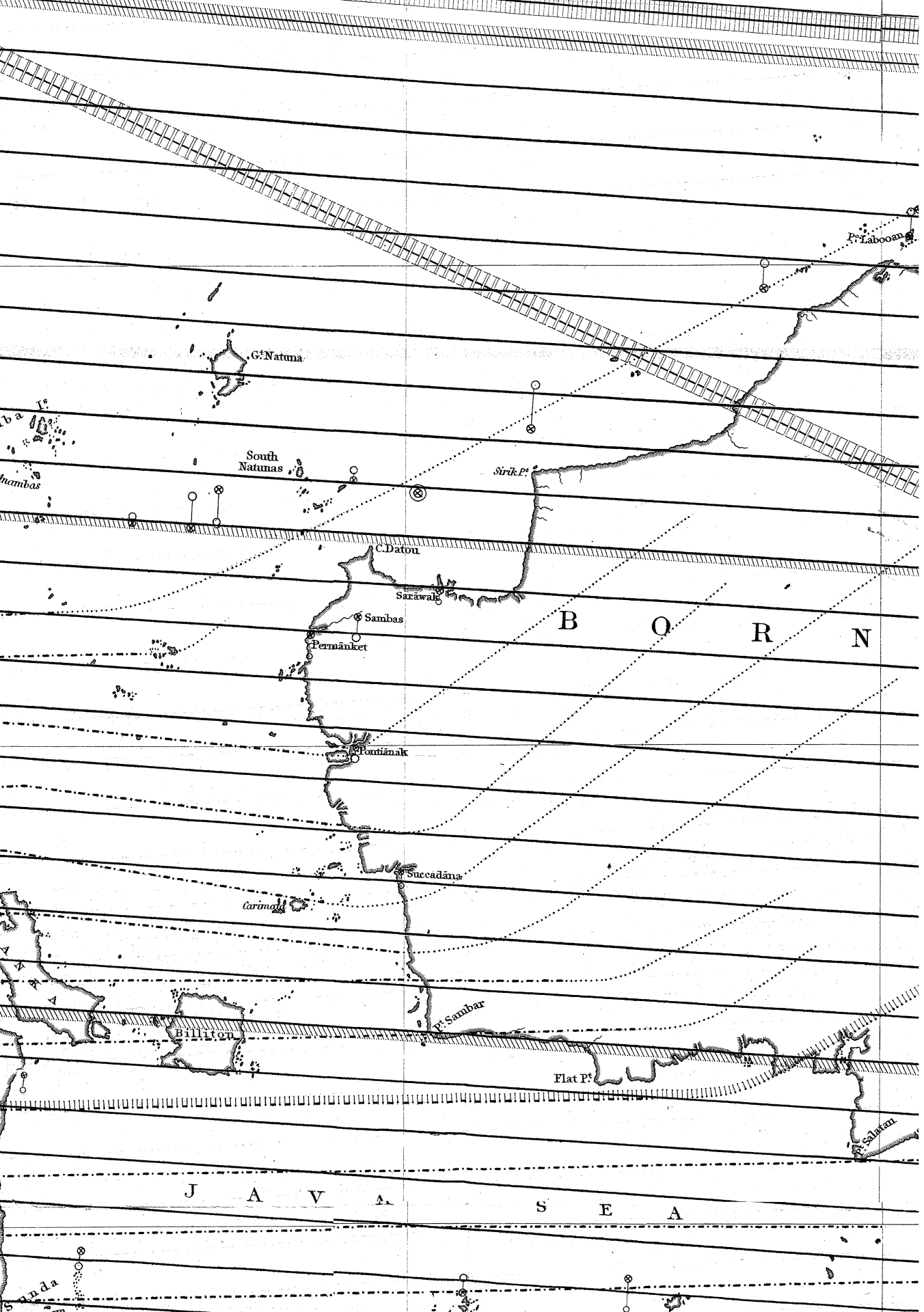
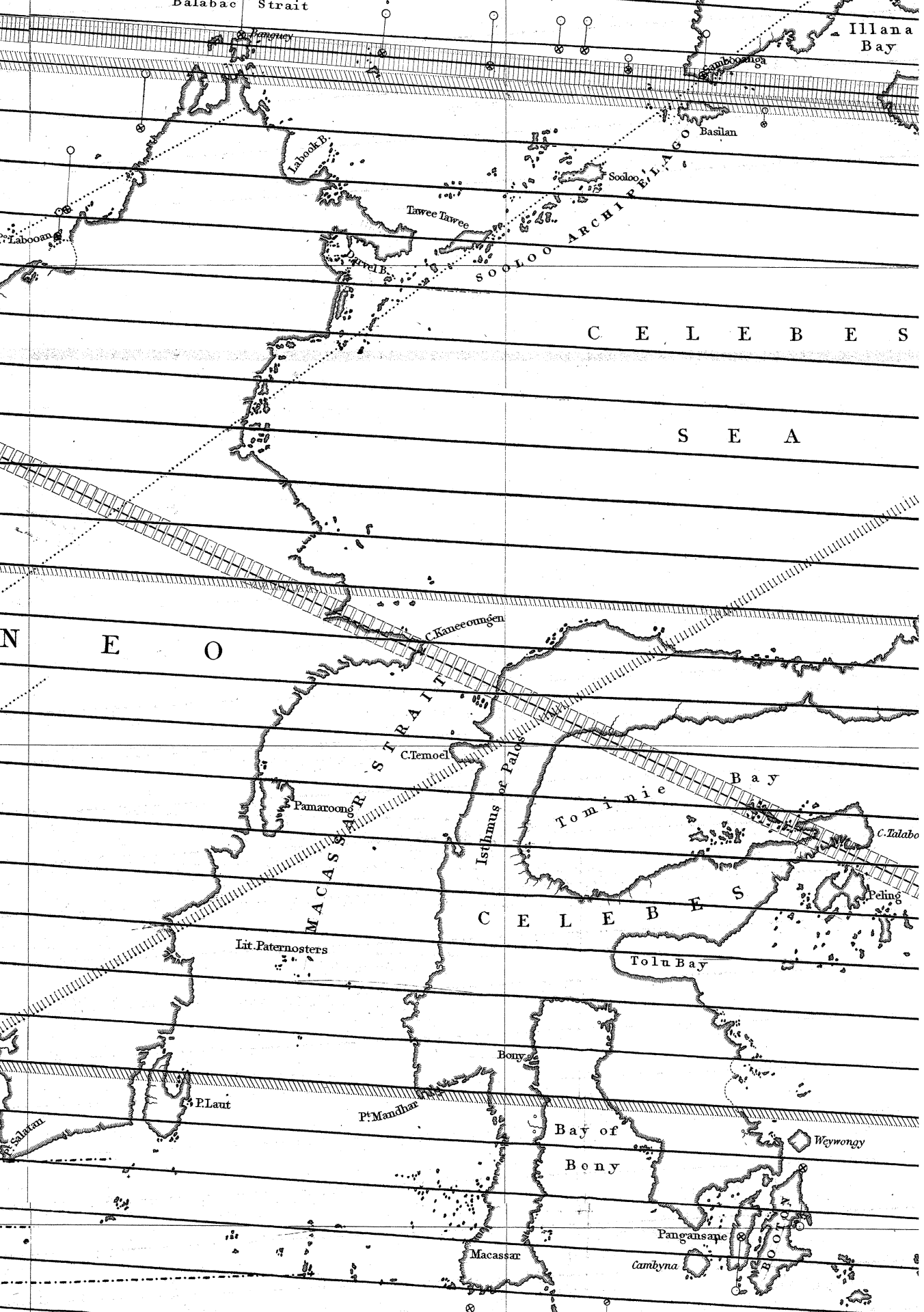


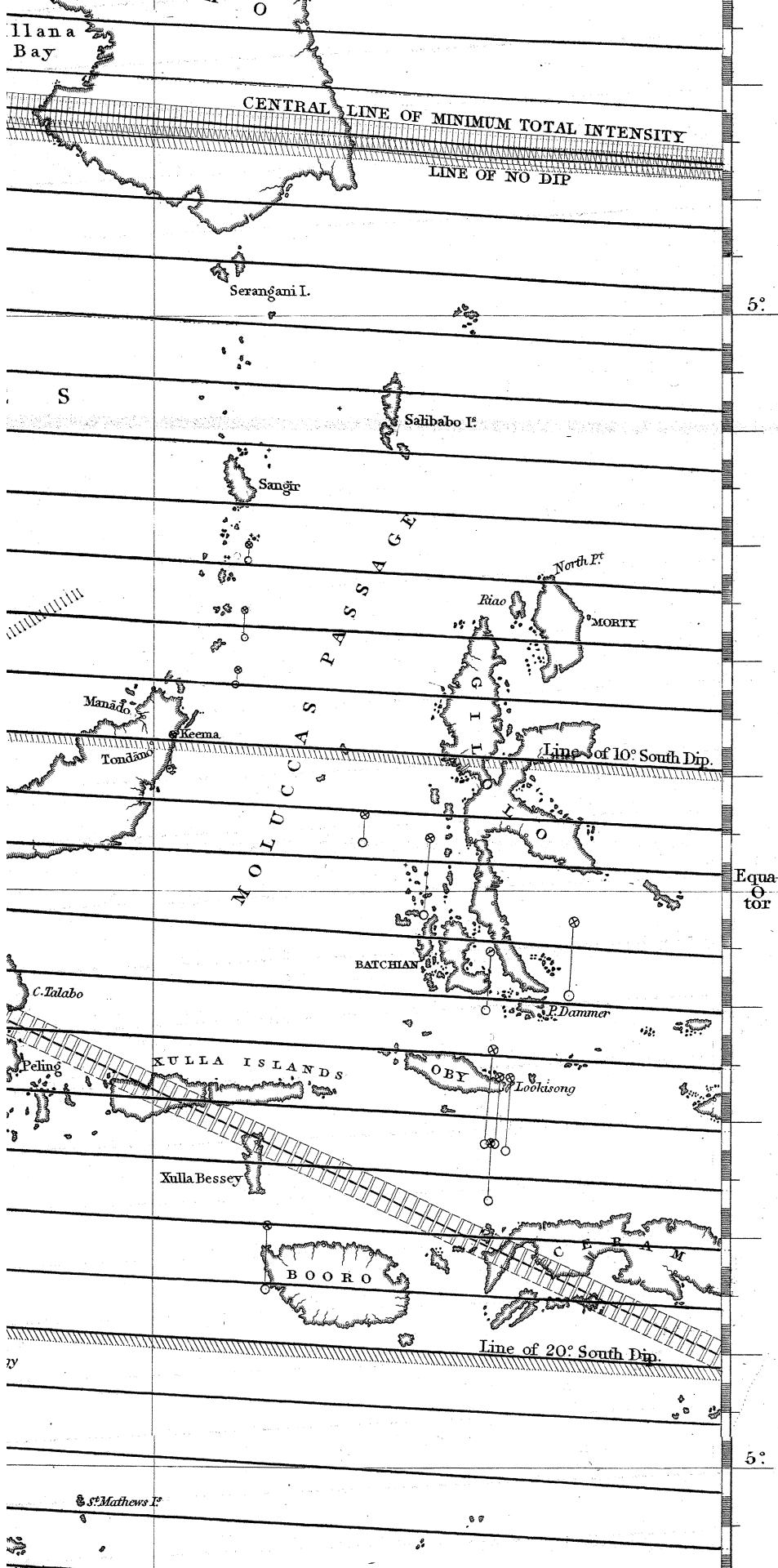
CHART
of the
MAGNETIC SURVEY
OF THE


3°
4°
5°
6°
7°
8°
9°
of 10° South Dip
11°
12°
13°
14°
15°
16°
17°
18°
19°
20° South Dip
21°
22°
23°
24°
25°
26°
27°
28°
1° 35′
1° 30′
1° 25′
1° 20′
1° 15′
1° 10′
1° 5′
55′
50′
45′
LINE OF 1° Variation East
Lit. Nicobar
Gr.t Nicobar
P.o Way
P.o Brasse
Acheen
Pase
Arigas Bay
Analaboo
Tell
Hog I.
P.o Banjack I.
Nayas I.
P.o
M


Lontar I.
Trotto
Lancava
MALACCA
P.Penang
Pase
STRAITS
P.Dinding
Tellok Pow
Taroomon
Banjack I.
Sinkel
Baros
Sibogha
Padang Sidompang
Singalāngan
Nayas I.
Fl.Elout
Tana Batoo
Kotamopan
Pionghay
Natal
Batong
Ratt
Lender
Batoo Bedindi
P.o Pingen
Bonjol
Loobisikapping
Peesang
Balembangan
Fl.de Kock
Payacombo
P.o Battooa
Menna
Padang Panjang
Fl.Vande Capellen
Bua Pānjāng
Solok
Sijonjong
Padang
P.o Sebeeroo
Se Pora
N.Poggy I.
S.Poggy I.
Poolo Bay
Engano
P.o Roupat
P.Pessang
Malacca
M.t Ophir
P.o Timoan
Anamba I.s
Anambas
Singapore Str.t
Pamore
Carimons
Singapore
Poolo Bintang
Bintang
Battam
Lingin
Lingin I.
Sinkep
Telok Betong
BANKA


G.t Natuna
South Natunas
Sirik P.t
C. Datou
Sarawak
Sambas
Pemānket
B O R N
Pontiānak
Succadāna
Carimata
Billiton
P.t Sambar
Flat P.t
P.o Laboean
J A V A
S E A


Balabac Strait
Illana Bay
Basilan
Sooloo
SOOLOO ARCHIPELAGO
Tawee Tawee
Labooan
C E L E B E S
S E A
N E O
C. Kaneeoungen
STRAIT
C. Temoel
Isthmus of Palos
Bay
Tomini
C. Talabo
Peling
Pamaroong
MACASSAR
C E L E B E S
Lit. Paternosters
Tolu Bay
Bony
P. Laut
Pt. Mandhar
Bay of
Bony
Weywongy
Pangansane
Macassar
Cambyna


llana
Bay
CENTRAL LINE OF MINIMUM TOTAL INTENSITY
LINE OF NO DIP
Serangani I.
5°
S
Salibabo I.
Sangir
MOLUCCAS PASSAGE
North Pt
Riao
MORTY
Manādo
Keema
Tondano
Line of 10° South Dip.
CELEBES
Equator
BATCHIAN
C. Talabo
P. Dammer
Peling
XULLA ISLANDS
OBY
Lookisong
Xulla Bessey
BOORO
CERAM
Line of 20° South Dip.
5°
St Mathews I.

MAGNETIC SURVEY

OF THE

INDIAN ARCHIPELAGO

SHEWING THE

ISOCLINAL LINES

OR

LINES OF EQUAL MAGNETIC DIP

AND

Lines of Equal Magnetic Declination

BY

Captain Elliot,

Madras Engineers.

Stations of Observation ⊗

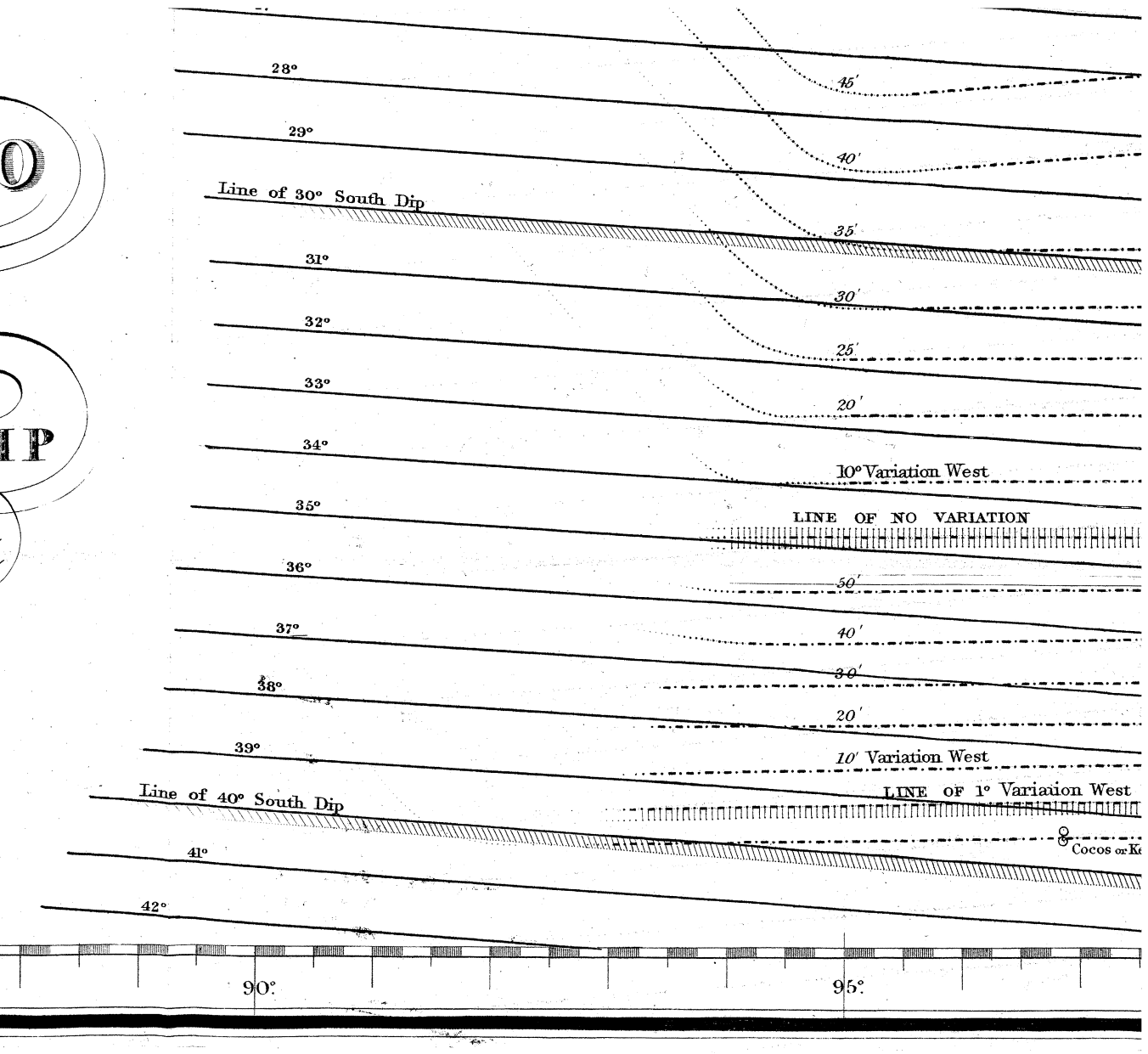
Points Furnished for the adjacent Isoclinal Lines ○

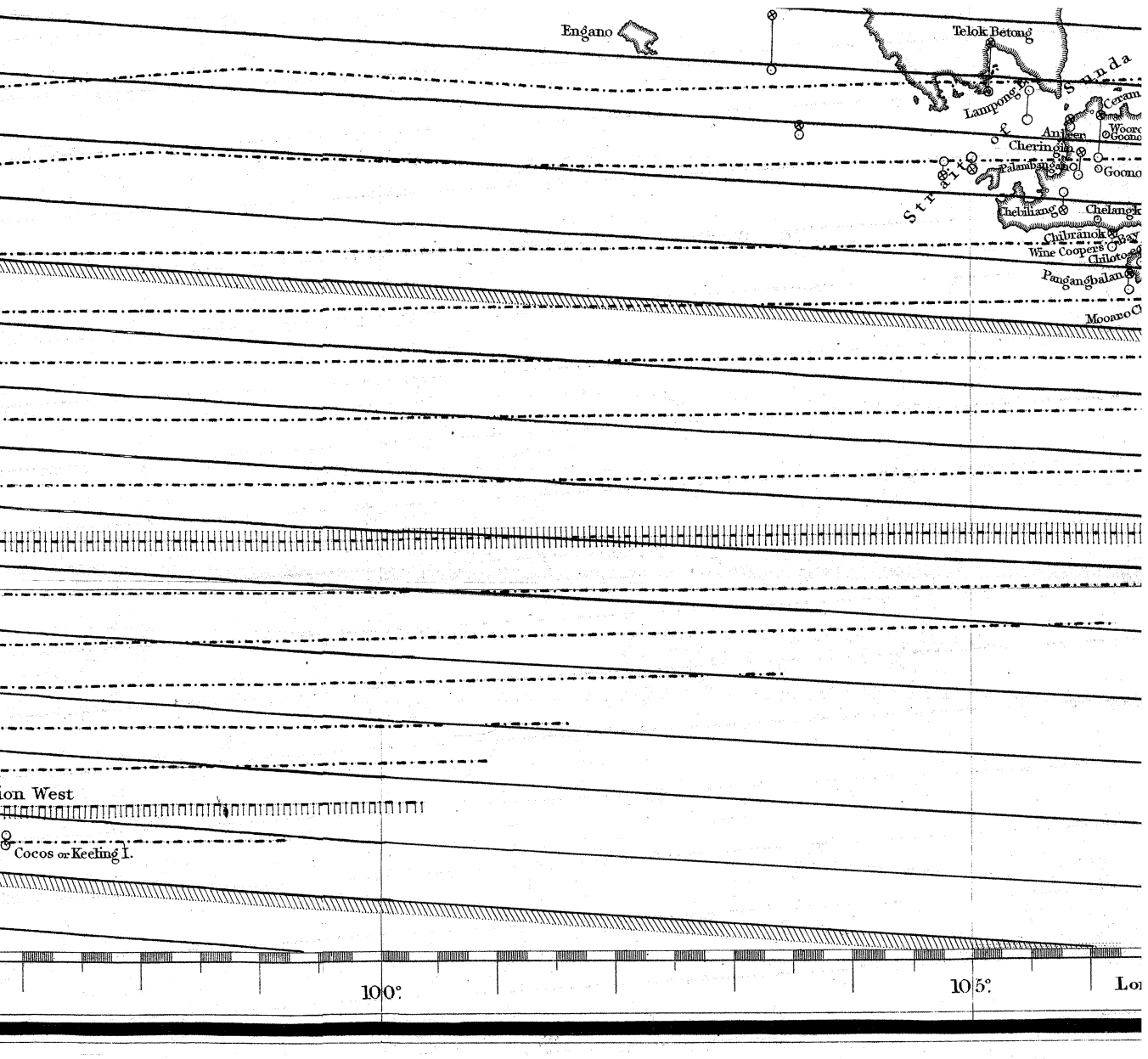
Central Stations ⊛

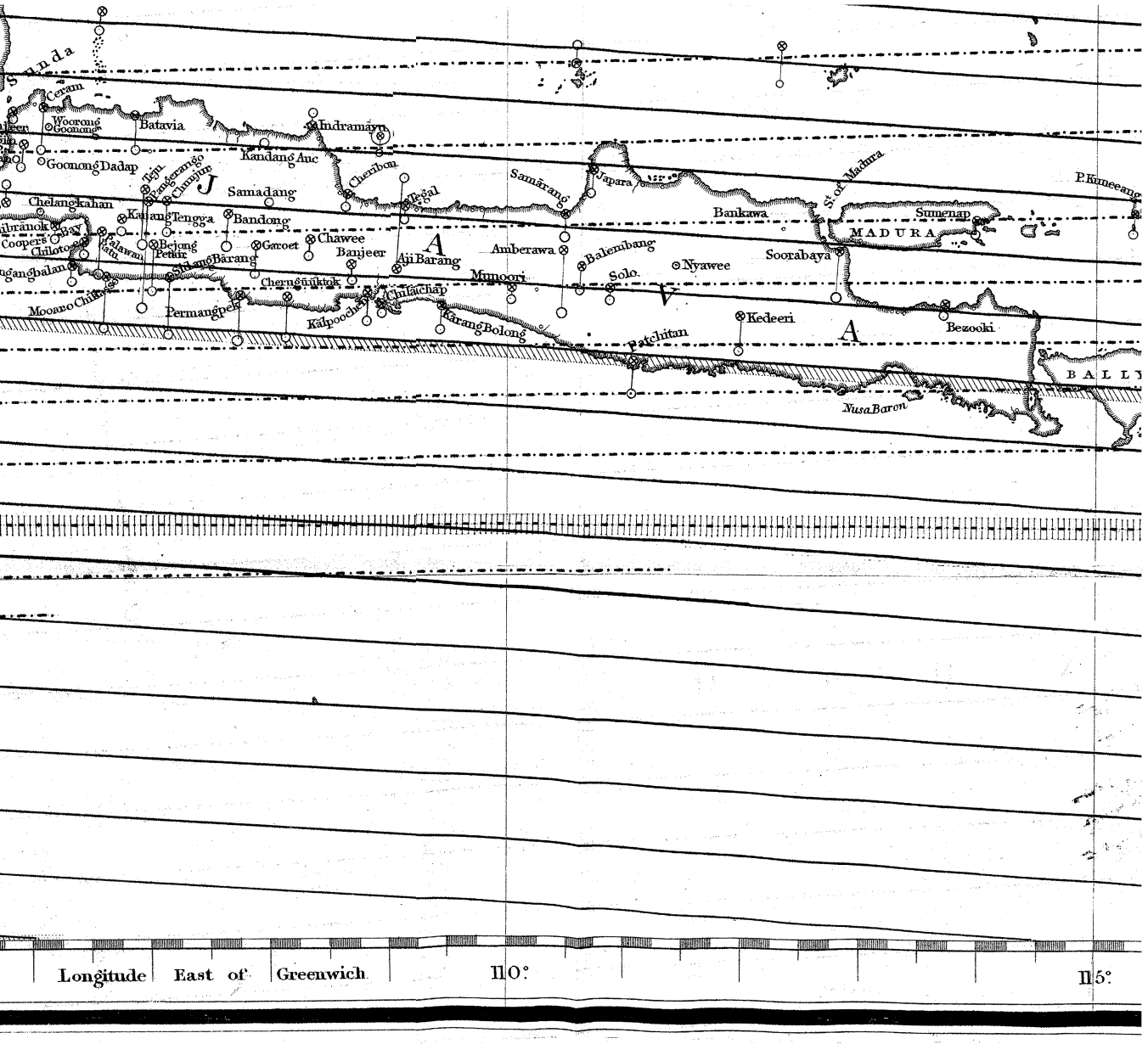
10°

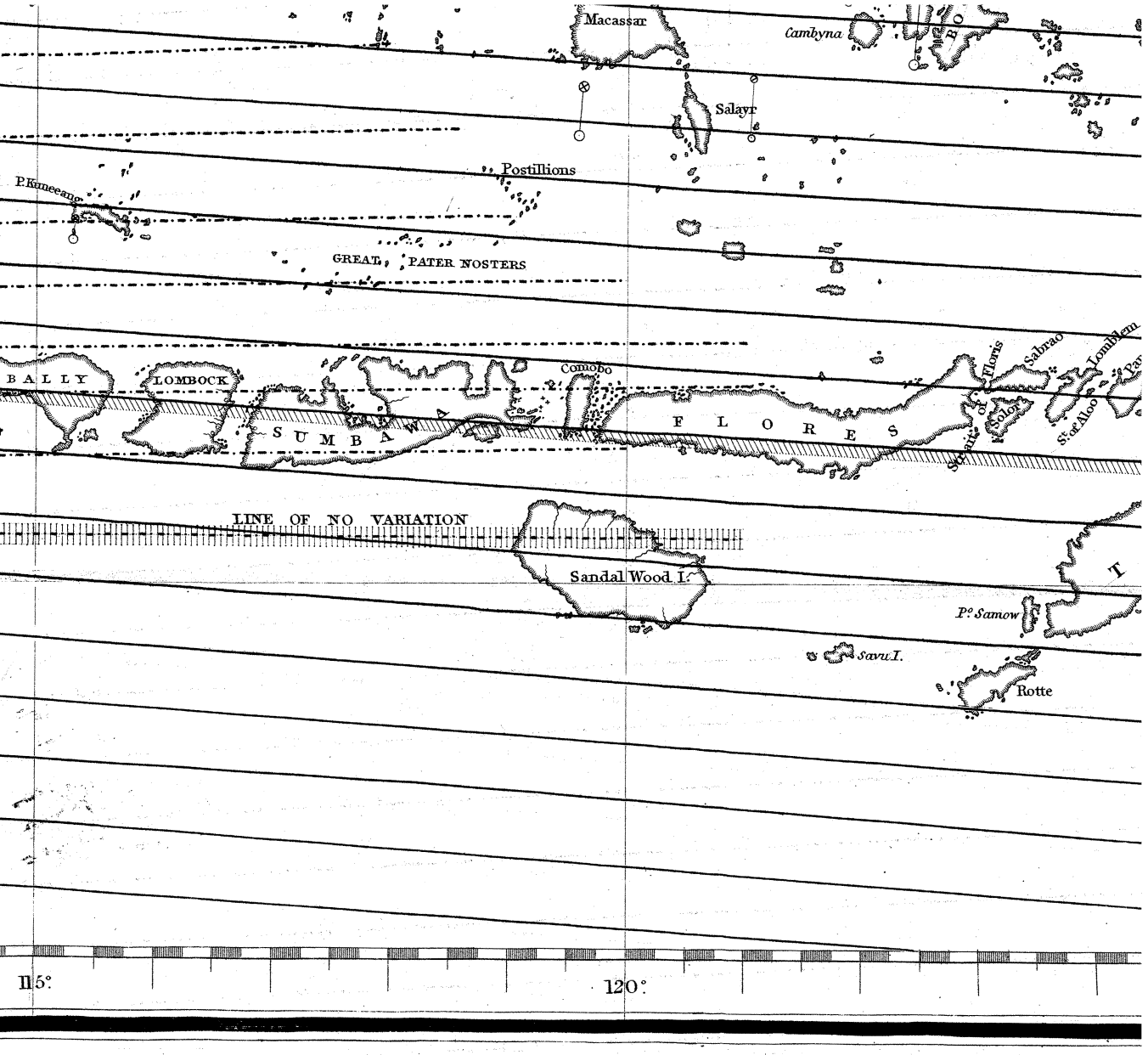
80°

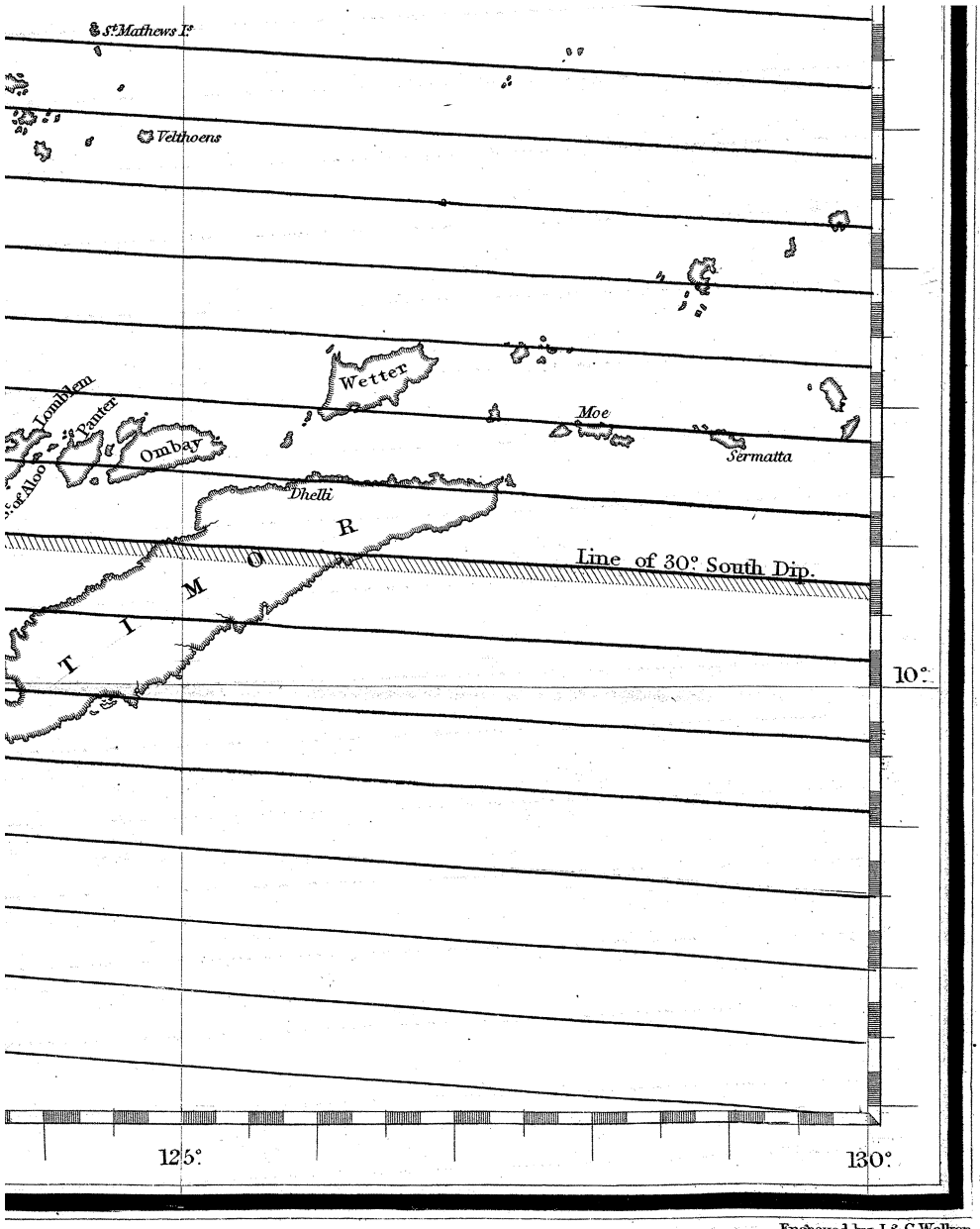
85°


28°
29°
Line of 30° South Dip
31°
32°
33°
34°
35°
36°
37°
38°
39°
Line of 40° South Dip
41°
42°
45′
40′
35′
30′
25′
20′
10° Variation West
LINE OF NO VARIATION
50′
40′
30′
20′
10′ Variation West
LINE OF 1° Variation West
Cocos or Ke
90°
95°

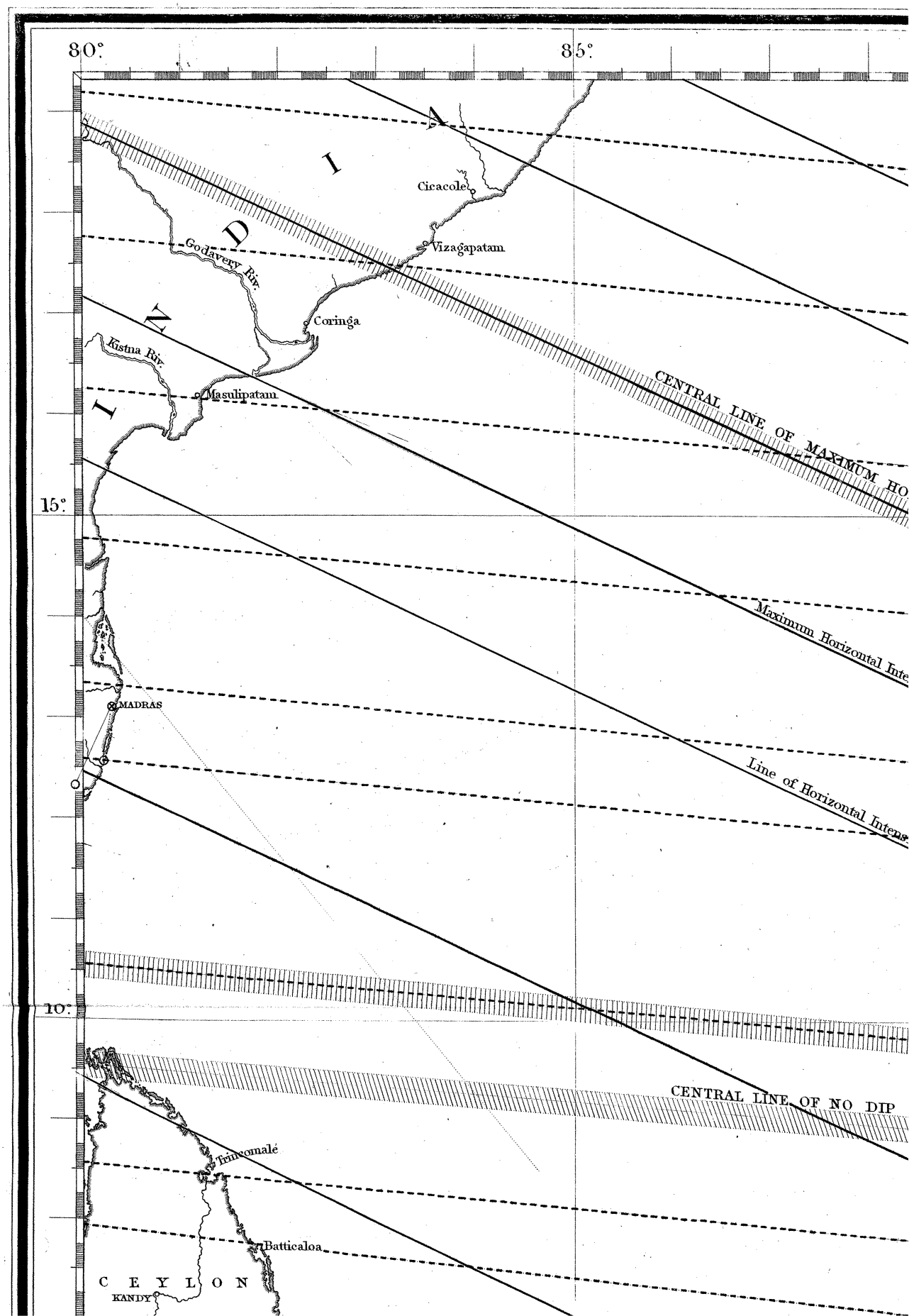

Engano
Telok Betong
Lampong
Anjeen
Cheringin
Palambang
Chelanok
Chilbranok
Wine Coopers Bay
Pangangbalang
Mooano
ion West
Cocos or Keeling I.
100°.
105°.

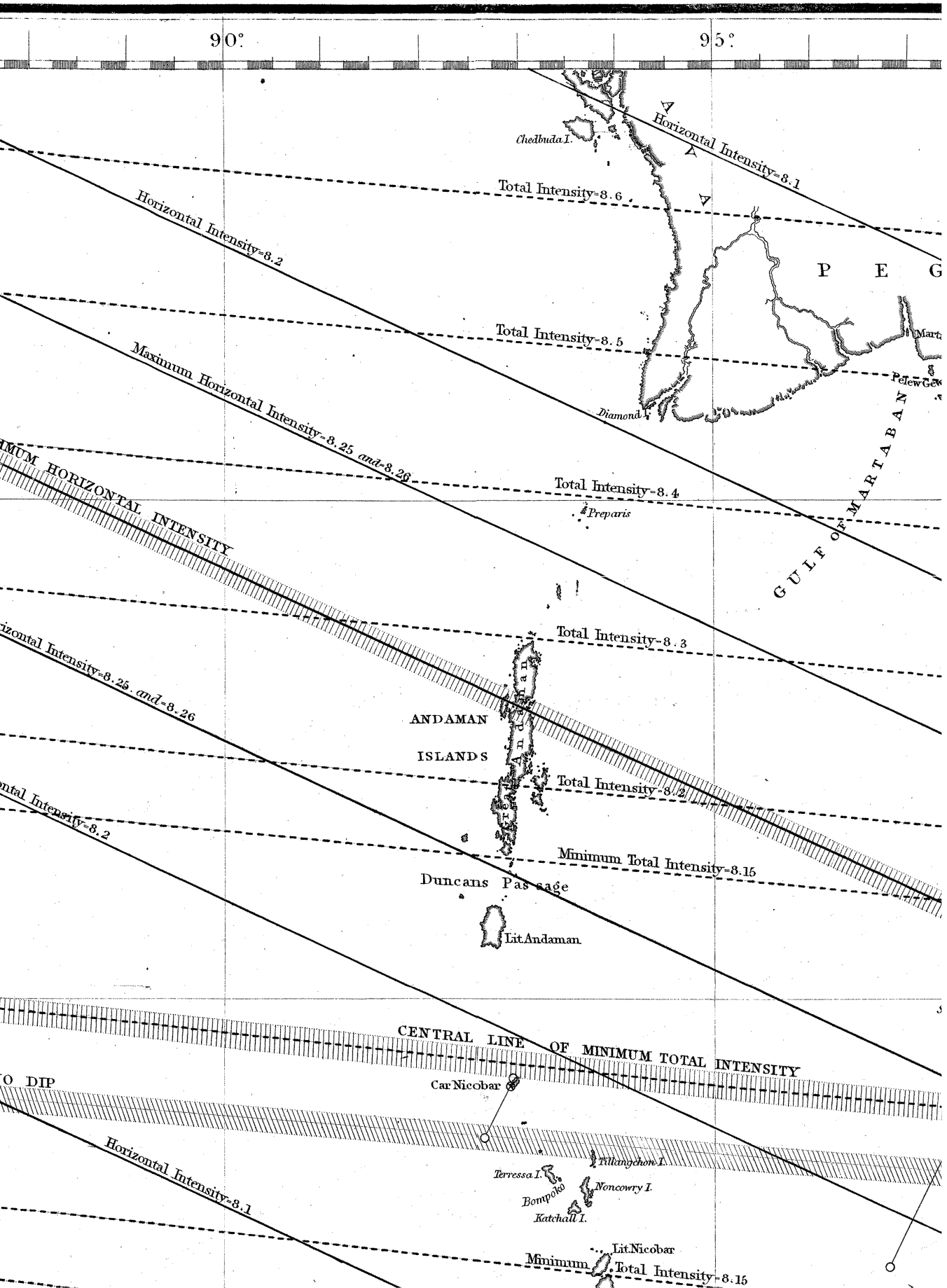

Sunda
Ceram
Batavia
Indramayn
Randang Anc
Cheribon
Samarang
Japara
St. of Madura
P. Kimeeang
Bankawa
Simenap
MADURA
Chelangkahan
Kaijang
Tengga
Bandong
Chawee
Bejong
Garoet
Petkir
Banjeer
Ajii Barang
Amberawa
Balembang
Soorabaya
Nyawee
Solo.
Munoori
Cherngnuktok
Chilachap
Kalpoodak
Karang Bolong
Patchitan
Kedeeri
Bezooki
Permangpeh
Moorno Chilang
Nusa Baron
BALLY
J
A
V
A
Longitude East of Greenwich
110°
115°

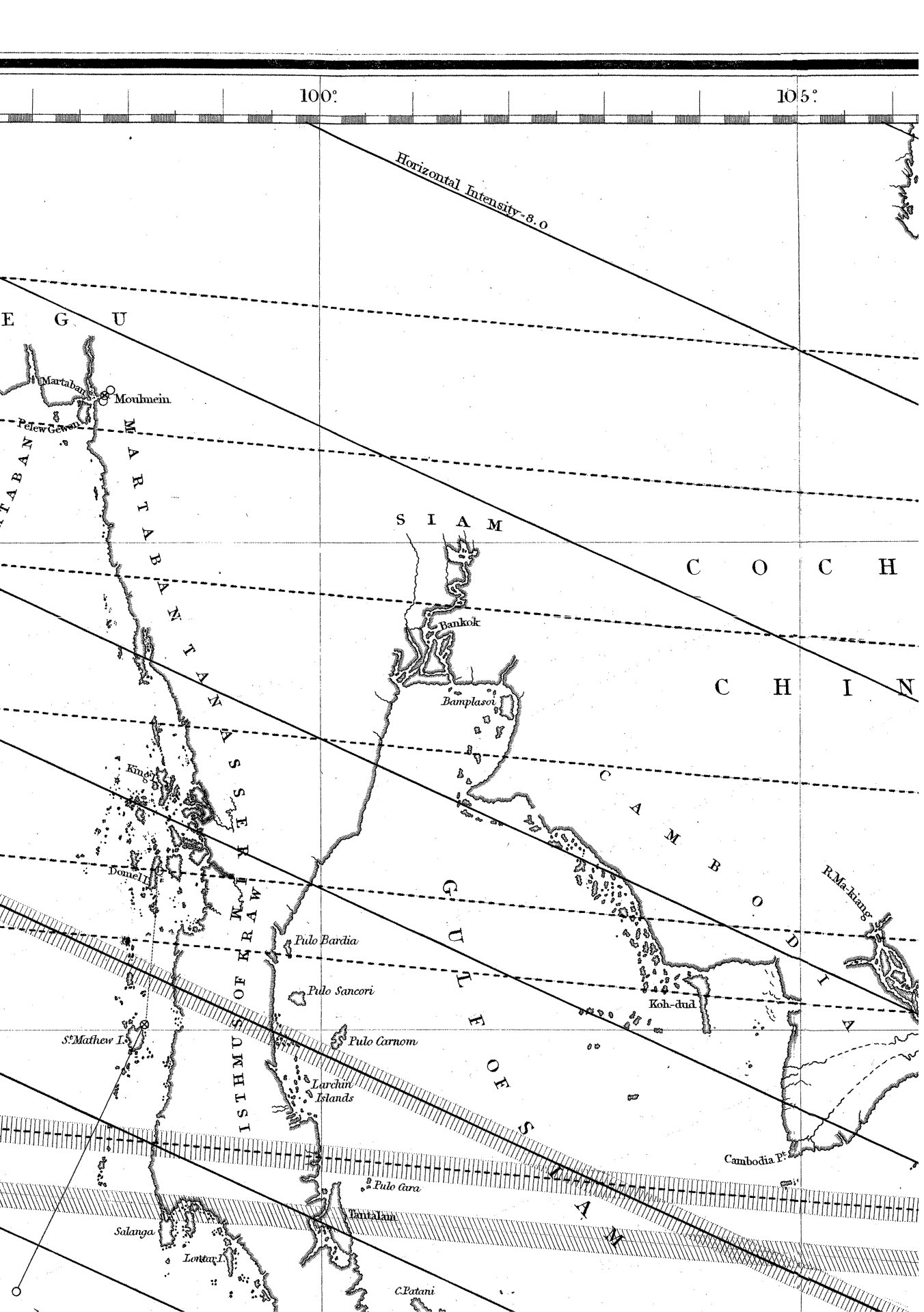

Macassar
Cambyna
Salayr
Postillions
P. Kmeeang
GREAT PATER NOSTERS
BALLY
LOMBOCK
SUMBAWA
Comobo
FLORES
Sabrao
Solor
Lomblem
Sandal Wood I.
LINE OF NO VARIATION
Savu I.
Rotte
115°
120°

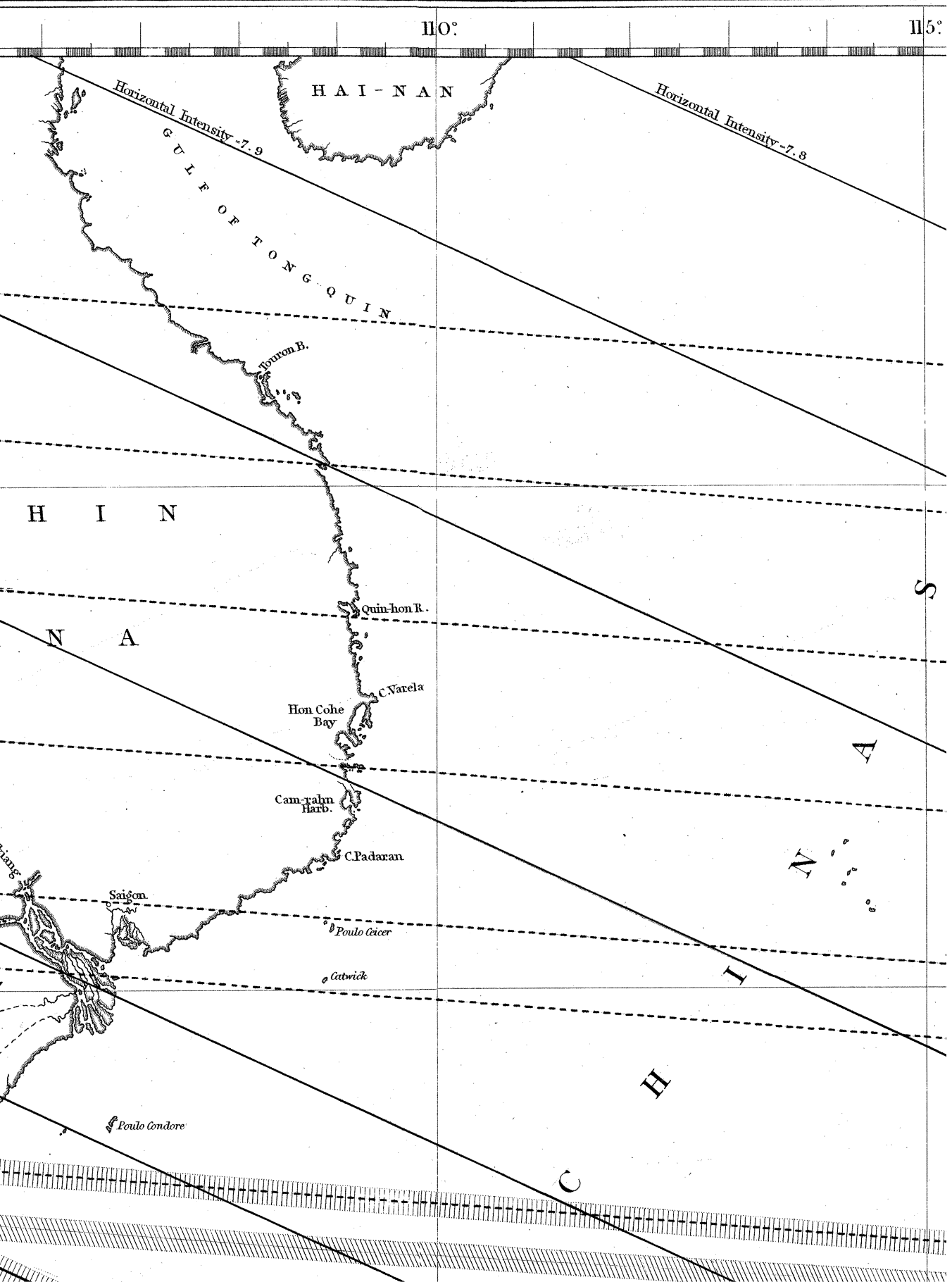


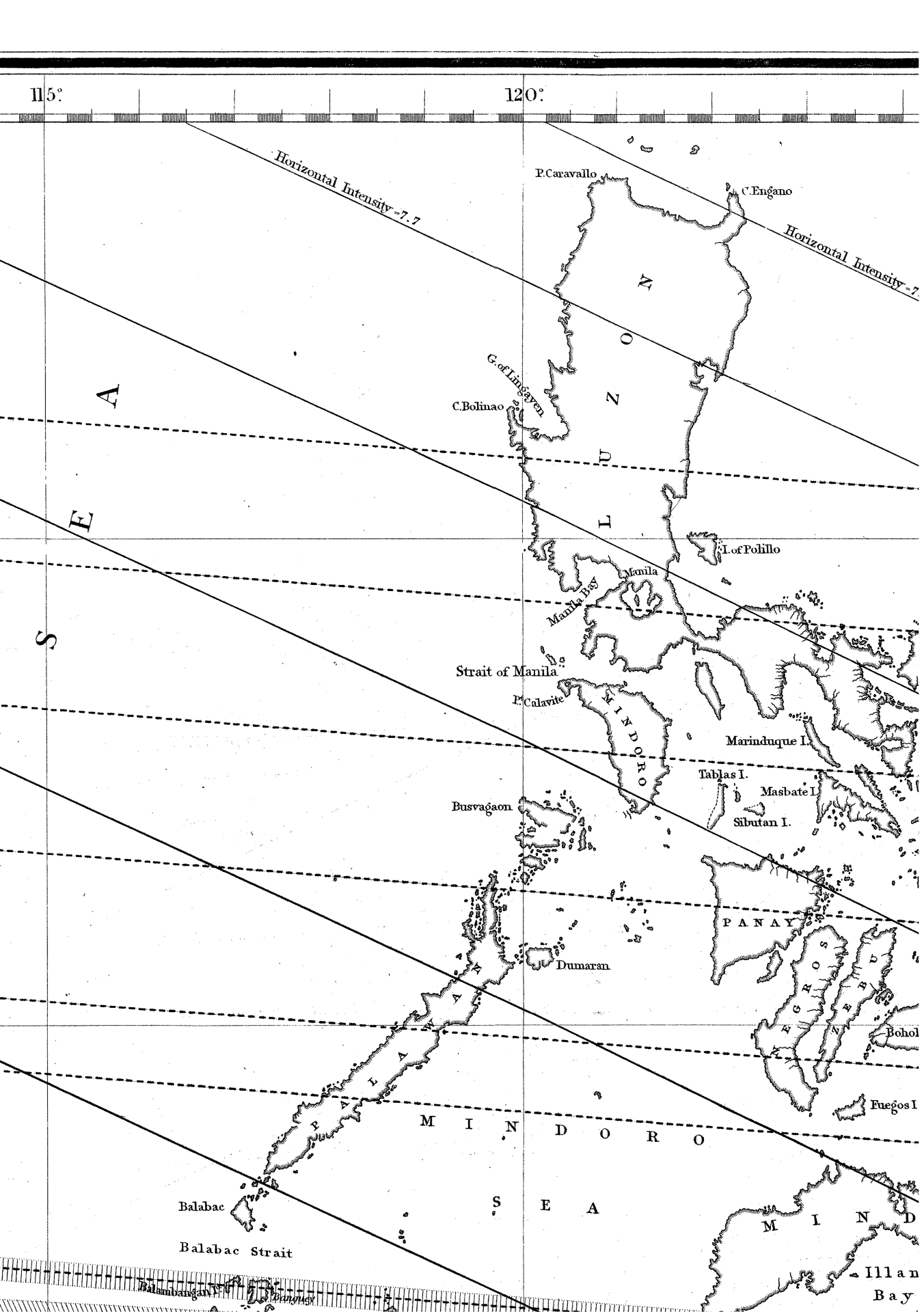
Engraved by J.& C.Walker.

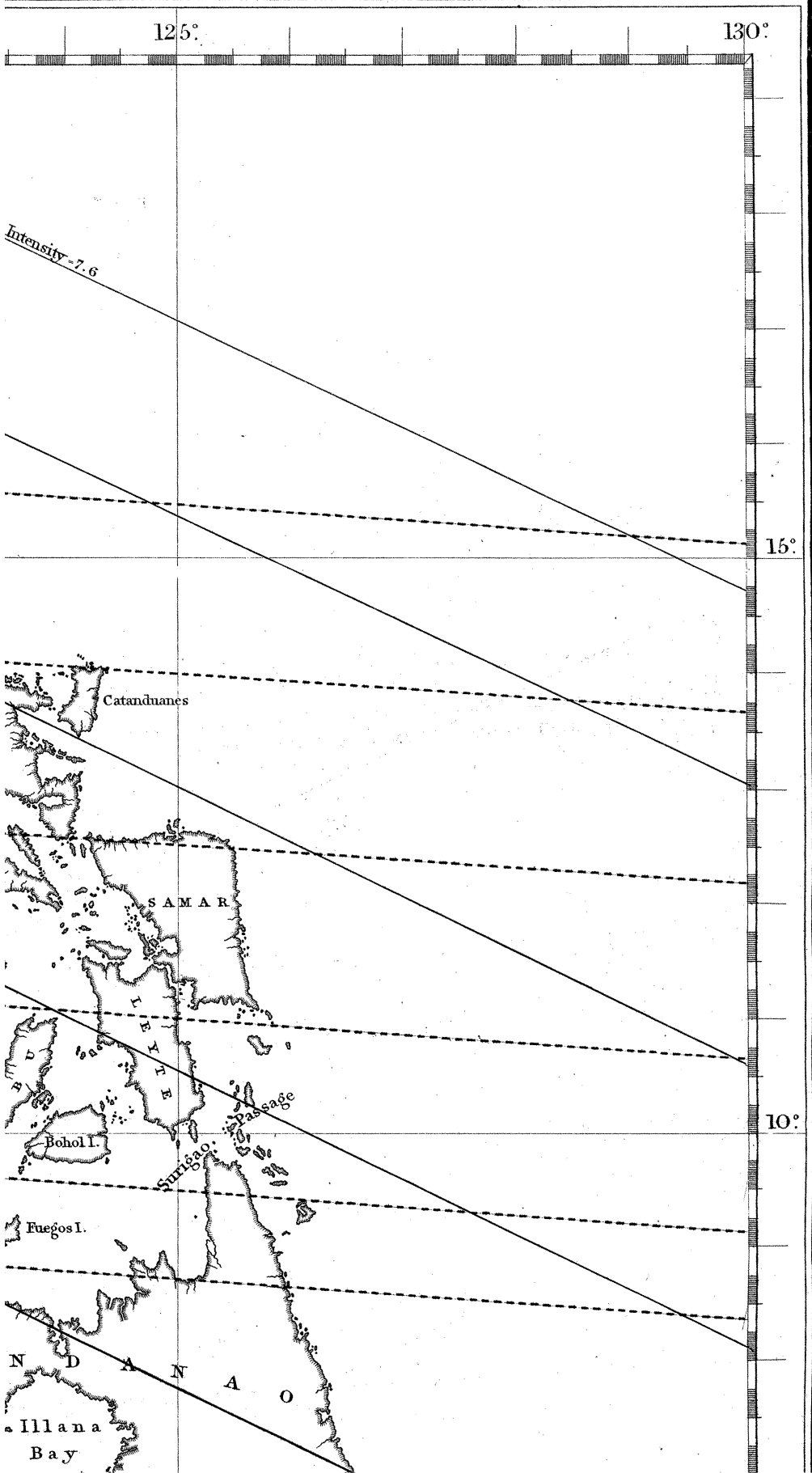

80°
85°
15°
10°
INDIA
Circacole
Vizagapatam
Godavery Riv.
Coringa
Kistna Riv.
Masulipatam
MADRAS
CENTRAL LINE OF MAXIMUM HO
Maximum Horizontal Inte
Line of Horizontal Intens
CENTRAL LINE OF NO DIP
Trincomalé
Batticaloa
CEYLON
KANDY

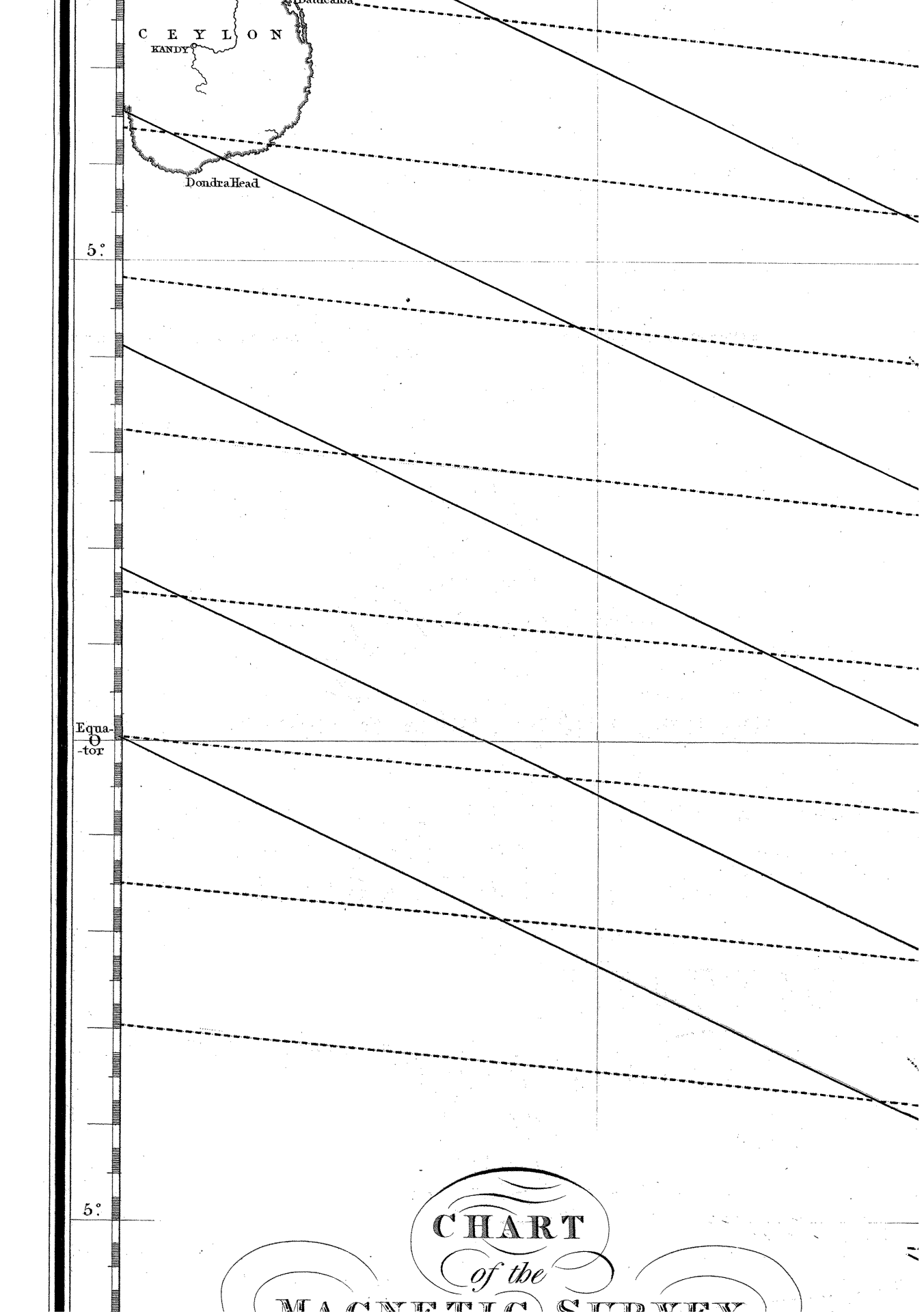

90°
95°
Chedbuda I.
Horizontal Intensity=8.1
Total Intensity=8.6
Horizontal Intensity=8.2
P E G
Total Intensity=8.5
Mart
Pelew Gro
Diamond I.
Maximum Horizontal Intensity=8.25 and=8.26
GULF OF MARTABAN
Total Intensity=8.4
Preparis
MUM HORIZONTAL INTENSITY
Total Intensity=8.3
izontal Intensity=8.25. and=8.26
ANDAMAN
ISLANDS
Great Andaman
Total Intensity=8.2
ntal Intensity=8.2
Minimum Total Intensity=8.15
Duncans Passage
Lit Andaman
CENTRAL LINE OF MINIMUM TOTAL INTENSITY
O DIP
Car Nicobar
Tillangchong I.
Terressa I.
Bompoka
Noncowry I.
Katchall I.
Horizontal Intensity=8.1
Lit Nicobar
Minimum
Total Intensity=8.15

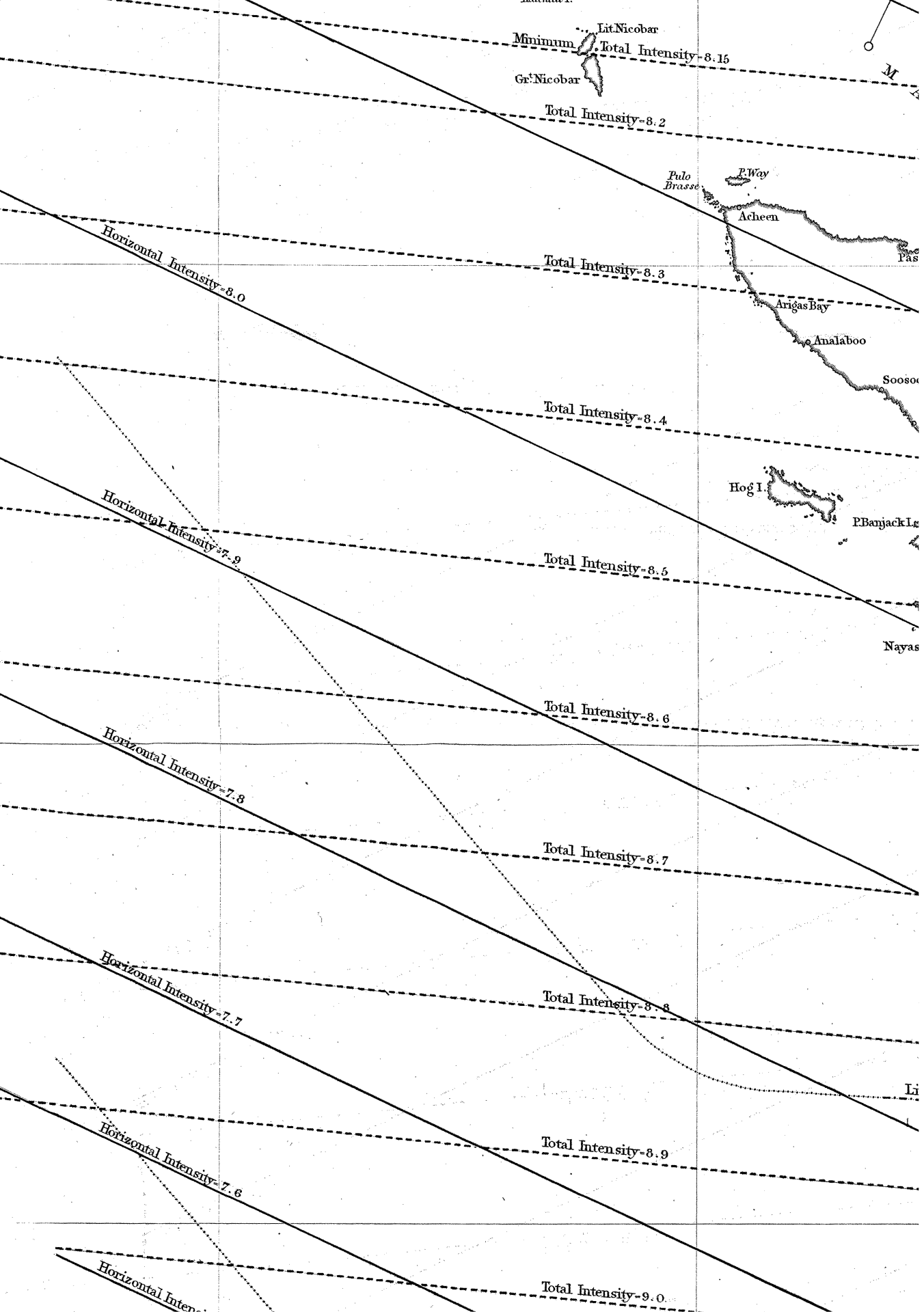

100°
105°
Horizontal Intensity-8.0
E G U
Martaban
Moulmein
Pelew Gewen
MARTABAN
S I A M
C O C H
C H I N
Bankok
Bamplasoi
CAMBODIA
King
Domel I.
ISTHMUS OF KRAW
Pulo Bardia
Pulo Sancori
GULF OF SIAM
Koh-dud
R. Ma-kiang
St. Mathew I.
Pulo Carnom
Larchin Islands
Cambodia Pt.
Pulo Cara
Tantalam
Salanga
Lontar I.
C. Patani

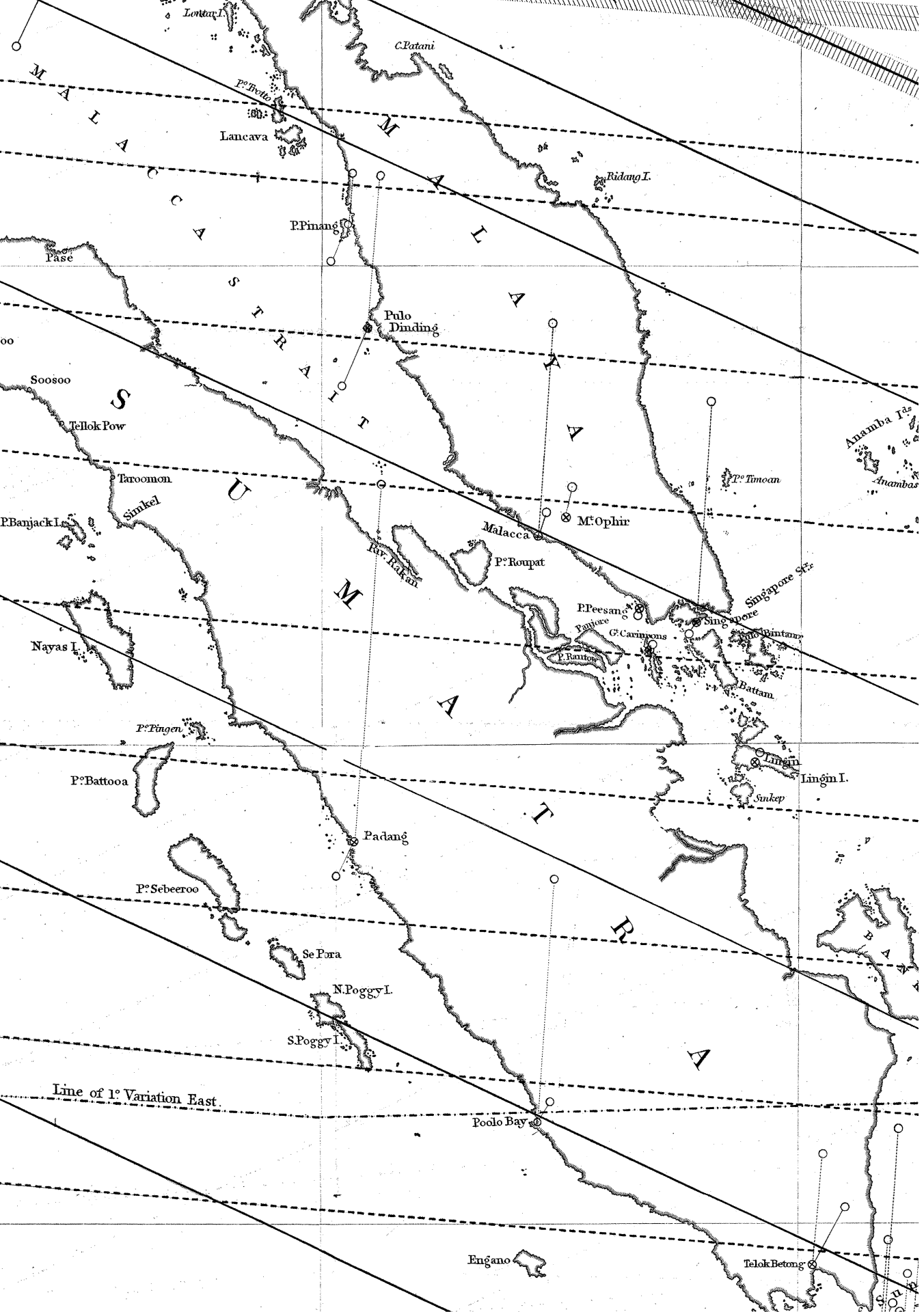

110°
115°
HAI-NAN
Horizontal Intensity -7.9
Horizontal Intensity -7.8
GULF OF TONG QUIN
Touron B.
H I N
N A
Quin-hon R.
C. Varela
Hon Cohe Bay
Cam-rahn Harb.
C. Padaran
Saigon
Poulo Ceicer
Catwick
Poulo Condore
S
A
I
N
H
C

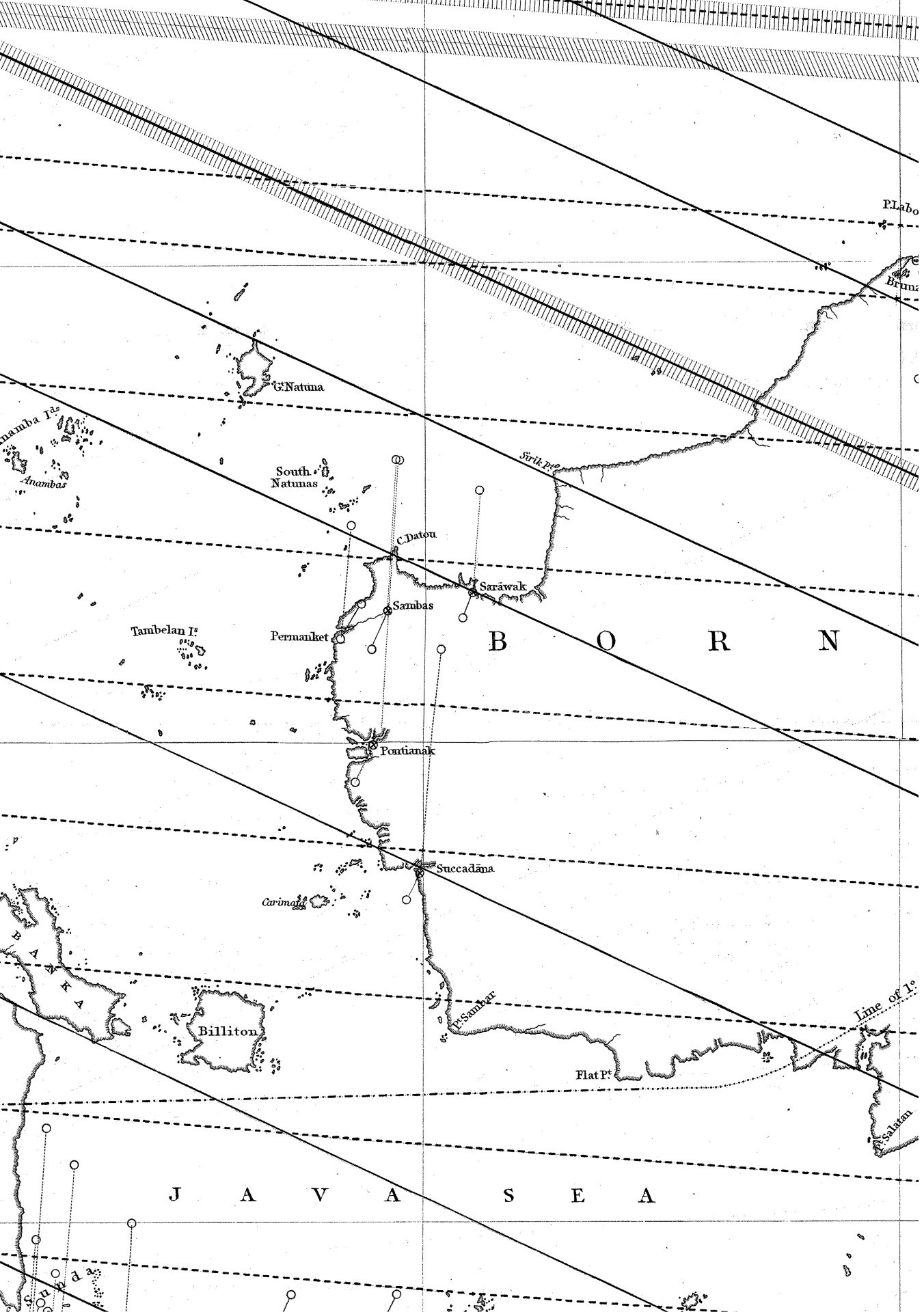

115°
120°
Horizontal Intensity = 7.7
Horizontal Intensity = 7
P. Caravallo
C. Engano
LUZON
G. of Lingayen
C. Bolinao
SEA
I. of Polillo
Manila
Manila Bay
Strait of Manila
P. Calavite
MINDORO
Marinduque I.
Tablas I.
Masbate I.
Sibutan I.
Busvagaon
PANAY
Dumaran
PALAWAN
NEGROS
Bohol
Fuegos I
MINDORO
SEA
Balabac
Balabac Strait
Illan
Bay

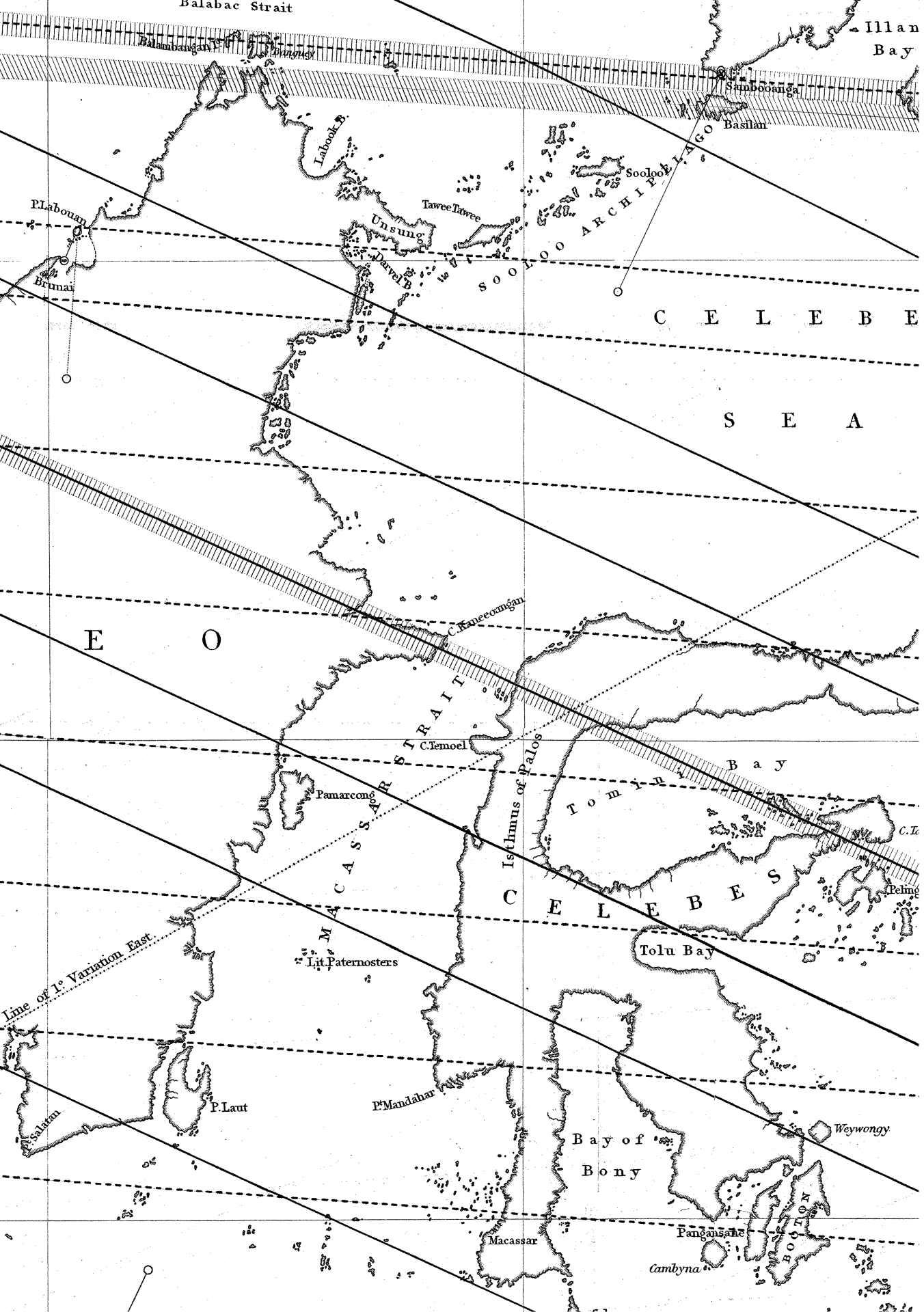

125°
130°
Intensity - 7.6
15°
Catanduanes
SAMAR
LEYTE
Passage
10°
Bohol I.
Surigao
Fuegos I.
N D A N A O
Illana
Bay

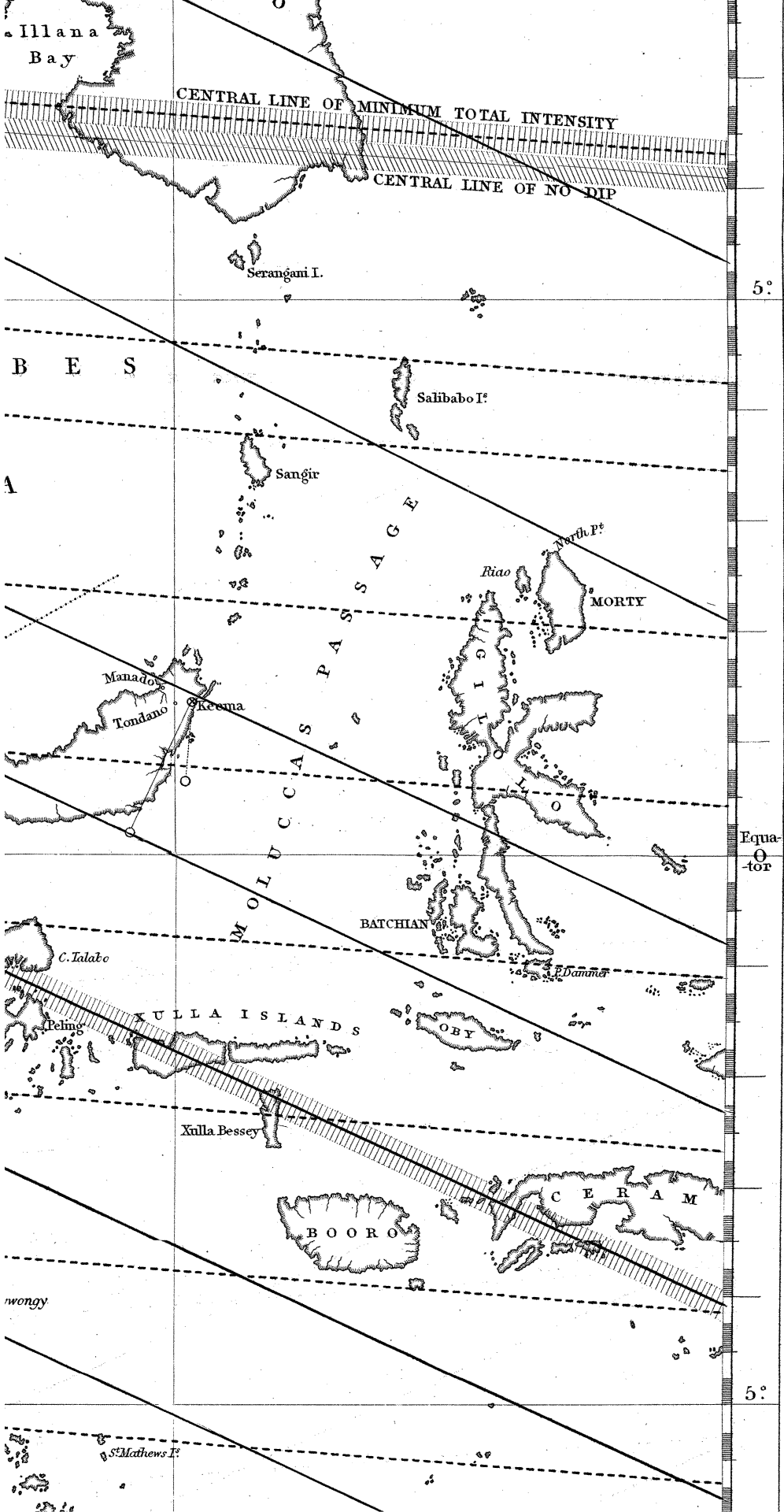

Paticalloa
CEYLON
KANDY
Dondra Head
5°
Equa-
O
-tor
5°
CHART
of the
MAGNETIC SURVEY


Lit. Nicobar
Minimum
Total Intensity-8.15
Gr. Nicobar
Total Intensity-8.2
Pulo Brasse
P. Way
Acheen
Horizontal Intensity-8.0
Total Intensity-8.3
Arigas Bay
Analaboo
Total Intensity-8.4
Hog I.
P. Banjack I.
Horizontal Intensity-7.9
Total Intensity-8.5
Nayas
Total Intensity-8.6
Horizontal Intensity-7.8
Total Intensity-8.7
Horizontal Intensity-7.7
Total Intensity-8.8
Total Intensity-8.9
Horizontal Intensity-7.6
Total Intensity-9.0


MALACCA STRAIT
SUMATRA
MALAYA
Lontar I.
C. Patani
Pº Tvetto
Lancava
Ridang I.
P. Pinang
Pase
Pulo Dinding
Soosoo
Tellok Pow
Taroomon
Sinkel
P. Banjack Is.
Nayas I.
Malacca
Rr. Rakan
Pº Roupat
Mt. Ophir
Pº Timoan
Anamba Is.
Anambas
P. Peesang
Singapore
Singapore Str.
Pangore
Gt. Carimons
Pº Bintang
P. Rantow
Battam
Pº Pingen
Pº Battooa
Lingin
Lingin I.
Sinkep
Padang
Pº Sebeeroo
Se Pora
N. Poggy I.
S. Poggy I.
Line of 1º Variation East
Poolo Bay
Engano
Telok Betong


P.Labo
Brun
G.Natuna
namba Is
Anambas
South Natunas
Sirik Pt
C.Datou
Sarāwak
Sambas
Tambelan Is
Permanket
B O R N
Pontianak
Succadāna
Carimata
BANKA
Billiton
Pt Sambar
Line of 1°
Flat Pt
Salatan
J A V A S E A
Sunda


Balabac Strait
Balambangan
Illan Bay
Samboanga
Basilan
Labook B.
Soolooe
SOOLOO ARCHIPELAGO
P.Labouan
Brunai
Tawee Tawee
Unsung
Darvel B.
CELEBE
SEA
EO
C.Kaneeongan
MACASSAR STRAIT
C.Temoel
Isthmus of Palos
Tomini Bay
Pamarcong
CELEBES
Pelime
Tolu Bay
Lit.Paternosters
Line of 1° Variation East.
P.Laut
P.Salatan
Pt Mandahar
Bay of Bony
Weywongy
Macassar
Pangnsane
BOTON
Cambyna


Illana
Bay
CENTRAL LINE OF MINIMUM TOTAL INTENSITY
CENTRAL LINE OF NO DIP
Serangani I.
5°
B E S
A
Salibabo I.s
Sangir
MOLUCCAS PASSAGE
North P.t
Riao
MORTY
Manado
Tondano
Keema
Equa-
tor
BATCHIAN
C. Talato
P. Dammer
Peling
XULLA ISLANDS
OBY
Xulla Bessey
C E R A M
BOORO
wongy
5°
St. Mathews I.s

of the

MAGNETIC SURVEY

OF THE

INDIAN ARCHIPELAGO

SHEWING THE

ISODYNAMIC LINES,

OR

LINES OF EQUAL HORIZONTAL INTENSITY,

AND

Lines of Equal Total Intensity

BY

Captain Elliot

Madras Engineers.

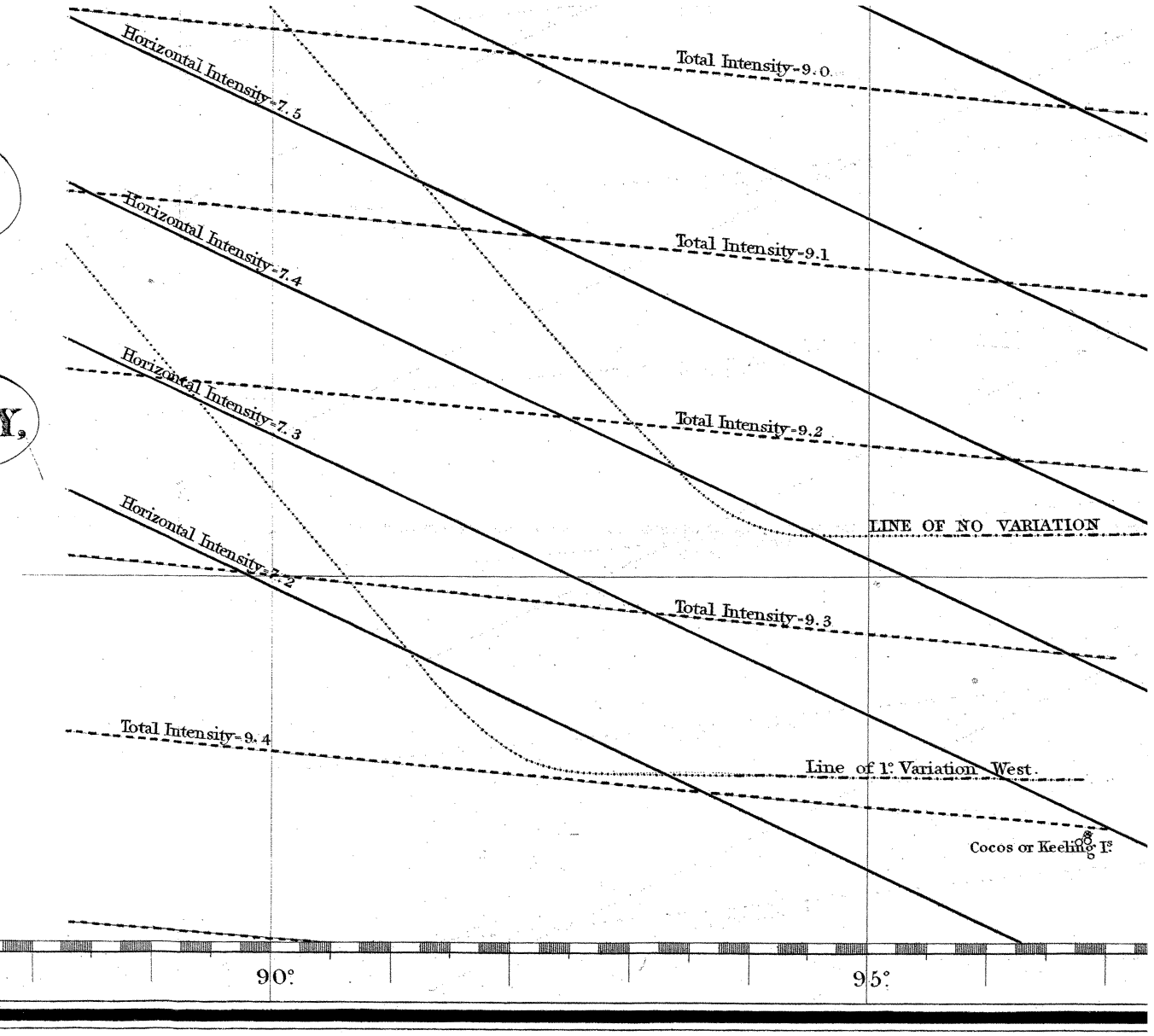
Stations of Observation

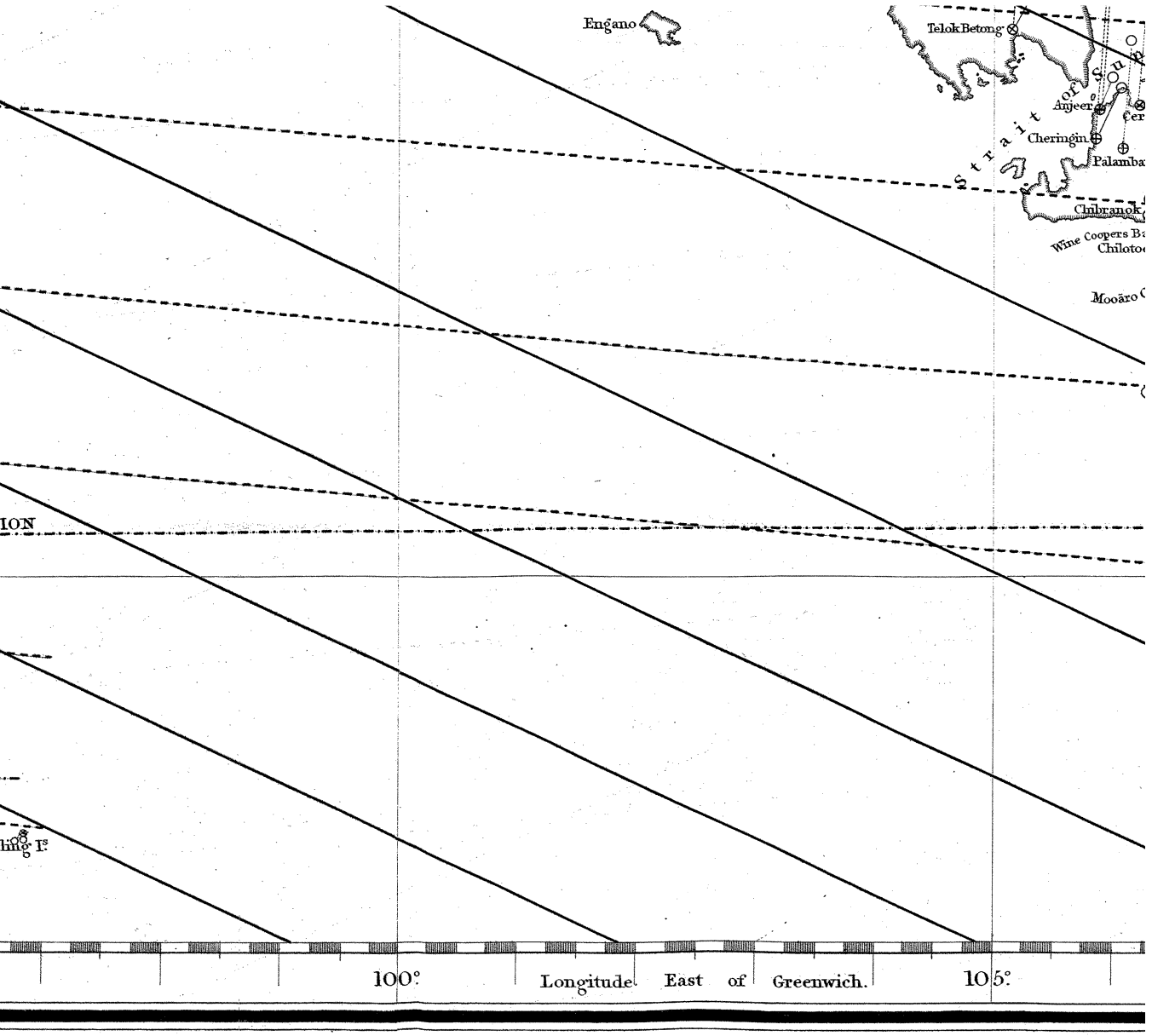
Points furnished for the adjacent Isodynamic Lines

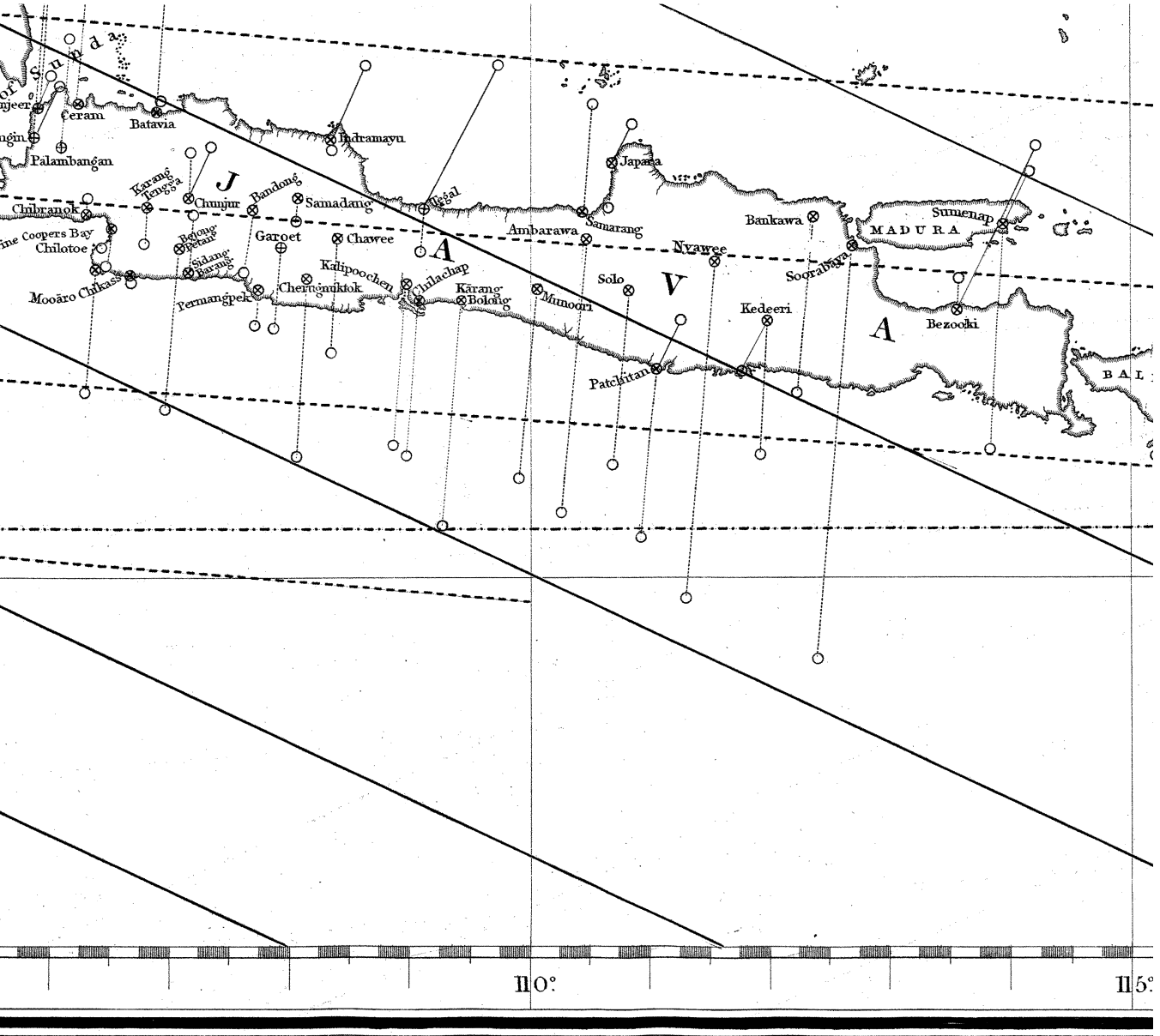
10°

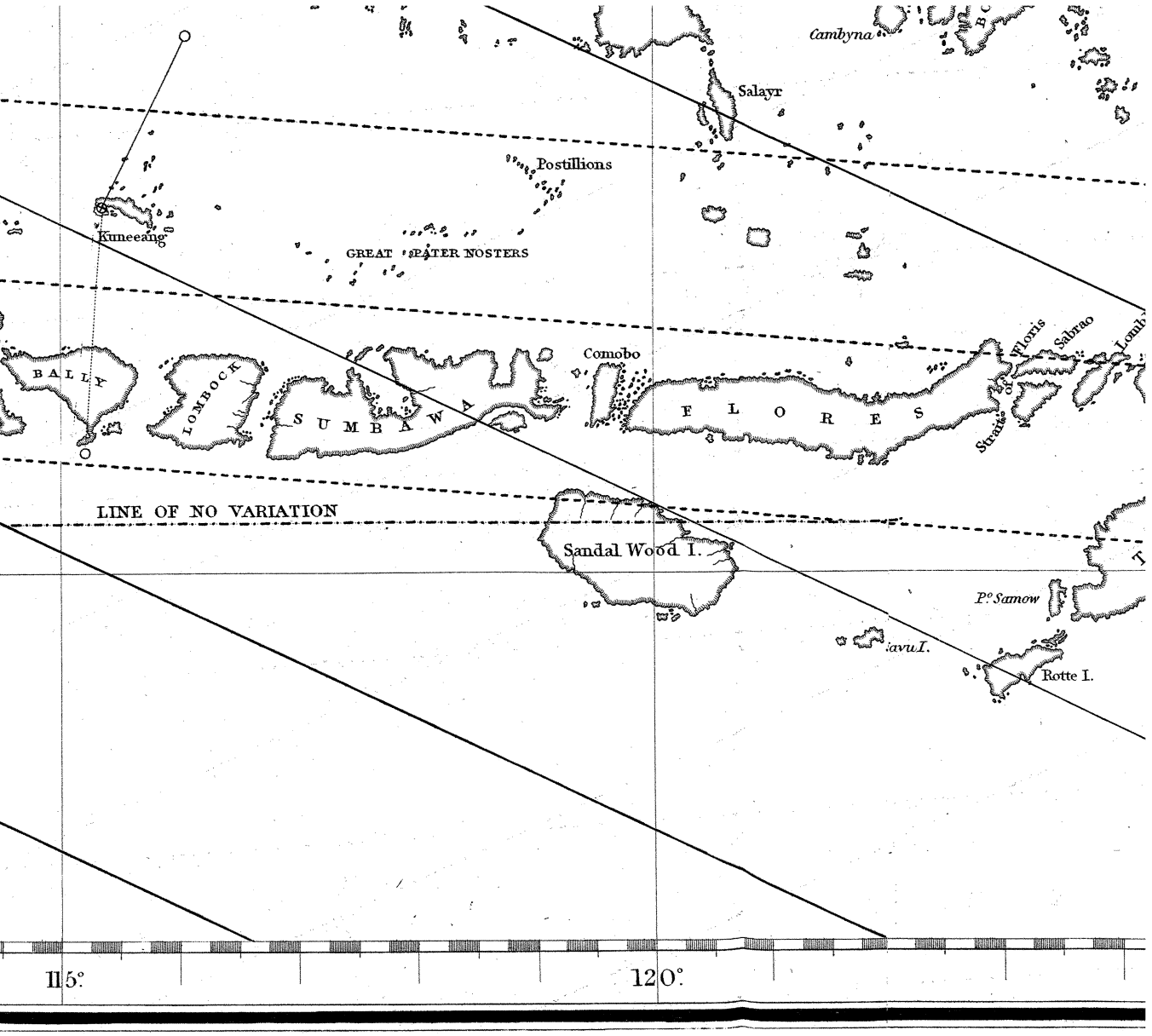
80°

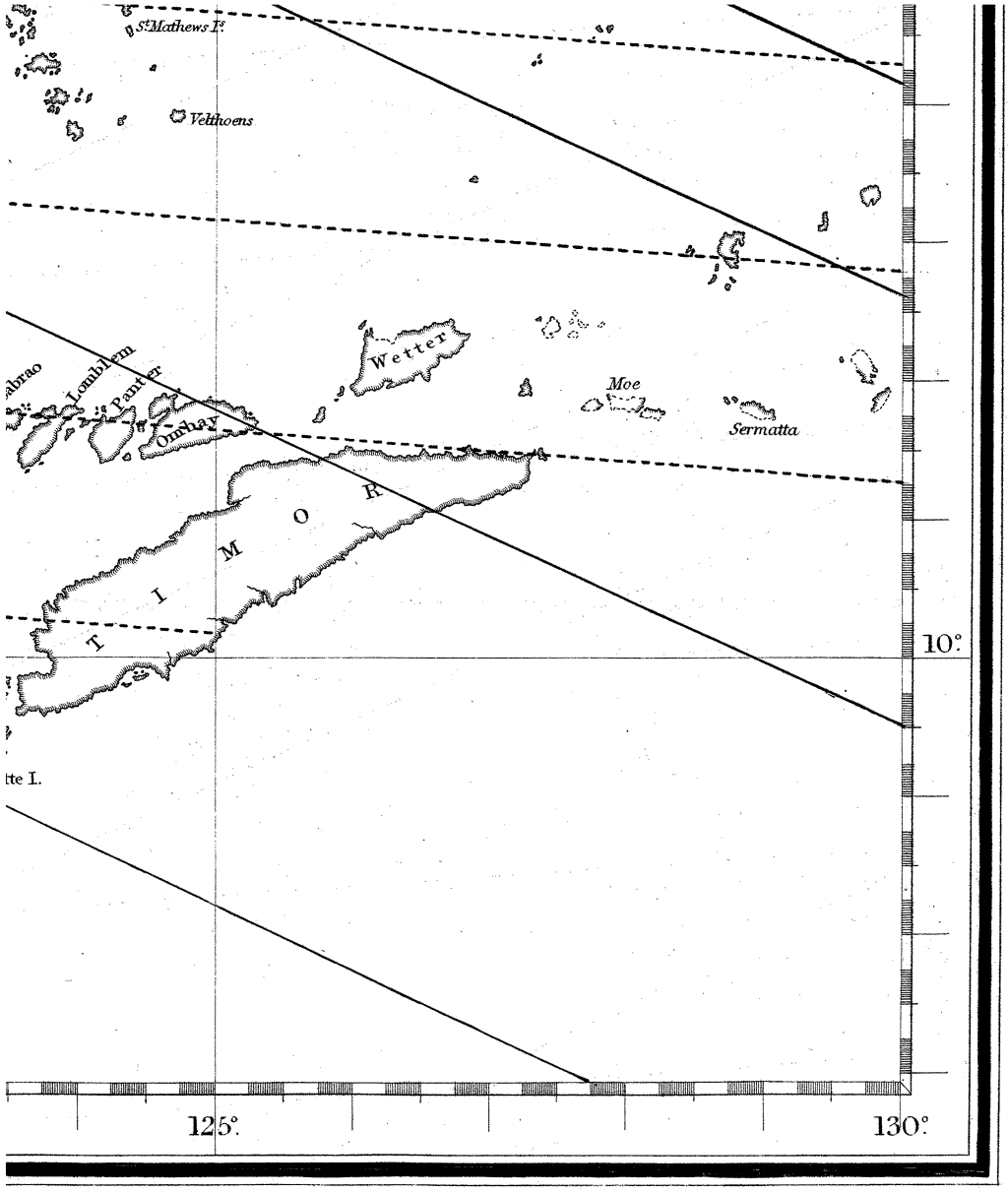
85°


Horizontal Intensity-7.5
Horizontal Intensity-7.4
Horizontal Intensity-7.3
Horizontal Intensity-7.2
Total Intensity-9.0
Total Intensity-9.1
Total Intensity-9.2
Total Intensity-9.3
Total Intensity-9.4
LINE OF NO VARIATION
Line of 1° Variation West.
Cocos or Keeling Is
90°
95°


Engano
Telok Betong
Anjeer
Cheringin
Palamba
Chibranok
Mooāro
ION
100°
Longitude East of Greenwich.
105°


Ceram
Batavia
Indramayu
Palambangan
Japara
Karang Tenga
Chunjur
Bandong
Samadang
Tegal
Ambarawa
Samarang
Bankawa
Sumenap
MADURA
Chibranok
Chilotoe
Garoet
Chawee
Nyawee
Sooraboya
Kalipoochen
Chilachap
Karang Bolong
Munoom
Solo
Kedeeri
Bezooki
Mooaro Chikass
Permangpek
Cheringuktok
Patchitan
J
A
V
A
BAL
110°
115°


Cambyna
Salayr
Postillions
Kuneeang
GREAT PATER NOSTERS
BALLY
LOMBOCK
SUMBAWA
Comobo
FLORES
Straits of Floris
Sabrao
LINE OF NO VARIATION
Sandal Wood I.
P.e Samow
Rotte I.
115°
120°



Engraved by J. & C. Walker

CHART of the MAGNETIC SURVEY OF THE INDIAN ARCHIPELAGO SHEWING THE ISOCLINAL LINES OR LINES OF EQUAL MAGNETIC DIP AND Lines of Equal Magnetic Declination

By Captain Elliot, Madras Engineers.

Stations of Observation
Points furnished for the adjacent Isoclinal Lines
Central Stations

Line of 30° North Dip.
Line of 20° North Dip.
Line of 10° North Dip.
CENTRAL LINE OF MAXIMUM HORIZONTAL INTENSITY
CENTRAL LINE OF MINIMUM TOTAL INTENSITY
0° North Dip.
LINE OF NO DIP
0° South Dip.
Line of 10° South Dip.
Line of 20° South Dip.
Line of 30° South Dip.
Line of 40° South Dip.
10° Variation West
LINE OF NO VARIATION
LINE OF 1° Variation West

Longitude East of Greenwich

Engraved by J.& C.Walker.


CHART
of the
MAGNETIC SURVEY
OF THE
INDIAN ARCHIPELAGO
SHEWING THE
ISODYNAMIC LINES,
OR
LINES OF EQUAL HORIZONTAL INTENSITY,
AND
Lines of Equal Total Intensity
BY
Captain Elliot
Madras Engineers.
Stations of Observation
Points furnished for the adjacent Isodynamic Lines
CENTRAL LINE OF MAXIMUM HORIZONTAL INTENSITY
CENTRAL LINE OF MINIMUM TOTAL INTENSITY
CENTRAL LINE OF NO DIP
LINE OF NO VARIATION
Line of 1° Variation East
Line of 1° Variation West
Longitude East of Greenwich
CEYLON
ANDAMAN ISLANDS
PEGU
SIAM
COCHIN CHINA
CAMBODIA
GULF OF SIAM
GULF OF TONGQUIN
HAI-NAN
CHINA SEA
MALACCA STRAIT
SUMATRA
BORNEO
JAVA SEA
JAVA
MINDORO SEA
CELEBES SEA
CELEBES
MOLUCCA PASSAGE
SULLA ISLANDS
TIMOR
FLORES
MADURA
BALLY