96
1086
3
136692
apr.

New Series (Monthly). Vol. I. Part I. Price Rs. 0.75.

126

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(Latitude 20°5′39″ S.—Longitude 3h 50m 12s·6 E.)

RESULTS

+ Mauritius

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY, 1915

LIBRARY
SEP 26 2002
National Oceanic & Atmospheric Administration
U.S. Dept. of Commerce

A. WALTER, F. R. A. S.,
Director.

Published by Authority of His Excellency the Governor.

40041

MAURITIUS.
PRINTED AT THE GOVERNMENT PRESS.
1915.

QC
994.5
.R38
new ser.
v. 1
(1915)

National Oceanic and Atmospheric Administration

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This has been a co-operative project between the NOAA Central Library and the Climate Database Modernization Program, National Climate Data Center (NCDC). To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or Library.Reference@noaa.gov

HOV Services
Imaging Contractor
12200 Kiln Court
Beltsville, MD 20704-1387
March 04, 2010

In view of the delay in printing the back volumes of observations, His Excellency the Governor has authorised the issue of a monthly bulletin of Magnetical, Meteorological and Seismological observations which, beginning with the year 1915, will replace the annual volume of observations formerly published and will appear about the 20th. of the month following that to which it refers.

The new monthly bulletin includes the results of all observations the early publication of which is of interest and importance to agriculture, to various other industries of the Colony and to the scientific world in general.

Concurrently with the monthly bulletin will appear occasional publications in the form of "Annals of the Royal Alfred Observatory".

With regard to the back volumes of observations that for 1910 is nearly completed and there remain in the printers' hands the M. SS. for 1911 to 1914 inclusive. The printing of these volumes is being brought up to date gradually as the pressure of work at the Printing Office permits. They will probably be completed in the course of the next three years.

20th. February, 1915.

A. W.

PREFACE

The present publication forms the first number of a new series of monthly results of observations made under the control of the Director of the Royal Alfred Observatory.

The tables are, with few exceptions, self-explanatory. In Table I—Daily Results of Meteorological Observations—the values in columns 1, 6, 7, 21, 22 and 27 are derived from the hourly measures of the self-recording instruments by the formula

$$x = \left(\frac{x_0 + x_{24}}{2} + x_1 + x_2 \ldots\ldots + x_{23}\right) \div 24$$

in which x_0, x_1, $x_2 \ldots\ldots x_{24}$, represent the value of the element at the hours 0, 1, 2.....24. The same remarks apply to the first three columns of Table (ii) page (iv).

The mean temperature of the dew-point, the degree of humidity and the elastic force of vapour (cols. 9, 11 and 13) are derived from the mean daily temperature of the air, and of evaporation by means of Glaishers' Hygrometrical Tables and are not the means of twenty four hourly values.

The amount of evaporation (col. 17) is obtained from the readings of a Negretti and Zambra evaporometer which consists of a cylindrical brass vessel 8 inches in diameter and 4 inches deep. The amount of water in the vessel is measured at midnight.

The amount of rainfall given in column 15, refers to the Civil Day counting from 0^h to 24^h.

In column 34—Weather—the colons divide the day into intervals of three hours or multiples of three hours. The abbreviations have the following significance.

b	blue sky, cloudless or nearly so.	*o*	overcast.
c	partially cloudy.	*p*	passing showers.
d	drizzle.	*q*	squally
f	fine.	*r*	continuous rain.
g	gloomy.	*t*	distant thunder.
l	lightning.	*t.s.m.*	thunderstorm.

The percentage variations of rainfall in the various districts given at the foot of page iii have been referred to the River Systems adopted in the " Report of the Commission on Irrigation in Mauritius " in order to meet the requirements of the agricultural and irrigation services of the Colony.

The " Rainfall at selected Stations in Mauritius " (Table xii) is measured about 9^h and the amount entered for the day on which it is measured.

The state of sea on the reefs at stations round the coast (Table XV) serves to estimate the direction of the sea wave in connexion with the study of cyclonic storms and extra-tropical gales. Correct directions are observed at Port Louis only, but the state of the sea at other stations when considered in relation to their geographical positions, provides valuable information concerning the direction of the wave.

A chart of the Island showing the approximate positions of the rainfall and coast stations, together with the positions of the watersheds is in preparation and will be issued shortly.

All times refer to the Civil Day counting from 0^h to 24^h (midt. to midt.) in Mauritius Standard time, 4^h fast on Greenwich.

February 20.1915.

A. WALTER,

Director.

NEW SERIES (MONTHLY). VOL. I. PART I. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1915.

Month and Day. 1915.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
Jan. 1	29·857	+·085	86·8	71·2	15·6	77·7	−0·6	71·1	64·9	− 4·5	65	− 9	·614	67·2	0·010	10	·290	5·3
2	29·865	+·095	84·0	71·7	12·3	77·5	−0·8	70·2	64·9	− 4·5	65	− 9	·614	65·1	0·000	...	·270	5·5
3	29·893	+·125	85·0	72·6	12·4	77·3	−1·0	70·2	65·1	− 4·4	66	− 9	·618	64·7	0·000	...	·260	7·6
4	29·893	+·127	84·4	69·6	14·8	76·5	−1·8	69·7	64·9	− 4·7	68	− 7	·614	65·5	0·075	25	·305	4·6
5	29·895	+·132	84·5	68·2	16·3	75·8	−2·5	69·0	63·9	− 5·7	67	− 8	·593	62·1	0·055	10	·255	4·1
6	29·883	+·122	85·4	69·0	16·4	77·2	−1·2	69·1	63·4	− 6·3	63	−12	·583	60·4	0·020	10	·340	4·7
7	29·874	+·115	86·6	68·6	18·0	78·0	−0·4	69·5	63·6	− 6·2	61	−14	·587	64·4	0·000	...	·220	3·2
8	29·853	+·096	88·3	72·0	16·3	78·6	+0·2	70·7	65·1	− 4·8	63	−12	·618	66·6	0·000	...	·290	5·1
9	29·844	+·089	86·7	72·8	13·9	79·1	+0·7	73·0	68·8	− 1·2	71	− 4	·703	70·7	0·035	15	·345	6·5
10	29·868	+·116	86·6	73·6	13·0	79·1	+0·7	71·1	65·5	− 4·6	63	−13	·627	70·5	0·000	...	·320	4·0
11	29·881	+·131	85·6	70·6	15·0	78·1	−0·3	70·8	65·7	− 4·4	66	−10	·631	65·7	0·000	...	·310	4·3
12	29·877	+·129	87·0	72·1	14·9	78·9	+0·4	70·9	65·2	− 5·0	63	−13	·621	68·2	0·000	...	·310	3·7
13	29·891	+·145	88·4	72·3	16·1	79·2	+0·7	71·3	65·9	− 4·3	64	−12	·636	67·1	0·000	...	·350	4·1
14	29·885	+·141	86·4	71·4	15·0	77·2	−1·3	70·7	66·1	− 4·1	69	− 7	·640	68·9	0·110	30	·280	6·5
15	29·864	+·122	85·7	71·1	14·6	77·6	−0·9	71·3	66·8	− 3·5	69	− 7	·656	67·1	0·005	5	·285	6·1
16	29·861	+·121	85·8	72·1	13·7	78·6	+0·1	71·6	66·7	− 4·6	67	− 9	·654	68·2	0·015	10	·285	5·7
17	29·892	+·153	90·4	70·6	19·8	79·9	+1·4	71·7	66·1	− 3·3	63	−13	·640	62·0	0·000	...	·290	2·8
18	29·888	+·151	90·9	69·6	21·3	79·1	+0·6	72·3	67·6	− 2·9	68	− 9	·674	62·6	0·200	100	·290	4·3
19	29·834	+·098	88·9	70·6	18·3	78·0	−0·6	72·2	68·0	− 2·5	72	− 4	·684	63·9	0·000	...	·210	7·9
20	29·756	+·022	90·5	71·9	18·6	79·4	+0·8	72·4	67·6	− 2·9	73	− 3	·674	66·9	0·000	...	·280	6·7
21	29·729	−·004	89·5	69·7	19·8	79·8	+1·2	71·7	66·1	− 4·4	64	−12	·640	64·9	0·000	...	·300	6·7
22	29·770	+·038	89·5	70·6	18·9	79·8	+1·2	72·0	66·5	− 4·1	64	−13	·649	63·9	0·000	...	·320	6·0
23	29·818	+·087	87·3	74·5	12·8	80·6	+2·0	73·3	68·4	− 2·2	67	−10	·693	70·9	0·000	...	·390	9·3
24	29·789	+·059	82·6	75·7	6·9	78·7	+0·1	74·5	71·7	+ 1·1	79	+ 2	·775	75·1	0·125	80	·115	9·8
25	29·774	+·045	89·5	74·5	15·0	80·6	+2·0	74·7	70·5	− 0·2	72	− 5	·744	70·2	0·000	...	·250	5·5
26	29·769	+·041	90·5	71·5	19·0	80·9	+2·3	74·1	69·4	− 1·3	68	− 9	·717	66·4	0·240	55	·210	6·6
27	29·785	+·057	90·3	74·5	15·8	81·3	+2·7	75·7	71·9	+ 1·2	73	− 4	·781	70·3	0·000	...	·240	7·2
28	29·816	+·089	91·5	71·9	19·6	81·5	+2·9	74·8	70·2	− 0·6	69	− 8	·737	66·6	0·000	...	·290	7·4
29	29·832	+·105	84·8	76·5	8·3	80·7	+2·1	76·2	73·1	+ 2·3	78	+ 1	·813	74·3	0·120	100	·150	8·7
30	29·800	+·074	89·5	74·5	15·0	80·7	+2·1	74·7	70·4	− 0·4	71	− 6	·742	69·8	0·010	5	·340	5·3
31	29·750	+·024	91·4	73·3	18·1	81·5	+2·9	74·0	69·0	− 1·8	66	−11	·707	66·4	0·010	10	·180	3·9
Mean	29·838	+·094	87·6	71·9	15·7	79·0	+0·5	72·1	67·2	− 3·1	67·6	−8·4	·667	67·0	Sum 1·030	Sum 465	·276	5·8
Average	29·774	...	85·9	72·8	13·1	78·5	...	73·6	70·3	...	76·0	...	·738	68·8	7·609	2124	·238	6·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of January.

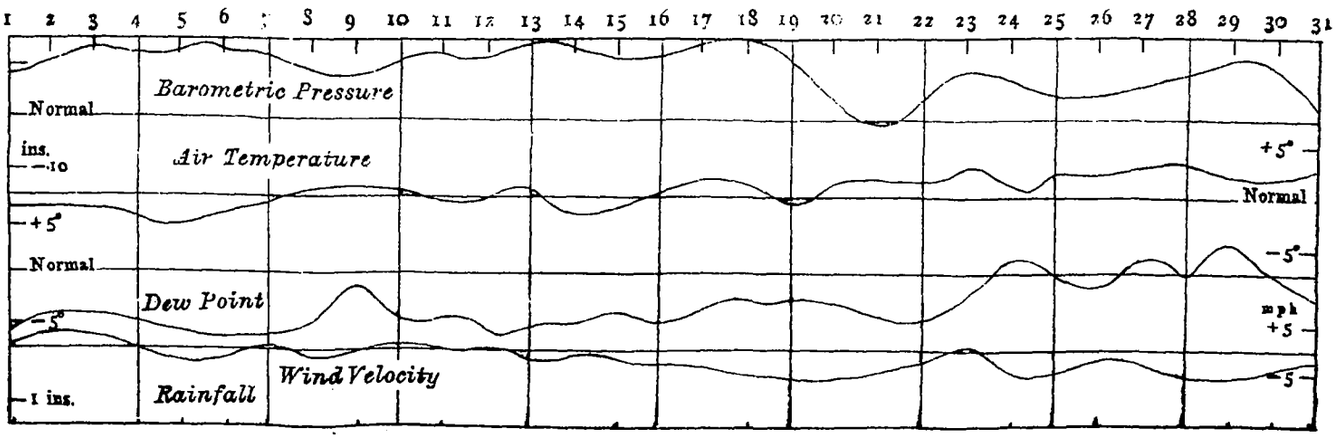


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
Jan. 1	11·1	83	0·0	+11·6	90	11·6	− 1	+ 3·1	12·2	+ 1·2	76·06	78·9	...	...	...	f. : c. : c.p: f.
2	12·0	90	− 1·9	+14·2	82	14·3	− 8	+ 5·8	14·6	+ 3·6	76·26	79·2	...	...	...	c. : f
3	4·8	36	− 1·2	+14·3	85	14·3	− 5	+ 5·8	14·8	+ 3·8	76·26	79·0	...	...	...	f. : c. : c.g. : f.
4	11·1	83	− 1·3	+11·1	83	11·4	− 7	+ 2·9	11·9	+ 0·9	76·26	79·1	...	...	...	f.p. : f. : c.p. : f.
5	9·9	74	− 3·0	+ 9·0	72	9·5	− 17	+ 1·0	10·1	− 0·9	76·11	79·2	...	...	...	f. :o.p: f. : b.
6	12·0	91	− 2·9	+ 9·7	74	10·1	− 15	+ 1·6	10·7	− 0·3	76·11	79·2	...	...	...	c.p.: f.
7	11·6	88	− 1·5	+10·7	82	10·8	− 7	+ 2·3	11·4	+ 0·4	76·16	79·2	...	...	...	b. : f. b.
8	7·8	59	− 3·0	+ 9·4	72	9·9	− 17	+ 1·4	10·3	− 0·7	76·26	79·4	...	...	...	b. : f. : c.
9	9·7	73	+ 1·8	+10·1	100	10·3	+ 12	+ 1·8	11·1	+ 0·1	76·46	79·6	...	...	...	o.g.p. : c. : f. : b.
10	11·8	89	− 1·2	+12·2	84	12·3	− 4	+ 3·8	12·7	+ 1·7	76·26	79·4	...	...	...	f.
11	11·1	84	− 3·1	+11·0	74	11·4	− 14	+ 2·9	11·8	+ 0·7	76·26	79·4	...	...	...	f.
12	12·0	91	− 0·3	+11·3	89	11·3	+ 2	+ 2·9	11·9	+ 0·8	76·46	79·7	...	...	...	b. : f.
13	11·0	83	− 1·9	+10·4	80	10·6	− 7	+ 2·2	10·9	− 0·2	76·26	79·4	...	...	...	f.
14	7·1	54	− 0·7	+ 9·7	86	9·7	− 1	+ 1·3	10·4	− 0·7	76·26	79·5	...	...	...	f.p.: f. : c.q.p. : c.
15	8·2	62	− 0·7	+ 9·3	86	9·3	0	+ 0·9	10·1	− 1·0	76·46	79·6	...	...	...	c. : f. : c.f. : c.
16	10·3	78	+ 1·0	+ 8·4	97	8·4	+ 11	0·0	9·3	− 1·8	76·26	79·7	..	...	...	c.p.: f. : c.f. : f.
17	10·6	81	+ 3·8	+ 5·6	124	6·8	+ 38	− 1·6	7·9	− 3·2	76·46	79·8	...	...	...	f. : b.
18	10·6	81	+ 1·3	+ 4·2	107	4·4	+ 21	− 4·0	7·6	− 3·5	76·46	79·8	...	...	...	b. : f. : c.p.
19	4·9	37	− 0·2	+ 0·7	74	0·7	− 12	− 7·7	6·9	− 4·2	76·86	80·2	...	...	...	c. : o
20	7·3	56	+ 3·2	+ 1·5	155	3·6	+ 70	− 4·8	6·9	− 4·2	76·46	80·0	...	...	...	o. : c. : b.
21	10·1	77	+ 3·1	+ 5·5	120	6·3	+ 35	− 2·1	8·1	− 3·0	76·66	80·2	...	...	...	f. : c. : c.
22	10·3	79	+ 2·9	+ 8·9	108	9·3	+ 23	+ 0·9	10·2	− 0·9	76·46	80·1	86·55	85·70	85·72	c.
23	4·0	30	+ 1·9	+11·2	100	11·4	+ 15	+ 3·0	11·5	+ 0·4	76·46	80·2	87·19	86·88	87·58	c. : o.g.
24	0·1	0	+ 0·7	+ 7·0	96	7·0	+ 12	− 1·4	7·8	− 3·3	76·46	80·3	86·97	86·13	84·45	o.g. :o.gp: o.g.
25	9·9	76	+ 3·1	+ 7·1	114	7·8	+ 30	− 0·5	8·5	− 2·6	76·46	80·4	85·28	84·89	85·52	c. : f : c. : f.
26	10·2	78	+ 5·4	+ 6·5	130	8·4	+ 46	+ 0·1	10·1	− 1·0	76·76	80·6	85·81	85·22	84·81	f. : c. :c.p.
27	8·9	68	+ 7·5	+ 5·2	145	9·1	+ 61	+ 0·8	9·5	− 1·6	76·66	80·4	85·49	85·59	85·38	c. : f. : c. :c.l.
28	9·5	73	+ 3·0	+ 6·4	115	7·1	+ 31	− 1·2	8·1	− 3·0	76·66	80·4	86·10	85·92	86·15	c.f. : c. :og.
29	2·6	20	+ 4·0	+ 6·7	121	7·8	+ 38	− 0·5	8·1	− 3·0	76·56	80·5	86·80	86·16	84·86	o.g.p. :ogt: o. .ogt. c. : p.
30	8·7	67	+ 1·7	+ 8·5	101	8·6	+ 18	+ 0·3	8·8	− 2·3	76·76	80·6	85·48	85·03	85·72	f. : c.p: c. : f. : b.
31	10·6	82	+ 3·4	+ 7·6	114	8·3	+ 31	0·0	9·2	− 1·9	76·66	80·6	86·49	86·57	86·77	b. : f. :c.p.
Mean -	9·02	68·6	+ 0·80	+ 8·55	85·2	8·59	− 1·3	+0·17	10·11	−0·96	76·42	79·80	86·22	85·81	85·70	...
Average	7·92	60·2	− 0·52	+ 8·40	86·5	8·42	...	...	11·07	...	76·68	79·67	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The characteristic feature of the month has been the persistence of general anticyclonic conditions. Pressure remained much above normal on all days except the 21st. when there were indications of disturbed weather in the Mozambique Channel regions.

Temperature was below normal for the first week of January, oscillated about normal until the 19th. and remained about 2° above normal for the remainder of the month.

The highest dew point temperature was 74°·7 at 0^h on the 29th. ; and the lowest 60°·4 at 16^h on the 6th.

The highest relative humidity was 93% at 3^h on the 25th. ; and the lowest 42% at 15^h on the 17th.

Lightning was seen at 21^h on the 27th. and distant thunder heard at 9^h and from 16^h to 17^h on the 29th.

Rainfall was 87% below normal at the Observatory. The percentage variation from the normal in other parts of the Island was as follows :—

Northern Districts	River System 1,	79 % below normal	Western Districts	,, ,, 11	79 % below normal.
Eastern Districts	,, ,, 2, 3, 4.	62 % below ,,		,, ,, 12	75 % below ,,
South-Eastern Districts	,, ,, 5, 6	62 % below ,,		,, ,, 13	76 % below ,,

TABLE II.—DAILY RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of JANUARY 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force. (Unit 1 γ)	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′				h m	h m	h m	″	h m	h m	h m	″	
Jan. 1	9.37·0	·23231	...	5·8	81	10										
2	37·3	237	...	8·4	20	13										
3	36·9	245	...	8·4	30	13										
4	36·9	247	...	11·0	23	13										
5	36·7	259	...	12·4	88	22	1386	18.56·0	19.15·4	19.30·7	0·09	18.50·8	19.26·8	19.47·1	0·22	
6	37·3	284	...	7·0	13	...	1387	...	4. 0·5	...	0·10	3.20·2	4. 7·0	4.52.9	0·26	
7	37·5	242	...	12·2	32	...										
8	38·2	237	...	7·8	28	26										
9	37·5	246	...	13·0	25	...										
10	37·7	244	·30868	4·0	23	8										
11	37·0	254	868	5·0	37	10										
12	37·8	250	869	4·6	35	7										
13	37·2	246	869	6·2	26	6	1388	...	11.33·8	...	...	...	11.35 6	...	...	Commencement lost. Lamp changed.
14	38·0	234	869	6·6	35	27										
15	37·9	235	870	5·0	43	13										
16	37·4	246	871	9·4	37	14										
17	38·4	244	869	8·6	13	16										
18	38·6	255	869	8·2	32	17										
19	38·0	249	866	9·4	29	24										
20	38·3	254	862	10·4	26	35										
21	38·2	249	865	9·4	24	21										
22	38·5	254	866	9·0	29	16										
23	38·4	243	869	6·0	31	13										
24	38·7	248	867	10·8	48	19										
25	39·3	234	866	7·0	67	19	1389	...	18.37·5	...	...	...	...	...	...	Register faint.
26	38·8	237	869	5·2	45	15										
27	38·5	227	869	7·8	37	21										
28	37·8	233	870	10·8	43	32										
29	39·0	229	869	9·4	25	32										
30	38·6	234	866	12·8	35	38										
31	39·5	233	866	9·8	24	35										
Mean	9.37·96	·23244	·30868	8·43	35·0	19·1	...	...	...	...	...	...	...	...	...	...

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of JANUARY 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.	MAGNETIC DISTURBANCES. Element.	Time of. Beg:	Time of. End.	Time of. Max.	Time of. Min.	Total Range
d h m	° ′	d h m		d h m	° ′		d h m	d h	d h m	d h m	γ
Jan. 8. 8.42	9·41·4	Jan. 8. 9.38	·23257	Jan. 5. 8.41	53. 0·3	Hor. Force	4. 1.50	6.7	5.10.19	5.18. 7	84
13.44	9·35·1	13. 5	·23237	9. 8.36	53. 2·8	,, ,,	24.22.00	26.4	25. 8. 5	25.20.40	77
14. 8.32	9·41·4	14. 8.58	·23231	13. 9.00	53. 2·3						
13.48	9·34·2	13.35	·23248	18. 8.45	53. 2·0						
21. 8.49	9·41·5	21. 9.50	·23245	23. 8.56	53. 0·3						
13.54	9·35·2	13.11	·23236	25. 8.46	52.59·2						
28. 8.32	9·42·2	28. 9.31	·23229	27. 8.30	53. 1·0						
13.50	9·31·8	13. 4	·23260	30. 9. 1	53. 4·2						

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

January 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour. \ Day.
	ins. 29·000																
Midnight	866	891	901	921	912	911	881	881	871	866	911	900	901	901	892	878	Midnight
1h	841	870	872	909	895	900	872	870	852	859	889	875	889	889	865	865	1h
2	835	857	869	895	875	891	868	859	834	851	877	867	880	879	857	857	2
3	829	855	864	875	869	882	859	851	827	838	868	866	869	874	857	848	3
4	830	855	868	869	868	888	859	844	830	837	869	867	873	869	854	858	4
5	837	859	875	877	880	898	870	850	839	849	873	869	881	877	856	861	5
6	847	870	895	889	895	908	890	859	850	860	884	881	900	894	861	870	6
7	860	881	921	896	911	911	903	880	866	876	898	897	918	901	880	884	7
8	867	882	927	901	922	912	911	884	876	876	901	901	921	902	884	882	8
9	870	880	928	909	923	903	912	884	873	873	911	901	917	903	888	883	9
10	869	872	913	903	913	898	909	873	863	873	900	893	912	898	886	880	10
11	862	864	909	895	904	892	896	864	853	860	894	893	903	894	879	871	11
Noon	856	849	894	887	896	874	884	844	837	855	881	882	884	892	874	859	Noon
13h	846	844	889	874	874	863	874	834	833	846	864	868	869	889	869	844	13h
14	839	835	875	864	872	845	855	815	807	837	845	850	860	866	850	825	14
15	826	825	865	853	861	835	835	804	800	830	833	833	850	858	825	814	15
16	825	824	855	858	859	831	826	797	790	827	827	829	850	845	824	810	16
17	836	833	864	869	873	835	825	806	802	842	840	840	866	851	827	814	17
18	847	844	872	884	884	854	834	823	822	859	854	854	876	863	834	830	18
19	865	866	884	900	904	874	862	844	844	894	874	874	899	882	859	849	19
20	887	886	904	914	913	890	874	862	859	912	899	884	907	891	870	873	20
21	904	900	914	924	924	901	892	876	873	921	914	904	922	904	879	890	21
22	910	908	928	933	929	902	895	889	885	935	924	913	923	913	885	903	22
23	911	911	932	927	922	902	895	884	881	931	921	912	921	911	885	907	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Hour. \ Day.
	ins. 29·000																
Midnight	898	933	880	804	746	758	823	826	818	776	778	830	837	844	778	858	Midnight
1h	888	925	865	790	728	747	803	799	798	767	768	810	821	836	771	843	1h
2	876	909	857	777	710	745	797	777	779	752	758	786	815	821	758	831	2
3	867	895	849	760	694	737	792	757	782	747	751	775	812	799	747	822	3
4	867	903	847	749	696	728	784	756	758	748	756	776	808	791	737	821	4
5	874	914	853	758	707	729	797	761	769	759	767	779	807	800	740	828	5
6	885	927	861	768	719	752	815	776	780	777	788	793	829	816	751	842	6
7	900	929	867	772	729	777	830	786	787	798	799	826	851	826	767	856	7
8	902	929	861	778	725	787	839	794	792	798	799	829	852	830	769	859	8
9	904	921	861	774	738	786	842	797	790	801	793	852	858	828	768	860	9
10	900	911	860	776	732	786	835	794	787	798	799	852	861	825	758	856	10
11	893	891	841	768	722	776	834	795	776	791	790	838	854	821	758	848	11
Noon	888	871	827	753	720	768	836	789	771	781	780	821	843	811	751	837	Noon
13h	870	860	820	750	712	768	821	793	754	769	771	806	823	798	738	827	13h
14	861	841	807	730	706	749	805	786	751	749	762	786	811	785	721	813	14
15	855	829	791	721	700	732	796	781	741	739	757	786	809	768	713	802	15
16	857	823	782	719	701	728	788	770	736	730	754	789	809	755	716	798	16
17	867	835	792	720	712	745	787	770	745	735	759	803	807	757	719	806	17
18	893	858	814	728	732	760	800	780	760	745	770	820	832	767	729	820	18
19	909	878	820	745	749	785	828	791	772	755	797	824	841	776	745	838	19
20	927	882	826	750	767	814	836	804	785	769	809	836	834	792	756	852	20
21	935	892	825	760	778	831	842	809	788	777	827	849	838	790	768	863	21
22	941	893	825	768	788	835	852	819	792	787	839	860	853	798	770	871	22
23	939	886	819	758	788	835	844	825	787	797	839	863	853	789	779	869	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

January 1915.

Day. / Hour.	1d.*		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	73·6	70·1	73·5	69·6	74·5	70·1	72·5	68·7	72·5	68·0	69·8	66·3	73·3	69·0	74·0	69·5	Midnight
1h	...	...	73·3	69·6	74·5	69·8	71·5	68·8	72·4	67·5	70·2	67·1	72·7	68·7	...	...	1h
2	...	...	71·7	68·7	73·6	69·5	71·5	69·3	71·8	67·5	70·5	67·7	73·3	68·7	...	...	2
3	71·8	69·6	71·8	68·7	73·7	69·4	71·5	68·1	70·5	66·6	70·7	68·0	71·8	68·2	72·0	68·9	3
4	...	...	71·7	68·7	73·5	70·0	70·5	67·6	70·1	66·5	69·5	66·2	71·3	67·8	...	...	4
5	...	...	72·6	69·0	73·3	69·9	70·1	67·0	69·6	66·8	69·0	66·1	69·6	67·0	...	...	5
6	71·8	69·5	72·8	69·6	73·6	70·3	71·1	67·8	69·1	66·7	69·6	67·2	69·6	66·9	73·0	70·1	6
7	...	...	77·6	70·6	76·2	71·4	76·1	70·8	75·6	70·0	75·1	70·1	76·6	70·1	...	...	7
8	...	...	79·9	70·5	78·6	70·7	78·3	70·1	76·8	70·2	79·0	70·3	80·0	70·1	...	...	8
9	82·0	72·0	80·1	70·8	79·6	70·3	79·7	70·2	73·6	70·7	79·9	69·6	82·5	71·3	80·8	71·0	9
10	...	...	82·1	70·8	82·1	71·3	82·6	71·6	77·9	71·2	81·6	70·1	83·6	69·3	...	...	10
11	...	...	82·9	71·0	82·7	70·5	83·0	71·2	79·5	71·0	82·8	71·0	84·5	71·0	...	...	11
Noon	86·8	71·1	82·5	71·5	84·5	72·1	82·8	71·1	81·5	71·9	84·4	71·1	85·2	70·6	88·1	72·1	Noon
13h	...	...	83·3	71·9	82·8	71·6	81·8	72·1	82·5	71·1	84·5	70·5	86·4	71·1	...	...	13h
14	...	...	82·8	70·5	82·2	70·2	81·9	70·9	83·5	70·7	85·3	68·6	85·0	71·1	...	...	14
15	82·8	73·0	82·5	71·4	80·3	70·1	82·4	71·6	83·8	70·3	83·8	70·1	84·8	70·1	83·8	70·3	15
16	...	...	82·5	71·1	79·1	69·6	78·5	71·1	83·1	70·4	83·6	69·7	83·0	70·1	...	...	16
17	...	...	80·9	70·6	78·6	70·8	79·5	71·3	81·0	70·1	81·9	69·4	82·0	70·0	...	...	17
18	77·0	71·9	78·7	69·8	77·5	70·2	78·3	69·9	79·0	69·1	80·3	69·9	79·7	70·4	80·3	71·1	18
19	...	...	76·8	69·9	76·6	69·9	76·5	69·2	76·5	68·7	77·3	69·6	77·5	69·3	...	...	19
20	...	...	75·8	69·8	75·9	70·1	75·1	69·3	74·5	68·1	76·5	70·1	75·8	69·4	...	...	20
21	75·6	70·9	75·4	69·7	75·5	70·1	74·0	69·0	73·4	68·0	75·1	70·1	74·8	69·5	77·1	72·1	21
22	...	...	75·0	70·0	74·6	69·2	73·2	68·4	72·3	67·6	75·0	70·0	74·5	69·5	...	...	22
23	...	...	74·5	70·2	73·5	69·1	72·6	68·0	70·9	67·1	74·5	69·3	74·2	69·5	...	...	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	73·5	71·9	75·8	71·6	74·5	69·6	73·3	69·0	75·7	71·5	74·5	71·4	72·2	70·3	72·9	70·6	Midnight
1h	72·8	71·1	74·5	71·3	74·5	70·1	73·4	69·1	75·3	71·2	73·7	70·9	72·2	70·4	72·8	70·4	1h
2	73·5	71·2	74·0	70·9	73·4	69·1	73·2	68·9	74·4	70·6	73·5	70·7	73·1	71·1	73·4	70·3	2
3	74·2	71·8	73·6	70·6	72·5	68·7	72·5	68·5	73·5	70·1	72·6	70·1	72·5	70·5	72·2	68·6	3
4	74·5	72·4	74·5	70·6	71·5	68·5	72·2	68·2	72·7	69·6	72·8	69·5	72·0	70·1	72·9	70·1	4
5	74·6	72·2	73·6	70·0	70·9	68·0	72·4	68·2	72·4	69·5	72·1	69·3	71·6	69·9	72·9	70·4	5
6	74·9	72·7	73·6	70·2	71·2	67·9	72·7	68·2	72·9	69·9	71·6	69·0	71·3	69·5	72·0	69·5	6
7	75·5	73·2	77·6	71·8	76·6	71·1	77·1	70·3	77·4	71·6	76·8	71·2	73·8	71·6	76·6	72·1	7
8	78·6	74·3	79·1	71·6	79·6	71·1	80·6	71·1	80·1	72·4	77·6	71·5	78·1	71·5	79·6	72·1	8
9	81·1	73·6	82·6	72·1	81·1	72·0	81·6	71·4	82·1	72·5	81·8	71·3	81·5	71·7	81·6	72·4	9
10	83·6	73·6	83·9	72·1	82·6	72·6	83·6	71·1	84·8	72·3	84·6	70·4	81·1	72·8	82·9	72·1	10
11	84·5	74·0	84·2	71·9	82·8	72·6	85·1	72·2	85·0	72·1	83·5	70·5	84·4	73·2	83·8	73·0	11
Noon	85·0	74·1	85·5	72·4	84·7	72·6	86·2	72·1	85·7	71·6	85·5	71·2	83·7	73·0	84·5	70·6	Noon
13h	85·0	74·1	85·5	72·1	84·9	73·4	86·0	71·4	86·4	72·2	80·5	71·2	83·5	72·9	85·7	73·7	13h
14	85·0	74·1	85·2	72·1	85·2	73·0	85·9	72·1	86·7	72·1	82·5	71·8	85·0	72·5	83·5	72·9	14
15	86·5	74·5	85·5	71·0	84·1	72·0	84·5	71·1	84·2	72·6	79·5	71·6	83·4	71·7	83·5	72·1	15
16	84·5	73·7	85·3	71·1	84·0	72·0	83·8	72·9	83·3	71·4	79·9	72·6	83·5	71·9	84·0	72·6	16
17	83·5	73·8	82·5	71·1	82·5	71·9	82·4	72·1	80·0	72·0	79·5	71·4	82·0	71·3	81·8	70·4	17
18	80·5	73·5	8·00	71·1	79·5	71·1	81·3	71·8	78·4	70·5	78·6	71·1	80·3	71·9	81·0	71·6	18
19	78·5	72·6	78·2	70·6	77·5	70·8	78·7	72·1	77·2	71·3	77·1	72·1	78·5	71·8	79·5	72·7	19
20	77·5	72·6	77·1	70·2	77·1	70·8	77·5	72·2	76·3	71·4	74·7	69·7	76·3	69·4	78·2	73·0	20
21	76·7	72·5	76·1	70·4	75·5	70·4	76·9	72·1	76·0	71·3	75·5	69·1	74·9	70·5	77·9	72·9	21
22	76·5	72·2	76·1	70·7	74·4	69·7	76·5	72·1	74·7	71·1	73·5	69·6	74·4	70·8	76·5	72·0	22
23	76·2	71·6	75·3	70·0	73·9	69·5	76·3	71·9		71·5	71·5	69·4	73·6	71·1	76·3	71·6	23

* Eye observations. Photographic record defective.

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

January 1915.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	74·3	70·3	73·2	70·0	74·4	72·1	75·0	71·0	72·4	69·2	73·5	69·2	78·5	73·1	78·5	74·0	Midnight
1h	72·7	69·2	73·0	70·1	74·4	72·1	74·5	70·5	71·9	69·1	74·5	70·0	78·4	73·1	78·4	74·1	1h
2	73·0	69·1	72·1	69·1	74·5	72·6	73·4	70·2	72·0	69·2	72·4	68·7	78·4	73·2	78·1	74·0	2
3	71·0	68·4	72·3	69·7	73·6	71·5	72·7	69·9	74·1	71·5	70·8	68·0	77·8	73·3	78·0	73·8	3
4	71·1	68·5	71·6	69·1	72·6	70·6	72·4	69·5	71·8	69·6	71·6	68·0	74·6	72·0	78·1	73·6	4
5	71·0	68·4	70·3	67·6	71·4	69·2	72·4	69·4	71·4	69·0	71·3	68·5	76·3	73·0	78·1	73·5	5
6	71·6	69·5	69·6	67·4	71·1	69·0	72·2	69·6	70·3	68·0	70·6	68·1	76·7	73·0	78·1	73·5	6
7	77·6	72·6	76·6	73·1	74·6	70·9	74·6	71·5	76·6	72·8	74·6	71·1	77·8	73·0	78·7	74·0	7
8	80·6	72·4	79·6	72·9	78·3	71·9	76·7	72·9	81·6	73·4	79·6	73·7	79·6	73·0	79·6	74·4	8
9	83·1	72·9	83·0	72·9	81·6	72·9	80·1	74·0	82·6	73·4	83·1	73·1	81·6	73·2	81·5	74·9	9
10	85·6	73·7	85·0	73·1	83·4	75·0	83·6	75·1	85·3	73·1	84·7	73·4	82·6	72·7	82·6	75·0	10
11	86·7	73·6	87·9	73·9	84·9	75·4	85·6	75·0	86·6	73·9	87·1	73·9	84·7	73·4	81·6	75·3	11
Noon	90·0	74·4	89·2	74·8	87·6	75·5	86·5	74·9	86·6	73·9	88·3	74·9	86·1	73·2	81·8	74·6	Noon
13h	87·0	73·2	89·5	74·9	87·5	75·9	85·8	75·3	88·5	73·9	89·5	73·4	85·5	73·6	81·8	74·9	13h
14	89·5	73·9	89·5	75·9	85·0	74·7	90·5	76·0	88·2	72·9	87·5	71·9	86·2	73·8	81·5	74·9	14
15	89·5	73·9	86·2	74·6	83·3	73·8	87·8	74·9	89·5	74·9	86·5	73·1	86·2	74·1	77·4	74·4	15
16	89·4	74·7	90·5	76·1	83·5	74·8	88·4	75·3	86·5	73·7	85·2	73·9	84·0	73·1	78·0	75·4	16
17	85·8	73·4	88·0	74·8	77·8	72·0	86·5	74·9	87·0	74·1	83·6	74·1	81·7	73·2	78·0	75·5	17
18	83·0	73·0	77·6	73·9	76·8	70·7	86·4	74·5	82·5	72·1	82·3	73·1	81·3	73·4	78·1	76·1	18
19	79·6	71·9	75·5	72·9	75·2	70·0	80·8	72·7	80·5	72·0	80·4	73·1	79·6	73·5	77·4	75·4	19
20	78·2	71·8	74·5	71·8	75·4	69·8	78·3	72·0	79·3	71·6	79·6	73·7	79·3	73·9	76·4	75·0	20
21	76·4	70·9	74·1	71·1	75·4	70·7	75·4	71·1	78·2	70·6	79·3	73·5	79·0	73·9	76·1	74·6	21
22	75·5	70·9	74·5	71·9	74·6	70·5	74·4	70·0	76·5	69·9	79·2	72·9	78·9	73·8	75·7	74·0	22
23	74·7	70·8	75·0	72·9	75·1	70·7	72·9	69·3	74·8	69·4	78·7	73·0	78·6	73·9	75·7	73·9	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	75·7	74·2	74·0	71·5	77·5	75·5	75·3	72·7	79·9	76·8	77·5	74·9	77·9	74·2	74·7	71·3	Midnight
1h	75·6	74·2	73·9	71·8	77·5	75·6	74·4	72·1	77·7	75·0	76·9	74·6	76·3	73·3	73·3	71·1	1h
2	76·3	74·8	73·9	71·0	76·9	75·0	73·4	71·3	76·5	74·3	75·2	74·1	75·4	73·0	73·9	70·8	2
3	75·7	74·4	73·6	71·8	77·3	75·0	73·6	71·6	76·7	74·9	74·6	73·0	75·1	72·9	73·5	70·6	2
4	75·2	73·8	72·5	70·6	76·6	74·6	72·6	70·7	76·8	75·3	75·2	73·3	74·4	71·7	73·0	69·9	4
5	74·6	73·2	71·5	69·9	75·2	73·4	72·1	70·1	77·7	76·0	75·5	73·1	73·6	71·2	72·7	70·0	5
6	74·6	73·1	71·8	70·2	74·7	73·0	72·3	70·4	77·9	76·1	75·3	73·5	73·4	71·1	72·6	69·7	6
7	77·6	75·2	77·6	73·8	78·6	76·0	76·6	73·9	79·2	77·5	78·4	74·9	77·6	73·9	76·7	72·4	7
8	81·5	75·9	81·8	74·9	80·5	76·9	81·6	74·9	82·1	77·9	80·6	75·0	82·5	75·0	79·7	72·8	8
9	83·6	76·5	83·6	74·8	83·6	76·9	84·5	75·7	83·8	77·8	84·6	76·8	83·8	74·8	81·8	73·2	9
10	85·6	75·9	84·6	75·0	85·5	77·7	87·6	76·7	84·5	78·0	85·8	75·8	85·6	74·9	83·8	73·5	10
11	87·4	76·6	86·5	75·9	88·3	77·9	88·3	77·0	84·7	76·9	85·6	74·8	86·6	73·9	84·9	73·6	11
Noon	87·0	76·4	87·6	75·8	85·6	77·1	90·7	77·2	84·7	76·9	87·6	75·4	89·6	74·9	85·9	73·8	Noon
13h	87·5	76·4	86·6	75·9	85·5	77·4	90·6	77·3	84·5	77·2	88·5	76·3	88·5	75·9	85·7	73·4	13h
14	87·0	75·4	89·5	76·4	86·3	76·9	87·7	76·1	83·5	77·1	85·5	75·4	89·5	75·8	85·7	73·4	14
15	87·7	76·6	89·5	75·9	88·0	76·9	90·9	77·4	84·0	76·2	87·6	76·1	91·2	75·8	85·4	73·5	15
16	88·7	76·4	88·5	75·7	88·0	77·0	90·8	77·1	83·5	76·7	84·5	74·9	88·9	75·4	84·7	73·0	16
17	84·1	74·9	87·5	75·8	85·6	75·9	85·7	75·9	82·5	76·4	82·1	74·8	85·5	75·3	82·9	72·5	17
18	82·6	74·1	84·4	74·3	83·5	75·4	83·9	75·8	81·3	75·7	81·4	74·8	83·4	74·3	80·8	72·3	18
19	80·3	73·9	82·5	74·4	81·5	75·3	81·2	75·4	80·3	75·3	80·5	74·8	80·9	74·3	78·7	72·0	19
20	78·5	73·3	81·9	74·7	80·5	75·5	80·3	75·8	79·4	75·7	79·6	74·8	79·7	74·2	77·6	71·9	20
21	77·3	72·9	80·9	74·9	79·9	75·0	80·1	76·0	79·3	75·9	78·6	74·0	78·8	73·4	71·8	71·7	21
22	76·7	72·9	78·3	75·3	78·6	74·7	80·1	76·2	78·1	74·7	78·3	73·9	78·7	73·9	76·1	71·5	22
23	74·7	71·9	77·6	75·6	76·5	73·3	80·2	76·5	78·2	75·1	78·2	74·2	78·4	73·9	75·4		23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour. \ Day.	January 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Mean.
Midnight	3	8	5	4	5	8	4	2	10	3	1	3	3	4	10	4	4	0	7	10	2	6	9	10	10	6	9	6	10	4	1	5·5
1h	2	3	4	6	4	9	3	1	10	2	2	3	3	2	8	5	3	1	8	10	2	7	8	10	9	5	10	7	10	5	1	5·3
2	3	5	6	3	4	8	4	2	10	3	3	1	4	4	6	7	2	1	6	10	7	4	10	10	9	3	10	8	10	4	1	5·4
3	2	8	9	5	3	9	2	4	10	4	5	1	3	5	4	6	3	0	6	8	5	2	7	10	6	3	4	4	10	9	2	5·1
4	4	8	9	8	2	5	3	3	9	3	3	1	3	4	3	8	3	0	4	8	4	2	10	10	3	3	3	2	10	7	3	4·8
5	3	6	9	4	2	3	2	2	9	4	3	1	2	5	4	6	2	0	5	8	4	3	10	10	2	5	4	6	10	7	3	4·6
6	5	8	8	4	1	3	1	5	10	3	5	2	3	4	6	4	4	0	8	7	3	2	10	10	4	4	6	6	8	4	3	4·9
7	6	7	8	2	2	1	1	7	10	4	4	2	5	5	6	3	3	0	8	7	3	4	9	10	2	5	7	7	9	3	2	4·9
8	5	5	8	4	2	3	3	5	10	3	3	6	6	5	7	4	5	3	8	7	5	3	10	10	5	6	7	6	9	8	3	5·6
9	7	6	8	6	9	5	6	3	7	2	7	5	5	6	6	6	5	6	7	7	7	6	9	10	7	7	6	7	10	8	6	6·5
10	7	6	8	6	9	7	6	5	7	6	7	5	5	5	6	6	5	4	8	8	7	7	10	10	6	8	7	8	10	4	6	6·7
11	7	6	7	5	10	6	6	4	6	6	7	6	4	7	10	6	6	5	8	8	8	7	8	10	6	8	7	6	10	8	5	6·8
Noon	7	6	8	7	7	6	6	4	8	6	5	6	4	8	9	4	3	5	8	7	8	6	9	10	6	9	8	7	10	6	5	6·7
13h	7	6	8	6	5	6	5	5	6	6	4	6	4	9	9	6	3	4	8	7	8	6	9	10	5	9	9	7	10	7	4	6·6
14	8	4	9	5	5	5	6	4	6	6	6	6	3	8	8	7	4	5	9	6	8	6	9	10	5	8	9	8	8	5	5	6·5
15	7	8	9	3	5	4	5	7	6	5	8	5	4	9	5	6	2	7	8	7	8	9	9	10	8	6	7	9	10	6	6	6·7
16	6	6	10	7	4	5	4	6	5	5	6	4	5	7	5	8	3	6	9	8	7	8	9	10	7	7	8	9	9	6	5	6·6
17	6	5	9	5	3	6	4	6	5	6	5	4	5	6	7	8	2	6	9	7	8	9	9	10	7	8	7	9	10	5	5	6·5
18	6	4	9	3	3	4	2	6	5	4	4	3	4	8	6	8	1	7	9	7	8	6	10	10	6	9	7	9	9	5	6	6·1
19	6	4	8	4	2	4	1	5	4	4	6	3	5	8	5	7	1	8	8	8	9	9	10	10	6	4	8	9	9	5	4	5·9
20	6	3	8	5	1	2	1	7	2	4	2	4	5	9	7	6	1	9	8	5	10	6	10	9	4	4	7	9	5	5	3	5·4
21	6	2	5	2	1	2	0	9	1	4	2	4	6	9	8	6	1	8	10	2	10	9	10	9	3	9	9	10	5	2	2	5·4
22	2	4	6	2	1	1	1	8	2	3	2	5	2	8	3	4	2	7	10	1	9	7	10	8	4	10	7	10	6	3	3	4·9
23	4	6	5	3	6	3	3	9	2	2	2	4	5	9	3	3	0	7	10	1	8	8	10	10	4	10	8	8	8	2	9	5·5

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour Ending. \ Day.	January 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Total.
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	8	8	0	0	15	6	15	0	0	15	5	15	3	15	0	1	10	16	0	5	15	0	0	0	9	10	3	1	0	12	1	3·1
7	50	60	15	53	60	52	60	25	5	58	58	60	59	60	3	59	60	60	10	27	60	55	0	0	59	57	55	50	17	50	60	22·6
8	60	60	20	60	27	60	60	60	3	60	59	60	60	57	38	59	59	60	16	12	60	56	0	0	59	60	52	59	45	43	46	23·8
9	60	60	10	60	8	60	60	60	52	60	52	60	59	60	60	60	60	60	35	0	54	59	30	5	60	54	60	60	40	59	60	25·6
10	60	60	58	60	42	60	60	60	60	60	57	60	60	60	53	60	60	60	48	20	59	60	6	0	60	58	60	60	23	60	60	27·1
11	59	60	55	60	35	60	60	60	60	60	60	60	60	40	60	60	60	60	45	42	60	60	12	0	60	60	60	59	15	58	60	27·0
Noon	60	60	55	60	38	60	60	60	60	60	60	60	60	48	59	60	60	58	60	20	47	60	15	0	56	55	32	60	0	60	60	26·0
13h	60	60	40	44	60	60	60	59	60	60	60	60	60	10	55	60	60	58	53	32	54	60	32	0	41	40	32	60	0	60	60	25·2
14	50	60	35	34	60	60	60	55	60	60	60	60	60	0	35	59	59	55	10	60	59	60	60	0	58	59	23	60	0	46	60	24·6
15	57	60	0	59	60	60	60	10	60	60	60	60	60	20	12	53	60	31	3	37	55	54	60	0	40	60	55	50	2	69	60	23·0
16	59	60	0	47	60	60	55	5	60	60	58	60	55	38	40	35	60	59	15	59	33	22	24	0	40	58	50	35	2	14	60	21·4
17	30	57	0	60	60	60	40	0	60	60	60	60	57	20	35	27	30	57	0	59	50	45	0	0	20	40	32	7	14	0	30	17·8
18	55	55	0	59	60	60	45	12	45	30	15	46	6	0	43	22	1	3	0	59	0	25	0	0	31	1	20	10	0	0	21	12·1
19	0	0	0	8	8	3	0	0	0	4	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0·5

The total registered duration of sunshine during the month was 279·8 hours; the corresponding period during which the sun was above the horizon was 407·6 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

January 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	4·4	7·8	13·1	4·4	5·7	5·0	10·3	9·0	8·2	7·8	7·3	7·5	9·4	5·9	8·2	6·5	Midnight
1h	6·1	6·5	12·3	7·5	5·9	4·8	11·7	9·6	9·0	7·1	7·5	9·4	12·7	5·0	6·5	4·2	1h
2	5·7	9·6	11·7	8·0	7·1	6·1	10·2	6·9	5·7	5·2	6·5	7·3	7·1	7·3	8·0	5·2	2
3	6·3	6·7	9·4	6·5	5·9	5·6	8·8	7·7	6·9	7·5	6·5	8·2	7·5	6·7	7·5	3·7	3
4	6·5	8·0	9·6	6·1	6·9	5·4	5·9	8·2	6·5	9·2	7·5	7·3	4·4	7·7	7·1	6·3	4
5	6·9	8·0	9·4	7·3	4·2	5·2	8·4	8·0	7·3	9·2	5·7	8·2	7·7	7·3	6·3	6·3	5
6	8·8	6·1	7·8	8·0	3·9	4·2	8·1	6·1	8·2	10·0	6·9	10·0	6·1	7·8	6·3	5·9	6
7	9·6	12·7	11·7	14·3	6·1	6·7	8·4	10·2	8·2	12·5	8·6	11·3	9·0	10·7	10·1	10·3	7
8	15·9	18·5	18·7	14·3	6·3	8·8	10·0	10·5	11·7	13·9	13·5	13·1	11·9	14·1	11·1	12·3	8
9	14·3	16·9	18·9	18·7	8·2	10·5	11·9	13·3	12·5	18·3	14·9	13·9	11·9	15·7	12·7	12·9	9
10	17·1	17·9	19·7	20·1	11·3	11·7	9·4	12·7	14·5	15·7	15·7	14·9	13·3	16·5	13·1	13·7	10
11	16·9	17·3	20·3	18·9	11·9	15·3	13·1	11·5	16·1	14·9	16·1	14·5	13·3	15·3	14·5	14·9	11
Noon	18·1	19·7	22·1	17·5	16·1	14·7	14·1	12·1	14·7	19·5	16·3	15·1	12·7	15·9	15·7	14·9	Noon
13h	17·7	21·3	21·5	16·1	15·9	16·7	16·1	9·8	13·5	16·9	17·9	14·1	14·9	14·1	15·3	15·9	13h
14	16·7	18·5	20·9	16·1	18·3	13·9	16·3	11·1	13·9	15·3	16·9	14·3	13·9	8·2	15·1	13·9	14
15	16·3	20·5	21·7	16·5	19·7	16·1	15·7	7·8	14·1	15·9	17·1	13·9	15·1	12·9	13·1	12·7	15
16	19·7	20·5	20·3	14·9	20·3	16·1	14·3	11·5	14·1	15·9	16·3	13·9	15·5	12·7	12·3	12·7	16
17	17·7	21·9	18·5	15·1	15·5	16·1	15·9	14·9	13·9	17·1	15·9	14·3	13·9	12·7	12·1	12·5	17
18	16·9	21·1	18·1	16·7	16·1	14·7	14·7	12·5	12·3	15·3	15·9	12·3	14·7	10·9	12·1	9·4	18
19	13·7	15·7	15·9	12·5	12·3	13·7	11·9	11·9	14·1	13·9	14·3	13·1	12·3	10·3	8·6	9·2	19
20	13·3	14·7	14·1	8·2	8·2	11·5	9·8	10·2	11·9	10·9	11·1	12·9	10·2	9·0	9·8	7·7	20
21	10·4	12·5	10·1	6·1	8·8	10·4	9·0	11·5	11·3	11·5	9·2	12·1	10·0	6·5	5·7	6·1	21
22	7·1	13·3	7·1	5·4	4·1	9·6	9·6	11·1	9·0	13·1	7·3	11·5	9·4	6·5	5·9	2·9	22
23	4·8	12·1	7·5	5·4	4·1	10·9	10·2	9·8	8·0	9·2	9·0	10·7	6·1	8·0	7·3	2·3	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23.d	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	5·4	5·8	4·2	3·5	5·0	6·7	7·7	7·5	5·0	5·0	4·4	3·1	5·0	4·8	4·2	6·4	Midnight
1h	3·2	5·0	4·2	3·7	5·9	4·6	8·0	8·6	5·2	5·4	4·2	5·6	7·3	4·6	3·7	6·6	1h
2	5·0	6·1	4·2	3·7	4·8	5·0	8·4	7·3	3·3	4·6	4·2	3·5	4·8	3·9	5·7	6·2	2
3	5·6	4·6	3·5	4·6	3·9	5·2	7·8	8·8	4·4	4·1	5·0	5·9	5·7	5·0	7·7	6·2	3
4	5·0	3·0	3·9	3·5	4·6	6·5	10·0	9·8	3·2	3·5	4·2	6·5	5·2	6·3	5·0	6·2	4
5	5·8	4·2	5·0	3·2	4·6	6·7	8·8	8·0	5·4	5·2	3·5	4·6	5·6	6·7	6·5	6·4	5
6	6·1	5·0	4·1	4·2	4·6	5·8	7·8	6·5	4·6	5·0	3·5	6·9	5·0	5·4	6·1	6·3	6
7	5·4	5·0	3·1	2·4	5·2	4·2	9·6	8·6	4·8	6·1	4·1	5·7	6·7	5·6	6·9	7·9	7
8	9·2	5·9	2·4	3·7	7·5	7·7	12·9	9·6	5·9	10·0	10·1	10·0	9·4	10·7	8·0	10·6	8
9	12·1	7·7	4·1	5·6	11·7	15·7	16·1	9·4	14·1	10·9	14·7	9·6	10·5	11·1	15·1	12·7	9
10	11·5	9·2	7·8	8·4	10·9	15·7	19·7	9·8	12·5	11·7	15·7	10·9	10·5	13·5	11·9	13·4	10
11	11·9	10·8	9·2	11·1	11·9	16·1	18·9	9·6	15·7	12·3	19·1	10·7	10·0	10·9	12·5	14·1	11
Noon	11·7	12·5	13·7	12·3	12·1	16·1	15·7	11·5	14·3	14·9	19·1	9·8	11·5	14·9	13·9	14·9	Noon
13h	11·5	14·1	14·5	13·9	15·3	16·1	16·7	7·1	12·5	16·7	16·5	11·3	8·6	16·5	14·3	14·9	13h
14	13·5	14·1	12·3	13·7	12·7	15·9	15·3	9·8	15·9	17·9	17·3	10·5	13·7	12·7	14·5	14·6	14
15	14·7	12·7	10·0	12·3	12·3	14·1	9·4	4·8	16·1	16·3	15·5	12·5	13·1	16·1	17·9	14·4	15
16	12·1	13·7	6·3	11·3	13·5	13·9	16·5	6·1	12·3	20·7	13·3	8·0	16·1	13·1	12·7	14·2	16
17	9·2	8·4	10·0	10·5	11·7	12·3	10·3	5·9	11·7	15·9	13·5	8·0	8·1	9·2	10·9	13·0	17
18	8·2	8·0	10·5	8·4	9·0	12·3	10·7	4·6	9·2	15·5	10·7	9·8	9·9	11·9	9·4	12·3	18
19	5·6	6·1	13·9	6·3	7·7	8·2	10·0	3·4	7·3	13·9	9·2	8·8	8·1	6·7	8·4	10·5	19
20	4·2	7·3	6·7	4·2	5·2	9·8	9·6	4·2	5·4	9·2	7·1	9·6	5·7	6·1	7·1	8·9	20
21	4·1	4·6	4·1	4·4	4·6	8·0	11·1	7·5	5·9	8·2	6·5	8·2	6·3	5·9	5·2	7·9	21
22	3·9	5·0	4·4	4·6	3·9	8·8	8·2	4·8	4·1	5·9	4·4	9·2	4·1	5·2	5·7	6·9	22
23	5·4	3·4	3·4	5·8	4·2	9·0	7·1	6·3	4·8	4·4	2·8	5·7	4·6	5·4	5·9	6·6	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile.*)

January 1915.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	98	104	96	106	100	113	97	104	98	105	97	104	98	110	95	108	Midnight
1h	98	106	99	106	100	112	96	106	98	105	97	104	98	112	98	109	1h
2	98	105	100	110	96	111	97	107	97	107	96	104	98	110	99	107	2
3	98	106	97	106	98	109	98	106	97	105	97	105	97	108	97	107	3
4	97	106	94	106	96	109	98	106	97	106	97	105	96	104	95	107	4
5	97	106	100	108	96	109	97	107	98	104	97	104	97	108	97	107	5
6	97	108	98	106	96	106	96	107	98	104	98	103	97	107	97	105	6
7	96	109	98	113	95	111	97	114	98	106	96	106	97	108	96	109	7
8	100	116	96	118	100	119	103	114	98	106	97	108	96	109	96	110	8
9	105	113	97	117	100	119	96	118	100	108	98	110	102	112	103	113	9
10	110	114	96	118	100	120	92	119	102	111	95	111	98	109	98	113	10
11	109	114	103	117	108	119	93	117	102	112	106	114	107	111	95	111	11
Noon	107	117	100	120	96	122	90	114	109	113	108	112	105	113	100	112	Noon
13h	100	118	100	121	96	121	106	115	91	113	97	116	94	115	104	109	13h
14	100	117	104	118	108	119	109	113	93	117	92	111	106	115	100	111	14
15	97	116	100	121	104	121	103	116	92	118	94	115	103	115	96	106	15
16	100	120	96	120	96	120	106	114	96	120	94	115	100	114	95	111	16
17	100	118	100	122	96	118	103	115	94	114	100	116	97	116	97	115	17
18	100	117	96	121	100	118	100	117	89	111	94	114	97	114	93	110	18
19	100	114	97	115	100	116	100	112	91	109	95	113	98	112	91	108	19
20	100	113	97	114	100	114	98	108	97	108	94	109	96	109	93	107	20
21	98	110	98	112	96	109	98	106	97	108	96	110	98	109	98	111	21
22	99	107	95	112	99	107	98	105	98	103	96	109	96	109	96	110	22
23	97	104	95	111	97	107	98	105	98	103	98	111	94	108	96	109	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	100	108	100	108	96	106	97	107	96	109	97	105	100	108	98	106	Midnight
1h	95	107	100	107	97	107	96	109	98	112	97	104	96	105	98	104	1h
2	98	105	98	105	97	106	96	106	97	107	96	106	97	107	98	105	2
3	97	106	97	107	95	104	97	108	97	107	96	106	96	106	98	103	3
4	96	105	100	109	95	105	96	106	98	104	97	107	97	107	96	104	4
5	97	107	100	109	96	104	96	107	96	106	97	107	96	105	96	104	5
6	97	108	100	110	96	106	98	110	97	105	98	108	98	106	97	105	6
7	105	107	100	112	95	107	98	111	97	108	96	110	100	110	96	109	7
8	100	112	100	114	95	112	97	113	95	111	97	114	96	110	100	112	8
9	107	110	106	118	89	111	105	113	100	112	97	115	107	110	105	112	9
10	103	114	103	115	100	116	100	115	103	113	100	116	102	113	100	114	10
11	100	116	104	115	100	116	103	114	103	113	106	114	110	110	100	115	11
Noon	106	114	103	119	97	116	100	115	102	112	103	116	100	116	100	115	Noon
13h	109	110	100	117	97	118	110	110	103	115	110	110	100	115	106	115	13h
14	108	112	97	115	100	117	100	114	103	114	96	107	100	115	105	113	14
15	108	112	100	116	100	117	105	113	97	115	103	113	100	113	107	111	15
16	105	113	88	116	97	116	100	114	94	114	102	112	105	111	107	111	16
17	105	113	97	112	94	115	97	114	97	114	100	113	98	112	102	112	17
18	105	111	95	115	97	116	100	112	94	114	100	111	100	112	104	109	18
19	103	114	96	113	100	114	100	113	98	112	102	110	100	109	105	108	19
20	100	112	98	110	100	111	100	113	98	110	96	108	100	110	103	107	20
21	100	111	95	111	98	109	100	112	96	110	97	106	96	104	102	106	21
22	100	109	96	112	97	107	100	111	98	109	97	106	96	104	101	103	22
23	100	108		108	97	108	100	111		106	100	108	96	106	101	102	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

January 1915.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	102	105	98	105	96	102	99	103	96	103	100	107	100	108	102	107	Midnight
1h	101	103	98	105	96	102	99	103	96	104	100	105	100	108	102	108	1h
2	101	105	97	105	96	102	97	103	97	103	100	105	102	108	101	107	2
3	101	105	98	104	97	101	97	103	97	103	97	104	100	108	102	109	3
4	101	105	98	103	96	102	100	103	97	103	96	105	98	110	100	110	4
5	98	105	98	103	97	103	100	103	97	103	97	106	100	109	102	108	5
6	98	106	96	103	97	103	97	103	97	103	98	105	100	108	101	106	6
7	98	105	96	103	100	103	98	102	97	104	98	104	102	109	102	108	7
8	106	107	102	105	99	102	101	104	105	105	106	106	102	113	102	109	8
9	109	109	106	106	103	103	104	104	108	108	111	111	106	115	102	109	9
10	109	106	105	108	108	102	108	103	108	108	111	111	104	119	104	109	10
11	105	111	108	108	109	97	111	100	102	112	111	111	104	118	104	109	11
Noon	110	107	110	107	111	92	112	98	107	110	100	116	106	115	104	111	Noon
13h	108	108	112	108	113	94	113	95	114	106	111	111	106	115	101	107	13h
14	111	107	110	110	109	91	111	92	109	109	103	116	103	115	104	109	14
15	114	103	112	105	106	92	110	93	112	102	105	113	102	109	102	104	15
16	111	105	113	105	104	95	110	96	113	105	108	112	103	116	96	104	16
17	107	106	108	103	93	107	110	104	110	106	105	111	102	110	99	106	17
18	107	104	92	100	91	106	108	103	106	106	105	111	102	111	98	104	18
19	102	105	94	98	87	105	102	106	103	107	100	108	100	110	100	103	19
20	100	104	93	103	94	104	101	104	101	105	104	109	104	109	100	104	20
21	98	104	96	102	96	101	98	104	100	105	102	108	100	111	97	107	21
22	98	104	95	102	98	104	97	103	100	104	100	109	100	108	98	104	22
23	98	105	97	101	99	103	96	104	100	104	100	109	100	107	98	106	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	98	105	96	103	104	102	101	103	101	105	100	105	100	104	98·6	105·7	Midnight
1h	98	105	96	104	104	102	101	106	103	107	100	105	98	103	98·5	106·0	1h
2	99	103	97	103	103	103	99	103	102	104	100	104	97	105	98·3	105·5	2
3	98	104	97	103	103	103	97	105	101	106	100	105	97	107	97·9	105·5	3
4	98	102	98	102	103	103	97	106	97	104	98	106	98	105	97·4	105·3	4
5	100	105	96	104	101	103	98	104	102	105	100	107	100	107	98·0	105·7	5
6	100	105	97	104	101	103	97	106	102	105	100	105	100	106	98·0	105·6	6
7	100	105	97	105	98	104	98	105	100	107	100	106	101	107	98·2	107·3	7
8	103	105	102	110	109	104	106	108	105	108	100	111	103	107	100·5	109·4	8
9	108	112	108	108	114	106	107	107	108	107	100	111	103	115	103·5	111·0	9
10	105	111	108	108	115	106	109	106	107	107	104	113	105	111	103·6	111·6	10
11	109	113	107	110	116	111	109	106	106	108	106	110	109	109	105·2	111·6	11
Noon	110	110	108	112	116	111	109	104	108	108	106	114	105	113	104·8	112·1	Noon
13h	109	109	114	109	114	110	104	106	103	108	102	115	112	108	105·5	111·2	13h
14	111	111	113	113	116	107	109	110	105	113	106	112	110	110	104·7	111·4	14
15	111	111	113	109	114	106	107	109	107	111	103	115	115	110	104·6	110·6	15
16	109	109	117	111	112	105	106	103	111	111	103	113	109	109	103·8	111·0	16
17	104	111	115	106	111	107	104	106	106	106	105	108	108	108	101·8	111·1	17
18	104	108	114	106	106	109	102	109	107	107	103	111	107	107	100·7	110·5	18
19	103	107	110	110	105	108	100	109	106	106	102	106	103	108	99·8	109·3	19
20	101	105	109	104	106	104	100	110	104	104	101	106	100	107	99·7	107·9	20
21	100	106	106	106	105	105	102	108	104	105	101	105	100	105	99·1	107·3	21
22	100	104	104	104	103	103	101	109	102	104	100	105	100	106	98·6	106·3	22
23	97	104	104	102	102	102		106	101	105		105		106	98·5	105·9	23

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of JANUARY 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour. Mauritius Standard Time.	14d.	17d.	18d.	19d.	20d.	21d.	Hour. Mauritius Standard Time.
	points.	points.	points.	points.	points.	points.	
Midnight	5	10	6	2	6	4	Midnight
1h	5	9	6	2	6	4	1h
2	5	9	5	2	4	4	2
3	5	9	6	2	4	4	3
4	6	9	5	2	8	4	4
5	6	6	5	4	8	4	5
6	7	6	4	4	4	4	6
7	6	6	4	8	4	5	7
8	7	12	10	6	9	12	8
9	7	12	12	12	12	12	9
10	8	13	11	15	14	12	10
11	10	10	12	18	16	9	11
Noon	9	13	13	19	17	11	Noon
13h	12	12	13	18	18	14	13h
14	5	13	12	20	19	12	14
15	9	15	14	21	19	15	15
16	9	14	14	21	18	14	16
17	8	12	14	4	14	13	17
18	8	13	0	3	14	12	18
19	9	10	30	2	10	10	19
20	6	8	2	3	9	9	20
21	6	6	2	2	5	8	21
22	6	6	2	6	4	8	22
23	8	6	2	6	4	8	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS 9ins., 6ins. and 3ins respectively at INTERVALS of three HOURS between 3h. and 21h. during of the MONTH of JANUARY 1915.

Day of the Month.	9ins.							6ins.							3ins.							Day of the Month.
	3h.	6h.	9h.	12h.	15h.	18h.	21h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21
22	86·64	86·64	86·04	85·44	85·92	87·14	88·04	85·03	85·03	84·03	84·43	84·24	88·54	88·63	80·59	80·39	81·29	84·89	92·59	91·89	88·44	22
23	87·64	87·24	86·69	86·31	86·56	87·54	88·33	86·54	86·02	85·33	85·23	87·11	88·92	89·03	83·52	87·69	82·48	85·19	93·01	92·19	89·01	23
24	88·04	87·54	87·14	86·56	86·44	86·55	86·53	87·13	86·34	85·85	85·65	85·94	86·14	85·85	84·61	83·23	83·00	85·19	86·14	85·19	83·79	24
25	85·54	85·04	84·49	84·16	84·84	86·04	86·84	84·33	83·61	83·03	83·52	85·41	87·18	87·18	80·97	79·89	81·15	84·79	90·46	89·99	91·39	25
26	86·19	85·72	85·24	84·74	85·54	86·30	86·94	84·73	84·03	83·49	83·63	85·93	87·27	87·43	80·88	79·69	80·49	84·29	90·11	90·27	87·97	26
27	86·93	81·26	85·69	85·34	85·73	86·53	86·96	85·83	84·94	84·23	84·43	85·46	87·13	87·12	83·09	86·49	82·19	84·39	87·29	88·30	85·89	27
28	86·52	85·76	85·14	84·94	85·46	86·84	88·04	85·03	83·98	83·23	83·92	86·44	88·64	88·83	81·19	80·31	80·83	84·87	93·71	93·11	89·06	28
29	87·92	87·24	86·66	86·34	86·34	86·54	86·54	87·03	86·13	85·54	85·74	86·28	86·44	85·93	84·69	83·29	83·98	86·00	86·59	85·79	83·69	29
30	85·54	85·09	84·54	84·34	84·84	86·44	87·54	84·23	83·53	82·92	83·34	85·88	88·23	87·08	82·89	79·59	80·39	84·48	93·29	91·39	87·99	30
31	86·44	86·44	85·59	85·29	85·96	87·39	88·34	86·13	85·93	84·08	84·33	86·73	89·33	89·43	81·19	80·94	81·79	85·39	93·99	93·81	90·29	31
Mean	86·74	85·80	85·72	85·35	85·76	86·73	87·41	85·60	84·95	84·17	84·42	85·94	87·78	87·65	82·36	82·15	81·76	84·95	90·72	90·19	87·75	Mean

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of JANUARY 1915.

Station. / Day.	River System No. 1.					River System Nos. 2 & 3.			River System No. 4.				River System No. 5.			
	Grand Gaube.	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte.	Riche Fund.	Constance d'Arifat.	St. Julien.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January 1	Register not received.	...	...	...	...	...	0·12	...	0·20	...	...	...	...	0·12	...	...
2		...	...	...	...	...	0·44	...	0·12	0·50	...	...	0·34	0·20	...	...
3		...	...	...	...	...	...	0·05	0·06	0·10	...	...	...	...	0·31	0·04
4		...	0·04	...	...	0·02	0·20	...	...	...	...	...	...	...	...	...
5		0·05	...	...	...	...	0·06	0·13	0·23	0·05	...	...	...	...	...	...
6		...	...	0·18	...	0·17	...	...	...	...	...	...	...	...	...	...
7		...	...	...	...	0·03	...	...	...	...	...	0·10	0·23	...	...	0·15
8		...	...	...	...	...	...	0·07	0·23	0·30	...	0·67	0·32	0·06	...	0·80
9		0·05	...	0·14	...	0·14	0·08	...	...	...	0·32	...	...	0·30	0·88	...
10		...	...	...	...	...	...	...	...	...	...	...	...	0·20	...	...
11		...	...	...	...	...	...	...	...	0·04	...	...	...	...	0·17	...
12		0·04	0·12	...	...	...	...	...	...	...	...	...	0·18	...	...	...
13		...	...	...	...	...	...	0·02	...	0·23	...	0·01	0·05	0·30	...	0·03
14		...	...	...	...	0·09	...	...	...	0·20	0·07	0·03	0·02	...	0·05	...
15		...	0.14	0·03	...	0·11	0·04	0·20	0·35	0·18	0·37	...	0·32	0·14	0·16	0·17
16		...	...	0·05	...	0·49	0·12	...	0·02	...	0·32	...	...	0·30	0·07	...
17		...	...	...	...	...	0·20	...	...	0·18	...	...	0·15	0·14	0·07	...
18		...	...	...	...	...	...	0·14	0·08	0·35	...	...	0·44	0·12	...	0·76
19		0·17	0·09	...	0·20	0·73	0·08	0·16	0·68	1·16	0·27	0·12	0·09	1·20	1·01	0·03
20		0·15	0·07	1·14	0·05	0·30	0·68	...	0·98	0·30	0·77	0·06	1·37	0·22	0·29	...
21		...	...	0·03	...	0·24	0·97	...	...	0·07	0·20	...	0·03	0·16	0·16	0·40
22		...	0·07	...	...	...	...	0·13	0·02	...	...	...	...	...	...	...
23		...	...	...	0·05	...	...	...	...	...	0·12	...	...	0·08	0·30	...
24		0·17	0·35	...	...	...	...	...	0·10	0·15	...	...	...	...	...	...
25		...	...	0·55	0·12	0·29	0·80	...	...	...	0·19	...	...	...	...	...
26		...	...	...	...	...	...	0·05	0.15	0·43	...	0·03	...	...	...	...
27		...	...	...	0·20	0·06	0·28	...	0·05	...	...	...	...	0·06	...	...
28		0·12	0·08	...	...	...	...	1.02	0·97	1·00	...	0·12	0·25	...	...	0·52
29		0·06	0·02	0·08	0·25	...	0·90	...	0·20	0·65	0·63	0·07	0·43	0·45	0·88	0·13
30		...	...	0·04	0·10	0·79	...	...	...	...	0·50	0·01	...	0·30	0·71	...
31		...	...	...	...	0·36	...	...	0·08	...	...	...	0·01	...	...	...
Total ...	...	0·81	0·98	2·24	0·97	3·82	4·97	1·97	4·52	5·89	3·76	1·22	4·23	4·35	5·06	3·03

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of JANUARY 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarraque.	Beau Bois.	Bel Ombre.	Chamarel.	Clarens.	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins,	
January 1	0·42	0·15	0·60	0·54	0·65	...	...	...	...	...	0·18	...	...	0·19	0·04	
2	...	0·17	0·03	0·70	0·16	0·27	...	...	...	...	0·28	...	...	...	0·01	
3	...	0·32	0·03	...	0·06	...	...	...	...	...	0·55	...	...	...	...	
4	...	0·08	0·20	...	...	...	...	...	...	...	0·09	...	0·03	0·10	0·09	
5	0·22	0·18	0·15	1·45	0·22	...	...	...	...	...	0·03	...	0·03	...	...	
6	...	...	0·03	...	...	...	...	...	...	...	0·04	...	0·03	...	0·04	
7	...	0·11	...	...	...	...	...	...	...	...	...	...	0·02	...	...	
8	0·60	0·58	0·40	0·80	0·25	...	...	...	...	...	...	...	0·01	0·16	0·18	
9	0·17	0·06	0·05	0·12	...	...	0·05	...	...	...	0·06	...	0·01	...	0·01	
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
12	...	...	0·05	...	...	...	...	...	...	...	...	...	...	...	...	
13	0·03	0·11	...	...	0·03	...	...	...	...	...	...	...	...	0·09	...	
14	...	0·03	0·05	...	...	...	...	...	...	0·05	0·03	...	0·01	...	0·01	Register not received.
15	0·16	0·35	0·40	0·26	0·16	...	...	...	...	...	0·12	...	...	0·30	0·08	
16	...	...	0·20	...	...	0·28	...	...	...	...	0·24	...	0·03	0·03	0·07	
17	0·26	...	...	0·81	...	...	...	...	...	0·21	0·18	...	...	...	...	
18	0·11	0·27	0·10	1·80	0·09	...	0·04	...	...	0·13	...	...	0·07	0·32	0·26	
19	...	0·04	0·04	0·07	0·05	1·11	...	...	...	0·75	...	0·35	0·96	1·60	0·16	
20	0·20	...	0·40	0·24	...	...	...	0·20	0·67	...	0·03	1·25	0·16	...	1·04	
21	...	0·13	0·02	...	...	0·11	1·07	...	...	0·02	1·15	...	0·01	...	0·01	
22	...	...	...	0·34	...	...	...	...	...	0·01	...	...	0·01	...	0·01	
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
24	0·05	0·03	0·20	...	0·12	...	2·57	0·20	0·24	0·06	...	...	...	0·13	0·01	
25	0·05	0·03	0·07	...	0·05	0·44	7·08	...	...	0·01	0·02	0·10	0·07	...	0·05	
26	...	...	...	...	...	...	...	...	...	0·10	...	...	0·01	0·16	0·01	
27	...	...	...	...	...	...	...	...	...	...	...	0·17	0·17	0·04	0·08	
28	0·03	0·18	0·20	0·37	0·12	0·15	...	...	...	0·22	...	...	0·01	1·32	0·01	
29	0·06	0·49	...	0·22	0·18	0·13	...	0·22	0·15	0·09	0·14	0·20	0·37	0·88	0·25	
30	...	...	...	...	...	0·35	...	0·28	0·25	...	0·51	0·30	0·03	...	0·09	
31	...	0·04	...	...	...	...	...	...	...	...	...	...	...	0·14	...	
Total ...	2·36	3·35	3·22	7·72	2·14	2·84	10·81	0·90	1·31	1·65	3·65	2·37	2·04	5·46	2·51	...

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
January 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending. \ Day.	1d.	4d.	5d.	6d.	9d.	14d.	15d.	16d.	18d.	24d.	26d.	29d.	30d.	31d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	...	·030	...	...	...	...	...	...	·015	...	·010
2	...	·005	...	...	...	...	...	...	...	...	...	·035	...	...
3	...	...	...	...	...	...	...	...	...	...	...	·035	...	...
4	...	...	...	...	...	...	...	...	...	...	...	·015	...	...
5	...	...	...	...	...	...	...	·015	...	...	...	...	...	...
6	...	·015	...	·020	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	·010	...
8	...	...	...	...	·005	...	...	...	...	...	...	...	...	...
9	...	...	·055	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	·015	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	·005	...	...	...	...	...	...	...	...	·090	...	...	...	...
16	·005	·055	...	...	...	·050	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	·005	...	...
18	...	...	...	...	...	...	...	...	·060	·035	...	...	...	...
19	...	...	...	...	...	...	...	...	·100	...	...	...	...	...
20	...	...	...	...	...	...	...	...	·040	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	·020	...	...	...
23	...	...	...	...	...	...	·005	...	...	...	·220	...	...	...
Midnight	...	...	...	...	...	·060	...	...	...	...	...	...	...	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1–7d.	8d.	9d.	14d.	15d.	16d.	17d.	18d.	19d.	20d.	21d.	24d.	25d.	29d.	30d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	No Register.	...	...	...	...	...	...	...	...	...	...	...	...	·01	...
2		...	·15	...	...	...	...	...	...	...	...	...	...	·01	...
3		...	·06	...	...	...	...	...	...	...	...	...	...	·13	...
4		...	·06	·02	...	...	...	...	...	...	...	...	...	...	...
5		...	...	...	...	...	...	...	...	...	...	...	...	...	...
6		·04	.02	...	·06	...	...	...	...	...	...	...	...	·01	...
7		...	.01	...	...	·01	...	...	...	...	...	...	...	...	...
8		...	...	...	...	...	...	...	...	...	...	...	...	...	...
9		...	...	...	...	...	...	...	...	·01	...	...	...	...	...
10		...	...	...	...	...	...	...	...	...	...	...	...	...	...
11		...	·04	...	·10	...	...	·25	...	...	...	...	...	·02	...
Noon		·06	...	...	·04	...	...	·13	...	·02	...	·01	·07	·03	...
13h		...	...	...	...	...	·04	...	...	...	·04	·04	...	·04	...
14		...	...	...	.16	...	...	...	...	...	...	...	...	·01	...
15		...	...	...	...	...	...	·02	...	...	...	...	...	·03	...
16		...	...	...	...	...	...	·01	·05	...	...	...	...	·02	...
17		...	...	...	...	...	...	...	·01	.02	·01	...	...	·03	...
18		...	...	...	...	...	...	...	...	...	...	...	...	·03	...
19		...	...	...	...	...	...	...	...	...	...	...	...	·05	...
20		...	...	...	...	...	...	...	...	...	...	...	...	...	...
21		...	...	...	...	...	...	...	...	...	...	...	...	...	...
22		...	...	...	...	...	...	...	...	...	...	...	...	...	...
23		...	...	...	...	...	...	...	...	...	...	...	...	...	...
Midnight		...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of JANUARY, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	0·87	6·29	5
	2	Union	200	1·00	2·76	9
	3	St. Antoine ...	50	0·81	6·84	8
	4	Bel Mont	50	0·71	7·73	9
	5	Poudre d'Or ...	20	1·02	6·66	10
	6	Poudre d'Or Hospital	10	0·25	5·43	2
	7	Mon Loisir (R) ...	300	0·99	3·45	8
	8	Mon Loisir (S.E.) ...	300	1·40	12·53	5
	9	Forbach	300	1·40	6·16	10
	10	Labourdonnais ...	290	0·98	8·81	9
	11	Beau Séjour ...	300	2·24	9·26	9
	12	Mont Piton ...	860	2·64	10·22	12
	13	Mon Choix... ...	700	1·32	10·50	6
	14	Antoinette	640	4·13	8·84	10
	15	California	850	1·72	9·98	6
	16	Nouvelle Découverte	1,400	3·82	9·66	14
	17	Mon Songe... ...	620	4·96	9·38	13
	18	La Grande Rosalie ...	643	1·85	8·83	7
	19	The Mount... ...	325	1·34	*	7
	20	Botanical Gardens ...	225	0·97	9·25	7
	21	Beau Plan	195	1·20	7·41	8
	22	The Observatory ...	179	1·03	7·61	14
	23	Solitude	175	1·22	*	5
	24	St. André	90	1·19	*	4
	25	Belle Vue Harel ...	...	1·38	8·11	8
	26	Mont Choisy ...	10	1·60	6·47	9
2&3	1	Union (Régnard) ...	600	3·78	9·61	11
	2	La Grande Retraite..	350	4·82	8·68	14
	3	Constance d'Arifat...	100	1·97	7·65	10
	4	St. Julien P.O. ...	...	4·52	6·68	17
	5	Rich Fund... ...	...	4·97	*	14
4	1	Sans Souci	910	5·89	14·71	17
	2	Etoile	400	3·76	11·27	11
	3	Beau Champ ...	20	1·22	5·91	10
	4	Belle Rive	...	§	§	§
	5	Olivia	400	§	§	§
5	1	Rose Belle	...	4·23	*	14
	2	Cent Gaulettes ...	800	3·91	15·75	11
	3	St. Hubert... ...	...	6·40	*	12
	4	Riche-en-Eau ...	1,200	4·35	11·75	17
	5	Ferney	60	5·06	11·99	13
	6	Beau Vallon ...	1,200	3·03	8·36	9
	7	Union Vale	200	5·39	7·36	12
	8	Mon Désert (Carié).	...	§	§	§
6	1	Kanaka	2,000	4·09	10·77	15
	2	Tivoli ...	...	3·59	10·11	16
	3	La Flora	...	3·22	*	19
	4	Britannia	730	3·35	12·91	19
	5	Gros Bois	500	4·26	12·21	20
	6	Savannah (Residence)	200	4·00	12·85	13
	7	Savannah, (Mill) ...	200	5·76	11·45	10
	8	St. Aubin	300	2·36	10·99	13
	9	Union Bel Air ...	90	5·03	10·92	10
	10	Beau Bois	...	2·14	10·61	13
	11	Labarracq	...	7·72	*	13
	12	St. Avold	...	2·41	*	7
7,8&9	1	Bel Ombre	50	2·84	*	8
	2	Chamarel	400	10·81	10·18	8
10		No returns				
11	1	Les Gorges... ...	...	2·11	3·88	12
	2	Bénarès	1,420	1·65	12·66	11
	3	Curepipe Gardens ...	1,840	3·84	15·06	13
	4	Mare-aux-Vacoas ...	1,700	3·65	16·09	16
	5	La Marie Filter Bed.	1,850	2·35	9·80	19
	6	Réunion	1,420	1·65	12·66	11
	7	Terracine	150	1·31	*	4
	8	Clarens	150	0·90	*	4
12	1	The Manse ...	850	2·38	7·79	10
	2	The Bower	1,080	2·17	10·15	19
	3	Le Réduit (D. of A.).	1,000	2·04	*	17
	4	Alma	1,460	5·46	17·19	14
	5	Minissy	1,150	1·47	*	9
	6	Bagatelle ...	1,250	2·21	8·98	17
	7	Highlands	1,300	4·06	7·39	15
	8	Trianon	950	2·11	9·46	9
	9	Salency	923	2·37	8·05	6
	10	Military Camp (V.)..	1,370	2·51	10·83	21
	11	La Ferme	350	§	§	§
	12	Bon Air	1,050	1·44	10·18	5
	13	Val Ory	1,100	1·81	8·53	14
13	1	Salines (Roche Bois)	10	§	§	§
	2	The Albion Dock ...	18	0·69	5·76	5
	3	Line Barracks ...	10	2·96	9·56	11

§ Returns not received
* Normals not available

TABLE XV.—STATE of SEA on the reefs at eight STATIONS round the COAST of MAURITIUS.

(*The direction of the wave, if any, is given for Port Louis only.*)

Day 1915.	Port Louis (N. to W.N.W.)	Tron aux Biches (N. to S.W.)	Grand Gaube (N. to S.E.)	Poudre d'Or (N.N.E. to E.S.E.)	Vieux Grand Port (E. to S.E.)	Souillac (South)	Baie du Cap (S.S.W.)	Case Noyale (W. to S.W.)
Jan. 1	...	calm	...	light	...	calm	calm	calm
2	...	,,	...	calm	...	,,	,,	,,
3	...	,,	...	light	...	,,	,,	,,
4	...	,,	...	,,	calm	,,	,,	,,
5	...	,,	calm	,,	,,	,,	,,	,,
6	...	,,	,,	calm	,,	,,	,,	,,
7	...	mod.	,,	,,	,,	,,	,,	mod.
8	...	,,	,,	,,	,,	,,	,,	,,
9	...	calm	,,	,,	,,	,,	,,	,,
10	...	,,	,,	,,	,,	,,	,,	,,
11	...	,,	,,	,,	,,	,,	,,	,,
12	...	,,	,,	,,	,,	,,	,,	,,
13	...	,,	,,	,,	,,	,,	,,	,,
14	...	,,	,,	,,	,,	,,	,,	,,
15	...	,,	,,	,,	,,	,,	,,	,,
16	...	,,	,,	,,	,,	,,	,,	,,
17	...	,,	,,	,,	,,	,,	,,	,,
18	...	,,	,,	,,	,,	,,	,,	,,
19	...	,,	,,	,,	,,	,,	,,	,,
20	...	,,	,,	,,	,,	mod.	,,	,,
21	...	,,	,,	,,	,,	,,	,,	,,
22	...	,,	,,	,,	,,	calm	,,	,,
23	...	,,	,,	light	,,	,,	,,	,,
24	...	mod.	,,	calm	,,	,,	,,	,,
25	...	,,	,,	,,	,,	,,	light	light
26	...	calm	,,	,,	,,	,,	calm	calm
27	...	mod.	,,	,,	,,	,,	,,	,,
28	...	calm	,,	,,	,,	,,	,,	,,
29	...	,,	,,	,,	,,	,,	light	light
30	...	mod.	,,	,,	,,	,,	,,	,,
31	...	calm	,,	,,	,,	,,	,,	,,

TABLE XVI.—DAILY OBSERVATIONS received by CABLEGRAM from the reporting station at RODRIGUES in charge of the SUPERINTENDENT of the EASTERN TELEGRAPH COMPANY.

Day 1915.	Barometric Pressure at 9 a.m. (corrected for Temperature.)	Wind. Direction at 9 a.m.	Wind. Number of miles run for 24 hours.	Amount of Rain measured at 9. a.m.	Weather.
	ins.		miles.		
Jan. 1	29·914	S.E.	245	...	fine.
2	911	E.b.S.	253	...	,,
3	933	E.b.S.	230	...	,,
4	917	S.S.E.	227	...	,,
5	906	E.b.S.	218	...	,,
6	917	E.S.E.	171	...	,,
7	910	E.b.S.	184	...	,,
8	895	E.b.N.	220	...	cloudy.
9	903	S.E.	201	...	Partially cloudy.
10	898	E.S.E.	127	...	,,
11	924	E.	175	...	fine.
12	928	E.b.S.	155	·02	fine; clear.
13	939	E.b.S.	174	·08	cloudy; showery.
14	924	E.	143	·22	,,
15	916	E.b.S.	147	·08	cloudy.
16	948	E.b.N.	200	·24	cloudy; showery.
17	973	E.N.E.	186	...	fine; clear.
18	973	E.	127	...	fine.
19	910	E.	147	...	fine; clear
20	824	E.N.E.	103	...	,,
51	781	E.b.N.	140	...	,,
22	846	E.b.N.	215	·04	,,
23	904	E.b.N.	217	...	cloudy.
24	844	E.b.N.	278	...	,,
25	842	E.b.N.	227	·09	fine; clear
26	879	E.b.N.	223	...	,,
27	870	E.N.E.	193	...	,,
28	922	E.N.E.	275	·01	overcast.
29	899	E.	240	·04	fine; clear.
30	855	E.	174	·17	,,
31	822	E.	223	...	cloudy.
Mean	29·900	...	192	1·09	.....

96

NEW SERIES (MONTHLY). VOL. I. PART 2. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

FEBRUARY, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

APR 10 1915

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

ERRATA.

JANUARY BULLETIN.

PAGE.		
(ii)	Column 1. Average.	*For* 29·774 *read* 29·744.
(xvi)	11–2 Delete Station Benares (returns not received).	
	11–7 *For* Terracine *read* Tamarin.	
	1–7 Mon Loisir R. normal.	*For* 3·45 *read* 7·05.
	1–8 Mon Loisir (S.E.)	„ 12·53 „ 6·24.

NEW SERIES (MONTHLY). VOL. I. PART 2. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

FEBRUARY, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1915.

Month and Day. 1915.	Barometric Pressure. Mean.	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
Feb. 1	29·808	+·083	86·5	72·2	14·3	78·6	0·0	73·6	70·2	− 0·7	76	− 2	·737	65·3	0·195	20	·225	5·9
2	29·866	+·141	85·5	76·0	9·5	80·2	+1·6	74·2	70·1	− 0·8	71	− 7	·734	72·0	0·005	5	·225	6·3
3	29·848	+·124	88·2	74·5	13·7	80·5	+1·9	73·3	68·3	− 2·6	67	−11	·691	70·1	0·000	...	·240	4·1
4	29·799	+·075	88·2	72·5	15·7	79·2	+0·6	72·1	67·1	− 3·8	67	−11	·663	65·5	0·005	5	·225	5·5
5	29·790	+·066	89·5	73·3	16·2	79·8	+1·2	73·3	68·7	− 2·3	69	− 9	·700	68·9	0·040	30	·300	5·1
6	29·760	+·037	89·0	70·5	18·5	78·6	0·0	72·9	68·8	− 2·2	72	− 6	·703	64·8	0·355	145	·265	5·8
7	29·707	−·016	85·0	75·4	9·6	78·8	+0·2	75·2	72·6	+ 1·6	82	+ 4	·799	72·3	0·080	35	·150	8·2
8	29·717	−·006	88·3	74·1	14·2	80·5	+1·9	76·0	72·9	+ 1·9	78	0	·807	71·9	0·640	210	·221	8·7
9	29·759	+·036	87·5	75·8	11·7	80·4	+1·8	75·3	71·7	+ 0·6	75	− 3	·775	72·8	0·005	5	·258	5·5
10	29·774	+·051	81·8	76·0	5·8	76·8	−1·8	74·2	72·3	+ 1·2	86	+ 8	·791	73·2	0·180	165	·170	7·5
11	29·747	+·023	85·8	72·1	13·7	79·0	+0·4	73·7	70·1	− 1·0	74	− 4	·734	67·7	0·000	...	·230	5·8
12	29·731	+·007	90·5	71·4	19·1	79·3	+0·7	73·6	69·6	− 1·5	72	− 5	·722	67·1	0·250	70	·190	5·8
13	29·718	−·006	89·4	71·4	18·0	79·6	+1·0	74·0	70·1	− 1·0	73	− 5	·734	67·8	0·010	10	·240	5·1
14	29·733	+·009	88·8	74·3	14·5	80·7	+2·1	74·6	70·3	− 0·8	71	− 7	·739	68·8	0·000	...	·280	5·0
15	29·748	+·024	88·1	73·6	14·5	80·7	+2·2	74·8	70·8	− 0·4	72	− 7	·752	69·4	0·065	35	·335	4·9
16	29·728	+·003	87·5	73·0	14·5	80·9	+2·4	75·2	71·2	0·0	73	− 6	·763	72·4	0·170	20	·290	5·8
17	29·651	−·074	87·6	76·2	11·4	81·4	+2·9	75·4	71·3	+ 0·1	71	− 8	·765	74·9	0·175	25	·175	5·2
18	29·558	−·168	85·5	76·7	8·8	79·9	+1·4	76·8	74·6	+ 3·4	84	+ 5	·855	73·2	0·995	130	·305	8·6
19	29·629	−·097	80·0	74·0	6·0	76·7	−1·8	75·7	75·0	+ 3·8	94	+15	·866	72·6	6·160	915	·017	10·0
20	29·681	−·045	84·6	74·0	10·6	78·4	−0·1	76·5	75·2	+ 4·0	90	+11	·872	72·7	0·220	110	·110	8·8
21	29·715	−·012	87·1	75·8	11·3	80·3	+1·9	77·2	75·1	+ 3·9	84	+ 5	·869	73·6	0·475	105	·195	6·4
22	29·759	+·031	86·6	76·7	9·9	80·8	+2·4	76·3	73·2	+ 2·0	78	− 1	·816	73·3	0·000	...	·220	4·9
23	29·763	+·035	85·6	77·2	8·4	80·8	+2·4	76·4	73·5	+ 2·3	79	0	·824	74·2	0·000	...	·210	6·2
24	29·763	+·034	86·1	74·7	11·4	80·3	+1·9	74·2	70·1	− 1·1	71	− 8	·734	75·2	0·000	...	·270	4·7
25	29·753	+·024	86·6	73·1	13·5	79·7	+1·4	74·3	70·5	− 0·8	74	− 5	·744	68·4	0·000	...	·260	3·3
26	29·788	+·058	86·6	74·1	12·5	79·7	+1·4	75·4	72·5	+ 1·2	79	0	·797	71·2	0·070	15	·220	5·5
27	29·805	+·074	86·5	72·9	13·6	79·5	+1·2	74·4	71·0	− 0·3	75	− 4	·757	68·8	0·010	5	·260	4·5
28	29·787	+·055	86·7	74·7	12·0	79·2	+1·0	74·9	71·8	+ 0·5	79	0	·778	71·2	0·020	20	·260	7·0
Mean	29·746	+·020	86·8	74·2	12·6	79·7	+1·2	74·8	71·4	+ 0·3	76·3	−2·2	·769	70·7	Sum 10·125	Sum 2080	·227	6·1
Average	29·726	...	85·6	72·9	12·7	78·5	...	74·2	71·1	...	78·5	...	·760	68·8	7·034	1985	·212	5·9
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of February.

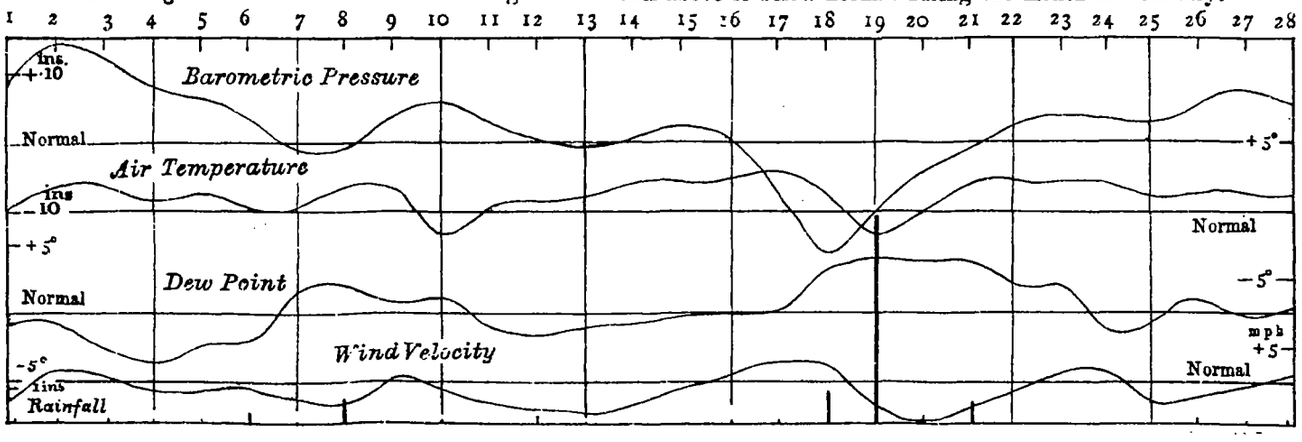


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches.	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
Feb. 1	3·9	30	− 0·9	+ 7·3	83	7·3	0	− 1·0	8·2	− 2·9	76·76	80·9	86·79	86·16	86·29	f. : c.p. : c. : f.
2	5·6	43	− 3·4	+12·3	75	12·8	− 8	+ 4·5	13·0	+ 1·9	76·66	80·9	85·13	84·33	83·44	f. : o. : c. : f.
3	11·9	92	− 3·5	+11·0	72	11·5	− 11	+ 3·2	12·0	+ 0·9	76·76	80·8	85·31	85·00	84·86	f.
4	5·9	46	− 3·6	+ 7·9	65	8·7	− 17	+ 0·5	9·2	− 1·9	76·76	80·8	86·47	85·84	85·28	f. : c.p.
5	9·6	74	− 1·1	+ 8·8	83	8·9	+ 1	+ 0·7	9·6	− 1·5	76·76	81·0	86·07	85·77	82·79	c.p. : f. :c.p.: b.
6	6·5	50	− 6·6	+ 8·1	51	10·4	− 31	+ 2·2	10·7	− 0·4	76·86	80·8	86·69	86·02	84·41	b. : f. : c. : o.g.p. : c.
7	4·6	36	− 3·1	+ 7·0	66	7·7	− 16	− 0·5	8·3	− 2·8	76·86	80·8	85·49	84·72	83·31	o.t.l:o.g: c.p. : c.
8	7·0	55	− 0·8	+ 6·6	83	6·7	+ 1	− 1·5	7·7	− 3·4	76·86	80·9	84·70	84·53	84·55	o. : c. : o.t: o.l.p.
9	9·9	77	− 3·3	+11·0	73	11·5	− 9	+ 3·3	11·8	+ 0·7	76·91	80·9	85·34	85·34	85·37	c. :c.d.: f.
10	1·3	10	− 3·2	+ 9·2	71	9·7	− 11	+ 1·5	10·1	− 1·0	76·86	80·9	85·16	84·38	82·56	f. : c.p. : c. : c.p.
11	9·2	72	+ 1·8	+ 6·8	105	7·0	+ 23	− 1·2	7·6	− 3·4	76·96	80·9	83·45	83·10	81·97	f. : c. : f.
12	8·4	66	+ 1·9	+ 4·3	114	4·7	+ 33	− 3·4	7·2	− 3·8	77·06	81·2	84·55	84·56	84·59	f. : c. :c.p.: f.
13	7·2	56	+ 2·5	+ 3·8	123	4·5	+ 42	− 3·6	6·3	− 4·7	77·06	80·9	84·90	84·65	83·70	f. : c.
14	10·4	82	+ 1·9	+ 7·0	105	7·3	+ 24	− 0·8	8·0	− 3·0	77·06	81·0	85·03	85·01	84·91	f. : c. : f. : c.l.: f
15	11·7	92	+ 1·8	+ 9·6	101	9·8	+ 20	+ 1·7	10·3	− 0·7	76·86	81·0	86·22	86·19	86·89	f. :c.p.: c. : f.l.p.
16	10·7	84	+ 3·6	+11·7	107	12·2	+ 26	+ 4·1	12·6	+ 1·6	77·06	81·0	86·37	86·12	85·16	c.p. : f. : c. : f.
17	10·2	80	+ 5·6	+12·4	114	13·6	+ 33	+ 5·5	13·8	+ 2·8	77·06	81·0	85·69	85·60	85·79	f. : c.p: c. : f.p.l.
18	2·1	17	0·0	+ 0·3	90	0·3	+ 9	− 7·8	13·6	+ 2·6	77·11	81·3	85·16	84·60	83·78	f. : c.g. : o.g. :ogl.p.
19	0·0	0	+ 3·7	− 2·4	213	4·4	+132	− 3·7	7·2	− 3·8	77·06	81·0	83·22	81·25	78·85	o.g. :o.g.p.t.: o.g.r.tsm.
20	2·8	22	+ 2·1	+ 3·2	123	3·8	+ 42	− 4·3	5·3	− 5·7	77·06	81·2	79·74	78·73	79·48	o.g.r.l.t: o. :o.p: c. : f
21	7·5	60	+ 3·7	+ 5·6	125	6·7	+ 44	− 1·3	7·6	− 3·3	77·46	81·2	81·71	81·70	82·88	c.p. : c. : f.
22	10·8	86	+ 3·5	+ 8·8	112	9·5	+ 32	+ 1·5	9·7	− 1·2	77·56	81·2	83·09	83·58	85·07	f. : c. : f.
23	10·7	85	+ 1·4	+11·9	97	12·0	+ 17	+ 4·0	12·2	+ 1·3	77·46	81·4	84·09	84·50	84·93	f. : c. :c.l.
24	10·5	83	+ 1·1	+12·1	95	12·1	+ 15	+ 4·1	12·4	+ 1·5	77·46	81·4	84·96	85·10	87·15	o.g.l. : c. : f. : b.
25	11·3	90	+ 1·7	+ 6·8	104	7·0	+ 24	− 1·0	7·7	− 3·2	77·36	81·3	85·73	85·73	87·40	b. : f. : b.
26	7·8	62	+ 1·5	+ 7·4	101	7·6	+ 21	− 0·4	8·6	− 2·3	77·46	81·3	86·26	86·23	86·12	f. :c.p.: c. : f.
27	11·4	91	− 0·3	+ 9·2	88	9·2	+ 8	+ 1·2	10·1	− 0·7	77·46	81·4	85·81	85·01	86·31	f. : c.
28	8·8	70	− 2·9	+10·9	75	11·3	− 5	+ 3·3	11·6	+ 0·8	77·46	81·4	86·68	86·94	88·02	c.p. : f. : c.g.
Mean -	7·77	61·1	+ 0·18	+ 7·81	91·3	7·81	+10·1	− 0·32	9·73	−1·27	77·07	81·06	84·99	84·67	84·49	...
Average	7·59	59·7	− 1·24	+ 8·03	81·2	8·13	...	...	11·00	...	77·16	80·48	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Pressure decreased steadily from the 2nd. to the 8th. oscillated about normal until the 16th. and then fell rapidly to the 18th. under the influence of two cyclones, one of which formed to the North and filled up between Rodrigues and Mauritius on the 19th. while a second passed over the South of Madagascar on the 18th. coming from the Mozambique Channel.

The highest dew point temperature was 78°·9 at 9^h on the 21st. ; and the lowest 61°·6 at Noon on the 4th.

The highest relative humidity was 98% at 23^h on the 19th. ; and the lowest 43% at Noon on the 4th.

A thunderstorm occurred on the 19th., lightning was seen on the 7th., 8th., 14th., 15th., 17th. to 20th, 23rd. and 24th. and distant thunder heard on the 7th., 8th., 19th. and 20th.

The meteorological conditions of the month have been generally favourable from an agricultural point of view. The drought may be considered to have terminated at the end of January, although the chronological distribution, in the Northern districts especially, is still defective. Temperature was above normal on all days except the 10th., 19th. and 20th. and shows an excess of 1·2° on the mean daily temperature for the month.

The rainfall for the month was 44% above normal at the Observatory, but more than 70% of the total amount fell on the 18th. and 19th. The percentage variation from the normal in other parts of the Island was as follows :—

Northern Districts	River System 1,	2 % above normal
Eastern Districts	" " 2, 3, 4.	18 % above "
South-Eastern Districts	" " 5, 6	9 % below "
Western Districts	River System 11	normal.
	" " 12	7 % below normal.
	" " 13	1 % below "

* South (0°) ; East (90°) ; North (180°) West (270°).

TABLE II.—DAILY RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of FEBRUARY 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′				h m	h m	h m	″	h m	h m	h m	″	
Feb. 1	9.38·6	·23242	·30869	12·8	27	38										
2	39·2	238	869	13·8	46	36										
3	38·8	240	870	13·6	41	42										
4	39·2	250	871	13·8	45	37										
5	39·0	239	870	9·8	39	24										
6	39·6	234	873	9·0	33	19	1390	...	22.16·4	...	*	22.8·5	22.17·0	22·22·8	*	
7	38·7	244	875	9·2	34	21										
8	39·2	232	875	11·6	66	25										
9	39·1	212	879	5·6	43	14										
10	39·3	227	881	3·0	47	5										
11	38·5	234	877	9·8	42	28										
12	38·5	247	878	9·8	44	14										
13	38·9	246	877	10·6	43	23										
14	39·2	243	877	10·2	25	27										
15	38·8	251	874	10·6	45	33										
16	39·6	249	876	10·6	37	25										
17	...	...	874	...	...	42										
18	39·2	246	873	9·8	39	28										
19	39·1	233	876	12·2	90	26										
20	39·0	219	882	11·2	63	35										
21	39·3	230	878	9·8	37	22										
22	39·3	231	878	9·6	21	21										
23	39·5	227	877	10·0	38	22										
24	39·1	231	875	8·0	33	31										
25	39·3	234	874	7·6	41	31	1391	20.57·1	21·20·9	21.48·5	...	21·0·7	21. 8·4	21.33·1	0·06	
26	38·2	232	875	6·2	47	26										
27	38·8	234	879	4·0	20	7										
28	39·4	241	878	6·4	32	23	1392	19.18·1	19.34·2	19·57·1	0·16	19.21·9	19.34·2	20. 0·4	0·14	
Mean	9.39·05	·23236	·30875	9·58	41·4	25·9	...	...	...	...	...	...	...	...	...	...

* Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of FEBRUARY 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.	MAGNETIC DISTURBANCES. Element.	Time of. Beg:	Time of. End.	Time of. Max:	Time of. Min:	Total Range
d h m	° ′	d h m		d h m	° ′		d h	d h	d h	d h	γ
Feb. 4. 8.29	9.43·92	Feb. 4. 9.29	·23251	Feb. 3. 8.57	53. 2·9	Hor. Force	19.14	21.23	19.14	19.23	90
13.52	9.33·35	13.21	·23282	6. 9.18	53. 0·9						
11. 8.42	9.43·34	11. 9.32	·23218	10. 8.32	53. 2·8						
13.37	9.33·63	12.57	·23259	13. 9.12	53. 3·4						
18. 8.58	9.43·14	18. 9.43	·23228	17. 8.36	53. 3·4						
13.54	9.35·46	12.55	·23273	24. 9.15	53. 2·3						
25. 8.41	9.40·94	25. 9.34	·23240	27.12. 3	53. 2·4						
13.53	9.37·66	13. 5	·23255								

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

February 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	ins. 29·000																
Midnight	769	876	884	829	819	816	731	721	772	799	774	763	754	739	769	771	Midnight
1h	754	857	872	817	806	807	726	707	769	784	762	743	744	729	749	744	1h
2	743	847	862	807	785	795	717	697	744	769	753	719	731	716	734	724	2
3	744	837	856	797	769	787	704	687	726	753	736	706	718	709	731	710	3
4	748	839	857	795	774	782	706	667	726	753	741	705	711	708	732	710	4
5	759	843	862	796	777	777	700	683	726	754	735	711	708	710	730	718	5
6	779	859	877	815	792	788	713	694	744	762	753	710	705	722	745	734	6
7	798	868	888	817	803	793	718	701	765	784	764	731	735	741	758	754	7
8	802	878	887	824	808	798	723	707	775	795	776	745	747	752	771	767	8
9	808	891	897	825	807	794	728	719	786	807	785	757	757	757	776	767	9
10	818	894	877	819	803	781	709	719	782	816	781	756	747	761	776	754	10
11	838	884	869	804	799	774	719	719	782	812	766	756	737	760	772	737	11
Noon	815	875	855	788	781	759	709	709	770	787	746	746	720	744	758	727	Noon
13h	810	870	837	770	770	750	695	703	754	766	735	726	698	724	736	718	13h
14	805	860	826	761	761	731	681	699	726	758	711	711	685	705	726	695	14
15	811	851	806	757	753	721	671	694	725	743	706	705	671	694	716	686	15
16	805	840	798	750	750	710	668	697	726	736	706	701	673	688	715	684	16
17	800	835	789	759	754	715	675	705	731	735	701	703	679	698	716	686	17
18	814	854	804	773	773	725	680	722	741	750	716	706	695	714	725	701	18
19	837	867	819	789	800	734	699	732	764	757	735	730	705	735	734	715	19
20	851	879	830	823	813	738	716	751	784	797	757	743	720	755	755	735	20
21	866	887	837	817	819	735	722	769	799	795	760	752	730	765	770	754	21
22	883	887	845	829	825	739	727	785	805	794	769	762	735	778	781	753	22
23	885	890	837	827	826	737	727	784	807	785	774	765	738	775	784	745	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	Mean.	Day. \ Hour.
	ins. 29·000													
Midnight	738	604	618	678	726	757	778	785	785	789	832	820	768	Midnight
1h	719	598	602	675	708	750	772	780	767	785	823	821	756	1h
2	700	567	593	661	697	743	758	775	755	773	813	798	742	2
3	682	551	593	643	689	742	748	765	735	766	800	787	731	3
4	668	546	593	633	678	743	755	754	734	762	791	784	728	4
5	671	534	596	642	689	751	755	754	739	760	793	784	731	5
6	682	536	607	650	708	756	767	763	753	771	790	786	741	6
7	699	549	625	669	714	761	766	768	765	780	805	795	754	7
8	704	563	638	694	725	776	776	784	767	796	815	806	764	8
9	703	562	645	700	734	785	782	784	777	799	823	808	770	9
10	689	566	654	702	732	784	786	779	775	805	826	807	768	10
11	677	566	635	696	725	784	776	777	774	798	819	800	763	11
Noon	665	552	625	695	715	766	766	774	757	791	807	781	749	Noon
13h	635	534	620	684	697	757	761	750	737	777	796	767	735	13h
14	610	518	608	677	689	742	738	726	717	765	778	748	720	14
15	587	516	608	667	680	728	721	721	702	756	770	741	711	15
16	575	517	602	654	690	727	720	718	699	756	761	738	707	16
17	574	517	608	652	698	728	717	717	706	758	769	755	710	17
18	598	524	624	666	710	736	742	730	724	773	783	767	724	18
19	611	546	637	687	727	756	759	755	742	798	806	783	741	19
20	618	582	663	706	742	773	776	774	764	819	822	799	760	20
21	624	601	677	717	752	787	794	787	775	835	832	805	770	21
22	634	627	708	738	758	786	802	803	791	838	831	814	779	22
23	641	617	685	727	757	792	801	797	795	846	835	806	779	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

February 1915.

Day. / Hour.	1d. Air.	1d. Evaporation.	2d. Air.	2d. Evaporation.	3d. Air.	3d. Evaporation.	4d. Air.	4d. Evaporation.	5d. Air.	5d. Evaporation.	6d. Air.	6d. Evaporation.	7d. Air.	7d. Evaporation.	8d. Air.	8d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	78·5	74·0	77·4	73·5	77·0	73·3	76·3	72·9	74·5	71·8	75·0	72·7	76·8	74·9	76·4	74·2	Midnight
1h	77·0	72·9	77·4	73·1	75·5	72·6	75·4	72·1	74·4	71·9	74·0	71·7	76·9	75·0	76·4	74·8	1h
2	76·7	72·9	76·7	73·0	74·8	72·0	75·0	72·0	74·4	72·1	73·0	71·0	77·0	75·2	75·4	74·0	2
3	74·3	71·4	77·1	73·1	74·6	72·0	74·4	71·6	74·5	72·1	72·7	70·1	76·6	75·0	74·4	73·0	3
4	73·3	70·4	76·5	72·8	74·5	72·1	73·5	70·7	73·8	71·9	72·0	69·9	76·4	74·9	74·2	72·7	4
5	72·5	70·0	76·4	72·9	75·7	71·9	72·8	70·3	73·7	71·7	70·7	69·1	75·8	74·0	74·5	73·2	5
6	72·7	70·0	76·0	72·8	74·9	71·6	72·8	70·1	73·4	71·1	71·1	69·0	75·6	73·6	75·3	74·0	6
7	77·5	73·0	78·5	74·8	78·0	73·5	77·2	72·7	73·8	71·7	76·5	72·3	76·2	73·5	77·0	75·5	7
8	80·4	74·1	81·5	75·2	81·8	73·9	80·6	73·1	79·1	74·9	80·9	73·5	76·8	74·4	80·3	77·4	8
9	84·6	74·4	81·7	75·7	83·3	74·0	83·6	73·9	82·6	75·1	83·5	73·4	81·8	76·3	82·6	77·5	9
10	81·5	75·0	83·7	74·9	85·5	74·9	84·7	72·9	85·0	75·2	86·2	72·9	83·5	76·4	84·7	77·6	10
11	76·6	74·9	85·5	75·7	86·0	75·2	84·4	72·8	86·0	74·3	88·4	73·5	78·0	75·3	85·4	77·8	11
Noon	82·5	76·8	82·7	76·3	87·0	74·2	86·3	71·3	86·9	73·3	87·5	73·7	78·3	75·8	86·5	77·3	Noon
13h	86·0	76·3	84·0	74·5	87·5	75·1	85·7	72·1	87·5	74·1	85·4	73·3	81·5	76·6	87·4	78·5	13h
14	81·9	74·7	84·5	75·2	87·0	74·1	84·7	72·8	88·0	74·6	86·5	73·1	83·5	76·7	87·5	76·9	14
15	81·5	75·2	84·4	74·3	87·0	74·1	83·8	71·8	87·0	74·7	84·5	74·0	83·5	75·9	87·0	76·7	15
16	80·5	74·0	84·0	74·8	86·0	72·5	82·9	72·3	85·0	73·7	79·5	75·6	82·5	75·7	85·5	77·2	16
17	81·3	74·3	84·0	73·8	84·5	73·7	81·7	72·5	84·9	74·7	80·8	74·3	81·7	75·9	83·5	77·6	17
18	80·6	73·8	82·1	74·9	83·0	73·8	81·1	72·5	82·5	73·8	75·8	74·1	80·7	75·0	82·5	77·1	18
19	78·5	73·9	80·1	74·8	80·2	73·0	79·5	72·7	80·5	73·8	75·8	73·8	79·2	75·2	81·4	76·4	19
20	77·1	73·8	78·6	73·9	78·5	73·3	78·1	72·6	79·2	73·0	75·9	73·4	78·4	75·3	80·3	76·9	20
21	77·1	74·0	77·8	73·7	77·6	73·4	76·5	72·2	77·5	72·8	76·3	73·9	77·4	75·1	79·5	76·6	21
22	77·2	74·0	77·6	73·7	76·7	72·5	75·7	72·0	75·5	73·1	76·1	74·0	77·3	75·1	77·5	75·4	22
23	76·9	74·0	77·4	73·4	76·5	72·8	74·7	71·5	75·0	72·4	77·1	75·0	77·3	74·9	76·4	74·9	23

Day. / Hour.	9d. Air.	9d. Evaporation.	10d. Air.	10d. Evaporation.	11d. Air.	11d. Evaporation.	12d. Air.	12d. Evaporation.	13d. Air.	13d. Evaporation.	14d. Air.	14d. Evaporation.	15d. Air.	15d. Evaporation.	16d. Air.	16d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	76·1	74·7	77·3	75·2	74·5	73·0	74·5	72·2	74·5	73·0	75·9	73·3	75·9	73·1	77·4	75·4	Midnight
1h	76·3	74·7	77·0	75·0	74·7	73·0	74·2	72·0	74·0	72·4	75·1	72·9	76·0	73·1	77·3	75·2	1h
2	76·2	74·2	76·8	74·7	74·0	72·4	73·5	71·7	73·2	71·6	75·0	72·7	74·5	72·1	75·0	73·2	2
3	76·1	74·6	76·5	74·3	73·2	71·5	72·8	71·1	72·7	71·4	74·5	72·7	74·1	72·0	76·0	74·0	3
4	76·2	74·7	76·6	74·5	72·7	71·5	72·7	71·0	72·4	71·0	74·3	72·2	73·8	71·9	77·4	74·8	4
5	75·9	74·3	76·7	74·8	72·2	71·0	71·8	70·3	71·7	70·2	75·1	73·4	73·9	72·0	77·4	74·5	5
6	76·0	74·0	76·8	75·2	72·2	70·9	71·6	70·0	71·9	70·5	75·4	73·5	75·4	73·6	77·6	74·7	6
7	78·0	75·9	77·0	75·2	74·5	73·0	76·0	74·0	75·2	74·0	76·5	74·0	77·2	75·9	80·3	75·7	7
8	80·5	76·0	77·3	75·0	80·4	75·1	82·1	75·6	80·7	75·8	82·6	76·4	81·6	75·7	81·5	75·4	8
9	79·1	75·9	77·6	74·9	83·1	75·9	82·9	75·7	82·4	75·4	84·1	76·0	83·6	76·8	83·6	76·7	9
10	83·6	75·9	76·0	74·2	83·5	75·4	87·2	75·9	84·5	75·7	85·7	75·9	85·2	76·3	84·1	76·7	10
11	85·3	76·1	76·3	74·0	85·0	75·3	85·7	76·0	85·2	76·6	86·5	75·8	86·6	76·7	85·5	75·9	11
Noon	86·3	75·0	76·5	74·2	85·0	75·4	89·0	76·0	86·4	77·3	88·2	77·2	86·5	76·2	84·8	75·8	Noon
13h	86·7	76·0	77·7	74·8	85·3	75·5	88·4	75·4	88·5	77·8	87·7	76·9	87·5	76·1	85·4	76·3	13h
14	85·8	76·2	78·1	74·8	84·5	75·1	87·2	75·4	86·5	76·2	85·9	74·7	86·4	75·2	86·1	76·2	14
15	86·4	76·2	78·3	74·9	84·0	74·6	86·5	75·7	86·8	74·8	87·3	75·9	86·7	76·2	85·5	75·9	15
16	85·9	75·2	80·6	74·7	84·5	74·9	88·2	76·7	85·5	74·7	86·0	74·7	86·0	75·7	84·2	76·2	16
17	84·2	74·9	81·4	75·6	83·9	75·5	84·7	75·8	84·6	74·3	84·6	75·0	84·5	76·3	83·5	76·3	17
18	82·3	75·4	78·4	74·3	81·5	73·5	79·0	71·9	82·8	74·2	82·8	74·8	82·9	74·8	81·7	74·8	18
19	80·0	75·3	77·2	73·0	80·2	73·5	75·5	72·7	80·5	73·8	81·0	74·7	81·3	75·3	80·5	74·7	19
20	78·7	74·9	74·5	72·8	78·4	74·0	75·2	73·0	78·8	73·8	80·0	74·9	80·5	74·9	79·9	74·2	20
21	78·4	75·7	72·8	71·3	76·9	73·6	74·5	72·2	77·5	74·0	79·0	75·2	79·8	75·4	79·7	74·5	21
22	78·0	75·3	73·4	72·0	76·0	73·2	74·3	72·4	76·6	73·3	77·9	74·0	78·5	74·0	78·6	73·9	22
23	77·4	75·2	74·0	72·8	75·4	73·0	75·0	73·1	76·4	73·3	76·5	73·3	78·0	75·9	78·5	74·2	23

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

February 1915.

Day. / Hour.	17d. Air.	17d. Evaporation.	18d. Air.	18d. Evaporation.	19d. Air.	19d. Evaporation.	20d. Air.	20d. Evaporation.	21d. Air.	21d. Evaporation.	22d. Air.	22d. Evaporation.	23d. Air.	23d. Evaporation.	24d. Air.	24d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	78·5	74·3	77·4	75·4	77·8	76·2	74·3	73·4	76·5	75·4	78·2	76·6	78·5	75·3	79·2	75·2	Midnight
1h	78·4	74·4	77·6	75·1	76·0	74·9	74·5	73·9	76·5	75·6	77·7	75·8	77·9	75·1	79·3	75·4	1h
2	77·9	74·0	77·5	75·3	76·3	75·2	75·2	74·7	76·5	75·5	76·8	75·2	77·8	75·1	78·3	74·8	2
3	77·8	73·8	77·9	75·7	75·4	74·2	75·2	74·6	76·4	75·5	77·2	75·4	77·7	75·0	78·3	75·1	3
4	78·2	73·9	77·1	75·6	76·5	75·8	74·9	74·4	76·3	75·3	77·0	75·1	77·5	75·0	78·2	74·7	4
5	78·1	74·0	77·2	75·6	77·9	76·5	74·9	74·3	76·5	75·2	77·2	75·1	77·5	75·2	77·8	74·0	5
6	78·3	74·0	77·4	75·7	76·5	75·0	74·6	74·0	76·0	75·0	77·2	74·2	78·0	75·4	77·8	73·9	6
7	79·6	75·1	77·9	75·8	77·1	76·0	75·7	75·1	77·4	76·0	78·9	75·7	79·4	76·1	78·5	73·7	7
8	82·1	76·3	78·6	76·0	77·2	75·8	77·6	76·7	78·6	77·6	80·6	76·7	81·5	76·7	81·1	74·3	8
9	84·6	76·0	81·1	76·1	77·1	75·2	80·6	78·9	80·6	79·6	83·7	77·2	82·5	77·3	82·4	75·1	9
10	85·6	77·0	82·6	77·1	78·7	77·8	82·2	79·0	83·1	79·0	84·8	77·9	83·1	77·2	83·5	75·2	10
11	85·1	76·7	81·5	77·1	79·5	78·1	82·7	79·1	83·2	78·7	85·1	77·7	82·4	77·1	84·4	75·0	11
Noon	85·4	76·5	82·1	78·6	79·6	78·6	83·6	79·0	84·5	79·4	85·5	78·0	84·4	77·9	85·6	75·0	Noon
13h	84·8	76·1	84·5	79·2	78·6	77·6	82·2	78·5	84·7	78·8	85·7	78·1	83·7	77·2	86·1	74·6	13h
14	87·6	76·1	85·1	78·5	77·5	76·5	80·3	78·7	85·7	79·7	85·6	77·4	84·4	77·3	85·1	74·6	14
15	85·6	76·6	84·1	78·2	76·9	76·1	78·9	77·0	86·6	79·1	85·1	77·1	84·7	78·1	83·4	74·1	15
16	84·2	75·6	82·5	78·6	77·1	76·2	80·0	76·7	85·0	78·3	83·7	77·3	83·7	77·8	83·4	74·5	16
17	83·1	75·9	81·4	77·5	76·7	76·0	80·7	77·5	84·7	79·1	82·8	76·9	83·1	77·0	82·4	74·2	17
18	82·2	75·5	80·5	77·2	75·5	74·4	81·6	77·7	83·5	78·4	81·8	76·1	81·9	77·1	80·7	73·8	18
19	81·0	75·4	80·5	77·2	75·6	74·8	80·2	77·9	80·4	76·7	80·1	75·7	80·2	77·1	79·0	73·1	19
20	79·5	75·0	80·5	77·6	75·5	74·7	79·2	77·1	78·8	76·5	78·9	75·6	79·7	76·1	77·2	73·1	20
21	79·2	75·4	77·8	76·0	75·0	74·5	77·9	76·5	78·5	76·2	78·7	75·6	79·0	76·3	75·9	72·9	21
22	80·1	75·3	77·4	76·0	74·5	74·0	77·1	75·7	78·0	76·0	78·8	75·9	79·6	76·2	75·8	73·0	22
23	77·5	75·2	78·1	77·0	74·0	73·6	76·7	75·6	77·5	76·0	78·7	75·5	79·4	75·6	75·0	72·7	23

Day / Hour	25d. Air.	25d. Evaporation.	26d. Air.	26d. Evaporation.	27d. Air.	27d. Evaporation.	28d. Air.	28d. Evaporation.	Mean. Air.	Mean. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	
Midnight	74·8	72·8	76·5	74·3	74·9	73·1	76·5	74·7	76·5	74·1	Midnight
1h	74·2	72·2	77·3	75·2	74·5	72·7	76·3	74·6	76·1	73·8	1h
2	73·9	71·9	77·5	75·2	74·1	72·1	76·0	74·6	75·7	73·5	2
3	73·6	71·8	76·5	74·4	74·2	72·1	75·5	74·6	75·4	73·3	2
4	73·5	71·4	76·5	74·2	74·0	71·9	75·2	74·8	75·2	73·2	4
5	73·5	71·9	75·4	73·7	73·1	71·1	75·0	74·4	75·0	73·0	5
6	73·6	71·8	74·8	73·3	73·2	71·0	74·5	74·2	75·0	72·9	6
7	76·5	73·4	76·4	74·7	76·6	74·0	75·6	73·7	77·1	74·4	7
8	81·1	75·4	79·6	77·4	80·6	75·1	79·6	74·0	80·2	75·5	8
9	82·6	75·2	81·6	77·2	82·7	76·0	81·7	74·5	82·2	76·0	9
10	84·5	76·0	83·6	77·1	84·1	75·1	84·4	75·8	83·8	76·1	10
11	84·6	75·9	82·6	77·6	84·8	76·0	84·8	75·8	83·8	76·1	11
Noon	85·6	75·2	84·9	77·8	85·6	76·9	85·6	76·2	84·7	76·2	Noon
13h	85·5	75·6	86·4	78·7	85·6	76·7	85·9	75·0	85·2	76·3	13h
14	86·5	75·6	84·6	76·6	84·6	76·7	86·4	75·5	84·9	75·9	14
15	85·6	75·6	84·5	76·1	84·8	75·8	84·5	75·7	83·5	75·7	15
16	83·8	75·1	83·5	75·8	84·5	75·3	83·0	77·1	83·6	75·6	16
17	83·2	75·1	82·4	75·6	83·5	76·0	79·3	74·7	82·8	75·6	17
18	81·5	75·0	81·2	74·4	81·4	75·1	79·0	74·3	81·1	74·9	18
19	80·0	74·8	79·5	75·1	79·5	74·2	77·2	73·7	79·5	74·7	19
20	79·1	75·1	78·0	74·9	78·3	74·7	76·1	74·0	78·3	74·6	20
21	79·1	75·3	77·2	74·4	77·7	74·7	76·2	74·0	77·5	74·5	21
22	78·2	75·0	76·5	74·0	77·5	74·7	75·7	74·3	77·0	74·2	22
23	77·2	74·3	75·8	73·8	77·0	74·5	76·2	74·8	76·6	74·2	23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour. \ Day.	February 1915.																											
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	Mean.
Midnight	4	4	2	5	4	5	10	7	6	2	5	5	2	3	3	8	5	3	10	10	5	2	2	10	1	5	2	10	5·1
1h	6	2	2	6	5	2	10	9	9	4	3	4	2	3	1	10	3	4	10	10	4	1	4	10	3	6	2	8	5·1
2	4	2	3	4	7	2	10	10	9	5	1	5	1	4	2	10	1	6	10	10	7	3	3	10	3	6	4	9	5·4
3	1	8	4	3	5	1	10	10	10	2	3	3	2	5	2	5	3	6	10	10	9	4	4	6	2	4	3	8	5·1
4	2	6	6	4	7	0	8	10	10	3	3	2	2	8	2	6	4	7	10	10	8	5	6	4	2	3	2	9	5·3
5	3	4	5	5	6	0	9	10	8	4	6	2	3	7	7	4	4	8	10	10	9	8	5	6	1	4	3	6	5·6
6	3	4	4	6	4	2	7	8	6	5	5	3	2	8	8	4	4	8	10	10	10	9	4	5	1	5	3	4	5·4
7	7	4	5	4	6	3	10	8	5	8	4	3	4	7	7	4	5	8	10	10	9	9	4	6	2	6	4	5	6·0
8	6	4	2	5	5	4	7	7	4	9	4	4	4	6	8	6	4	8	10	10	8	8	7	5	3	9	5	5	6·0
9	7	10	7	5	6	7	6	6	9	10	7	8	8	5	6	7	4	6	10	10	7	5	6	6	5	7	5	4	6·7
10	9	9	5	5	7	8	7	7	5	10	6	8	7	5	5	7	3	8	10	10	7	6	7	5	5	7	4	3	6·6
11	10	9	6	5	7	9	10	8	5	10	7	9	6	5	5	6	5	10	10	10	6	5	9	5	5	9	4	4	7·1
Noon	6	10	5	5	5	8	8	7	5	10	7	8	6	4	5	8	6	10	10	10	6	6	8	6	4	7	5	3	6·7
13h	8	10	4	6	5	9	9	7	4	10	7	8	6	4	6	4	8	10	10	10	7	6	7	6	5	8	4	6	6·9
14	9	10	5	5	6	9	8	8	5	9	8	8	6	3	5	7	8	10	10	10	7	6	7	6	5	8	4	6	7·1
15	10	10	4	8	4	10	8	9	3	9	9	7	7	6	7	7	8	10	10	10	8	5	7	5	6	7	4	6	7·2
16	9	9	4	8	5	10	8	9	4	8	9	8	8	4	7	6	8	10	10	10	8	5	7	4	7	6	5	9	7·3
17	7	9	5	8	5	10	8	10	4	9	9	9	8	5	7	6	8	10	10	9	7	4	7	2	5	4	5	10	7·1
18	4	8	4	8	5	10	9	10	6	9	9	9	6	6	4	6	7	10	10	10	8	4	7	2	4	3	4	10	6·8
19	5	7	3	7	4	8	9	10	4	8	8	10	8	6	3	6	7	10	10	9	6	4	7	2	2	3	6	10	6·5
20	6	3	2	6	0	3	10	10	2	10	7	8	7	7	2	4	5	10	10	5	3	3	4	2	2	3	7	9	5·4
21	2	3	2	4	3	1	9	10	1	10	5	3	8	7	2	4	2	10	10	4	2	3	5	1	2	2	5	6	4·5
22	8	3	4	8	9	8	4	10	4	8	4	4	6	2	5	4	6	10	10	3	2	3	9	2	2	8	5	10	5·7
23	5	4	3	2	2	8	5	10	6	5	4	3	3	1	7	2	7	10	10	5	3	4	8	1	1	3	9	10	5·0

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	February 1915.																											
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	Total.
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	3	0	2	0	0	8	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·3
7	40	40	60	58	6	59	0	11	35	0	56	60	55	0	50	50	31	0	0	0	0	6	42	20	50	0	45	35	13·5
8	27	34	60	60	40	60	10	45	40	15	60	60	60	35	60	59	57	6	0	4	4	58	58	30	60	26	60	59	19·1
9	37	20	60	60	60	60	58	60	30	10	58	58	56	59	60	59	57	54	0	44	40	60	58	60	60	48	59	60	23·4
10	35	40	60	37	60	55	57	60	60	2	59	58	60	60	60	60	60	35	0	36	54	60	55	60	60	59	60	60	23·7
11	0	35	60	47	60	56	20	50	60	0	58	55	24	60	60	60	60	10	0	25	52	60	54	60	60	45	60	60	20·9
Noon	20	10	60	59	60	50	0	60	60	0	60	60	35	58	60	59	48	0	0	12	46	60	50	60	60	60	60	60	20·5
13h	51	2	60	28	60	25	54	60	60	0	60	58	57	59	60	59	44	10	0	0	40	60	60	60	60	52	60	60	20·9
14	0	15	57	0	60	8	50	60	60	0	46	20	12	55	60	58	60	12	0	0	59	60	59	60	60	46	52	60	18·1
15	0	40	60	0	58	0	25	15	60	5	10	20	46	60	60	48	59	0	0	0	60	60	60	60	54	37	59	46	16·7
16	10	33	60	0	34	12	0	0	60	16	28	48	22	60	60	54	59	0	0	0	30	57	57	60	52	22	60	27	15·4
17	10	51	60	0	58	0	0	0	27	15	47	0	8	60	58	52	55	0	0	28	35	60	60	60	60	42	59	0	15·1
18	0	15	54	8	22	0	0	0	40	15	10	0	0	55	54	25	22	0	0	20	30	50	31	42	41	28	47	0	10·1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 217·7 hours; the corresponding period during which the sun was above the horizon was 356·3 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

February 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	4·8	9·2	8·6	4·6	7·6	7·7	8·6	4·4	4·2	8·2	8·2	3·5	3·2	4·2	6·1	7·5	Midnight
1h	5·6	10·2	10·6	5·8	8·0	7·3	6·9	3·9	5·0	7·8	8·0	5·2	5·0	3·5	6·3	11·7	1h
2	4·6	8·8	6·3	5·2	7·5	4·2	6·3	10·2	3·0	8·6	6·7	5·6	3·2	3·9	6·5	10·6	2
3	4·6	9·4	8·2	4·2	8·0	4·8	5·0	7·8	2·2	8·4	6·1	4·4	5·2	4·4	3·5	10·2	3
4	4·6	9·4	9·2	4·4	4·6	5·9	3·9	7·6	2·8	8·6	4·2	6·1	4·2	3·7	5·2	8·2	4
5	5·9	8·0	9·2	3·5	4·4	6·1	3·2	6·1	4·4	8·8	6·3	3·4	4·8	3·9	7·6	9·2	5
6	6·5	9·4	13·1	4·2	4·4	6·9	4·4	8·0	8·4	8·4	3·2	3·9	3·9	3·7	3·4	7·8	6
7	4·4	10·6	13·1	6·5	4·8	9·6	8·6	8·2	11·7	6·7	4·2	4·4	3·1	4·6	4·6	9·6	7
8	7·1	12·3	16·9	12·1	10·8	16·1	12·3	7·1	13·3	8·8	8·0	5·6	3·9	10·8	12·1	15·1	8
9	8·6	16·5	15·9	15·1	11·5	14·3	11·3	11·2	16·9	16·7	9·6	6·5	7·5	11·4	12·3	17·1	9
10	14·9	17·1	15·7	15·1	13·3	15·9	12·3	12·9	17·7	10·1	10·8	7·8	4·4	10·2	15·7	13·7	10
11	8·2	16·5	15·7	15·9	14·3	16·1	13·5	11·0	18·7	10·1	10·2	9·8	7·1	13·9	14·1	21·1	11
Noon	8·2	16·1	18·1	12·5	12·3	15·9	13·1	10·8	20·5	12·1	10·8	11·6	13·1	10·8	14·3	17·5	Noon
13h	9·6	17·7	16·3	13·9	14·1	12·3	14·1	12·1	18·3	12·1	11·5	12·1	12·3	11·6	15·9	20·1	13h
14	14·5	19·1	14·9	13·9	14·1	17·3	13·9	10·8	19·5	13·1	12·5	14·1	11·4	11·6	15·3	16·7	14
15	12·3	17·1	17·3	12·3	14·1	12·3	10·6	10·4	18·1	11·2	11·2	12·9	9·6	14·7	14·7	19·5	15
16	10·0	16·3	16·1	14·1	15·3	12·1	11·2	5·9	15·7	12·1	10·8	12·7	10·0	13·3	12·3	14·3	16
17	9·2	16·9	14·1	13·9	14·1	11·7	8·8	4·2	18·5	11·4	8·0	7·5	8·4	11·2	13·5	15·9	17
18	9·4	13·1	13·9	10·4	14·3	11·0	6·7	2·8	14·1	13·7	8·8	8·2	7·5	10·4	8·8	13·5	18
19	6·5	14·7	11·1	8·0	5·7	9·4	8·6	6·5	14·1	7·8	6·5	5·7	6·1	10·6	14·1	10·6	19
20	8·0	11·5	7·6	4·6	6·1	7·8	4·8	3·0	8·4	13·7	3·9	4·6	4·4	5·0	8·6	9·2	20
21	9·8	10·2	6·1	4·4	6·3	10·4	4·4	4·2	10·0	9·0	5·9	10·0	3·4	3·4	12·1	9·2	21
22	8·6	10·2	4·6	8·2	9·4	9·4	5·4	8·6	8·4	5·7	4·8	3·0	4·2	5·4	11·7	6·5	22
23	9·2	11·3	6·9	5·9	6·3	10·6	4·4	7·8	7·1	8·2	5·4	3·5	4·6	5·4	9·0	7·6	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	Mean.	Day. / Hour.
Midnight	6·9	11·0	11·0	4·0	3·9	7·8	7·3	13·1	5·4	5·2	8·3	8·2	6·9	Midnight
1h	8·4	12·9	9·2	4·0	3·7	6·3	7·7	11·2	5·2	5·4	6·9	8·4	7·1	1h
2	8·4	14·1	6·7	4·2	5·0	6·3	8·1	11·2	5·9	6·3	5·7	7·5	6·8	2
3	7·5	13·3	7·3	3·0	4·6	6·1	9·0	11·4	6·3	6·5	4·4	5·0	6·4	3
4	8·6	13·7	8·6	2·4	3·9	6·5	7·1	12·1	5·4	6·3	4·2	7·0	6·4	4
5	9·2	14·5	9·2	3·0	3·7	8·2	8·8	11·0	5·8	8·3	5·9	7·0	6·8	5
6	10·2	12·9	7·1	4·0	3·9	6·5	8·4	10·3	5·0	6·1	7·1	6·7	6·7	6
7	11·2	14·3	6·7	4·4	4·4	8·4	10·8	11·9	6·3	3·7	6·5	6·9	7·5	7
8	15·3	19·1	4·6	8·1	6·1	12·9	13·9	15·1	8·1	7·5	12·1	10·8	11·0	8
9	17·1	21·7	4·6	10·2	8·0	12·5	15·1	15·1	8·3	11·7	12·3	14·7	12·6	9
10	21·7	10·6	6·7	7·5	7·3	13·9	15·1	16·9	10·2	11·4	11·4	14·5	12·7	10
11	15·7	9·4	11·8	9·0	9·6	13·1	14·9	17·5	9·4	12·3	13·7	16·1	13·2	11
Noon	16·9	9·0	12·9	10·2	12·1	13·7	17·3	17·7	11·6	13·9	12·7	15·9	13·6	Noon
13h	18·3	18·5	10·2	10·2	12·1	13·3	15·1	16·1	11·4	15·3	13·1	16·1	14·1	13h
14	13·9	17·7	7·3	4·0	15·1	12·7	15·3	16·3	11·2	13·3	12·5	14·1	13·8	14
15	20·3	23·1	8·2	4·8	12·9	10·2	15·3	16·3	12·9	11·5	12·7	16·1	13·7	15
16	18·1	14·9	7·3	3·7	11·6	11·2	14·5	15·9	10·8	10·4	14·3	16·1	12·5	16
17	16·1	16·7	6·3	7·1	9·1	13·3	14·1	18·1	11·2	10·2	15·9	16·3	12·2	17
18	16·7	11·7	4·2	3·4	8·3	10·8	14·3	13·1	9·2	10·0	15·3	11·7	10·6	18
19	14·3	9·0	5·4	2·8	6·3	9·1	10·4	8·2	6·3	6·1	9·2	10·8	8·7	19
20	11·3	11·7	8·5	3·6	6·1	7·1	12·0	5·4	4·4	4·6	10·0	11·7	7·4	20
21	13·5	7·6	4·0	3·2	6·5	6·2	10·6	6·0	5·4	5·9	8·2	12·1	7·4	21
22	13·9	10·4	4·2	5·4	7·9	8·3	11·2	5·4	3·7	7·1	11·0	13·1	7·7	22
23	16·7	9·4	4·0	4·0	7·1	9·2	13·7	5·4	5·4	5·9	9·4	9·2	7·6	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile.*)

January 1915.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	100	105	100	109	97	108	100	105	97	107	97	107	95	107	98	104	Midnight
1h	100	106	100	110	94	109	97	105	97	107	96	106	95	105	97	103	1h
2	100	105	98	109	96	105	96	104	98	107	98	104	98	106	93	107	2
3	100	105	100	109	95	107	97	103	100	108	97	103	99	105	97	107	3
4	97	103	100	109	95	108	98	104	98	104	96	104	97	103	97	107	4
5	96	104	98	108	95	108	99	103	97	103	98	106	98	102	99	106	5
6	95	104	98	109	95	112	98	104	98	104	95	105	97	103	97	107	6
7	97	103	96	110	93	111	95	104	97	104	93	107	94	106	94	106	7
8	100	107	100	112	100	117	95	111	98	111	89	111	91	109	100	107	8
9	103	108	94	115	97	116	92	113	102	101	90	110	92	108	98	111	9
10	94	114	93	116	97	115	94	114	100	113	91	113	91	109	100	113	10
11	105	107	94	115	97	115	87	109	100	114	91	113	100	113	102	111	11
Noon	94	106	94	115	103	118	98	112	98	112	87	109	93	111	102	111	Noon
13h	105	108	100	118	103	116	103	114	95	113	91	109	90	110	102	112	13h
14	100	114	96	119	97	115	100	114	103	114	88	112	105	113	102	111	14
15	109	109	94	116	93	116	100	112	100	114	95	111	98	110	104	110	15
16	98	110	91	113	94	115	95	113	106	114	91	109	104	110	102	105	16
17	97	108	100	117	97	114	95	113	100	114	92	108	100	109	99	96	17
18	104	109	95	112	95	113	94	109	100	114	94	109	100	107	100	97	18
19	98	106	94	114	96	110	98	108	96	104	92	105	97	108	100	106	19
20	96	107	96	111	96	106	97	103	98	106	94	106	99	105	101	103	20
21	96	109	96	109	97	105	97	103	98	106	93	107	98	104	98	104	21
22	97	108	96	109	97	104	94	106	100	109	96	109	96	104	100	109	22
23	98	109	96	111	95	105	96	104	98	106	98	110	97	103	97	107	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	98	103	97	108	97	108	100	104	99	108	98	104	100	106	100	107	Midnight
1h	97	104	98	108	97	107	99	105	98	105	99	103	98	106	100	112	1h
2	98	103	97	108	97	106	98	105	98	103	98	104	97	106	100	111	2
3	99	102	97	108	98	106	98	104	96	104	98	104	99	103	100	110	3
4	97	100	95	107	98	104	98	106	97	103	98	103	98	105	102	108	4
5	96	102	95	107	98	106	98	103	97	103	98	103	97	107	103	108	5
6	94	106	97	108	99	103	98	104	97	103	98	103	101	103	102	108	6
7	94	110	97	106	98	104	98	104	98	103	97	103	102	104	100	110	7
8	95	112	95	107	104	107	102	105	101	104	102	111	109	109	111	111	8
9	97	117	94	115	105	108	105	104	107	103	102	111	100	112	106	116	9
10	97	117	96	109	106	109	106	104	103	103	104	109	106	114	105	113	10
11	96	118	96	109	106	108	108	105	107	103	108	112	108	112	104	121	11
Noon	96	120	95	111	106	109	110	106	112	105	108	107	108	112	103	117	Noon
13h	96	118	98	112	107	109	111	105	112	102	107	108	109	113	111	117	13h
14	96	119	100	113	104	110	113	105	111	102	110	110	106	114	112	112	14
15	100	118	100	111	104	110	112	105	108	105	110	110	100	115	107	118	15
16	94	115	100	112	103	110	112	105	109	104	105	112	105	111	103	114	16
17	96	118	97	111	103	107	107	103	107	105	102	111	100	113	100	116	17
18	97	114	97	113	103	108	94	106	105	105	104	110	100	109	105	112	18
19	97	114	90	107	101	106	95	102	102	106	100	111	103	114	104	110	19
20	97	108	94	110	100	104	96	99	100	104	100	105	100	109	100	109	20
21	96	109	100	106	100	106	92	106	99	103	99	103	100	112	104	108	21
22	100	108	100	106	100	105	98	102	98	104	101	105	100	112	101	106	22
23	99	107	97	108		105	99	103	97	103	100	105	100	109	103	107	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

January 1915.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	101	107	102	111	104	90	100	104	99	104	103	107	101	107	100	113	Midnight
1h	102	108	102	113	103	91	98	104	99	104	103	105	101	108	100	111	1h
2	103	108	100	114	106	103	97	103	99	105	102	106	100	108	100	111	2
3	103	107	100	113	107	100	97	101	99	105	102	106	100	109	100	111	3
4	103	108	100	114	107	95	98	102	99	104	100	106	100	107	100	112	4
5	102	109	97	114	105	92	98	102	101	104	102	108	100	109	100	111	5
6	102	110	100	113	103	93	98	103	101	104	101	106	102	108	100	110	6
7	108	108	100	114	106	97	98	104	104	102	103	108	100	111	100	112	7
8	111	111	100	119	105	99	106	106	104	104	105	112	100	114	106	114	8
9	107	116	100	122	96	103	109	104	107	104	107	110	100	115	103	115	9
10	112	118	98	110	106	97	103	107	104	106	108	112	103	115	106	116	10
11	106	114	98	109	108	92	109	102	108	105	107	111	106	114	100	118	11
Noon	103	117	103	92	107	89	109	104	110	107	110	110	103	117	110	115	Noon
13h	110	115	104	82	104	91	109	104	102	112	107	111	103	115	103	116	13h
14	105	113	107	84	105	95	104	101	113	108	105	112	103	115	103	116	14
15	108	119	104	77	107	95	97	104	109	109	102	111	100	115	100	116	15
16	107	117	106	86	107	85	101	104	111	104	108	108	100	114	100	116	16
17	109	113	94	85	106	98	107	103	108	103	103	113	100	114	100	118	17
18	106	115	85	89	98	103	103	101	106	106	102	111	103	114	100	113	18
19	106	113	98	91	98	105	103	101	101	106	103	108	107	107	100	108	19
20	102	111	98	89	100	109	103	102	101	106	99	107	100	112	100	105	20
21	100	113	102	93	101	104	101	103	103	106	100	106	102	110	99	106	21
22	105	113	102	89	101	104	101	105	100	108	100	108	100	111	99	105	22
23	112	112	98	91	100	104	101	104	100	107	102	109	100	114	98	105	23

Day. / Hour.	25d.		26d.		27d.		28d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	98	105	99	105	97	108	100	108	99·2	106·0	Midnight
1h	98	105	99	105	99	107	100	108	98·8	106·1	1h
2	98	105	100	106	98	105	100	107	98·7	106·2	2
3	98	106	100	107	98	104	97	104	99·0	105·7	3
4	98	105	101	106	98	103	97	106	98·6	105·2	4
5	99	106	100	108	98	105	100	107	98·7	105·5	5
6	98	105	100	106	97	107	99	107	98·5	105·6	6
7	98	106	100	104	97	106	99	107	98·4	106·2	7
8	103	107	103	107	100	112	100	111	101·2	109·5	8
9	105	107	104	111	100	112	92	112	100·5	110·7	9
10	106	108	110	106	100	111	100	114	101·4	110·9	10
11	105	108	109	109	108	111	97	116	102·5	110·4	11
Noon	106	110	111	108	95	112	97	116	102·5	109·9	Noon
13h	108	108	104	106	105	112	100	116	103·5	109·7	13h
14	108	108	103	113	105	112	92	112	103·4	110·2	14
15	102	113	102	111	109	109	94	115	102·4	110·1	15
16	104	110	100	110	110	110	100	116	102·4	108·9	16
17	106	109	102	110	94	115	91	113	100·5	109·2	17
18	102	109	100	110	94	114	95	111	99·3	108·7	18
19	101	106	99	106	96	108	96	110	99·2	107·1	19
20	101	104	98	104	96	109	100	112	98·5	105·8	20
21	101	105	98	105	97	108	93	110	98·2	106·0	21
22	99	103	97	107	100	111	97	113	99·1	106·5	22
23	98	105	98	105	102	109	95	108	99·1	106·2	23

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of FEBRUARY 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour. Mauritius Standard Time.	1d.	7d.	8d.	12d.	13d.	14d.	17d.	18d.	19d.	20d.	21d.	Hour. Mauritius Standard Time.
	points.	points.	points.	points.	points.	points.	point.	point.	point.	points.	points.	
Midnight	8	5	6	8	6	6	9	9	22	8	7	Midnight
1h	8	4	4	7	6	6	9	9	22	6	7	1h
2	8	6	4	6	4	6	10	8	14	4	7	2
3	8	7	6	6	4	6	10	8	16	2	7	3
4	4	4	6	6	4	5	10	8	19	4	7	4
5	4	4	7	6	4	5	9	7	21	4	9	5
6	4	4	6	6	4	5	9	8	22	5	9	6
7	4	4	4	6	5	4	12	8	18	6	13	7
8	8	4	8	10	10	9	12	8	17	12	12	8
9	10	4	7	13	14	9	10	8	3	14	13	9
10	6	4	8	13	12	10	11	7	18	10	11	10
11	11	8	9	13	14	11	10	7	20	15	13	11
Noon	4	5	9	13	14	12	9	22	21	14	13	Noon
13h	11	4	9	14	15	12	11	23	22	14	9	13h
14	8	10	9	14	15	11	10	22	20	15	13	14
15	12	7	10	14	13	12	10	23	19	5	12	15
16	7	10	10	14	14	10	10	22	17	9	14	16
17	6	8	25	14	13	9	11	26	18	14	14	17
18	10	8	24	4	12	10	10	26	5	14	12	18
19	7	6	8	2	10	8	10	25	6	14	9	19
20	5	7	10	31	8	8	9	25	8	12	9	20
21	6	5	6	3	6	6	8	23	9	9	10	21
22	6	4	8	4	6	9	10	23	9	9	8	22
23	7	4	6	6	4	8	12	25	8	9	8	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of 9ins., 6ins. and 3ins respectively at INTERVALS of three HOURS between 3h. and 21h. during of the MONTH of FEBRUARY 1915.

Day of the Month.	9ins.							6ins.							3ins.							Day of the Month.
	3h.	6h.	9h.	12h.	15h.	18h.	21h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
1	88·04	87·29	86·74	85·94	86·04	86·56	86·94	87·03	85·83	84·93	85·13	86·28	87·03	86·89	83·84	81·49	91·99	86·89	87·94	87·13	84·72	1
2	85·96	85·29	84·74	84·44	84·49	85·24	85·78	84·53	83·58	83·03	83·13	84·42	85·67	85·94	80·55	79·39	80·99	83·39	86·49	87·79	85·51	2
3	85·36	84·93	84·44	84·03	84·64	86·34	87·46	84·13	83·26	82·58	82·93	85·33	88·25	88·53	80·69	79·40	80·08	83·09	92·99	88·49	89·29	3
4	87·34	86·54	85·84	85·42	85·94	86·84	87·34	86·21	85·13	84·18	84·25	86·53	87·43	87·13	83·19	81·19	81·29	85·19	90·64	88·94	86·49	4
5	86·64	85·14	85·34	84·94	85·34	87·04	88·04	85·13	84·23	83·53	83·73	86·03	88·93	88·83	81·79	80·89	80·89	84·29	84·39	83·39	83·89	5
6	87·54	86·74	86·14	85·49	86·04	87·24	87·64	86·53	85·23	84·35	84·33	86·53	87·83	87·33	78·29	80·49	81·09	85·79	91·51	88·89	84·79	6
7	86·54	85·84	85·34	84·85	84·98	85·35	85·52	85·23	84·43	83·85	83·83	84·65	85·63	85·45	81·69	80·67	80·54	83·35	87·27	85·59	84·04	7
8	85·04	84·43	83·94	83·62	84·14	85·53	86·19	83·95	82·95	82·43	82·92	85·14	87·21	87·08	80·65	79·15	80·04	83·99	91·31	89·70	86·99	8
9	85·81	85·16	84·64	84·26	84·64	85·94	86·94	84·85	83·89	83·43	83·43	85·64	88·22	87·89	81·99	80·73	81·19	83·49	91·64	91·37	87·17	9
10	86·44	85·84	85·94	84·72	84·34	84·29	84·54	85·73	84·73	84·03	83·91	83·83	84·33	84·13	82·89	81·39	81·57	82·39	83·19	84·49	81·99	10
11	83·74	83·34	82·75	82·42	82·74	84·19	84·94	82·63	81·88	81·25	81·43	83·51	85·63	85·35	79·04	77·79	78·27	81·94	83·29	88·09	85·34	11
12	84·74	84·14	83·54	83·34	84·29	85·44	86·34	83·82	82·68	82·23	82·73	85·53	87·93	87·03	80·69	78·89	79·58	85·11	90·59	90·19	87·09	12
13	85·84	85·04	84·39	83·92	84·24	85·19	85·70	85·53	83·63	82·93	83·00	84·91	86·35	86·23	81·39	79·49	79·59	83·80	88·47	87·89	85·27	13
14	85·32	84·82	84·14	83·84	84·59	85·84	86·69	84·28	83·43	82·73	83·18	85·72	87·78	87·93	80·09	79·89	80·54	80·69	92·24	92·31	88·64	14
15	87·53	85·94	85·22	85·03	85·34	86·75	87·76	85·75	84·75	84·03	84·23	86·43	89·03	89·08	82·79	81·19	81·94	84·99	93·97	93·69	89·69	15
16	87·39	86·74	85·94	85·53	85·81	86·34	86·84	86·73	85·73	84·76	84·83	86·33	87·40	87·03	83·59	82·09	81·91	84·34	89·61	88·80	85·79	16
17	86·64	86·14	84·84	84·59	85·08	85·99	86·57	86·96	86·61	83·48	83·63	85·13	86·75	86·61	85·59	85·39	81·04	84·23	89·44	88·95	85·89	17
18	85·94	85·34	84·94	84·36	84·55	85·22	85·74	84·93	84·01	83·63	83·73	84·76	86·03	85·13	81·89	80·79	81·09	84·48	88·01	87·01	83·19	18
19	84·72	85·94	83·54	83·34	82·54	81·94	80·54	83·13	84·93	82·23	82·13	79·43	79·93	76·93	79·73	79·77	79·89	80·49	78·29	78·39	75·39	19
20	79·14	78·89	79·03	79·19	79·84	80·74	81·34	76·73	76·83	77·13	78·03	79·77	81·08	81·52	75·19	75·29	76·51	80·97	82·52	83·59	82·29	20
21	81·54	81·54	81·04	80·94	81·40	82·37	83·14	80·83	80·55	79·98	80·45	82·04	84·02	84·05	79·29	78·74	79·39	82·79	87·59	87·79	84·59	21
22	82·79	82·44	82·46	82·34	82·84	84·04	84·74	82·63	82·13	81·69	82·13	84·33	86·03	86·13	80·67	79·99	80·64	86·04	90·84	90·19	87·11	22
23	84·14	84·19	83·63	83·46	83·66	84·44	85·14	86·03	83·53	82·73	82·84	84·03	86·03	86·28	81·79	81·04	81·49	83·67	88·69	90·37	87·44	23
24	85·10	84·54	84·22	83·90	84·54	85·79	86·62	84·53	83·75	83·25	83·23	84·88	88·03	88·03	84·79	81·39	81·29	85·53	94·39	93·29	89·39	24
25	86·24	85·64	84·94	84·49	85·04	86·44	87·34	85·73	84·55	83·63	84·13	86·52	88·81	88·77	82·94	81·09	80·84	88·39	95·19	93·44	89·89	25
26	87·04	86·36	85·89	85·44	85·64	86·44	87·04	86·63	85·53	84·73	85·01	86·83	88·03	86·83	84·59	82·69	82·94	86·98	86·59	91·69	87·39	26
27	86·44	85·74	85·04	84·66	85·16	86·56	87·10	85·53	84·53	83·62	83·73	85·98	84·72	86·93	82·39	80·49	81·19	85·59	93·22	93·77	87·53	27
28	87·03	86·44	86·06	85·53	86·12	87·34	88·24	86·55	85·53	85·02	84·95	87·34	89·64	89·53	84·01	82·51	82·19	87·39	95·64	94·09	90·29	28
Mean	85·57	85·01	84·45	84·07	84·43	85·41	86·01	84·72	83·85	83·05	83·25	84·92	86·56	86·38	81·64	80·48	81·07	84·26	89·14	88·90	85·96	Mean

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of FEBRUARY 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.		River System No. 4.				River System No. 5.			
	Grand Gaube.	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte.*	Riche Fund.	Constance d'Arifat.	St. Julien.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon. §
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
February 1	Register not received.	0·25	0·20	...	...	...	0·08	0·15	0·24	0·25	0·07	...	0·13	...	...	...
2		...	...	0·28	...	0·14	0·28	...	...	0·18	0·32	0·40	0·14	0·20	0·22	...
3		0·08	...	...	...	0·03	...	...	...	0·08	0·17	...	0·03	0·37	...	...
4		...	...	...	0·15	...	...	...	0·05	...	0·23	...	0·19	...	0·06	...
5		...	...	0·10	0·15	...	...	...	0·05	0·20	0·22	0·08	0·12	0·04	...	...
6		...	0·14	0·12	...	0·01	...	0·60	1·02	0·02	...	0·60	0·81	...	...	...
7		0·54	0·64	0·35	0·10	0·51	...	1·04	1·30	1·10	0·46	0·45	1·03	1·32	1·24	...
8		0·12	0·16	0·34	0·75	0·83	1·35	0·10	...	0·20	0·32	0·03	0·26	0·35	0·23	...
9		0·08	...	0·52	0·40	0·03	0·06	0·17	0·17	0·22	0·24	...	0·24	0·16	0·19	...
10		0·24	0·20	0·11	0·30	0·06	0·08	1·25	1·05	0·66	0·08	1·90	0·81	0·18	0·10	...
11		...	...	0·75	...	0·49	0·54	...	...	0·02	0·64	...	1·79	0·95	0·36	...
12		...	0·25	...	0·25	...	...	...	...	1·22	0·03	0·20	0·55	0·77	1·11	...
13		...	...	0·01	...	0·06	...	...	...	...	0·55	...	...	...	0·27	...
14		0·08	...	...	0·15	...	...	...	0·10	...	...	...	...	...	...	...
15		...	0·12	...	...	...	...	0·15	0·11	0·18	...	0·19	0·39	...	...	...
16		...	...	0·05	0·20	0·28	0·20	0·10	0·14	0·20	0·48	0·23	0·20	0·90	0·81	...
17		0·15	0·19	...	...	0·04	0·20	0·10	0·15	0·42	0·02	0·02	0·51	0·25	0·45	...
18		1·52	1·23	0·36	0·50	0·51	0·20	1·37	0·97	0·88	0·09	0·68	0·98	0·25	0·30	...
19		3·42	3·20	2·39	1·50	1·42	0·48	5·27	7·98	8·81	0·98	5·65	5·70	0·47	0·87	...
20		0·04	0·18	4·59	3·00	7·54	7·01	0·09	0·30	} 1·17	5·55	0·28	0·44	2·52	3·10	...
21		...	0·06	0·16	3·25	1·41	0·68	0·04	0·12		0·35	...	0·27	0·30	0·31	...
22		...	...	0·05	0·05	0·23	0·14	...	...	...	0·43	...	...	0·16	0·31	...
23		...	...	...	...	0·03	...	...	0·08	0·13	...	...	0·28	...	...	...
24		...	...	0·06	...	0·04	0·06	...	0·02	...	...	...	...	...	0·17	...
25		...	0·16	...	...	...	...	...	0·14	...	...	...	...	...	...	...
26		...	...	...	0·10	...	0·12	...	...	0·20	0·09	...	0·17	...	...	...
27		...	...	0·01	...	...	0·14	...	0·03	0·02	0·10	...	0·21	...	...	...
28		0·28	0·04	0·06	...	0·04	0·04	0·43	0·23	0·45	0·10	0·18	0·30	0·25	0·11	...
Total ...	...	6·80	6·77	10·31	10·85	13·70	11·66	10·86	14·25	16·61	11·52	10·89	15·55	9·44	10·21	...

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Returns not received.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of FEBRUARY 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarinque.	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. *	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
February 1	...	0·09	0·14	0·19	...	...	0·46	...	0·09	0·27	...	...	0·01	0·18	0·01	...
2	...	...	0·10	...	0·10	0·15	...	...	...	0·03	0·29	0·15	0·11	0·31	0·01	...
3	...	...	0·02	...	...	...	...	...	...	...	...	...	0·04	0·02	0·02	...
4	0·18	...	0·18	...	0·08	...	...	...	...	...	...	...	...	0·10	...	...
5	...	0·07	0·07	0·08	...	0·29	...	...	...	...	0·06	...	0·01	0·05	...	...
6	0·25	0·80	0·55	1·01	0·80	...	...	...	...	0·44	...	...	0·01	0·38	...	...
7	0·42	1·14	0·77	0·61	0·62	0·35	0·98	...	...	0·65	1·24	0·17	...	0·93	0·34	0·13
8	...	0·57	0·33	0·05	0·18	0·28	0·42	...	0·64	...	0·29	1·20	1·62	0·07	0·32	0·42
9	0·05	0·07	0·35	0·10	0·12	0·61	1·98	...	...	...	0·07	0·18	0·10	0·16	0·05	0·30
10	0·29	0·99	2·05	1·67	0·55	0·56	0·68	...	...	0·97	0·05	...	0·01	1·27	0·03	...
11	0·23	...	...	...	...	...	1·66	...	0·58	...	0·33	0·60	0·38	...	0·40	0·36
12	0·85	3·69	4·89	1·18	0·67	0·46	...	...	...	...	...	...	...	0·80	0·03	...
13	0·37	0·59	2·54	...	0·36	0·26	...	...	...	0·03	0·74	...	0·09	...	0·18	...
14	...	0·66	...	0·10	0·04	...	0·77	...	...	...	0·04	...	...	0·03	0·01	...
15	0·44	0·38	0·40	0·52	0·13	0·08	...	...	...	0·28	...	...	0·01	0·57	...	...
16	0·13	0·19	0·10	0·06	0·14	...	...	...	...	0·10	0·22	...	0·07	0·21	0·16	...
17	0·12	1·16	0·60	0·10	0·23	...	...	...	...	0·24	0·10	...	0·02	0·72	0·09	...
18	2·26	1·19	1·20	0·99	0·30	0·06	...	...	...	2·44	0·38	...	0·31	0·97	0·19	0·10
19	3·71	5·37	6·80	4·52	2·98	0·88	4·66	...	0·59	8·40	1·82	1·00	1·17	9·41	2·16	0·77
20	0·55	0·48	0·20	2·18	0·34	4·92	19·24 §	...	5·40	0·70	9·21	5·20	4·08	1·08	6·12	4·50
21	0·10	0·62	0·25	0·31	0·05	0·50	7·06	...	...	0·12	0·57	...	...	0·43	1·00	0·35
22	...	...	...	...	...	0·84	3·24	...	0·86	...	0·19	0·20	0·58	...	0·18	0·04
23	...	...	0·40	0·15	...	...	...	...	...	0·07	...	...	...	0·21	0·09	...
24	...	0·10	...	...	...	...	...	...	...	...	0·08	0·40	0·01	...	0·01	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·01	...
26	...	0·11	0·15	0·19	...	...	...	...	...	0·03	...	...	0·01	0·18	0·01	...
27	0·27	0·09	0·20	0·08	0·11	0·20	0·08	...	0·23	...	0·06	...	...	0·10	0·01	...
28	0·07	0·11	0·20	...	...	...	...	...	...	0·04	0·04	...	...	0·04	...	0·06
Total ...	10·29	18·47	22·49	14·09	7·80	10·44	41·23 §	...	8·39	14·81	15·78	9·10	8·64	18·22	11·49	7·03

* Returns not received.

§ As recorded by Observer, but record appears doubtful.

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.

FEBRUARY 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending \ Day.	1d.	2d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	12d.	13d.	15d.	16d.	17d.	18d.	19d.	20d.	21d.	26d.	27d.	28d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	...	ins.
1h	...	...	...	·005	·025	...	...	·005	...	...	·005	...	...	...	...	·060	·005	...	...	...	...
2	...	...	...	·015	...	·005	.040	...	...	...	...	...	·170	...	...	·270	·015	...	...	...	...
3	...	...	...	...	...	...	.070	...	...	...	·005	...	...	...	...	·150	·005	...	...	...	...
4	...	...	...	...	...	...	·060	...	...	...	...	...	...	...	·025	...	·010	·005	...	...	...
5	...	...	...	...	...	...	·010	...	...	...	...	...	...	...	...	...	...	·030	...	...	...
6	...	...	...	...	...	...	·040	...	...	...	...	·015	...	...	·130	·020	...	...	...	...	...
7	...	...	...	...	...	...	·020	...	·010	...	...	·015	...	...	...	·010	...	·120	...	...	...
8	...	...	...	...	...	...	...	...	·050	...	...	...	...	...	...	·020	...	·150	·030	...	...
9	...	·005	...	·015	...	·005	...	...	·020	...	...	...	...	...	...	...	...	·170	·040	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·030	...	...	...	...	...
11	·195	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·220	...	...	...	...	...
Noon	...	...	...	...	...	·040	...	...	...	...	...	...	...	...	...	·210	...	...	...	...	...
13h	...	...	...	...	...	·030	...	...	...	...	...	...	...	...	...	·110	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·360	·140	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·120	·040	...	...	...	...
16	...	...	...	...	·050	...	...	...	...	...	...	...	...	...	...	·100	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·040	...	...	...	...	...
18	...	...	...	...	·170	...	...	...	...	...	...	...	...	...	...	·090	...	...	...	...	...
19	...	...	...	...	·110	...	...	...	...	.170	...	...	...	...	...	·220	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	·080	...	...	...	...	...	1·880	...	...	...	...	...
21	...	...	...	...	...	...	...	...	·090	...	...	...	...	...	·200	·300	·005	...	...	...	...
22	...	..	...	...	...	...	...	...	·010	...	...	...	...	...	·100	·400	...	...	...	...	·010
23	...	...	·005	·005	...	...	·400	...	...	...	...	·030	...	·005	·380	·530	...	...	...	...	·010
Midnight	...	...	...	...	...	...	...	...	...	...	...	·005	...	·170	·160	·020	...	...	...	·010	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1d.	2d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	12d.	13d.	15d.	16d.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	26d.	28d.
	ins.	ins.	ns.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	...	...	·10	·03	...	...	...	...	...	·12	...	·06	...	...	...	...	...	...	...
2	...	...	...	...	...	...	·01	...	...	...	...	...	.08	.04	·02	...	...	...	·01	...	...	...
3	·01	...	...	·01	...	...	·01	...	...	...	...	...	...	...	·04	...	...	...	·01	...	...	·04
4	...	...	...	·01	...	...		...	·01	...	...	...	·01	...	·05	...	...	...	...	...	...	·04
5	...	·01	...	...	...	·09	·01	...	...	...	...	...	...	...	·03	...	...	...	...	...	...	...
6	...	...	...	...	·02	·20	...	...	·04	...	...	...	...	...	·04	...	...	...	...	...	...	...
7	...	...	...	...	...	·18	...	...	...	...	...	...	...	·05	·01	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	·20	...	...	·20	...	...	·01	...	...	...	·01	·01	...	...
9	...	...	...	...	...	·05	...	...	...	...	...	...	...	...	...	...	...	...	...	·05	...	...
10	·01	...	...	...	...	...	...	...	·10	...	...	...	...	...	...	·40	...	...	...	...	·05	...
11	·02	...	...	...	...	·11	...	...	...	...	...	...	...	...	...	·40	...	...	...	...	...	...
Noon	·01	·01	...	...	...	...	...	...	...	·93	...	...	...	...	...	·40	·36	·01	...	...	...	...
13h	...	·03	...	...	...	...	·06	...	...	1·38	·01	...	...	...	·09	·50	·26	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	·14	·14	...	...	·07	·08	·50	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	·01	·14	...	...	...	...	·60	...	...	...	...	...	...
16	...	...	...	...	.02	...	...	...	...	·05	·67	...	...	...	...	·40	...	·01	...	·01	...	...
17	...	·01	...	...	...	...	...	...	...	·05	...	...	...	...	·05	·20	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	·02	...	...	·01	...	...	...	·80	...	...	...	...	...	...
19	...	...	...	...	·72	...	...	...	·24	...	...	...	·04	...	...	·20	...	...	...	·02	...	·01
20	...	...	·10	...	...	...	·03	...	·34	...	...	·10	...	...	...	...	...	...	...	...	...	·04
21	...	...	...	...	...	·01	...	·01	·06	...	...	...	...	...	...	...	...	...	...	·01	...	...
22	·01	...	...	...	...	·01	·01	·03	·01	...	...	...	...	·03	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	·01	...	·02	...	...	...	...	...	...	...	...
Midnight	...	...	·02	·01	...	...	...	...	...	...	...	...	·03	·06	·24	...	...	...	...	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of FEBRUARY, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	7·88	6·36	12
	2	Union §	200	...	...	...
	3	St. Antoine ...	50	6·80	6·84	12
	4	Bel Mont	50	6·11	7·06	14
	5	Poudre d'Or ...	20	6·35	6·47	13
	6	Poudre d'Or Hospital	10	6·32	6·56	9
	7	Mon Loisir (R) ...	300	8·59	7·04	16
	8	Mon Loisir (S.E.) ...	300	8·95	8·18	10
	9	Forbach	300	6·48	9·92	14
	10	Labourdonnais ...	290	6·77	8·96	14
	11	Beau Séjour ...	300	10·31	9·69	18
	12	Mont Piton ...	860	14·51	12·35	17
	13	Mon Choix... ...	700	13·24	11·67	13
	14	Antoinette	640	11·48	14·78	18
	15	California	850	7·36	11·21	14
	16	Nouvelle Découverte	1,400	13·70	14·11	19
	17	Mon Songe... ...	620	13·40	10·11	17
	18	La Grande Rosalie ...	643	9·69	10·34	14
	19	The Mount... ...	325	11·96	9·74	13
	20	Botanical Gardens ...	225	10·85	8·69	15
	21	Beau Plan § ...	195	...	...	...
	22	The Observatory ...	179	10·12	7·03	21
	23	Solitude	175	7·91	7·34	10
	24	St. André	90	8·68	7·79	9
	25	Belle Vue Harel ...	350	7·92	6·55	16
	26	Mont Choisy ...	10	7·57	10·52	13
2&3	1	Union (Régnard) ...	600	13·48	10·11	20
	2	La Grande Retraite..	350	12·16	10·67	14
	3	Constance d'Arifat...	100	10·86	8·39	14
	4	St. Julien P.O. ...	1,050	14·25	12·09	20
	5	Rich Fund * ...	600	11·66	...	17
4	1	Sans Souci	900	16·61	15·69	22
	2	Etoile	400	11·52	12·12	22
	3	Beau Champ ...	20	10·89	6·65	14
	4	Belle Rive * ...	400	10·27	...	15
	5	Olivia *	400	9·16	...	14
5	1	Rose Belle	850	15·55	...	23
	2	Cent Gaulettes ...	800	12·56	16·30	17
	3	St. Hubert * ...	400	16·41	...	16
	4	Riche-en-Eau ...	1,200	9·44	10·56	17
	5	Ferney	60	10·21	11·59	18
	6	Beau Vallon (R)§ ...	1,200	...	...	...
	7	Union Vale	200	10·15	9·69	13
	8	Mon Désert(Carié).§	75	...	...	...
	9	Riche Bois... ...	1,420	17·89	14·52	18
6	1	Kanaka	2,000	12·37	18·38	20
	2	Tivoli ...	1,300	12·97	20·06	20
	3	La Flora	1,050	22·49	...	23
	4	Britannia (No. 1)...	730	18·47	13·94	21
	5	Gros Bois	500	13·75	10·80	23
	6	Savannah (Residence)	200	12·28	13·08	17
	7	Savannah, (Mill) ...	200	10·23	11·48	15
	8	St. Aubin	300	10·29	9·17	17
	9	Union Bel Air ...	90	11·12	9·39	15
	10	Beau Bois	350	7·80	12·47	18
	11	Labarracq * ...	250	14·09	...	19
	12	St. Avold * ...	900	13·73	...	19
7,8&9	1	Chamarel ‡ ...	50	...	...	12
	2	Bel Ombre	400	10·44	...	15
10		No returns * ...				
11	1	Les Gorges... ...	...	16·87	13·76	13
	3	Curepipe Gardens ...	1,840	15·86	16·28	14
	4	Mare-aux-Vacoas ...	1,850	15·78	17·81	19
	5	La Marie Filter Bed.	1,700	13·40	15·81	20
	6	Réunion	1,420	14·81	13·43	16
	7	Tamarin *	150	8·39	...	7
	8	Clarens §	150	...	...	...
12	1	The Manse ...	850	8·77	9·52	15
	2	The Bower	1,080	10·58	11·99	18
	3	Le Réduit (D.of A.)*	1,000	8·64	...	19
	4	Alma	1,460	18·22	18·79	23
	5	Minissy *	1,150	10·92	...	13
	6	Bagatelle § ...	1,250	...	...	...
	7	Highlands	1,300	14·70	12·33	16
	8	Trianon	950	10·04	11·40	13
	9	Saleney	923	9·10	10·21	9
	10	Military Camp (V.)..	1,370	11·49	13·75	23
	11	La Ferme * ...	350	7·03	...	10
	12	Bon Air	1,050	10·98	12·01	15
	13	Val Ory	1,100	10·49	11·80	19
13	1	Salines(Roche Bois)§	10	...	...	...
	2	The Albion Dock ...	18	7·16	7·27	12
	3	Line Barracks * ...	10	9·39	...	13

§ Returns not received
* Normals not available

‡ Record uncertain. 41.23 ins. were recorded

TABLE XV.—STATE of SEA on the reefs at eight STATIONS round the COAST of MAURITIUS.

(*The direction of the wave, if any, is given for Port Louis only.*)

Day 1915.	Port Louis (N. to W.N.W.)	Trou aux Biches (N. to S.W.)	Grand Gaube (N. to S.E.)	Poudre d'Or (N.N.E. to E.S.E.)	Old Grand Port (E. to S.E.)	Souillac (South)	Baie du Cap (S.S.W.)	Case Noyale (W. to S.W.)
Feb. 1	...	mod.	...	calm	calm	calm	calm	calm
2	...	,,	calm	,,	,,	,,	,,	,,
3	...	calm	,,	,,	,,	,,	,,	,,
4	...	,,	,,	,,	,,	,,	,,	,,
5	...	heavy	,,	,,	,,	,,	,,	,,
6	...	,,	,,	,,	,,	mod.	light	light
7	...	calm	,,	,,	,,	,,	,,	,,
8	...	,,	,,	,,	,,	calm	calm	calm
9	...	,,	,,	,,	,,	,,	,,	,,
10	...	,,	,,	,,	,,	,,	light	light
11	...	,,	...	,,	,,	,,	,,	,,
12	...	,,	calm	,,	,,	,,	calm	calm
13	...	,,	,,	,,	,,	,,	,,	,,
14	...	,,	...	,,	,,	,,	...	...
15	...	,,	calm	,,	,,	,,	calm	calm
16	...	,,	,,	,,	,,	,,	,,	,,
17	mod. (N)	mod.	,,	,,	,,	,,	,,	,,
18	mod. (N)	calm	light	,,	,,	,,	light	light
19	heavy (N.N.W)	heavy	,,	,,	,,	,,	heavy	heavy
20	mod. (N.N.W.)	,,	calm	,,	,,	,,	light	light
21	...	,,	,,	...	,,	,,	,,	,,
22	...	mod.	,,	calm	light	,,	,,	,,
23	...	calm	,,	,,	,,	,,	calm	calm
24	...	,,	,,	,,	,,	,,	,,	,,
25	...	,,	,,	,,	,,	,,	light	light
26	...	,,	,,	,,	,,	,,	calm	calm
27	...	,,	,,	,,	,,	,,	,,	,,
28	...	,,	...	...	...	,,	,,	,,

TABLE XVI.—DAILY OBSERVATIONS received by CABLEGRAM from the reporting station at RODRIGUES in charge of the SUPERINTENDENT of the EASTERN TELEGRAPH COMPANY.

Day 1915.	Barometric Pressure at 9 a.m. (corrected for Temperature.)	Wind. Direction at 9 a.m.	Wind. Number of miles run for 24 hours.	Amount of Rain measured at 9. a.m.	Weather.
	ins.		miles.		
Feb. 1	29·857	E.b.N.	257	·03	fine ; clear.
2	928	E.b.N.	298	·00	,,
3	923	E.b.S.	263	·01	,,
4	848	E.	195	·26	showery.
5	815	E.b.S.	215	·00	fine ; clear
6	812	E.N.E.	227	·76	rainy.
7	771	E.	232	1·74	overcast ; rainy
8	775	E.b.S.	257	·21	showery.
9	832	E.b.N.	222	1·16	cloudy ; occ : rain.
10	841	E.N.E.	193	·00	fine.
11	821	E.b.N.	143	·03	cloudy.
12	788	E.b.N.	123	·00	,,
13	806	E.N.E.	60	·11	fine ; clear.
14	814	E.b.N.	134	·03	fine.
15	826	E.b.N.	305	·09	threatening ; overcast.
16	834	E.b.N.	275	·02	fine.
17	816	E.b.N.	350	·00	fine ; clear
18	795	E.N.E.	398	·00	,,
19	793	E.N.E.	451	·00	,,
20	811	E.b.N.	370	·00	cloudy.
21	830	E.b.N.	290	·05	threatening ; rainy.
22	842	E.	278	·00	fine ; clear.
23	840	E.	298	·47	cirrus from E.N.E.
24	830	E.b.N.	183	·01	cloudy ; occ : rainy.
25	829	E.	300	·00	fine.
26	846	E.b.N.	253	·07	,,
27	856	E.S.E.	348	·00	,,
28	838	E.S.E.	303	·22	fine ; clear
Mean	29·829	...	258	5·26	.....

196

NEW SERIES (MONTHLY). VOL. I. PART 3. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

MARCH, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

NEW SERIES (MONTHLY). VOL. I. PART 3. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

MARCH, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1915.

Month and Day. 1915.	Barometric Pressure. Mean	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
March 1	29·773	+·039	85·4	73·6	11·8	79·1	+0·9	74·1	70·4	− 0·9	75	− 4	·742	70·0	0·035	20	·265	6·0
2	29·770	+·035	85·5	74·3	11·2	79·6	+1·5	73·4	69·4	− 1·9	71	− 9	·717	69·6	0·000	...	·270	5·4
3	29·754	+·018	85·1	73·4	11·7	79·3	+1·2	73·7	69·8	− 1·5	73	− 7	·727	68·3	0·640	90	·330	7·2
4	29·769	+·032	81·9	74·8	7·1	78·5	+0·4	76·4	74·9	+ 3·6	89	+ 9	·863	74·3	1·660	205	·060	9·5
5	29·807	+·069	84·4	74·6	9·8	79·6	+1·6	74·9	71·6	+ 0·3	77	− 3	·773	75·0	0·020	20	·120	5·2
6	29·775	+·036	84·5	72·1	12·4	78·2	+0·3	73·4	70·0	− 1·3	76	− 4	·732	67·2	0·000	...	·200	3·1
7	29·746	+·006	85·1	70·4	14·7	77·4	−0·5	73·3	70·5	− 0·8	79	− 1	·744	66·1	0·020	15	·140	4·4
8	29·793	+·051	87·5	70·0	17·5	78·6	+0·7	74·0	70·8	− 0·5	77	− 3	·752	64·9	0·000	...	·190	2·9
9	29·790	+·047	86·5	70·1	16·4	78·8	+1·0	74·3	71·1	− 0·1	78	− 2	·760	66·2	0·000	...	·190	5·8
10	29·753	+·009	82·0	74·2	7·8	77·1	−0·7	74·4	72·5	+ 1·3	86	+ 6	·797	72·7	0·145	265	·065	9·9
11	29·739	−·006	75·1	72·0	3·1	73·8	−3·9	72·2	71·0	− 0·2	91	+10	·757	70·2	3·115	770	·030	10·0
12	29·617	−·130	80·5	73·0	7·5	76·5	−1·2	74·3	72·8	+ 1·6	88	+ 7	·805	70·6	2·900	415	·054	9·2
13	29·708	−·040	84·7	75·5	9·2	79·9	+2·3	76·5	74·1	+ 3·0	83	+ 2	·841	72·2	0·180	35	·230	7·5
14	29·812	+·062	85·6	73·2	12·4	79·9	+2·3	76·1	73·5	+ 2·4	81	0	·824	74·0	0·000	...	·210	3·5
15	29·863	+·111	88·0	71·7	16·3	78·7	+1·2	75·2	72·8	+ 1·8	82	+ 1	·805	67·2	0·045	15	·145	4·1
16	29·901	+·148	85·8	74·6	11·2	79·6	+2·1	75·5	72·6	+ 1·6	80	− 1	·799	69·2	0·000	...	·200	3·0
17	29·900	+·145	84·1	74·0	10·1	78·7	+1·2	74·9	72·2	+ 1·2	81	0	·789	70·4	0·100	20	·190	4·0
18	29·910	+·154	83·6	72·8	10·8	78·5	+1·1	73·8	70·5	− 0·4	77	− 4	·744	69·2	0·000	...	·200	3·8
19	29·879	+·121	82·9	73·6	9·3	76·7	−0·7	73·1	70·5	− 0·4	81	0	·744	70·2	0·220	70	·230	5·8
20	29·857	+·097	82·4	73·8	8·6	77·5	+0·2	73·6	70·9	+ 0·1	80	− 1	·755	63·1	0·000	...	·200	5·5
21	29·822	+·061	83·5	72·6	10·9	77·6	+0·3	73·3	70·2	− 0·6	78	− 3	·737	68·4	0·000	...	·190	2·8
22	29·758	−·005	86·3	70·6	15·7	78·6	+1·4	75·2	72·7	+ 2·0	82	+ 1	·802	65·6	0·000	...	·180	5·8
23	29·767	+·002	85·9	71·8	14·1	79·2	+2·1	75·1	72·2	+ 1·6	79	− 2	·789	67·2	0·000	...	·200	4·0
24	29·840	+·074	85·3	72·5	12·8	78·6	+1·5	74·7	72·1	+ 1·5	81	0	·786	67·8	0·000	...	·190	5·7
25	29·877	+·109	85·3	75·6	9·7	79·3	+2·3	75·7	73·2	+ 2·7	82	+ 1	·816	72·8	0·000	...	·200	3·7
26	29·818	+·048	84·7	75·6	9·1	79·1	+2·2	75·5	73·0	+ 2·6	82	+ 1	·810	71·4	0·010	5	·160	6·0
27	29·774	+·003	82·6	74·3	8·3	77·8	+0·9	72·9	69·4	− 1·0	76	− 5	·717	73·2	0·020	40	·190	8·5
28	29·736	−·037	82·5	74·4	8·1	76·7	−0·1	73·3	70·8	+ 0·5	82	+ 1	·752	70·8	0·445	225	·135	9·5
29	29·728	− 047	80·6	75·9	4·7	78·1	+1·4	76·4	75·1	+ 4·9	91	+11	·869	74·5	0·630	280	·200	10·0
30	29·733	−·044	84·8	76·7	8·1	80·1	+3·5	77·5	75·7	+ 5·6	86	+ 6	·887	74·4	0·005	5	·175	8·5
31	29·764	−·014	84·8	76·8	8·0	80·2	+3·6	77·3	75·2	+ 5·3	85	+ 5	·872	73·6	0·000	...	·160	8·1
Mean	29·791	+·037	84·1	73·5	10·6	78·4	+0·9	74·6	72·0	+ 1·1	80·9	+0·4	·784	70·0	Sum 10·190	Sum 2495	·177	6·1
Average	29·754	...	83·9	72·2	11·7	77·5	...	73·6	70·9	...	80·5	...	·754	68·1	9·288	2753	·181	6·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of March

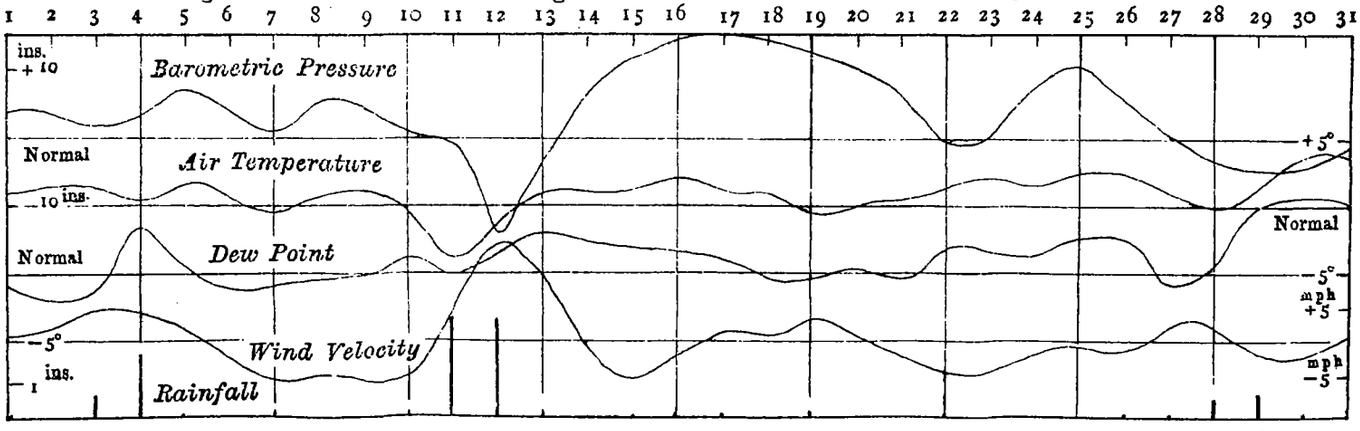


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
March 1	10·7	86	− 3·0	+10·5	74	10·9	− 6	+ 2·9	11·2	+ 0·4	77·56	81·4	87·07	87·22	87·96	c.p. : c. : f. :c.p.
2	11·3	91	− 3·3	+11·8	74	12·2	− 6	+ 4·2	12·6	+ 1·8	77·56	81·7	87·08	87·08	87·66	f.
3	8·8	71	− 1·8	+14·9	83	15·0	+ 3	+ 7·0	15·2	+ 4·5	77·46	81·4	86·90	86·68	86·79	f. : c. : c.q. :o.g.q.p.
4	4·4	35	+ 1·2	+14·5	95	14·5	+ 15	+ 6·5	14·8	+ 4·1	77·46	81·3	85·37	84·09	82·87	o.g.q.lp:o.q.p: o.q. : c.p. :ogl
5	11·1	90	+ 2·6	+12·2	102	12·5	+ 22	+ 4·5	12·7	+ 2·0	77·46	81·4	83·96	83·64	83·64	o.g.l:fq: c. : f.q. : f. : b.
6	10·7	86	− 0·9	+ 7·5	83	7·6	+ 04	− 0·4	7·9	− 2·7	77·46	81·4	84·42	84·32	84·82	b. : f. : b.
7	7·7	63	− 1·7	+ 0·7	22	1·8	− 57	− 6·2	4·8	− 5·8	77·46	81·5	84·72	84·22	83·29	b. :c.g.d. : c. : b.
8	11·2	91	+ 2·2	+ 2·0	138	3·0	+ 59	− 5·0	5·4	− 5·1	77·51	81·5	84·66	84·63	85·32	b. : f. : b.
9	8·2	67	− 1·0	− 0·2	349	1·0	+270	− 7·0	5·0	− 5·5	77·56	81·4	85·87	85·83	86·68	b. : f. : o.
10	0	0	− 0·3	+ 4·5	86	4·5	+ 7	− 3·5	5·1	− 5·4	77·66	81·9	85·84	85·10	83·27	o. : o.g.p.
11	0	0	− 3·7	+15·2	76	15·7	− 3	+ 7·7	16·1	+ 5·7	77·56	81·9	81·90	79·80	77·08	o.g.r. : o.g.d. :o.g.q.p.:ogl.p.q.
12	3·9	32	+20·5	+ 6·7	162	21·5	+ 83	+13·5	25·6	+15·2	78·16	81·9	78·40	76·80	76·50	og.q.rlt: o.g.q.p. :c.q: c. :oql.
13	7·1	58	+14·0	−13·1	223	19·2	+144	+11·2	19·7	+ 9·3	78·11	82·2	79·53	79·38	80·55	o.q.l : c.q. : c. : f.
14	10·8	89	+ 5·6	− 7·4	233	9·3	+154	+ 1·3	9·6	− 0·8	77·66	82·0	81·81	82·30	84·52	b. : f. : b. : f. : c. : b.
15	8·0	66	+ 1·2	− 1·1	223	1·6	+144	− 6·4	5·0	− 5·3	77·66	82·2	83·49	83·65	84·69	b. : c.p. : b.
16	10·9	89	− 4·1	+ 7·2	60	8·3	− 18	+ 0·2	8·4	− 1·9	77·66	81·9	84·21	84·62	85·67	b. : f. : b.
17	10·2	84	− 4·2	+10·4	68	11·2	− 10	+ 3·1	11·6	+ 1·3	77·66	81·8	84·53	84·67	85·31	b. :c.p.: f. : f.q.p: f.l.
18	11·2	93	− 3·6	+10·5	71	11·1	− 7	+ 3·0	11·2	+ 0·9	77·76	82·0	84·37	84·68	85·41	b. : f. :. b.
19	7·2	60	− 5·8	+11·5	63	12·9	− 15	+ 4·8	13·4	+ 3·1	77·66	81·7	84·40	84·19	84·51	b. : f. : f.q:cqp: f. : c.p.
20	9·7	80	− 3·0	+10·5	74	10·9	− 4	+ 2·8	11·2	+ 0·9	77·71	81·6	83·54	83·36	83·10	f. : c. : f. : b.
21	10·4	86	0·0	+ 7·4	90	7·4	+ 13	− 0·7	8·0	− 2·3	77·61	81·6	83·48	83·55	84·42	b. : f. : b.
22	9·4	78	+ 2·9	+ 0·3	174	2·9	+ 97	− 5·2	5·7	− 4·6	77·76	82·0	84·25	84·39	85·51	f. : c. : f.
23	10·7	88	− 1·1	+ 0·5	24	1·3	− 53	− 6·9	5·7	− 4·6	77·61	81·6	85·40	85·93	87·54	f. :c.l. : f.
24	7·2	59	− 2·3	+ 7·2	72	7·6	− 4	− 0·6	8·3	− 2·0	77·66	81·4	85·97	85·87	85·98	b. : f. : c.
25	9·6	80	− 2·4	+ 9·4	76	9·7	0	+ 1·5	10·0	− 0·3	77·66	81·5	85·56	85·83	86·76	f.p. : f. : c. : b.
26	9·6	80	− 3·4	+ 7·7	66	8·4	− 10	+ 0·1	8·8	− 1·5	77·81	81·4	85·82	85·82	87·00	f. : c.p. : c.
27	7·1	59	− 7·1	+ 9·6	53	11·9	− 23	+ 3·6	12·2	+ 1·9	77·66	81·5	85·64	85·50	85·81	c.g. : c.p. : c. : f.
28	2·0	17	− 6·9	+10·2	56	12·3	− 19	+ 4·0	12·5	+ 2·2	77·86	81·4	84·70	83·89	84·53	c.g.l. : c.g. : o.
29	1.1	9	0·0	+ 7·9	90	7·9	+ 15	− 0·4	8·3	− 2·0	77·86	81·4	82·99	82·45	81·54	o.g.t. : o.g.p. : o. :o.r.
30	8·8	74	+ 1·3	+ 7·0	100	7·1	+ 25	− 1·2	7·4	− 2·9	77·76	81·7	82·99	83·19	83·59	o. : c. : o.
31	7·1	60	− 3·1	+10·4	73	10·9	− 2	+ 2·6	11·2	+ 0·9	77·66	81·5	83·98	84·14	84·80	o. : c.
Mean -	7·94	65·2	− 0·36	+ 6·66	86·9	6·67	+9·0	− 1·41	10·47	+ ·05	77·67	81·65	84·29	84·09	84·42	...
Average	7·00	57·5	− 1·70	+ 7·90	77·9	8·08	...	...	10·42	...	77·61	80·90	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Pressure was variable but above normal up to the 10th, and then fell rapidly during the passage of the cyclone of March 11—12 (*vide* page xviii). Two well marked positive waves followed up to the 27th. when pressure again fell during disturbed weather in the N.W. quadrant.

The highest dew point temperature was 77°·1 at 8h on the 30th. ; and the lowest 65°·7 at 16h on the 27th.

The highest relative humidity was 97·7 % at 23h on the 11th. ; and the lowest 55·4 % at 13h on the 6th.

A thunderstorm occurred on the morning of the 12th ; lightning was seen on the 4th., 5th., 11th., 12th., 13th., 17th., 23rd. and 28th. and distant thunder heard on the 29th.

The meteorological conditions continued to be favourable from an agricultural point of view. Rainfall was above normal in the agricultural districts, and temperature on all days except the 7th., 10th. to 12th., 19th. and 28th., the excess above average of the mean daily temperature being 0°.9. In certain districts, especially Moka, Grand Port and Savanne, and in the neighbourhood of high mountains, the strong North Westerly winds of the 13th. gave rise to local and, at times, violent eddies, which shredded the leaves of the growing cane in exposed positions.

The rainfall for the month was 10% above normal at the Observatory. The percentage variation from the normal in other parts of the Island was as follows :—

Northern Districts	River System 1,	2 % above normal
Eastern Districts	,, ,, 2, 3, 4.	12 % above ,,
South-Eastern Districts	,, ,, 5, 6	13 % above ,,
Western Districts	River System 11	9 % above
	,, ,, 12	17 % above
	,, ,, 13	11 % below

* South (0°) ; East (90°) ; North (180°) West (270°).

TABLE II.—DAILY RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of MARCH 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′				h m	h m	h m	″	h m	h m	h m	″	
Mar. 1	9.39·3	·23252	·30882	9·4	48	33										
2	39·2	245	876	9·0	28	40										
3	39·4	254	876	7·4	32	32										
4	38·9	258	874	11·8	38	33										
5	38·8	253	874	10·2	25	35										
6	39·1	256	874	7·8	29	14										
7	40·3	255	873	7·2	38	21										
8	39·4	220	875	6·6	66	23										
9	38·9	226	878	6·0	58	17										
10	39·3	228	876	5·2	29	23	1393	1.13·1	1.22·3	1.26·9		1.19·3	1.21·8	1.24·9		Very feeble.
11	39·0	235	874	8·4	40	22	1394	...	15.46·6	...		...	15.46·3	...		
12	39·2	243	873	7·2	49	28										
13	39·1	247	870	6·8	41	26										
14	39·3	248	873	6·2	50	19										
15	39·1	250	871	7·8	38	22										
16	39·7	245	869	8·4	28	32										
17	39·6	227	870	8·2	37	22	1395	...	...	...		19·15·3	19.17·2	19.20·4		
18	39·1	240	868	9·2	51	25										
19	38·9	228	871	7·8	47	19										
20	39·5	235	868	7·6	60	25										
21	39·8	232	871	7·2	80	19										
22	38·5	221	871	6·8	51	22										
23	39·3	228	875	5·2	52	9										
24	39·3	231	870	8·2	41	19										
25	40·0	227	872	6·6	47	16										
26	39·7	230	869	8·2	39	24	1396	5·15·5	5·55·9	5·57·6		...	...	...		Seismic origin doubtful.
27	39·4	237	867	6·0	18	24										
28	39·3	243	869	4·2	46	13										
29	39·7	244	865	5·6	40	23										
30	39·5	241	864	5·2	48	26										
31	39·2	236	865	5·0	44	20										
Mean	9.39·32	·23239	·30872	7·30	43·2	23·4	...	...	...	...	...	...	...	...	...	...

* Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of MARCH 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.	MAGNETIC DISTURBANCES. Element.	Time of. Beg:	Time of. End.	Time of. Max:	Time of. Min:	Total Range
d h m	° ′	d h m		d h m	° ′		d h m	d h	d h m	d h m	
Mar. 10. 8.23	9.39· 9	Mar. 10. 9.33	·23238	Mar. 3. 9.13	53· 0·6	Hor. Force	6.19.24	10.12	9.13	8.20	82γ
13.37	9.35· 8	13.18	·23237	6. 9.29	53· 1·0	,, ,,	16.20	17. 6	17. 4.10	17. 3.25	48γ
19. 8.40	9.42· 5	19. 9.30	·23226	9. 9.18	53· 3·6	,, ,,	20. 9	21. 3	20.13 ½	20.22	73γ
14.51	9.34· 6	13.13	·23248	13. 9. 2	53· 1·7	Declination	20. 7	21. 3	20. 7 ½	20.15	8′.4
24. 8.40	9.43· 4	24. 9.32	·23244	18. 9.31	53· 1·5	Hor. Force	21. 8	23.15	22.11 ½	21.22	75γ
13.46	9.35· 3	13. 4	·23235	20. 9.16	53· 1·7						
31. 8.47	9.42· 6	31. 9.38	·23245	23. 9.23	53· 1·5						
13.47	9.36· 0	12.58	·23272	27. 8·36	53· 1·6						
				29. 9· 0	53· 0·6						

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

March 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	ins. 29·000																
Midnight	793	809	776	774	820	825	777	786	823	774	738	685	671	782	849	922	Midnight
1h	778	795	767	755	815	810	757	779	804	738	724	672	659	778	843	906	1h
2	773	779	763	749	804	794	742	767	796	720	724	630	659	770	835	899	2
3	754	765	748	739	782	779	723	758	790	719	714	608	651	769	829	880	3
4	753	757	744	732	776	771	712	760	787	725	720	595	653	771	825	874	4
5	757	758	743	733	773	776	717	765	788	731	735	591	661	776	831	874	5
6	761	765	746	736	785	781	720	775	795	741	749	586	676	801	845	886	6
7	776	767	757	75[illegible]	807	784	735	795	806	756	756	597	697	817	866	896	7
8	791	778	772	771	822	796	746	814	816	770	766	587	716	837	878	916	8
9	797	796	785	781	833	804	761	820	824	772	786	592	727	854	896	922	9
10	798	795	781	793	839	798	774	827	823	773	814	592	737	852	895	929	10
11	794	796	773	787	839	797	773	817	815	777	799	594	740	846	884	925	11
Noon	777	786	758	780	828	778	753	800	807	763	773	583	724	830	863	915	Noon
13h	758	768	739	770	808	758	731	783	791	758	743	586	708	815	843	899	13h
14	743	750	718	742	788	748	711	767	778	740	738	586	698	801	826	875	14
15	728	738	708	737	778	737	702	765	758	731	727	583	687	784	824	867	15
16	727	732	706	741	778	727	700	765	747	732	727	596	687	784	834	871	16
17	737	730	709	744	781	730	709	768	744	740	737	608	696	790	843	878	17
18	747	735	730	755	792	738	730	780	747	750	718	614	710	799	847	884	18
19	765	751	747	781	804	756	756	804	774	757	722	647	735	816	866	896	19
20	788	773	766	801	815	772	775	817	786	776	727	647	757	830	878	907	20
21	810	786	786	823	823	783	794	834	796	786	734	667	770	846	916	930	21
22	825	791	781	838	836	789	798	839	799	788	724	687	784	857	925	936	22
23	822	786	786	830	837	786	796	832	796	766	672	684	782	857	930	931	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. \ Hour.
	ins. 29·000																
Midnight	928	929	918	878	884	804	768	803	893	869	807	778	738	744	765	810	Midnight
1h	908	919	907	874	874	788	767	797	888	848	783	750	730	727	757	797	1h
2	890	898	887	852	853	781	745	787	872	827	766	717	716	709	746	782	2
3	881	883	866	837	835	762	738	788	873	813	751	700	697	696	732	770	3
4	864	883	859	837	827	754	731	787	863	807	747	717	697	697	730	766	4
5	870	887	857	835	829	747	737	796	873	808	758	735	698	699	729	770	5
6	879	907	869	840	834	756	748	808	881	822	773	729	704	709	738	779	6
7	888	917	888	848	840	759	756	827	891	831	780	730	728	727	752	791	7
8	909	926	896	868	850	772	779	849	909	842	801	740	740	743	770	805	8
9	928	938	905	879	850	784	792	856	911	858	802	766	770	761	788	817	9
10	929	943	905	883	849	786	797	857	910	853	800	778	764	760	787	820	10
11	926	939	899	877	849	785	790	855	902	841	784	777	767	760	783	816	11
Noon	915	921	888	865	835	764	775	839	879	820	768	759	749	749	773	801	Noon
13h	896	907	879	842	813	743	754	828	859	792	739	733	738	729	759	783	13h
14	879	889	859	829	793	725	743	817	844	778	721	719	718	718	758	768	14
15	859	877	842	824	784	705	732	809	834	765	728	718	701	708	749	758	15
16	864	875	847	823	775	714	730	824	838	773	748	708	693	711	748	759	16
17	868	879	855	827	776	720	739	838	840	781	758	701	686	720	746	764	17
18	886	888	857	839	778	733	752	858	859	798	759	713	696	738	755	774	18
19	906	909	870	858	788	741	779	877	872	819	779	726	726	741	771	792	19
20	918	918	881	880	805	759	803	887	887	830	808	738	736	747	783	806	20
21	936	937	900	889	814	774	810	903	906	834	819	739	757	758	796	821	21
22	939	938	898	898	817	779	815	909	900	827	812	748	762	769	807	826	22
23	937	928	889	894	810	773	809	908	884	818	803	754	752	763	798	820	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

March 1915.

Day. / Hour.	1d. Air.	1d. Evaporation.	2d. Air.	2d. Evaporation.	3d. Air.	3d. Evaporation.	4d. Air.	4d. Evaporation.	5d. Air.	5d. Evaporation.	6d. Air.	6d. Evaporation.	7d. Air.	7d. Evaporation.	8d. Air.	8d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	75·8	74·0	75·5	72·7	77·2	71·0	77·2	76·1	77·4	76·0	74·4	72·4	73·1	71·0	73·2	71·1	Midnight
1h	75·5	73·6	75·4	72·8	77·4	71·5	77·4	76·1	77·3	75·5	73·7	72·0	72·5	70·5	72·5	70·5	1h
2	75·5	73·8	75·3	72·5	76·7	71·0	76·8	75·5	77·3	75·1	73·4	72·0	72·3	70·3	71·6	70·0	2
3	75·2	73·4	74·7	72·3	76·1	70·9	77·6	76·0	77·5	74·9	72·8	71·3	71·6	69·8	70·9	69·3	3
4	75·1	73·3	74·5	72·1	75·7	70·4	77·6	75·4	77·4	74·3	72·1	70·6	71·3	69·3	70·6	69·2	4
5	74·5	72·4	74·5	72·0	74·6	70·4	78·0	75·3	77·6	74·3	72·8	71·1	70·8	69·2	70·4	68·9	5
6	74·1	72·1	74·5	72·0	73·5	70·1	77·3	75·4	77·5	74·0	72·6	70·8	70·5	69·1	70·5	69·1	6
7	74·6	72·6	77·2	73·1	75·7	72·0	77·9	75·7	78·1	74·0	74·9	72·6	74·7	72·6	73·6	71·6	7
8	79·7	75·3	80·5	74·1	79·7	73·3	75·6	74·7	79·9	74·1	79·5	75·2	79·7	75·0	78·3	75·6	8
9	81·7	75·1	82·2	74·7	80·8	73·8	79·1	77·1	81·9	74·9	82·6	76·1	81·9	75·6	82·8	77·1	9
10	82·7	75·6	83·7	74·8	82·9	75·1	79·0	77·4	82·9	76·0	82·7	74·9	82·6	76·4	83·6	77·4	11
11	84·1	77·3	84·7	75·2	83·1	74·1	78·6	77·3	82·7	76·1	83·1	76·1	81·0	75·8	84·8	77·1	10
Noon	84·6	76·6	85·2	75·4	84·6	74·2	79·6	77·6	83·6	76·3	83·5	75·0	81·1	75·4	85·9	77·1	Noon
13h	84·6	75·4	84·6	75·0	84·1	74·6	81·9	77·3	83·7	76·2	84·3	73·6	83·1	77·1	86·3	77·2	13h
14	84·6	75·7	85·3	75·1	83·6	75·1	81·7	77·8	83·8	76·1	84·5	74·6	85·1	77·1	87·4	77·8	14
15	85·1	75·0	84·4	75·1	83·7	76·3	80·6	77·6	83·5	76·4	83·5	75·0	83·1	76·1	86·8	78·0	15
16	83·6	74·5	84·7	75·4	82·8	75·5	80·9	77·5	83·5	76·0	83·0	74·3	83·5	75·1	86·3	77·7	16
17	82·5	73·0	82·4	75·0	81·5	75·2	80·6	76·6	81·7	76·6	81·7	74·7	81·6	75·3	85·3	77·0	17
18	80·4	73·5	80·6	73·7	81·0	75·2	78·2	76·2	80·5	74·7	80·4	73·6	80·5	75·0	83·3	76·8	18
19	78·5	73·3	79·0	73·5	79·7	75·2	78·2	76·8	78·7	74·3	77·6	73·7	78·4	75·0	80·0	76·0	19
20	77·4	72·9	78·0	72·9	80·1	75·7	78·2	76·4	78·0	74·4	77·2	73·8	76·3	73·2	77·5	74·2	20
21	77·8	73·9	77·5	71·5	76·5	75·3	78·5	76·6	77·4	73·6	76·4	73·3	74·5	72·4	76·4	73·6	21
22	76·2	73·1	77·0	71·4	76·5	75·0	76·8	75·3	75·6	73·0	75·5	72·9	74·1	71·8	74·9	72·4	22
23	75·6	72·9	77·2	71·1	76·8	75·6	77·5	76·2	74·6	72·6	74·5	71·9	73·5	71·4	74·2	71·9	23

Day. / Hour.	9d. Air.	9d. Evaporation.	10d. Air.	10d. Evaporation.	11d. Air.	11d. Evaporation.	12d. Air.	12d. Evaporation.	13d. Air.	13d. Evaporation.	14d. Air.	14d. Evaporation.	15d. Air.	15d. Evaporation.	16d. Air.	16d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	73·5	71·5	77·2	74·6	74·4	72·9	73·4	72·1	77·5	74·7	78·0	75·5	73·1	71·4	75·4	74·0	Midnight
1h	72·5	70·7	76·9	73·9	74·5	72·6	74·5	73·5	77·4	74·9	78·0	75·1	73·0	71·8	74·6	73·1	1h
2	71·9	70·3	76·4	73·7	75·1	73·0	73·6	72·2	76·9	74·4	77·7	74·9	72·4	71·0	74·9	73·7	2
3	71·3	69·7	76·7	74·2	74·7	73·1	74·8	73·4	77·4	74·7	77·6	75·2	72·5	71·2	74·9	73·8	3
4	70·6	69·2	76·2	74·2	73·6	72·1	74·2	73·4	76·1	74·5	77·4	75·0	72·2	71·0	75·6	74·5	4
5	70·6	69·1	75·6	73·9	72·6	71·1	74·2	73·6	76·6	75·1	77·2	74·9	71·9	70·8	74·9	74·0	5
6	70·5	68·7	75·9	74·0	72·6	70·6	74·4	73·1	76·3	75·0	76·9	74·7	72·1	70·8	75·4	74·1	6
7	73·7	72·1	76·6	74·8	72·2	70·1	74·7	73·1	77·2	75·6	77·3	75·2	77·6	73·1	76·7	75·6	7
8	79·0	75·2	79·6	76·0	72·6	70·6	76·3	73·3	78·7	75·5	80·6	77·4	79·7	76·3	80·7	77·1	8
9	81·8	76·9	80·5	76·2	73·3	72·0	77·6	74·8	80·1	76·9	83·9	79·1	81·7	77·0	82·9	77·1	9
10	84·2	77·3	81·5	75·9	73·3	72·4	76·7	74·4	82·0	78·1	84·6	78·1	83·7	78·5	83·8	77·4	10
11	85·7	77·7	81·5	75·1	74·1	73·1	77·5	75·4	82·5	78·1	85·1	79·4	84·8	78·6	85·2	77·7	11
Noon	86·1	78·2	79·7	76·1	73·6	72·6	77·8	75·1	83·2	78·6	85·6	79·1	85·9	79·1	85·6	76·6	Noon
13h	86·3	77·7	78·1	74·0	73·5	72·5	77·7	75·6	84·5	78·6	84·6	78·6	87·1	79·6	85·6	77·8	13h
14	85·6	77·6	79·1	75·3	73·6	72·4	78·3	76·7	84·6	78·6	85·3	79·1	87·6	79·6	85·3	76·9	14
15	84·9	76·3	76·5	74·1	73·6	72·1	79·6	76·1	83·8	78·3	84·2	78·2	85·6	78·4	85·0	77·4	15
16	83·1	76·1	76·6	74·5	74·9	73·4	76·7	75·0	83·5	78·1	83·7	77·0	80·5	75·7	83·4	76·3	16
17	82·4	76·6	76·8	75·2	74·5	73·0	78·5	75·6	82·4	78·0	83·0	77·4	79·5	76·2	81·5	76·0	17
18	81·4	76·8	75·5	74·0	75·0	72·0	78·1	75·1	81·0	77·1	81·5	77·0	80·0	76·7	80·5	75·0	18
19	80·4	75·4	75·1	73·7	73·8	72·3	76·8	74·2	80·0	76·7	78·8	76·0	78·5	76·1	79·0	75·5	19
20	79·0	74·5	75·3	73·7	73·8	71·9	76·5	73·9	79·2	75·9	76·8	74·5	77·7	75·6	77·9	74·8	20
21	78·5	74·9	74·8	73·0	74·3	71·9	77·4	74·5	79·1	76·0	75·5	73·6	78·1	76·1	77·6	74·9	21
22	77·7	74·8	74·5	73·1	74·5	72·2	77·4	74·2	79·1	76·5	74·1	72·2	76·9	75·1	77·5	74·8	22
23	77·5	74·6	74·3	72·7	74·5	74·1	77·6	74·8	78·5	75·9	73·4	71·6	76·2	74·6	76·8	74·1	23

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

March 1915.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	75·9	73·4	76·3	74·6	75·4	72·9	74·4	72·8	74·5	71·9	72·5	71·0	74·7	72·8	75·1	72·4	Midnight
1h	74·9	72·3	75·5	73·8	74·9	72·4	74·4	73·0	73·5	71·5	72·5	71·1	74·5	72·7	74·8	72·5	1h
2	74·6	72·1	75·4	73·0	74·5	72·4	74·1	72·4	73·5	71·6	71·9	70·2	74·5	72·6	74·5	72·0	2
3	74·4	72·0	74·6	72·4	74·4	72·1	74·0	72·4	73·0	71·1	71·7	70·2	74·3	72·6	74·6	72·0	3
4	74·4	71·5	74·5	72·2	74·5	72·6	74·4	72·7	73·5	71·0	71·6	70·2	73·4	71·8	73·7	72·0	4
5	74·4	71·5	73·5	71·9	74·2	72·1	74·3	72·5	73·4	71·7	71·4	70·1	72·5	71·2	73·0	71·1	5
6	75·6	72·7	73·4	71·4	74·4	72·5	74·5	72·9	73·0	71·1	70·6	69·5	72·0	70·5	72·7	71·0	6
7	75·9	73·3	75·5	73·0	74·5	72·9	75·5	73·4	74·5	72·0	72·5	72·0	74·5	73·0	75·3	74·0	7
8	78·7	76·7	79·5	74·7	77·0	74·0	79·4	75·2	79·5	75·0	79·5	76·5	79·5	75·6	81·0	76·0	8
9	80·6	77·0	81·2	75·0	78·4	74·2	80·5	74·8	81·3	74·4	81·7	77·8	82·0	78·0	83·2	76·2	9
10	82·7	77·6	81·8	74·5	80·2	73·8	78·4	74·1	81·5	74·3	82·5	77·9	83·5	78·3	83·6	76·5	10
11	83·5	77·4	82·8	75·0	81·6	74·1	81·5	75·2	82·5	75·9	84·5	79·2	85·4	79·0	82·5	76·7	11
Noon	83·0	77·1	83·4	74·2	82·5	74·1	80·5	75·2	82·8	74·7	84·4	78·9	85·5	78·8	84·6	77·2	Noon
13h	82·1	77·4	83·4	74·1	82·3	74·3	81·7	75·1	83·0	76·0	85·4	79·4	85·2	78·5	85·0	77·6	13h
14	83·4	76·8	83·5	75·1	79·0	74·2	82·3	75·2	83·5	75·3	86·1	78·7	85·5	78·0	83·3	76·4	14
15	83·3	75·8	83·1	74·5	79·5	74·0	81·9	74·6	83·4	75·8	85·7	78·3	85·2	77·9	82·5	77·4	15
16	82·8	76·2	82·4	75·1	77·5	73·3	81·4	74·6	82·0	75·4	84·7	77·9	84·5	78·0	81·2	76·5	16
17	81·6	76·1	81·5	74·6	76·0	73·4	80·7	74·0	80·3	74·3	83·3	77·8	83·4	76·7	79·8	75·8	17
18	80·1	75·5	79·5	73·9	75·7	72·2	78·5	73·6	79·0	73·4	82·2	77·9	81·8	76·8	78·9	75·3	18
19	78·5	75·4	78·1	73·9	75·6	72·5	76·5	73·9	77·0	73·1	79·8	76·8	79·9	75·9	78·0	75·2	19
20	77·5	74·9	77·5	74·0	75·7	72·1	75·9	73·0	75·8	72·9	79·2	76·6	78·7	74·0	77·7	75·0	20
21	77·3	75·0	76·5	74·0	74·6	73·2	75·1	72·5	75·0	72·5	78·2	75·7	77·6	73·9	77·2	75·0	21
22	77·2	75·2	75·9	73·5	74·3	72·6	74·8	72·3	74·2	72·0	76·9	75·0	76·5	73·1	77·2	74·6	22
23	76·9	74·9	75·7	73·4	74·6	72·3	74·8	72·3	73·5	71·7	75·8	74·0	75·5	72·3	76·5	74·6	23

Day / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air	Evaporation.	Air.	Evaporation.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	76·2	74·2	77·0	75·0	77·5	74·0	75·1	71·7	76·4	75·2	78·4	77·1	77·8	76·7	75·6	73·4	Midnight
1h	76·4	74·9	76·5	74·5	77·0	73·6	75·4	71·8	76·4	75·3	77·7	77·0	77·5	76·6	75·3	73·3	1h
2	76·0	74·2	75·9	74·3	77·0	73·6	75·5	71·8	76·3	75·3	77·7	77·0	77·4	76·2	75·0	73·0	2
3	76·0	74·3	75·6	74·0	77·2	73·5	75·7	71·9	76·2	75·6	77·4	76·6	77·4	76·0	74·9	72·9	2
4	75·9	74·3	75·7	74·0	77·2	73·5	75·6	72·0	76·6	76·0	77·5	76·4	77·1	75·5	74·7	72·7	4
5	75·7	74·1	75·6	74·1	76·5	73·2	74·8	71·7	75·9	75·0	77·0	76·1	77·4	75·8	74·4	72·5	5
6	75·7	74·0	75·8	74·2	75·5	73·7	74·5	71·2	76·0	75·0	76·8	76·0	77·3	75·8	74·3	72·4	6
7	76·5	75·0	77·3	75·0	75·5	73·9	75·5	71·3	76·4	75·2	77·5	77·0	77·7	76·0	75·7	73·6	7
8	80·7	77·0	80·4	76·2	75·5	73·0	77·9	72·8	79·0	77·5	80·8	78·6	80·6	77·7	79·0	75·3	8
9	82·1	77·2	81·4	76·9	78·2	74·0	81·5	75·1	80·0	78·1	81·5	78·3	82·1	77·9	81·0	76·1	9
10	83·5	77·3	82·0	77·1	79·5	74·3	81·0	74·0	79·5	77·9	83·7	79·0	82·8	78·2	81·8	76·3	10
11	83·5	78·0	83·5	77·7	81·5	74·9	80·8	74·0	79·2	77·9	84·2	79·2	84·0	78·5	82·6	76·7	11
Noon	84·4	77·9	80·5	77·1	81·7	74·1	80·7	74·1	79·6	77·7	84·8	80·0	83·5	78·0	82·8	76·5	Noon
13h	83·7	77·1	83·5	77·7	81·9	74·1	80·0	74·0	79·5	77·7	84·5	79·1	84·3	78·7	83·1	76·5	13h
14	83·8	77·2	84·7	77·9	82·3	73·8	76·2	73·9	79·3	76·1	84·5	78·9	83·5	78·1	83·1	76·5	14
15	82·8	77·2	83·5	77·7	81·0	73·3	75·5	73·8	79·4	76·5	84·0	78·7	83·5	78·2	82·5	76·3	15
16	82·5	76·5	82·2	76·1	80·8	71·8	76·1	73·8	80·6	76·9	82·4	77·8	82·4	77·8	81·8	75·8	16
17	81·3	76·3	80·4	75·0	79·4	71·8	75·8	72·9	79·8	76·3	81·7	77·7	81·5	77·9	80·7	75·6	17
18	79·5	75·4	79·2	75·3	77·2	70·8	75·3	73·1	78·4	75·4	80·5	77·6	80·4	77·4	79·5	75·0	18
19	78·1	75·0	78·2	75·4	76·3	71·2	75·0	73·5	77·1	74·9	78·7	76·7	79·5	77·4	78·0	74·8	19
20	77·8	75·0	77·6	74·7	75·7	71·7	75·0	73·5	77·1	75·0	77·8	76·0	79·2	77·4	77·3	74·3	20
21	77·3	74·9	77·5	74·4	75·1	71·7	75·5	74·2	78·5	77·0	77·9	76·3	78·8	77·3	76·8	74·3	21
22	77·0	74·8	76·9	73·5	74·6	70·3	76·3	74·9	78·8	77·5	77·8	76·3	78·8	77·2	76·3	73·9	22
23	76·8	74·7	76·8	73·8	74·6	71·0	76·5	75·3	78·3	77·0	77·9	76·6	79·2	77·3	76·0	73·8	23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour. \ Day.	March 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Mean.
Midnight	10	4	6	10	10	2	2	2	1	10	10	10	10	2	1	2	0	2	2	3	1	4	4	0	6	4	10	10	10	10	8	5·4
1h	10	4	7	10	10	3	1	1	1	10	10	10	10	4	2	0	0	2	1	2	1	3	5	2	4	3	10	8	10	10	10	5·3
2	8	6	4	9	10	2	1	0	1	10	10	10	10	2	2	2	2	1	2	4	2	2	3	1	3	1	9	9	10	9	10	5·0
3	9	3	3	10	4	2	2	3	1	8	10	10	10	3	2	3	0	2	4	3	1	2	2	3	2	1	9	9	10	9	9	4·8
4	9	4	3	10	5	2	2	6	0	10	10	10	10	6	2	2	0	2	5	7	2	4	0	2	3	1	10	10	10	9	8	5·3
5	5	4	4	10	6	3	1	5	2	10	10	10	10	6	3	2	2	5	6	6	2	3	1	4	2	2	10	9	10	9	8	5·5
6	3	8	4	10	6	3	1	8	3	10	10	10	7	3	2	2	8	5	5	8	4	6	4	6	3	2	10	9	10	7	8	6·0
7	6	6	5	10	7	6	2	8	1	10	10	10	7	5	2	2	5	5	5	8	2	5	5	4	3	3	10	9	9	7	7	5·9
8	4	4	5	10	6	6	2	8	1	10	10	8	8	4	2	2	5	4	7	7	2	7	5	5	4	4	9	10	10	7	6	5·9
9	6	5	6	10	5	3	5	3	6	10	10	10	9	2	5	5	6	6	9	6	2	8	4	2	6	7	9	8	10	8	8	6·4
10	7	7	7	10	5	5	8	3	7	10	10	10	7	2	7	5	8	6	7	9	2	9	6	5	5	8	10	9	10	8	9	7·1
11	8	7	7	10	4	5	8	3	6	10	10	10	6	4	8	5	7	6	6	8	3	9	4	6	5	7	10	9	10	9	9	7·0
Noon	5	7	5	10	5	2	8	2	5	10	10	10	7	5	8	5	7	6	7	7	4	8	2	7	5	8	9	10	10	5	9	6·7
13h	5	7	9	10	6	2	9	2	6	10	10	10	7	4	8	5	5	6	7	7	3	8	3	7	5	7	8	10	10	6	9	6·8
14	5	8	8	9	6	3	8	1	6	10	10	10	7	5	5	5	5	6	9	7	5	8	3	8	4	7	8	10	10	8	9	6·9
15	4	5	8	9	6	4	8	4	9	10	10	6	7	7	6	6	4	3	7	8	6	6	3	8	7	7	8	10	10	9	8	6·9
16	4	4	9	8	7	4	7	3	10	10	10	6	8	7	9	6	3	4	6	7	5	7	4	8	6	8	8	10	10	9	8	6·9
17	3	4	10	8	4	4	7	2	10	10	10	8	8	6	6	5	4	2	10	7	7	8	5	7	5	8	8	10	10	9	8	6·9
18	5	3	10	5	3	4	7	2	10	10	10	8	8	5	3	4	5	3	6	5	2	9	7	7	3	9	7	10	10	9	7	6·3
19	6	3	10	10	2	4	5	1	10	10	10	6	7	2	5	1	4	4	3	7	2	8	8	6	2	9	5	10	10	9	5	5·9
20	7	3	10	10	2	2	5	1	9	10	10	8	7	1	7	0	2	4	4	4	1	5	8	9	2	9	6	10	10	10	7	5·9
21	8	7	10	10	3	1	4	1	9	10	10	10	6	0	3	2	2	3	10	2	2	7	5	9	1	8	5	10	10	10	7	6·0
22	6	7	10	10	2	1	0	0	10	10	10	10	8	0	1	0	1	1	9	1	2	3	5	8	2	9	6	10	10	9	8	5·5
23	3	8	10	10	4	1	2	0	10	10	10	10	1	0	0	2	9	2	4	1	2	1	2	9	2	10	9	10	10	10	9	5·5

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	March 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Total.
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	25	40	25	0	25	33	45	27	52	0	0	0	10	20	46	40	12	40	0	15	22	16	43	38	15	45	0	0	0	15	0	10·8
8	54	60	40	5	60	60	60	60	60	0	0	0	25	59	60	60	52	60	42	58	60	60	60	60	60	60	0	15	20	40	45	22·6
9	45	60	53	35	60	60	60	60	60	0	0	17	12	60	55	60	60	60	42	60	60	45	60	60	60	50	7	35	16	45	47	23·4
10	55	60	60	32	60	60	30	60	57	0	0	11	11	60	58	60	60	60	50	47	60	48	38	59	60	54	37	37	0	60	44	23·1
11	60	60	60	25	60	60	12	60	60	0	0	34	30	60	52	60	60	60	60	60	60	45	55	57	60	60	58	32	0	60	60	24·7
Noon	60	60	60	0	60	60	15	60	60	0	0	3	42	60	55	60	42	60	60	50	60	52	60	60	60	40	51	0	0	60	59	22·8
13h	60	60	60	40	60	60	42	60	60	0	0	30	60	60	52	54	50	60	58	60	52	60	60	59	40	60	35	0	0	60	60	24·5
14	60	60	60	0	60	60	54	60	59	0	0	40	60	60	57	56	60	60	34	60	60	60	60	10	60	60	54	0	0	58	50	23·9
15	60	60	50	45	60	30	57	60	20	0	0	50	60	60	30	60	60	60	27	56	59	60	60	0	48	38	55	0	0	60	35	22·0
16	60	60	40	58	60	60	58	60	0	0	0	25	60	60	1	60	60	60	32	56	48	59	60	12	44	45	60	0	30	40	12	21·3
17	60	60	15	15	60	60	18	60	5	0	0	20	50	57	8	58	60	60	25	53	60	30	60	15	57	60	60	0	3	30	14	18·9
18	45	40	5	11	40	40	8	48	0	0	0	3	5	31	6	30	35	32	2	8	22	27	25	0	15	4	11	0	0	0	0	8·2
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 246·2 hours; the corresponding period during which the sun was above the horizon was 377·6 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

March 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	12·1	8·4	10·2	12·1	10·6	4·4	5·6	3·1	4·4	3·4	7·1	22·1	21·1	13·3	5·9	4·2	Midnight
1h	11·7	7·6	12·1	11·9	10·6	4·4	6·1	3·4	4·8	6·1	7·6	21·7	23·3	14·1	5·4	3·2	1h
2	8·0	6·3	12·7	16·5	13·5	4·4	2·8	4·2	5·9	7·3	8·8	26·1	23·9	14·3	5·2	4·0	2
3	8·8	6·7	11·5	15·7	15·9	4·8	3·1	4·4	5·6	3·5	6·3	22·1	18·7	11·0	4·0	4·4	3
4	7·5	7·3	10·4	15·3	15·1	6·1	6·1	3·1	5·0	3·5	8·0	30·1	19·3	12·5	4·8	4·2	4
5	7·1	7·5	10·4	15·3	17·3	8·0	4·6	5·2	5·0	4·4	13·3	26·3	18·3	10·6	5·6	4·6	5
6	6·3	8·0	7·5	14·1	11·5	6·1	6·3	4·6	6·1	2·2	12·9	23·9	18·7	10·2	6·1	7·1	6
7	6·5	10·2	10·2	17·1	10·8	6·7	3·7	3·4	3·7	3·4	12·9	20·1	19·3	8·4	3·7	6·9	7
8	10·8	12·1	14·9	17·1	16·1	8·8	2·6	2·6	1·9	4·6	16·7	31·7	23·3	10·0	3·4	9·0	8
9	12·2	15·5	15·7	18·1	18·1	10·0	2·2	5·9	3·1	7·6	9·8	32·1	23·1	11·9	2·0	10·0	9
10	13·3	14·9	24·1	16·1	18·1	11·5	6·7	6·5	6·1	6·7	6·5	39·1	27·3	13·5	3·9	6·7	10
11	12·7	17·5	21·9	16·5	17·5	12·1	4·2	6·9	9·4	5·6	11·5	38·1	29·3	12·7	6·1	10·4	11
Noon	18·3	16·5	21·9	17·7	18·7	12·7	4·2	6·3	8·0	6·1	15·7	33·3	24·9	13·1	8·2	10·2	Noon
13h	18·1	17·7	21·9	20·1	16·1	12·3	8·2	6·3	11·0	5·0	18·1	34·1	22·9	13·1	8·2	9·0	13h
14	15·7	18·3	20·7	15·3	18·1	12·3	7·3	10·2	8·0	3·9	19·9	30·5	25·7	12·3	10·0	9·2	14
15	16·7	16·5	20·1	18·3	15·9	11·0	6·5	9·8	6·5	3·0	17·7	31·9	20·3	11·7	7·8	12·5	15
16	15·9	17·7	20·3	17·7	13·5	10·6	5·2	10·2	4·6	2·0	16·7	21·9	20·3	10·0	6·5	13·3	16
17	17·3	16·7	18·9	17·1	12·7	12·1	4·4	8·4	2·4	3·4	18·3	18·1	18·1	7·1	3·2	12·1	17
18	14·1	16·7	16·3	13·3	11·4	10·0	4·2	4·4	1·7	5·6	20·1	17·7	14·1	5·7	3·0	14·5	18
19	9·4	11·9	14·9	10·0	5·4	6·3	3·2	3·0	3·1	8·6	24·3	18·9	13·1	3·2	3·2	9·0	19
20	6·9	11·4	15·9	10·2	4·4	4·4	5·2	3·2	4·2	5·6	23·9	16·7	13·3	2·8	4·0	9·2	20
21	5·6	11·2	12·5	11·0	5·4	3·2	4·6	3·0	3·1	5·2	26·1	19·3	13·7	3·0	3·4	8·0	21
22	8·4	11·5	10·0	9·2	5·7	4·0	4·0	4·2	3·0	5·9	27·7	20·5	11·5	6·1	3·9	10·0	22
23	7·1	12·7	10·0	9·2	5·9	3·5	4·6	6·1	3·2	7·5	28·7	19·7	14·1	4·0	4.4	10·4	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23.d	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	9·8	6·1	9·4	5·4	7·3	3·7	3·4	5·0	7·1	7·3	8·1	13·1	8·6	5·4	6·3	8·2	Midnight
1h	7·1	6·5	10·2	6·5	6·1	4·4	2·6	3·9	11·2	8·0	8·2	13·9	9·2	5·7	5·4	8·5	1h
2	9·2	10·0	6·5	8·2	6·3	5·2	3·0	4·4	10·4	5·7	3·1	10·4	9·0	5·9	5·7	8·6	2
3	8·2	7·3	7·5	8·2	6·3	5·2	3·1	4·8	8·2	5·0	4·2	10·8	8·6	6·3	6·3	7·9	3
4	9·8	5·6	8·2	7·8	6·3	5·7	4·4	4·0	6·1	5·9	6·3	10·8	10·2	6·3	7·1	8·5	4
5	9·0	7·6	8·8	10·4	6·7	4·0	4·6	4·2	6·5	5·0	10·4	8·6	7·1	6·1	9·0	8·8	5
6	10·4	5·0	11·0	13·3	6·1	5·7	4·2	3·1	7·8	6·3	8·0	12·9	9·2	4·6	10·4	8·7	6
7	11·4	6·3	13·3	11·0	8·2	4·4	4·0	3·0	9·2	5·7	6·3	11·0	8·2	3·5	11·0	8·5	7
8	12·9	11·2	15·7	11·7	9·6	4·4	1·8	6·3	10·4	10·6	16·5	14·7	9·2	7·6	11·2	11·0	8
9	15·7	14·3	13·7	13·4	14·9	7·8	3·0	10·6	9·8	8·2	14·5	12·7	11·2	7·3	16·1	11·9	9
10	15·7	14·9	19·3	16·4	13·7	6·3	3·9	11·0	12·7	8·2	18·5	15·9	11·2	10·0	15·3	13·4	10
11	16·7	15·9	18·9	14·7	14·3	7·6	8·0	11·5	12·1	11·7	20·3	16·7	10·2	11·0	14·9	14·1	11
Noon	14·3	15·3	22·7	14·1	13·5	9·6	8·6	11·5	13·1	11·0	17·7	17·7	7·3	10·2	18·1	14·2	Noon
13h	14·1	16·3	14·7	13·1	11·0	10·6	8·0	8·8	12·7	12·7	21·7	11·7	13·3	9·2	17·3	14·2	13h
14	15·1	15·9	19·7	16·1	12·1	10·0	8·4	11·5	14·5	12·1	17·9	11·9	7·1	10·0	17·3	14·1	14
15	17·1	17·1	19·5	13·9	6·3	10·2	8·2	5·2	13·1	11·4	17·7	12·1	10·4	10.4	14·7	13·3	15
16	16·5	16·5	16·9	14·3	10·0	7·8	11·9	9·4	14·5	13·7	17·7	9·4	8·2	7·8	13·1	12·7	16
17	13·9	14·9	17·3	14·5	10·0	5·2	10·4	11·5	13·3	13·3	16·5	9·6	10·0	7·6	10·2	11·9	17
18	11·9	12·7	15·1	12·1	6·1	3·7	5·4	13 1	9·6	9·4	9·2	11·7	6·3	6·3	10·2	10·2	18
19	8·2	9·4	12·3	9·6	4·6	1·9	5·4	11·4	8·0	8·2	10·2	13·9	5·4	4·4	8·0	8·7	19
20	8·2	11·2	11·5	8·2	4·0	3·7	5·7	12·7	7·5	6·3	9·2	15·3	4·4	8·0	8·4	8·6	20
21	9·2	8·2	10·2	10·4	3·1	2·2	5·9	8·4	7·3	10·4	9·2	12·1	7·3	8·6	8·2	8·4	21
22	7·3	8·2	8·6	6·3	3·2	2·4	5·2	11·7	6·7	9·0	7·8	13·1	3·5	6·1	9·6	8·2	22
23	8·2	11·0	12·7	9·4	4·0	5·7	6·5	10·2	7·8	5·6	10·6	9·8	5·4	8·2	12·3	9·0	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile.*)

March 1915.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	95	111	95	107	100	110	98	112	100	111	100	104	98	105	98	103	Midnight
1h	100	112	97	107	100	112	98	112	100	111	98	104	98	106	98	103	1h
2	97	107	97	105	98	113	100	117	100	113	98	104	98	102	98	103	2
3	100	109	95	105	100	112	100	116	100	116	98	104	97	102	97	103	3
4	97	107	95	105	100	110	100	115	100	115	98	106	95	103	98	102	4
5	97	107	95	105	98	110	97	115	102	117	97	107	96	103	96	104	5
6	98	106	97	107	99	107	100	114	102	111	98	106	95	104	97	103	6
7	98	106	94	109	96	109	100	117	103	111	97	106	98	103	98	102	7
8	96	110	95	111	97	115	100	117	100	116	98	109	98	102	98	102	8
9	95	113	94	114	97	115	100	118	100	118	104	109	100	102	104	104	9
10	95	112	97	115	95	124	100	116	107	118	100	111	105	95	104	105	10
11	100	113	93	116	96	122	100	116	107	116	105	111	101	96	106	104	11
Noon	100	118	100	117	88	118	103	117	103	117	100	113	98	96	105	104	Noon
13h	97	118	97	117	92	120	104	120	110	116	98	112	104	93	104	104	13h
14	94	114	96	118	100	121	108	113	106	115	105	111	106	96	109	104	14
15	94	115	100	117	100	120	104	118	108	115	102	111	100	93	110	100	15
16	100	116	97	117	100	120	103	117	107	111	100	111	95	98	110	100	16
17	90	114	100	117	100	119	100	117	104	111	95	111	96	101	108	100	17
18	100	114	100	117	100	116	103	113	102	110	98	110	97	103	104	100	18
19	96	109	95	111	100	115	102	110	101	105	98	106	98	102	103	98	19
20	96	106	96	111	100	116	102	110	101	104	98	104	96	104	102	98	20
21	98	105	98	111	100	112	100	111	100	105	98	103	97	103	103	98	21
22	97	108	98	111	102	110	102	109	100	106	98	104	97	103	104	98	22
23	97	107	98	112	100	110	105	108	100	106	98	102	97	103	98	106	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	98	104	98	102	100	107	100	122	115	85	105	88	102	95	96	102	Midnight
1h	97	104	98	106	98	107	112	118	116	84	108	88	102	95	97	101	1h
2	97	105	100	107	100	109	105	126	120	87	108	88	102	95	99	104	2
3	97	105	101	103	97	105	108	120	116	90	108	92	102	96	98	104	3
4	97	104	99	103	100	108	112	128	116	89	107	90	102	96	98	104	4
5	97	104	98	104	91	109	122	115	115	90	106	91	102	95	98	104	5
6	97	105	99	102	95	112	122	109	117	93	107	93	102	94	97	107	6
7	97	103	99	103	95	112	119	108	116	89	106	94	101	97	97	106	7
8	99	101	98	104	88	112	129	112	119	82	106	92	101	97	97	108	8
9	102	102	97	107	98	110	127	118	119	87	105	89	102	100	100	110	9
10	106	100	97	106	103	106	136	115	125	90	113	97	104	101	97	106	10
11	107	93	103	105	96	111	135	114	121	80	112	95	106	102	96	110	11
Noon	100	92	101	106	94	114	133	107	114	79	111	93	108	103	96	109	Noon
13h	102	89	99	105	93	117	133	107	116	84	109	91	108	102	97	108	13h
14	102	92	98	104	96	119	130	106	114	79	105	89	109	104	95	108	14
15	99	94	103	101	97	117	126	82	114	86	104	89	107	103	95	112	15
16	99	95	101	101	100	117	118	88	108	81	104	91	94	101	93	111	16
17	99	98	101	103	100	118	118	103	110	85	103	93	97	98	93	110	17
18	99	98	102	105	92	119	116	107	110	90	102	95	98	98	90	110	18
19	97	101	100	109	95	124	119	100	112	95	101	97	97	98	95	107	19
20	96	102	100	106	95	123	117	100	103	87	101	97	97	98	94	106	20
21	97	101	100	105	95	126	119	104	108	89	101	97	97	98	94	106	21
22	98	102	100	106	100	128	114	86	106	90	102	94	97	102	93	107	22
23	98	102	100	108	94	128	114	86	110	90	101	96	96	102	96	110	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

March 1915.

Hour.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d. N.	20d. E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.
Midnight	95	108	97	105	96	109	98	105	97	107	101	104	99	103	98	105
1h	96	106	97	106	96	109	98	106	98	106	101	104	99	102	98	104
2	95	108	96	109	98	106	96	107	98	106	101	105	99	103	98	104
3	95	107	97	107	97	107	95	107	98	106	101	105	99	103	98	104
4	93	107	98	105	98	108	97	107	98	106	101	106	98	104	98	104
5	94	106	97	107	97	108	96	110	96	106	99	104	98	104	98	104
6	94	109	98	105	96	110	95	112	97	105	98	105	98	104	99	103
7	94	109	98	106	95	112	96	110	95	107	98	104	99	102	98	106
8	95	112	96	110	94	114	98	111	96	109	98	104	99	103	94	109
9	94	114	94	113	92	111	97	113	106	114	107	103	99	103	100	111
10	100	116	97	115	89	116	100	116	97	113	106	101	102	97	100	111
11	100	117	100	116	95	116	100	115	100	114	107	101	107	94	102	111
Noon	95	113	100	115	84	116	100	114	103	113	109	96	106	93	103	108
13h	100	114	97	116	90	110	100	113	106	109	106	91	103	92	100	111
14	97	115	97	116	100	120	94	115	105	111	104	91	98	92	99	95
15	97	117	97	117	86	114	97	114	104	104	107	93	97	90	95	108
16	91	114	91	114	94	116	100	114	100	110	104	94	93	91	94	109
17	97	114	94	114	93	116	100	114	100	110	104	96	94	104	95	112
18	95	111	95	112	89	111	95	111	101	106	103	98	96	105	96	111
19	94	106	95	108	95	111	95	108	101	104	101	99	102	104	93	111
20	95	107	96	110	92	108	95	107	101	104	104	101	96	104	97	108
21	98	109	95	107	100	110	94	109	101	103	102	100	96	104	96	111
22	96	106	97	108	97	108	96	105	101	103	102	101	96	106	96	109
23	97	108	96	110	95	112	95	108	101	104	106	101	98			

Hour.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	31d. N.	31d. E.	Mean. N.	Mean. E.
Midnight	97	107	97	107	95	107	91	109	95	107	100	105	98	106	98·5	105·2
1h	98	111	97	107	95	107	90	110	96	109	100	106	98	105	99·2	105·4
2	96	110	98	105	98	102	94	109	100	109	100	106	98	105	99·4	105·8
3	97	108	98	105	97	103	94	109	97	108	100	106	98	106	99·2	105·6
4	97	105	98	105	96	104	94	109	100	110	100	106	97	107	99·3	105·7
5	98	106	98	105	93	107	100	109	99	107	100	106	97	108	98·9	105·7
6	97	107	98	106	94	106	91	109	95	108	100	105	96	110	99·0	105·7
7	96	108	98	105	96	104	92	108	97	108	100	103	96	110	98·8	105·7
8	96	110	96	110	97	116	90	110	100	109	100	108	94	109	99·0	107·4
9	98	110	98	108	90	110	93	111	102	111	102	107	91	113	100·0	108·8
10	95	112	103	108	90	115	91	113	102	111	102	110	91	113	101·4	109·1
11	105	111	102	111	92	119	88	112	107	107	104	111	94	114	102·7	108·9
Noon	100	113	100	111	87	112	93	116	101	107	106	109	100	118	101·4	108·4
13h	93	111	91	109	85	115	94	114	105	112	106	106	93	116	100·9	107·7
14	100	114	93	110	88	113	93	110	99	107	106	108	100	117	101·6	107·8
15	100	113	92	108	87	113	91	109	102	110	104	110	100	115	100·7	106·4
16	97	114	95	113	87	113	93	107	100	108	102	108	100	113	99·1	106·8
17	100	113	93	111	88	112	93	107	102	110	104	106	96	109	99·0	107·4
18	96	109	96	109	95	108	92	108	100	106	102	106	96	109	98·7	107·3
19	97	107	95	107	98	110	92	111	100	105	100	104	102	108	99·1	106·2
20	97	107	98	106	96	108	94	114	100	104	100	108	97	108	98·3	105·8
21	97	107	94	109	95	108	95	111	98	107	100	109	97	108	98·9	105·9
22	97	107	95	107	96	106	95	112	100	104	100	106	96	109	99·0	105·2
23	97	106	97	105	96	110	96	109	100	105	98	108	100	112	99·0	106·1

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of MARCH 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour. Mauritius Standard Time.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	21d.	22d.	23d.	24d.	27d.	28d.	29d.	Hour. Mauritius Standard Time.
	poin	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	
Midnight	8	6	5	5	4	8	8	20	22	22	2	6	9	6	6	5	4	5	Midnight
1h	6	6	5	5	6	7	11	20	21	22	2	6	9	6	6	5	4	6	1h
2	6	3	5	5	8	8	9	19	21	22	6	6	9	6	6	4	5	8	2
3	6	3	4	5	9	5	10	19	20	22	6	6	9	6	6	4	5	6	3
4	6	3	4	5	6	8	10	19	21	22	6	6	9	6	6	4	5	8	4
5	6	3	4	5	6	4	13	19	21	22	6	5	6	6	6	4	8	7	5
6	6	3	4	5	6	6	14	18	20	22	6	5	6	6	6	4	4	5	6
7	6	5	4	4	6	6	14	19	20	22	6	5	6	6	6	4	4	6	7
8	7	5	4	4	6	4	14	19	21	22**	6	6	6*	6	6	7	4	8	8
9	10	8	12	12*	6	7	13	19	22	15	8	10	14	6	5	4	5	9	9
10	8	20*	12	16	6	10	14	18	17	15	6	7	15	11	8	5	5	9	10
11	10	23	13	20	11	6	14	20	18	14	6	8	15	18*	8	6	4	12	11
Noon	8	27	13	24	9	6	15	21	19	14	6	9	18	20	9	4	6	9	Noon
13h	7	21	12	23	7	6	15	20	20	15	6	11	21	22	10	4	6	10	13h
14	10	19	14	23	6	7	15	21	22	14	5†	10	22	25	8	4	5	7	14
15	9	24	16	25	14	7	19	20	22	14**	6	12	20	26	25**	4	4	9	15
16	8	30	16	25	12	8	19	22	22	1	5	8	21	27	5	4	4	8	16
17	6	1	16	26	9	8	15	21	22	29	5	8	20	27	5	4	4	9	17
18	7	4	16	26	10	6	14	20	22	29	4	9	19	4	6	5	4	8	18
19	6	4	19	1	8	7	16	18	22	29	5	9	20	10	6	7	5	8	19
20	6	4	19	2	8	7	16	23	22	29	4	9	15	4	5	6	6	8	20
21	5	4	19	2	8	7	15	21	22	29	4	9	15	4	6	5	6	7	21
22	6	4	19	4	8	8	20	21	22	3	4	9	15	4	6	5	6	8	22
23	4	4	6**	4	8	7	20	20	22	2	6	9	15	6	6	6	6	8	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of 9ins., 6ins. and 3ins respectively at INTERVALS of three HOURS between 3h. and 21h. during of the MONTH of MARCH 1915.

Day of the Month.	9ins.							6ins.							3ins.							Day of the Month.
	3h.	6h.	9h.	12h.	15h.	18h.	21h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	
1d	87°·74	86°·94	86°·44	85°·84	86°·14	87°·39	88°·14	87°·03	85°·63	85°·23	85°·34	87°·33	89°·62	89°·38	84°·29	82°·41	82°·59	89°·19	94°·84	93°·84	89°·59	1d
2	87·54	86·74	86·34	85·94	86·24	87·54	88·34	86·78	85·58	84·93	84·83	87·23	89·61	89·52	83·51	81·69	81·89	87·49	95·54	94·41	89·94	2
3	87·89	87·02	86·34	85·84	85·95	86·92	87·56	86·93	85·78	84·93	84·85	86·55	88·33	88·37	83·99	82·09	81·78	87·07	92·23	91·97	88·84	3
4	86·88	86·22	85·59	84·54	84·44	84·64	84·75	85·75	84·85	82·28	82·58	83·35	84·23	84·31	82·67	81·73	79·49	82·57	84·56	84·89	83·19	4
5	84·24	83·83	83·44	83·16	83·34	84·24	85·04	82·95	82·53	82·05	82·13	83·73	85·73	85·83	80·47	79·51	79·57	82·81	89·09	89·99	85·39	5
6	83·54	84·04	83·74	83·36	83·64	84·86	86·94	83·83	82·83	82·23	82·17	84·53	86·83	86·86	80·49	78·99	79·34	83·67	92·94	92·29	87·19	6
7	85·64	84·74	84·24	83·79	84·09	84·54	85·14	84·73	83·43	82·63	82·78	83·98	85·38	85·63	81·49	79·34	79·64	82·69	82·79	88·69	85·64	7
8	84·64	84·14	83·56	83·26	84·04	85·54	86·49	83·63	82·63	81·93	82·13	85·23	87·88	87·97	79·79	78·39	75·84	83·89	94·89	93·56	89·39	8
9	86·29	85·74	84·84	84·54	85·05	86·56	87·24	85·58	84·51	83·33	83·73	85·91	88·33	88·25	82·59	80·54	80·59	87·89	94·64	91·94	88·99	9
10	86·86	86·44	85·84	85·64	85·43	85·44	85·24	86·33	85·45	84·73	84·73	85·03	84·83	84·43	83·81	82·69	82·99	82·99	85·07	83·19	81·89	10
11	84·24	83·34	82·04	81·52	80·74	80·54	80·44	82·25	80·48	79·37	79·03	78·93	78·95	78·73	79·39	76·89	75·98	76·51	76·89	76·99	75·99	11
12	79·41	78·24	77·52	77·54	77·74	78·34	78·94	77·13	74·73	75·53	75·33	76·83	78·03	78·53	74·79	73·79	75·09	74·89	79·29	79·79	77·99	12
13	78·94	78·94	78·86	78·84	79·34	80·24	80·99	77·93	78·03	77·63	78·13	79·78	81·73	82·03	76·49	75·69	76·93	80·41	86·29	86·09	83·24	13
14	81·24	80·94	80·84	80·79	81·54	82·92	83·84	80·73	80·23	79·88	80·53	83·33	85·43	85·48	79·24	78·24	78·84	86·71	92·79	91·09	86·79	14
15	83·74	83·09	82·64	82·34	82·82	84·14	84·86	83·13	82·13	81·43	82·03	84·03	86·15	85·73	80·39	78·99	79·14	86·79	92·89	89·81	85·99	15
16	84·54	83·92	83·36	83·14	83·63	84·23	85·74	83·85	82·95	82·33	82·73	85·13	87·41	87·23	80·99	79·89	80·19	87·04	93·47	91·49	88·09	16
17	85·34	84·69	83·99	83·49	83·79	84·59	85·14	84·66	83·35	82·68	83·33	84·68	86·63	86·43	81·74	80·09	80·54	87·79	91·39	90·39	86·24	17
18	84·64	84·04	83·74	83·34	83·51	84·77	85·68	84·13	83·13	83·53	82·63	84·73	87·09	86·73	81·24	79·59	79·89	86·49	93·24	91·09	86·89	18
19	85·54	84·40	83·99	83·49	83·59	84·29	84·84	84·41	83·33	82·63	82·63	84·84	85·73	85·13	85·09	79·89	79·94	84·69	90·03	88·49	83·99	19
20	84·09	83·40	83·14	82·64	82·94	83·64	84·24	83·23	82·33	81·81	81·83	83·31	85·13	85·13	79·89	78·49	78·99	83·69	88·64	88·19	84·84	20
21	83·74	83·14	82·66	82·39	82·74	84·14	84·74	82·93	81·93	81·33	81·53	83·83	86·23	86·15	79·64	78·19	78·44	84·69	93·83	90·64	86·99	21
22	84·54	84·02	83·44	83·08	83·44	84·74	85·64	83·77	82·83	82·03	82·23	84·22	87·11	87·33	80·49	79·01	79·39	85·29	92·47	92·99	89·41	22
23	85·62	85·04	84·44	84·16	84·56	86·06	87·04	85·22	84·15	83·35	83·65	86·13	89·03	88·98	83·14	81·09	80·99	87·39	96·59	94·11	90·44	23
24	86·64	86·14	85·49	85·04	85·22	86·14	86·54	86·23	85·08	84·23	84·58	86·23	87·15	86·73	83·49	81·69	81·89	88·19	91·79	89·09	86·19	24
25	85·74	85·14	84·54	84·44	85·01	86·24	86·94	84·93	84·03	83·48	84·23	86·38	88·13	88·88	82·19	80·99	81·09	90·29	94·54	91·64	88·19	25
26	86·49	85·69	85·14	84·87	84·95	85·94	86·84	85·53	84·68	83·95	84·32	85·83	87·90	87·48	84·09	81·59	82·29	88·49	94·11	92·34	87·39	26
27	86·26	85·54	85·24	84·81	84·79	85·82	86·36	85·53	84·51	84·13	83·93	85·53	87·28	87·03	83·33	82·02	81·87	85·35	91·79	90·69	86·69	27
28	85·74	85·19	84·34	83·99	84·24	84·54	84·44	84·53	83·82	82·90	83·03	84·33	84·24	83·63	81·39	80·59	80·34	85·59	90·52	88·09	85·99	28
29	83·84	83·04	82·74	82·49	82·54	82·74	83·04	83·43	81·73	81·48	81·63	82·31	83·03	83·05	80·69	78·89	79·69	81·64	83·59	83·69	81·99	29
30	82·07	82·44	82·24	82·14	82·70	83·69	84·44	81·88	81·51	81·43	82·08	84·13	85·61	85·36	79·89	79·29	80·19	86·24	90·79	88·99	81·99	30
31	84·07	83·54	83·34	83·12	83·42	84·44	85·09	83·61	82·81	82·45	82·73	84·53	86·13	86·03	81·49	80·49	80·59	85·59	91·14	89·49	86·49	31
Mean	84·79	84·19	83·68	83·34	83·60	84·51	85·18	83·95	82·94	82·32	82·50	84·26	85·96	85·88	81·36	79·77	79·87	84·97	90·41	89·35	85·87	Mean

* Direct. ** Retrograde † Direction changed one revolution (retrograde) from 13h. to 13½h.

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of MARCH 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.		River System No. 4.				River System No. 5.			
	Grand Gaube.	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte.*	Riche Fund.	Constance d'Arifat.	St. Julien.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
March 1d	Register not received.	...	...	0·19	0·10	0·20	...	...	0·02½	...	0·30	...	...	0·10	0·13	...
2		...	...	...	...	0·01	...	...	...	...	...	...	...	...	...	...
3		0·17	...	...	...	...	...	1·84	2·12	0·75	...	0·13	0·95	...	...	0·20
4		0·72	2·32	0·25	1·45	2·17	2·32	0·89	1·12	1·15	0·39	0·65	1·31	0·22	0·46	...
5		...	0·80	0·84	0·80	1·22	1·40	...	...	...	0·83	...	...	0·65	0·70	0·03
6		...	...	...	...	...	...	...	...	...	0·04	...	...	...	...	...
7		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9		...	...	...	...	...	...	...	...	0·02	...	...	0·05	...	...	...
10		0·84	0·81	...	...	...	0·16	0·95	1·17	2·10	...	0·80	1·95	0·30	...	2·20
11		3·15	5·06	1·06	1·20	0·51	1·16	5·55	5·35	7·06	1·59	4·45	5·13	4·00	2·68	4·46
12		0·12	0·23	4·99	4·50	2·08	3·86	0·86	0·80	1·88	6·65	2·03	3·37	4·25	7·66	0·72
13		...	...	0·45	0·40	1·91	1·56	...	0·02	1·53	0·96	...	1·03	0·80	2·71	0·13
14		...	...	0·03	...	1·46	...	...	...	...	0·20	...	...	...	0·52	...
15		0·27	...	...	...	0·01	...	0·05	0·03	0·07	...	0·03	0·85	...	...	...
16		0·02	...	...	...	0·44	...	...	0·06	0·03	...	0·03	0·11	1·00	0·07	...
17		0·02	...	0·01	0·05	0·27	...	...	0·14	0·26	...	...	0·50	0·25	...	...
18		...	0·06	0·06	...	0·18	0·16	0·02	0·10	0·18	0·08	...	0·15	...	0·20	...
19		0·29	0·35	0·14	0·30	0·12	0·12	0·20	0·11	0·55	0·05	0·25	0·83	...	...	0·24
20		...	0·44	0·41	§	0·07	0·06	0·06	0·18	0·16	0·52	...	0·06	0·31	0·31	...
21		...	...	0·06		0·02	0·30	0·17	0·22	...	0·03	...	0·17	...	...	0·05
22		...	...	...		...	0·20	0·18	0·30	0·20	0·04	0·48	...	...	0·05	...
23		...	...	...		...	0·24	0·11	0·92	0·08	0·08	1·64	0·12	...	0·65	0·63
24		0·42	...	...		...	1·40	0·02	0·23	2·32	0·14	0·05	1·11	0·31	0·15	0·09
25		0·06	0·18	0·20		...	0·12	0·04	0·12	1·12	0·47	0·24	1·29	1·47	0·16	0·04
26		0·42	0·16	...		...	0·10	0·65	0·52	0·48	1·27	...	1·55	0·20	0·16	0·12
27		0·20	...	0·30		0·01	0·28	0·05	0·06	...	0·75	0·55	0·15	1·27	1·35	...
28		0·86	1·01	...		...	0·18	2·02	2·73	1·42	0·05	0·70	1·53	0·08	...	0·24
29		0·09	0·56	1·13		...	2·52	0·08	0·32	0·35	0·87	0·18	0·30	1·00	1·16	...
30		...	...	0·58		...	0·48	...	0·02	...	0·22	...	...	0·09	0·26	...
31		...	...	...		...	...	0·02	0·05	0·17	0·10	...	0·10	...	...	...
Total ...	...	7·65	11·98	10·70	...	10·68	16·62	13·76	16·71	21·88	15·63	12·21	22·61	16·30	19·38	9·15

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record defective.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of MARCH 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarraque.	Beau Bois.	Bel Ombre.	Chamarel.	Clarens.	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins,	
March 1d	...	...	...	...	...	...	...	...	...	...	0·16	...	...	...	0·06	...
2	...	...	...	...	...	...	...	...	...	...	0·03	...	...	...	...	...
3	0·25	0·60	1·80	0·24	0·35	...	...	...	...	2.27	...	...	...	2·79	0·01	...
4	0·12	1·52	1·70	0·14	0·80	0·12	0·30	0·75	0·82	1·20	0·85	1·95	2·22	2·18	2·16	0·50
5	...	...	...	...	...	0·26	0·54	0·25	0·29	...	1·55	0·70	0·42	...	0·72	0·16
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·01	...
7	0·13	0·64	...	...	0·36	...	...	...	...	0·22	...	...	...	0·16	...	...
8	0·03	0·23	0·90	...	0·24	...	0·74	0·18	...	...	...	...	0·77	...	0·02	0·07
9	0·07	0·05	0·07	...	0·25	0·09	...	...	...	0·06	...	...	0·01	...	...	...
10	0·70	1·97	2·20	1·85	1·00	0·25	...	0·12	0·07	1·30	0·09	...	0·02	1·39	0·02	...
11	3·13	8·75	6·65	6·30	4·35	1·20	0·76	0·75	0·68	4·90	1·33	1·00	1·05	6·60	1·26	1·04
12	1·61	4·66	3·05	1·75	2·21	4·46	3·16	2·75	3·29	2·52	5·63	5·10	5·07	2·62	3·68	3·57
13	0·06	0·63	1·00	...	0·12	0·76	1·81	0·75	1·19	0·71	3·93	1·30	1·12	0·90	2·34	1·24
14	...	...	...	...	...	...	0·18	...	...	...	0·86	0·60	...	...	1·08	0·31
15	0·09	0·40	0·75	...	1·14	...	...	...	...	1·12	...	...	0·20	1·02	...	...
16	...	0·45	0·20	...	...	...	0·02	0·37	0·05	...	0·60	...	0·03	...	0·09	0·14
17	0·05	0·44	0·30	...	0·17	...	...	...	...	0·11	0·08	...	0·02	0·17	0·08	...
18	0·05	0·02	0·05	...	0·07	...	...	...	...	0·27	0·26	...	...	0·12	0·09	...
19	0·11	0·62	1·10	0·30	0·24	...	0·03	...	...	0·19	0·32	...	0·18	0·36	0·27	...
20	0·20	0·02	0·05	...	...	...	0·06	...	...	...	0·84	...	0·04	0·39	0·18	0·10
21	0·01	...	...	...	...	...	...	...	...	...	0·09	...	...	0·09	0·02	...
22	0·20	0·22	0·03	0·47	0·06	...	0·65	0·25	0·28	...	...	...	0·02	1·60	...	...
23	0·10	0·46	0·16	1·30	0·43	...	...	...	...	...	...	...	0·01	0·12	...	...
24	0·15	6·27	2·35	0·60	1·77	...	...	...	...	2·17	0·25	1·50	...	0·32	...	...
25	0·23	0·57	1·20	0·16	0·70	0·28	2·33	0·12	...	0·70	2·56	...	0·85	0·11	2·16	1·21
26	0·03	1·57	1·35	0·23	0·62	0·50	0·32	...	0·19	0·45	1·96	...	0·01	0·40	0·28	0·32
27	...	0·05	0·22	...	0·05	0·05	0·40	...	...	...	1·60	0·87	0·02	0·27	0·38	0·06
28	0·57	2·09	1·72	0·67	0·98	...	...	...	...	0·75	0·16	...	...	0·02	0·01	...
29	0·13	0·57	0·53	0·13	0·40	0·26	0·92	0·31	0·37	...	0·60	...	0·79	0·10	0·54	0·13
30	...	...	...	...	...	...	0·08	...	0·06	...	0·53	...	0·03	...	0·09	0·06
31	0·03	0·09	0·10	0·15	0·08	...	0·02	...	...	...	0·04	...	0·01	...	...	...
Total ...	8·05	32·89	27·48	14·29	16·39	8·23	12·32	6·60	7·29	18·94	24·32	13·02	12·89	21·73	15·55	8·91

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
MARCH 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending \ Day.	1d.	3d.	4d.	5d.	7d.	10d.	11d.	12d.	13d.	15d.	17d.	19d.	26d.	27d.	28d.	29d.	30d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	·020	...	...	·005	...	...	...	·310	...	...	...	...	...	...	...	·025	...
2	...	...	·160	·010	...	...	...	·090	...	...	...	...	...	...	...	·050	...
3	...	...	...	...	...	...	·005	·020	...	...	...	...	...	...	...	·140	...
4	·005	..	...	·005	...	...	·720	·380	·050	...	...	...	...	...	...	·130	·005
5	...	...	...	...	...	...	·530	·800	...	...	...	·020	...	...	...	·050	...
6	...	...	·040	...	...	...	·030	·880	·130	...	...	·010	...	...	...	...	...
7	...	...	...	...	...	...	·050	·200	...	...	...	...	...	·020	...	·005	...
8	...	...	·850	...	...	...	·050	...	...	...	·020	·020	...	...	...	...	...
9	...	...	...	...	...	...	·090	...	...	...	...	·020	...	...	...	·045	...
10	...	...	·060	...	...	...	·460	·010	...	...	...	...	...	...	...	·030	...
11	...	...	·010	...	·005	...	·080	·020	...	...	...	...	...	...	...	·130	...
Noon	...	...	·015	...	·005	...	·070	·030	...	...	...	...	·010	...	...	·005	...
13h	...	...	...	...	...	...	·050	·030	...	...	·080	...	...	...	...	...	...
14	...	...	...	...	...	...	·170	·120	...	...	...	...	...	...	·365	...	...
15	...	...	·040	...	·010	·020	·020	...	...	...	...	...	...	...	·025	...	...
16	...	...	·010	...	...	·030	...	·010	...	...	..	...	...	...	·010	...	...
17	...	...	...	...	...	·025	...	...	...	...	...	...	...	...	...	...	...
18	...	...	·015	...	...	·040	·110	...	...	...	...	...	...	...	...	...	...
19	...	...	·015	...	...	·010	·010	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	·010	...	...	...	...	...	...	...	...	·020	...	...
21	...	·600	...	...	...	·010	·015	...	...	·015	...	...	...	...	·010	...	...
22	·010	·020	·290	...	...	...	...	...	...	·030	...	·140	...	...	·005	·005	...
23	...	·020	·150	...	...	...	·075	...	...	...	...	·010	...	...	·010	·005	...
Midnight	...	...	·005	...	...	...	·580	...	...	...	...	...	...	...	...	·010	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1d.	3d.	4d.	7d.	10d.	11d.	12d.	13d.	15d.	16d.	17d.	18d.	19d.	20d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.
	ins.	ins.	ns.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	·12	...	·02	...	1·10	·38	...	...	...	·10	...	·08	...	...	·10	·06	·21	...		·05	·01	...
2	·02	...	·05	...	·02	...	·09	·16	...	...	...	...	...	...	...	...	.06	...	...	...		·05	...	...
3	...	...	...	...	...	·01	·05	·04	...	...	...	·02	...	...	...	...	·06	·02	...	·11		...	·01	...
4	...	...	...	...	...	·21	·29	...	...	·02	...	...	...	·02	...	...	·02	...	·04	...		·02	·03	...
5	...	...	...	...	...	·40	·30	...	...	...	...	...	·05	...	...	...	...	·18	...	·07		·02	...	...
6	...	...	...	...	...	·24	·64	...	...	...	...	...	...	...	...	...	...	·04	·01	...		...	·04	...
7	...	...	...	...	...	·04	·05	·05	...	...	...	...	...	·06	...	...	...	·10	...	...		·05	·02	...
8	...	...	·04	...	...	·02	·04	·08	...	...	...	...	·13	...	...	...	...	·04	...	...		·02	·04	...
9	...	...	...	...	...	·04	...	·02	...	...	...	...	...	...	...	...	...	·02	.02	·01		...	·18	...
10	...	...	...	·09	...	·28	·07	·01	...	...	...	...	...	...	...	...	...	·03	·02	...		...	...	...
11	...	...	·22	...	...	·38	·12	...	...	...	...	...	...	...	...	...	·40	·02	...	...		·01	...	..
Noon	...	...	·03	·02	...	·09	·06	...	...	...	...	...	...	...	...	...	·20	...	...	...	·40	·01	...	...
13h	...	...	...	...	·06	·03	·26	...	...	...	·01	...	...	...	...	...	·10	...	·01	...		...	...	...
14	...	...	...	...	·04	·12	·08	·01	...	...	...	...	...	...	...	...	·14	...	·01	...		...	...	...
15	...	...	...	...	·04	·04	·39	...	·18	...	...	...	...	...	...	...	...	...	...	...		...	...	·08
16	...	...	...	...	·02	·28	·02	...	·05	...	...	...	·01	...	...	·03	...	...	...	...		·04	...	...
17	...	...	·01	...	...	·02	·01	...	...	...	...	...	·01	...	...	...	...	...	...	...		·02	...	·01
18	...	...	·02	...	·01	·07	·01	...	...	...	...	...	·04	...	...	...	...	·03	...	...		...	...	·05
19	...	...	·01	...	·05	...	...	...	·35	...	...	...	...	...	·04	...	...	...	...	...		...	·22	·02
20	...	...	·21	...	·02	...	...	...	·05	·01	·03	...	...	...	...	...	...	...	·09	...		...	...	·01
21	...	...	·06	·02	...	...	...	...	...	·03	...	...	...	...	...	...	·03	...	.01	...		...	...	·01
22	·02	...	·06	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·03	·01	...		...	...	·01
23	...	...	·07	...	...	·06	...	...	...	...	·02	...	...	...	...	...	·07	...	·10	...		...	...	...
Midnight	...	·21	·10	...	...	·20	·13	...	...	...	...	...	·02	...	...	...	...	...	...	...	·51	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of MARCH, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	8·27	6·52	15
	2	Union §	200	...	...	...
	3	St. Antoine ...	50	7·65	8·33	15
	4	Bel Mont	50	8·46	9·22	11
	5	Poudre d'Or ...	20	8·58	7·88	11
	6	Poudre d'Or Hospital	10	7·30	6·31	10
	7	Mon Loisir (R) ...	300	8·90	8·39	12
	8	Mon Loisir (S.E.) §.	300	...	...	...
	9	Forbach	300	8·80	6·02	13
	10	Labourdonnais ...	290	11·98	10·19	12
	11	Beau Séjour ...	300	10·70	12·89	16
	12	Mont Piton ...	860	13·07	12·55	18
	13	Mon Choix... ...	700	13·27	11·91	13
	14	Antoinette	640	11·15	11·95	18
	15	California	850	6·89	12·42	9
	16	Nouvelle Découverte	1,400	10·68	14·56	16
	17	Mon Songe... ...	620	14·29	13·12	18
	18	La Grande Rosalie ...	643	9·05	11·96	9
	19	The Mount... ...	325	9·84	9·35	11
	20	Botanical Gardens ‡	225	...	10·46	...
	21	Beau Plan § ...	195	...	...	...
	22	The Observatory ...	179	10·19	9·29	17
	23	Solitude	175	8·15	7·52	8
	24	St. André	90	8·90	8·02	7
	25	Belle Vue Harel ...	350	9·36	6·24	13
	26	Mont Choisy ...	10	9·26	6·95	13
2&3	1	Union (Régnard) ...	600	16·94	12·27	20
	2	La Grande Retraite..	350	14·86	13·20	20
	3	Constance d'Arifat...	100	13·76	12·65	19
	4	St. Julien P.O. ...	1,050	16·71	15·61	24
	5	Rich Fund * ...	600	16·62	...	19
4	1	Sans Souci	900	21·88	20·43	21
	2	Etoile	400	15·63	15·98	22
	3	Beau Champ ...	20	12·21	9·69	15
	4	Belle Rive * ...	400	14·45	...	17
	5	Olivia *	400	12·62	...	13
	6	Deep River ...	350	18·22	...	16
5	1	Rose Belle	850	22·61	...	22
	2	Cent Gaulettes ...	800	26·86	21·83	21
	3	St. Hubert * ...	400	32·26	...	15
	4	Riche-en-Eau ...	1,200	16·30	14·69	17
	5	Ferney	60	19·38	15·44	18
	6	Beau Vallon (R) ...	1,200	9·15	9·75	13
	7	Union Vale... ...	200	16·50	13·99	15
	8	Mon Désert(Carié).§	75	...	...	...
	9	Riche Bois... ...	1,420	17·33	17·74	...
6	1	Kanaka	2,000	27·39	21·41	15
	2	Tivoli ...	1,300	26·18	21·31	22
	3	La Flora	1,050	27·48	...	23
	4	Britannia (No. 1)...	730	32·89	16·72	24
	4 a	Britannia (No. 2) †	600	14·42	...	...
	5	Gros Bois	500	16·41	12·99	23
	6	Savannah (Residence)	200	11·73	18·18	14
	7	Savannah, (Mill) ...	200	12·08	16·11	16
	8	St. Aubin	300	8·05	11·73	23
	9	Union Bel Air ...	90	13·35	11·19	17
	10	Beau Bois	350	16·39	16·07	22
	11	Labarracq * ...	250	14·29	...	14
	12	St. Avold * ...	900	24·21	...	21
	13	Terracine *... ...	100	11·28	...	19
7,8&9	1	Bel Ombre * ...	50	8·23	...	11
	2	Chamarel ...	400	12·32	10·21	16
10		No returns ...				
11	1	Les Gorges... ...	...	10·11	10·00	22
	3	Curepipe Gardens ...	1,840	16·91	17·96	23
	4	Mare-aux-Vacoas ...	1,850	24·32	21·14	23
	5	La Marie Filter Bed.	1,700	18·98	18·01	22
	6	Réunion	1,420	18·94	14·79	16
	7	Tamarin *	150	7·29	...	11
	8	Clarens *	150	6·60	...	11
12	1	The Manse ...	850	12·15	10·51	15
	2	The Bower	1,080	14·45	12·23	18
	3	Le Réduit (D.of A.)	1,000	12·89	13·10	21
	4	Alma	1,460	21·73	20·16	21
	5	Minissy	1,150	15·09	13·72	13
	6	Bagatelle ...	1,250	21·07	16·50	18
	7	Highlands	1,300	23·90	16·79	20
	8	Trianon	950	14·93	11·33	12
	9	Salency	923	13·02	11·62	8
	10	Military Camp (V.)..	1,370	15·55	14·77	23
	11	La Ferme * ...	350	8·91	...	14
	12	Bon Air	1,050	14·88	12·19	12
	13	Val Ory	1,100	13·44	12·15	19
13	1	Salines(Roche Bois)§	10	...	...	...
	2	The Albion Dock ...	18	8·06	7·17	13
	3	Line Barracks ...	10	5·49	8·10	14

‡ Record defective § Record not received † Bon Acceuil.
* Normals not available

TABLE XV.—STATE of SEA on the reefs at eight STATIONS round the COAST of MAURITIUS.

(*The direction of the wave, if any, is given for Port Louis only.*)

Day 1915.	Port Louis (N. to W.N.W.)	Trou aux Biches (N. to S.W.)	Grand Gaube (N. to S.E.)	Poudre d'Or (N.N.E. to E.S.E.)	Old Grand Port (E. to S.E.)	Souillac (South)	Baie du Cap (S.S.W.)	Case Noyale (W. to S.W.)
March 1	...	calm	...	calm	calm	calm	calm	calm
2	...	"	calm	"	"	"	"	"
3	...	"	"	...	"	"	light	light
4	...	"	"	calm	...	mod.	calm	calm
5	...	mod.	light	...	light	calm	"	"
6	...	heavy	calm	calm	calm	"	"	"
7	...	mod.	"	"	"	"	"	"
8	...	light	...	"	...	"	light	light
9	...	calm	calm	"	calm	mod.	"	"
10	light (N)	"	"	"	"	"	calm	calm
11	"	light	"	"	light	calm	light	light
12	heavy (N.W.)	heavy	"	mod.	"	"	heavy	heavy
13	heavy (w.)	trem.	light	calm	...	"	...	...
14	...	mod.	calm	"	calm	"	...	...
15	...	"	"	"	"	"	light	light
16	...	calm	"	"	"	"	"	"
17	...	"	"	"	"	"	"	"
18	...	"	"	"	"	"	calm	calm
19	...	"	"	"	"	"	"	"
20	...	"	"	"	light	"	"	"
21	...	"	"	"	calm	"	light	light
22	...	"	"	"	"	"	"	"
23	...	"	"	"	"	"	"	"
24	...	"	"	"	"	"	calm	calm
25	...	mod.	"	"	"	mod.	light	light
26	slight breakers from (W)	"	"	"	"	"	calm	calm
27	...	calm	"	"	"	calm	light	light
28	swell from N.W.	light	"	"	"	"	calm	calm
29	"	"	"	"	"	"	mod.	mod.
30	"	"	"	"	"	"	"	"
31	swell from N.N.W.	mod.	"	"	"	"	light	light

TABLE XVI.—DAILY OBSERVATIONS received by CABLEGRAM from the reporting station at RODRIGUES in charge of the SUPERINTENDENT of the EASTERN TELEGRAPH COMPANY.

Day 1915.	Barometric Pressure at 9 a.m. (corrected for Temperature.)	Wind. Direction at 9 a.m.	Wind. Number of miles run for 24 hours.	Amount of Rain measured at 9. a.m.	Weather.
	ins.		miles.		
March 1	29·822	E.S.E.	216	·28	fine.
2	843	E.b.N.	221	·00	fine; clear.
3	851	E.b.N.	258	·00	"
4	861	E.	329	·00	fine.
5	907	E.	287	·00	cloudy.
6	830	E.N.E.	260	·00	fine; clear
7	795	E.N.E.	237	·00	"
8	857	E.N.E.	254	·00	fine.
9	873	N.E.b.E.	173	·00	fine; clear
10	830	N.E.	100	·00	cloudy.
11	847	E.b.N.	123	·00	fine; clear.
12	908	E.b.N.	373	·53	cloudy; occ: rain.
13	915	E.b.N.	390	·00	fine.
14	949	E.N.E.	335	·00	fine; clear
15	937	E.b.N.	323	·01	"
16	952	E.S.E.	223	·15	"
17	957	E.b.S.	272	·04	"
18	914	E.S.E.	200	·03	fine.
19	957	S.E.b.S.	212	·01	fine; clear.
20	909	S.E.b.S.	222	·03	"
21	908	S.E.	247	·10	cloudy; occ: rain.
22	841	E.	221	·44	fine; clear.
23	815	E.b.N.	180	·01	"
24	876	S.E.b.E.	116	·00	"
25	927	E.b.N.	170	·00	"
26	853	S.E.	155	·00	fine.
27	815	S.	105	·13	cloudy.
28	807	E.	167	·01	cloudy; occ, rain.
29	849	E.N.E.	216	·07	fine.
30	799	E.b.N.	264	·16	"
31	840	E.b.N.	244	·07	cloudy.
Mean	29·872	...	229	2·07	.....

THE CYCLONES OF MARCH IN THE NEIGHBOURHOOD OF MAURITIUS.

There were indications of four cyclones in the South Indian Ocean during the month of March, but the track of only one of them has been satisfactorily determined. The cyclones occurred as follows : (1) March 4 to 5 passed North of Mauritius : (2) March 10th. West of Mauritius (3) March 11th. formed North and passed between Mauritius and Réunion (4) March 27th. to 29th, indications of disturbed weather to N. W. Cyclone No. 3 appears to have formed during the afternoon of the 11th. in Latitude 17 S. and Longitude 58 E. and in all probability originated as a secondary in the disturbed area caused by the existence of a cyclone in the vicinity of Madagascar. A violent thunderstorm occurred during the passage of this cyclone.

As will be seen from the table giving the hourly readings of the barometer there was practically no fall in excess of the diurnal variation up to 3 p.m. and pressure was still above normal at 6 p.m. on the 11th. ; the sea wave was not distinctly felt at Port Louis until 3 p.m. on the same day.

The probable track of this storm is shown on the chart. Observations made on board ships trading in the South Indian Ocean are given in the following tables :

March 10th.

Register Number of Vessel.	Position at Noon.		Barometric Pressure.			Maximum Temperature. (Fah).	Wind Direction and Force.			Remarks.	
	Long. (E.)	Lat. (S.)	9 h.	Noon.	15 h.		9 h.	Noon.	15 h.		
	°	°	ins.	ins.	ins.						
15191	16¼	61	29·99	29·98	29·94	84	Var.	Var.	Var.	c.f.	mod. S.W. Swell
15192	18½	54		29·72		82	N.N.W.	N.N.W.	N.E. by N.	c.q.r.	heavy N.W. Swell.
15193	25½	46	30·07	30·06	30·02	80	E.S.E. (5)	E.S.E. (5)	E.S.E. (5)	c.f.	rough sea
15195	12¼	47¼		29·90	29·84	...	calm	E.N.E. (1)	Var	c.p.	

March 11.

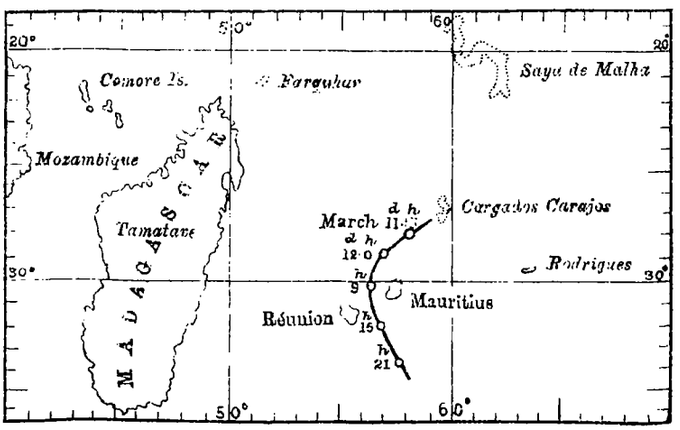
15191	19½	57½	29·97	29·97	...	83	E. by S.	E. by S.		c.f. :	c.r.
15192	20	53¼		29·88	29·87	82	E.S.E.	E.S.E.	E.S.E.	o.q.r.	heavy E.S.E. Swell.
15193	24¼	49	30·03	30·03	30·01	83	E. (4)	E. (4)	E (4)	c.f. :	S.E. Swell.
15195	16¾	47½	29·94	29·94	29·91	...	S. (5)	S. (5)	S.W. (5)	c.q. :	mod. N.E. Swell.

March 12.

15191	...	...	...	...	...						Anchored in Mauritius.
15192	20½	54	29·82	29·88	29·82	82	S.S.E.	S.W.	South	o.q.l.	moderate sea.
15193	22½	52	29·97	29·94	29·90	85	S.E.	S.E.	S.E.	c.p.q.	S.E. Swell.

It has generally been considered at Mauritius that until pressure was at least 0·1 in. below the normal for the time of year no cyclone came within a time distance of 24 hours (direct approach). Even in the cyclone of April 29 1892, the rate of travelling of which was without precedent, the pressure was more than 0·1 in. below normal for 76 hours * previous to the passage of the centre over Port Louis. In the present cyclone of March 11th. to 12th. the centre was within a time distance of 5 hours from the Observatory when pressure reached the limit referred to above. The storm travelled at a velocity of about 17 miles per hour.

Approximate track of Cyclone of March 11.12.1915



* 30 hours, had the cyclone approached directly without curving.

New Series (Monthly). Vol. I. Part 4. Price Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(Latitude 20°5′39″ S.—Longitude 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

APRIL, 1915

A. WALTER, F. R. A. S.

Director.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS

1915.

NEW SERIES (MONTHLY). VOL. I. PART 4. PRICE RS. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

APRIL, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1915.

Month and Day. 1915.	Barometric Pressure.		Temperature of the Air.					Temperature of Evaporation.	Temperature of the Dew Point.		Degree of Humidity (Saturation=100).		Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall.		Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	Mean	Excess above Average.	Highest.	Lowest.	Range.	Mean.	Excess above Average.		Mean.	Excess above Average.	Mean.	Excess above Average.			Amount recorded by the Beckley Pluviograph.	Duration.		
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
April 1	29·720	−·060	84·6	78·6	6·0	80·7	+4·2	78·0	76·2	+ 6·4	86	+ 6	·902	76·0	0·120	40	·360	8·6
2	29·707	−·075	85·2	76·1	9·1	80·1	+3·6	77·7	76·0	+ 6·2	87	+ 7	·896	73·1	0·430	70	·200	9·3
3	29·751	−·033	85·5	77·1	8·4	80·3	+3·9	77·7	75·9	+ 6·2	86	+ 6	·893	74·7	0·140	15	·170	6·1
4	29·785	−·001	84·3	72·6	11·7	78·6	+2·3	74·9	72·2	+ 2·6	81	+ 1	·789	68·3	0·080	15	·110	6·1
5	29·739	−·049	85·8	70·9	14·9	77·5	+1·3	73·7	71·2	+ 1·7	81	+ 1	·763	65·0	0·000	...	·170	2·6
6	29·705	−·085	85·1	70·7	14·4	77·9	+1·8	75·1	73·1	+ 3·7	85	+ 5	·813	65·7	0·060	25	·170	6·3
7	29·748	−·044	85·6	70·2	15·4	77·3	+1·3	73·4	70·7	+ 1·4	81	+ 1	·750	63·5	0·175	55	·175	3·2
8	29·785	−·009	84·0	70·2	13·8	77·4	+1·5	73·1	70·0	+ 0·8	79	− 1	·732	64·4	0·035	20	·215	3·6
9	29·753	−·043	84·7	72·7	12·0	78·3	+2·4	74·7	72·2	+ 3·0	82	+ 2	·789	67·6	0·090	40	·170	5·5
10	29·832	+·035	84·7	72·7	12·0	78·4	+2·6	75·2	72·9	+ 3·8	84	+ 4	·807	70·4	0·200	20	·200	5·8
11	29·855	+·056	81·3	72·2	9·1	76·3	+0·6	72·9	70·5	+ 1·5	82	+ 2	·744	68·5	0·205	30	·205	4·5
12	29·788	−·013	81·7	71·7	10·0	76·5	+0·9	71·9	68·6	− 0·3	77	− 3	·698	64·9	0·140	35	·210	4·0
13	29·745	−·058	82·9	70·2	12·7	75·7	+0·2	71·9	69·0	+ 0·2	80	0	·707	65·7	0·010	10	·130	4·0
14	29·772	−·033	81·7	69·0	12·7	75·9	+0·5	72·5	70·0	+ 1·3	82	+ 2	·732	63·4	0·000	...	·140	3·4
15	29·810	+·003	83·0	71·9	11·1	77·1	+1·8	73·4	70·8	+ 2·2	81	+ 1	·752	68·0	0·015	5	·165	3·9
16	29·826	+·017	83·5	72·2	11·3	77·0	+1·7	73·0	70·2	+ 1·8	80	+ 1	·737	68·7	0·000	...	·180	2·9
17	29·835	+·023	82·6	71·7	10·9	76·6	+1·4	72·1	69·0	+ 0·7	77	− 2	·707	65·6	0·000	...	·200	2·4
18	29·835	+·021	82·6	72·4	10·2	76·3	+1·2	71·4	67·9	− 0·3	75	− 4	·681	66·2	0·010	10	·190	3·6
19	29·848	+·032	81·8	71·2	10·6	75·7	+0·7	70·2	67·3	− 0·8	73	− 6	·667	66·0	0·000	...	·180	4·6
20	29·828	+·010	82·6	68·8	13·8	75·3	+0·4	71·2	68·2	+ 0·2	79	0	·688	61·6	0·005	5	·155	5·6
21	29·797	−·023	83·0	72·6	10·4	76·7	+1·9	72·6	69·6	+ 1·7	79	0	·722	69·7	0·085	15	·165	5·1
22	29·798	−·024	82·2	71·1	11·1	75·9	+1·2	71·4	68·1	+ 0·3	77	− 2	·686	67·1	0·000	...	·150	4·2
23	29·787	−·038	82·5	69·5	13·0	75·9	+1·3	71·5	68·3	+ 0·7	77	− 2	·691	62·2	0·030	15	·190	4·4
24	29·750	−·077	82·5	69·5	13·0	73·8	−0·7	71·5	69·7	+ 2·3	87	+ 8	·724	62·2	0·240	100	·056	5·0
25	29·742	−·088	82·5	67·1	15·4	73·7	−0·7	71·5	69·9	+ 2·6	88	+ 9	·729	61·1	0·380	50	·140	5·6
26	29·783	−·049	82·1	66·8	15·3	73·3	−1·0	70·3	68·1	+ 0·9	84	+ 5	·686	61·3	0·020	5	·120	3·5
27	29·760	−·074	82·1	64·8	17·3	73·4	−0·8	68·8	65·5	− 1·6	76	− 3	·627	59·7	0·000	...	·170	2·0
28	29·774	−·063	82·5	68·5	14·0	75·2	+1·1	71·2	68·3	+ 1·3	79	0	·691	62·6	0·000	...	·170	4·5
29	29·775	−·064	81·6	69·6	12·0	75·1	+1·2	72·4	70·4	+ 3·6	86	+ 7	·742	61·8	0·310	35	·077	6·9
30	29·752	−·089	83·4	70·7	12·7	76·0	+2·2	73·5	71·7	+ 5·0	87	+ 8	·775	66·8	0·030	30	·120	4·6
Mean	29·779	−·030	83·2	71·1	12·1	76·6	+1·3	73·0	70·4	+ 2·0	81·3	+1·8	·744	66·2	Sum 2·810	Sum 645	·168	4·7
Average	29·809	...	82·1	70·0	12·1	75·3	...	71·3	68·4	...	79·5	...	·694	64·9	4·580	1628	·166	5·2
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of April.

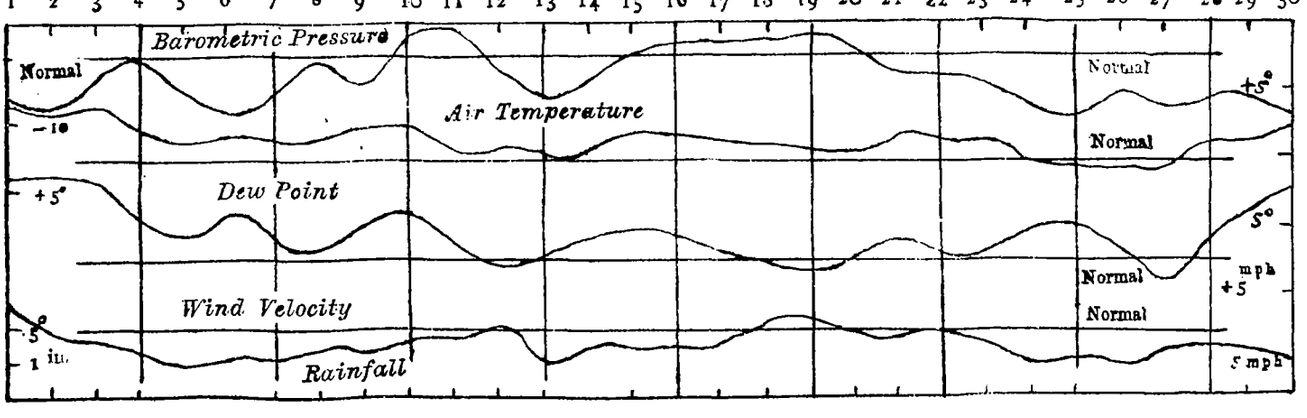


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
April 1	5·1	43	+ 1·1	+ 14·3	94	14·3	+ 20	+ 5·9	14·5	+ 4·1	77·86	81·4	84·38	84·41	84·60	c. : f. : c.p.q. : o.g.l.p.
2	7·6	64	+ 7·4	+ 5·9	141	9·4	+ 67	+ 1·0	10·0	− 0·4	77·86	81·4	83·97	84·05	84·23	o.g.l.p.: o.g.p.q.
3	8·9	75	+ 5·9	+ 5·3	138	8·0	+ 64	− 0·4	8·3	− 2·1	77·86	81·9	83·59	83·54	83·26	c. : c.p. : c. : f.
4	10·4	88	+ 2·8	+ 5·8	116	6·4	+ 43	− 2·0	6·8	− 3·6	77·61	81·5	83·50	83·64	84·13	c.f.p. : c. : f. : b.
5	9·9	84	− 0·5	− 0·8	302	0·9	+ 229	− 7·5	4·5	− 5·9	77·86	81·4	83·85	84·14	85·35	b. : f. : b.
6	6·9	58	− 2·4	− 4·0	301	4·7	+ 228	− 3·8	6·3	− 4·1	77·76	81·7	84·25	84·33	84·72	b. . f. : c. : b.
7	9·8	83	− 2·7	+ 0·7	14	2·8	− 58	− 5·7	5·8	− 4·7	77·86	81·4	84·41	84·53	84·78	b. : f. : op.
8	10·9	93	− 5·5	+ 5·5	45	7·8	− 27	− 0·7	7·8	− 2·7	77·86	81·4	84·21	84·21	84·60	f. : c.p: f.:c.p.: b.
9	9·5	81	+ 1·3	+ 4·2	107	4·4	+ 35	− 4·1	6·6	− 3·9	77·71	81·4	84·09	84·24	84·71	b. : c. : f. : c.p. : f. :clp
10	8·7	74	+ 1·4	+ 8·0	100	8·1	+ 28	− 0·4	8·7	− 1·8	77·86	81·5	84·30	84·36	84·72	c.l.p.t. : c. : f.l.:clt.
11	7·1	61	− 1·7	+ 8·3	78	8·4	+ 7	− 0·2	8·9	− 1·6	77·76	81·4	83·44	83·01	81·99	f. : c.p. : c. : b. :b.l.
12	9·3	79	− 4·9	+ 8·8	61	10·1	− 10	+ 1·5	10·9	+ 0·4	77·96	81·4	82·56	82·32	82·49	b.l.: c. :cltq: f.q. : b. clp
13	7·1	61	− 3·5	+ 4·3	51	5·5	− 20	− 3·1	6·2	− 4·4	77·86	81·4	82·58	82·27	81·89	b. : f. : c. : f. : b.
14	10·5	91	− 3·1	+ 6·7	65	7·4	− 6	− 1·2	7·8	− 2·8	78·06	81·6	81·99	81·57	81·59	b. : f. :c.p.: b.
15	8·4	72	− 1·6	+ 7·5	78	7·7	+ 8	− 0·9	8·1	− 2·5	77·96	81·6	82·27	82·28	83·26	f. : c. : f. : b.
16	10·2	88	− 1·1	+ 7·4	82	7·5	+ 12	− 1·1	7·7	− 2·9	77·86	81·6	82·89	83·04	84·24	b. : f. : b.
17	10·5	91	− 2·5	+ 7·4	71	7·8	+ 1	− 0·8	8·1	− 2·5	77·86	81·2	83·46	83·73	84·31	b. : f. : b.
18	11·0	95	− 4·5	+ 10·4	67	11·3	− 3	+ 2·7	11·6	+ 1·0	78·06	81·3	83·62	83·64	83·92	f. :c.p.: f.q. : b.
19	6·6	57	− 4·6	+ 11·0	67	11·9	− 2	+ 3·3	12·1	+ 1·5	78·06	81·3	82·99	81·24	81·95	f. : c. : f.q. :c.q: f.
20	6·8	59	− 4·8	+ 8·2	60	9·5	− 9	+ 0·9	9·7	− 0·9	77·86	81·2	82·05	81·62	81·79	b. : c. :o.g.: c. : f.
21	8·8	77	− 5·3	+ 8·3	57	9·8	− 12	+ 1·2	10·1	− 0·5	77·91	81·6	82·28	82·44	83·17	f. :c.p: c.f. : f.l.
22	9·3	81	− 4·5	+ 9·1	64	10·2	− 5	+ 1·6	10·3	− 0·3	78·06	81·4	82·27	82·15	82·49	f. : b. : c. : f.
23	10·6	92	− 5·0	+ 7·1	55	8·7	− 14	+ 0·1	8·9	− 1·7	77·96	81·1	82·15	82·03	82·77	f. : c.p. : f. :cp.
24	5·5	48	− 3·1	+ 2·1	34	3·7	− 34	− 4·9	5·5	− 5·1	78·16	81·4	82·09	81·68	80·69	f. : b. :cpt.: op: c.
25	7·8	68	− 2·3	+ 1·2	28	2·6	− 40	− 6·0	6·0	− 4·6	78·16	81·4	80·61	80·17	79·85	f. : c.g.p. : f.
26	7·3	64	− 2·3	+ 3·6	57	4·2	− 11	− 4·5	5·6	− 5·0	78·06	81·4	80·09	79·49	78·42	f. : c.p. : b.
27	10·7	94	− 4·5	+ 5·6	51	7·3	− 17	− 1·4	7·5	− 3·1	78·06	81·0	79·35	78·95	79·46	b. : f. : b.
28	10·4	91	− 2·8	+ 7·1	68	7·6	0	− 1·1	8·0	− 2·5	78·01	80·9	80·38	80·38	81·14	c. : f. : b.: f.
29	4·5	39	− 1·5	+ 6·0	76	6·2	+ 9	− 2·5	6·7	− 3·8	78·16	81·2	80·68	80·31	79·70	f. : c.p.
30	7·5	66	− 1·9	+ 4·6	68	5·0	+ 1	− 3·7	5·7	− 4·8	78·06	81·4	80·42	80·28	80·37	f. : b. : f. : c. : f.
Mean -	8·59	73·9	− 1·89	+ 5·99	72·5	6·28	+ 2·1	− 2·28	8·16	− 2·35	77·93	81·39	82·62	82·43	82·69	...
Average	7·72	66·4	− 2·87	+ 8·06	70·4	8·56	...	...	10·51	...	77·92	80·52	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Pressure was variable during the month and below normal except on the 10th. and 11th. and from the 15th. to the 20th.

The highest dew point temperature was 78°·5 at 14h on the 3rd. ; and the lowest 62°·9 at 6h on the 27th.

The highest relative humidity was 97·0 % at 5h on the 30th. ; and the lowest 55·5 % at 13h on the 18th.

Lightning was seen on the 1st., 2nd., from the 9th. to the 12th. and on the 21st. Distant thunder was heard on the 10th. and 12th.

Following on the shortage of rain at the beginning of the season the defect in April (amounting to 39% of the average fall for the whole Island) is likely to give rise to a serious check on the growing crops : the northern, western and south-western districts have again suffered most.

The temperature continues to be favourable : it was above normal on all days except from the 24th. to the 27th. inclusive, the excess above average of the mean daily temperature being 1°·3. The relative humidity was 1·8% above normal in spite of the shortage of rain.

The rainfall for the month was 39% below normal at the Observatory. The percentage variation from the normal in other parts of the Island was as follows :—

Northern Districts	River System 1,	44 % below normal
Eastern Districts	,, ,, 2, 3, 4.	35 % below ,,
South-Eastern Districts	,, ,, 5, 6	28 % below ,,
Western Districts	River System 11	64 % below
	,, ,, 12	44 % below
	,, ,, 13	18 % below

* South (0°) ; East (90°) ; North (180°) West (270°).

TABLE II.—DAILY RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of APRIL 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′				h m	h m	h m	″	h m	h m	h m	″	
April 1	9.39·6	·23239	·30866	6·8	44	21										
2	39·0	234	863	6·4	72	22	1397	22.56·2	22.57·6	23.4·7	*	...	...	...	...	Seismic origin doubtful.
3	39·5	235	862	6·8	37	25										
4	39·2	232	862	7·6	44	23										
5	39·5	230	860	8·4	41	37										
6	39·8	243	862	8·6	45	27	1398	...	...	...	...	9.11·2	9.22·1	9.24·8	0·6	
7	39·4	247	863	8·2	27	31										
8	39·7	241	866	7·8	94	25										
9	39·6	236	866	6·4	51	25										
10	39·9	242	866	7·2	49	22										
11	39·9	247	864	6·4	65	26										
12	39·7	245	868	6·6	49	13										
13	40·1	242	868	4·4	32	16										
14	40·5	245	867	5·8	53	25										
15	40·6	243	867	6·6	52	25										
16	41·2	223	869	5·2	57	21										
17	40·0	226	871	4·6	53	16										
18	40·3	237	873	4·8	32	12										
19	40·2	223	877	3·8	41	12										
20	40·4	214	878	4·0	31	13										
21	40·4	223	877	7·4	30	14										
22	40·5	232	876	7·6	36	19	1399	...	...	...	...	23.6·9	23.14·5	23.19·2	0·5	
23	40·7	232	876	7·2	52	17										
24	40·5	234	873	4·6	27	17										
25	40·4	231	875	6·2	26	12										
26	40·5	205	875	8·4	24	25										
27	40·4	223	878	4·8	74	13										
28	40·6	233	874	5·0	17	21										
29	40·9	241	871	5·6	24	18										
30	41·0	244	871	9·6	34	25										
Mean	9.40·13	·23234	·30869	6·43	43·8	20·6	...	...	...	...	...	...	...	...	...	...

* Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of APRIL 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.	MAGNETIC DISTURBANCES. Element.	Time of. Beg:	Time of. End.	Time of. Max:	Time of. Min:	Total Range
d h m	° ′	d h m		d h m	° ′		d h m	d h	d h m	d h m	
April 6. 9. 0	9.44·33	April 6. 9.14	·23252	April 3. 9.10	53. 2·9	Hor. Force	2.13	4. 4	3.13	2.22	68γ
13.51	9.35·73	13.21	·23256	7. 9.43	52.59·6	,, ,,	7.23.47§	9.16	8.13	8.16 ¾	103γ
13. 8.36	9.41·06	13. 9.27	·23247	9. 9.59	53. 0·3	Declination	7.23.47§	9. 0	8.11	8.15	8′.4
13.45	9.38·97	13. 0	·23250	12. 9.42	53. 0·1	Hor. Force	26. 7	27.15	26. 8 ½	26.22 ½	129γ
20. 8.38	9.40·41	20. 9.38	·23227	14. 9.32	53. 1·6						
13.48	9.38·60	13. 4	·23209	17. 9.39	53. 3·1						
27. 9. 4	9.43·22	27. 9.44	·23240	23. 8.35	53. 2·1						
13.50	9.39·20	13. 0	·23227	26. 9.41	53. 0·9						

§ Sudden increase of 40 γ in Hor : Force and decrease 1′·6 in Declination (West).

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

April 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	ins. 29·000																
Midnight	788	726	738	789	792	724	729	792	786	814	890	839	806	759	808	841	Midnight
1h	764	706	726	783	776	716	722	781	773	803	886	825	768	765	798	829	1h
2	739	695	721	774	754	705	722	768	757	794	848	805	737	755	792	807	2
3	723	686	715	757	742	697	722	764	747	775	845	792	732	736	785	803	3
4	704	668	715	754	733	692	722	759	744	784	853	784	722	734	783	803	4
5	714	678	726	766	735	686	726	760	745	796	852	786	729	743	784	804	5
6	734	693	738	777	749	696	733	766	744	813	848	796	753	743	793	810	6
7	752	691	752	795	761	707	747	789	757	832	880	805	757	754	809	826	7
8	765	704	766	807	774	719	759	799	766	850	896	807	759	779	829	834	8
9	776	722	779	815	779	730	768	815	774	854	898	821	776	795	838	840	9
10	770	724	779	807	776	727	769	812	769	859	904	807	781	803	847	854	10
11	742	707	770	797	757	726	757	805	752	856	897	787	772	797	837	847	11
Noon	709	696	757	792	739	707	744	787	725	827	870	784	749	789	807	827	Noon
13h	698	689	744	776	715	694	735	774	706	804	832	773	724	773	791	805	13h
14	675	685	727	766	703	674	713	759	696	793	816	755	705	754	782	792	14
15	666	679	722	763	689	666	713	756	696	795	809	749	696	736	776	794	15
16	659	684	723	762	685	662	719	756	698	806	814	745	699	736	778	796	16
17	665	694	729	767	698	666	726	769	712	823	816	743	716	745	789	808	17
18	685	707	740	775	716	679	737	784	739	849	832	756	730	767	804	825	18
19	696	727	767	779	719	699	764	789	760	856	847	767	746	785	819	827	19
20	711	745	779	807	740	726	780	806	786	875	856	786	757	800	835	857	20
21	724	758	790	818	751	740	807	817	805	900	858	797	766	816	854	866	21
22	728	757	792	817	749	745	806	815	811	880	850	797	766	815	849	864	22
23	720	749	795	807	740	737	803	811	813	887	844	811	765	825	844	857	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. \ Hour.
	ins. 29·000															
Midnight	859	859	856	854	809	829	809	785	758	789	801	786	800	771	799	Midnight
1h	848	848	848	848	793	818	798	773	743	785	792	783	788	760	788	1h
2	836	838	837	846	787	810	786	751	733	780	782	766	778	747	775	2
3	827	836	831	837	786	798	781	748	720	772	760	747	764	743	766	3
4	818	828	826	833	785	793	776	746	713	762	758	744	758	731	761	4
5	819	827	832	832	789	792	781	740	716	771	759	745	758	737	764	5
6	827	819	842	833	798	798	796	738	723	785	767	758	773	745	773	6
7	834	834	858	840	808	816	806	750	734	802	780	770	783	755	786	7
8	846	846	870	838	816	830	820	769	747	810	788	779	796	768	798	8
9	861	856	887	841	823	840	831	773	761	818	794	791	811	784	808	9
10	873	861	881	859	823	840	828	770	760	811	788	801	806	790	809	10
11	858	851	873	844	810	811	805	762	746	792	781	787	791	767	796	11
Noon	839	835	851	819	786	786	788	751	730	761	746	777	778	740	776	Noon
13h	811	821	833	804	766	761	761	736	711	760	731	757	761	724	759	13h
14	800	804	820	798	758	750	750	739	709	750	719	750	745	709	746	14
15	787	790	810	788	752	740	740	731	707	744	710	742	749	709	740	15
16	789	793	819	795	755	759	739	729	710	749	710	749	745	710	742	16
17	800	808	821	804	760	759	755	732	720	759	719	756	749	726	751	17
18	817	820	834	810	784	779	762	737	742	773	732	770	758	742	766	18
19	835	830	854	827	800	789	773	743	753	783	740	781	774	758	779	19
20	860	844	862	839	822	807	800	758	774	799	758	800	780	774	797	20
21	869	860	879	839	836	820	803	755	785	809	779	815	788	784	809	21
22	867	858	869	837	835	818	809	747	792	809	782	814	789	781	808	22
23	859	864	858	819	835	817	799	744	797	807	781	802	784	783	805	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

April 1915.

Day. / Hour.	1d. Air.	1d. Evaporation.	2d. Air.	2d. Evaporation.	3d. Air.	3d. Evaporation.	4d. Air.	4d. Evaporation.	5d. Air.	5d. Evaporation.	6d. Air.	6d. Evaporation.	7d. Air.	7d. Evaporation.	8d. Air.	8d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	79·3	77·4	79·4	78·0	77·7	76·5	77·8	76·2	72·7	71·0	71·6	69·3	73·7	71·8	74·6	72·6	Midnight
1h	79·0	77·3	78·8	77·3	77·5	76·1	76·8	75·0	72·5	71·0	71·5	69·3	72·8	70·7	74·6	72·5	1h
2	78·8	77·3	78·3	76·8	77·5	76·3	76·5	74·9	71·8	70·2	70·9	69·1	71·8	70·1	73·3	71·8	2
3	78·8	77·0	78·4	77·1	77·5	76·2	76·9	75·4	71·9	70·3	70·9	69·3	71·8	69·8	72·5	70·9	3
4	78·7	77·1	78·6	77·1	77·5	76·2	76·9	75·5	70·9	69·8	70·9	69·2	70·6	69·3	72·6	70·4	4
5	78·8	77·0	77·8	76·2	77·4	76·0	77·2	75·5	71·3	69·8	70·8	69·3	70·4	68·2	70·8	69·2	5
6	79·0	77·0	78·0	76·8	77·6	76·2	76·7	75·0	71·6	69·9	72·5	71·0	70·6	68·3	70·5	68·7	6
7	79·4	77·3	78·7	77·2	78·0	77·0	77·6	75·5	72·7	71·0	74·2	73·3	71·7	70·0	74·7	71·8	7
8	81·3	78·2	80·2	78·2	80·9	78·7	80·0	76·0	77·2	75·4	77·0	76·2	78·0	74·3	78·9	74·3	8
9	83·4	79·0	82·6	79·2	82·7	79·2	80·0	76·0	80·2	77·6	80·9	79·0	79·9	75·0	80·5	75·2	9
10	84·6	79·0	83·1	79·2	83·1	79·0	82·5	76·7	82·7	78·0	82·9	79·9	82·7	76·0	81·6	75·0	10
11	84·5	79·0	84·5	79·1	84·9	80·0	83·6	76·7	84·7	79·4	81·8	78·0	83·9	77·5	80·9	75·0	11
Noon	84·6	79·0	84·8	79·3	85·0	79·3	83·7	76·2	85·0	77·0	83·7	79·8	84·4	77·2	82·9	74·8	Noon
13h	84·1	78·5	84·4	79·5	84·6	80·1	82·8	76·0	85·6	76·5	83·6	79·0	82·8	77·4	82·6	75·0	13h
14	82·6	78·9	84·5	79·7	82·8	80·2	84·3	77·2	85·6	77·0	84·5	78·4	83·5	77·2	83·1	75·0	14
15	80·5	78·4	82·6	80·0	82·9	79·0	83·4	75·3	84·0	77·7	84·8	78·5	83·3	77·0	83·0	74·3	15
16	81·5	78·6	83·2	79·5	83·8	79·0	82·1	75·7	84·1	77·5	83·3	78·0	82·8	77·0	82·6	74·0	16
17	81·3	78·8	79·6	77·2	82·5	78·3	80·8	75·1	82·4	76·4	81·8	77·7	81·3	76·0	80·8	74·7	17
18	80·7	78·2	78·7	77·0	80·9	77·7	78·9	74·7	80·5	75·7	80·7	77·3	79·5	75·3	78·5	73·8	18
19	80·5	78·7	78·8	77·2	79·4	77·3	76·5	73·5	77·1	74·0	79·7	76·9	76·4	72·0	76·9	73·6	19
20	79·2	77·4	77·5	76·0	78·6	76·7	74·5	72·3	75·3	72·7	79·5	77·0	76·4	72·0	76·5	73·1	20
21	78·7	76·8	77·5	76·0	78·6	76·7	73·7	71·7	74·2	71·4	78·8	76·9	75·2	73·2	75·7	73·7	21
22	79·4	78·0	76·8	75·1	78·2	76·6	73·5	71·7	73·5	71·3	76·8	75·1	75·4	73·8	74·8	73·0	22
23	79·2	77·7	76·8	75·8	78·4	76·9	73·1	71·4	72·3	70·0	75·4	73·4	74·6	73·0	75·0	73·0	23

Day. / Hour.	9d. Air.	9d. Evaporation.	10d. Air.	10d. Evaporation.	11d. Air.	11d. Evaporation.	12d. Air.	12d. Evaporation.	13d. Air.	13d. Evaporation.	14d. Air.	14d. Evaporation.	15d. Air.	15d. Evaporation.	16d. Air.	16d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	75·5	73·2	76·2	74·9	73·6	72·0	74·4	71·7	71·6	69·2	72·9	70·7	73·8	72·1	73·8	72·1	Midnight
1h	75·1	72·9	76·6	74·9	72·9	71·7	74·5	71·9	71·4	69·8	71·8	70·0	73·4	71·6	73·6	72·0	1h
2	75·6	73·0	76·4	75·0	73·8	72·1	74·8	72·9	70·9	69·1	70·9	69·1	73·9	72·0	73·9	71·8	2
3	74·8	73·4	74·6	73·1	72·6	71·3	74·6	72·8	71·6	69·9	69·9	68·4	73·4	71·8	73·9	71·5	3
4	74·5	72·5	75·8	74·4	72·5	71·1	74·6	73·0	70·6	69·1	70·7	69·1	72·6	71·1	72·9	71·2	4
5	74·6	72·7	75·5	74·2	72·8	71·1	74·5	71·8	70·6	69·0	69·5	68·0	72·3	70·8	72·5	71·0	5
6	73·7	71·7	74·9	73·3	72·8	71·7	73·9	70·0	71·7	70·0	69·7	68·0	72·6	71·0	72·6	70·8	6
7	73·9	72·0	75·1	74·0	74·6	73·0	73·9	70·7	72·5	70·9	72·0	70·6	73·7	72·0	73·7	71·9	7
8	78·9	75·0	80·7	77·8	76·2	75·0	75·2	71·4	77·5	73·7	77·9	74·3	78·6	74·8	78·6	74·8	8
9	81·4	76·0	81·4	75·2	77·6	75·3	77·6	71·8	77·0	73·0	80·0	75·2	81·0	75·5	79·9	75·0	9
10	82·6	76·0	82·7	77·0	80·6	76·0	79·4	73·0	77·9	73·0	81·6	75·5	81·0	74·2	81·7	74·7	10
11	84·1	77·0	82·6	76·8	79·2	74·5	80·4	70·5	80·7	74·0	79·9	74·9	81·7	75·3	82·8	75·8	11
Noon	84·7	78·0	83·9	77·0	79·6	75·0	80·9	71·0	82·6	74·6	79·9	74·7	81·9	75·8	82·9	76·0	Noon
13h	83·6	77·0	83·8	77·6	81·3	76·0	80·6	73·2	82·5	74·5	79·6	75·0	82·5	75·9	82·6	76·0	13h
14	82·8	76·5	84·2	78·1	80·8	75·2	81·3	72·1	81·6	76·2	80·9	74·3	82·8	76·3	82·1	76·0	14
15	82·6	77·8	82·9	77·2	81·0	74·3	81·5	71·6	80·5	75·0	81·6	75·0	81·6	75·0	80·6	74·0	15
16	82·3	76·7	81·6	77·3	80·9	73·3	80·8	74·0	77·7	73·0	81·2	74·3	80·6	74·3	79·1	73·5	16
17	81·2	76·2	81·6	77·4	80·0	73·0	79·6	73·3	76·5	72·2	79·7	74·6	79·6	74·5	77·7	73·4	17
18	77·2	74·3	76·5	74·3	77·3	73·3	77·6	73·3	75·1	72·0	77·2	73·9	78·5	74·0	75·7	73·3	18
19	76·5	74·8	76·4	74·4	75·4	71·8	75·7	72·7	74·2	72·0	75·4	73·0	76·5	73·5	74·5	73·0	19
20	76·1	73·8	76·3	74·9	74·5	70·7	74·0	71·6	73·5	71·1	75·2	72·6	75·5	73·0	73·5	72·3	20
21	76·3	74·2	76·5	75·0	73·5	71·0	72·7	70·9	73·7	71·1	74·8	72·9	74·7	72·8	73·4	71·0	22
22	75·7	74·0	72·7	69·8	73·7	71·1	73·8	72·0	73·5	70·8	74·7	72·9	74·5	72·7	73·5	71·0	23
23	74·8	73·7	73·9	72·1	74·2	71·0	72·3	70·4	73·5	71·0	74·6	72·7	73·7	72·1		70·9	24

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

April 1915.

Hour \ Day	17d. Air.	17d. Evaporation.	18d. Air.	18d. Evaporation.	19d. Air.	19d. Evaporation.	20d. Air.	20d. Evaporation.	21d. Air.	21d. Evaporation.	22d. Air.	22d. Evaporation.	23d. Air.	23d. Evaporation.	24d. Air.	24d. Evaporation.	Day / Hour
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	72·6	70·6	72·6	70·1	72·9	69·8	71·2	67·7	74·4	71·9	73·6	70·9	72·2	69·1	73·2	71·6	Midnight
1h	72·8	70·5	72·6	70·9	73·2	70·1	70·6	67·7	74·4	71·7	73·6	70·3	71·5	69·1	72·0	70·3	1h
2	73·3	70·8	73·5	71·1	72·6	69·0	69·2	66·8	74·0	71·6	73·5	70·1	71·9	69·4	72·6	71·2	2
3	72·7	70·7	73·5	72·1	71·6	68·7	69·6	67·5	73·6	71·2	72·6	69·6	72·5	69·7	71·7	70·1	3
4	72·6	70·3	72·4	70·6	71·8	68·3	70·6	68·4	72·6	71·3	71·5	69·0	71·9	69·2	71·4	70·1	4
5	72·4	70·8	72·8	71·2	72·6	69·6	70·2	68·1	73·1	71·9	71·8	70·2	70·7	68·7	70·9	69·5	5
6	72·9	71·4	72·6	70·1	71·6	68·9	70·0	67·9	73·0	71·9	72·4	69·5	70·7	68·3	70·0	68·7	6
7	73·8	71·5	73·4	71·1	72·4	68·6	69·9	67·7	73·6	72·1	73·4	70·6	70·7	68·6	70·7	69·9	7
8	78·0	74·0	77·9	74·1	77·2	71·2	75·7	71·9	75·7	74·0	77·3	73·1	76·7	72·0	76·7	74·4	8
9	79·2	73·1	80·2	74·9	79·6	72·0	80·2	73·7	78·7	75·0	77·7	72·6	78·5	71·8	80·2	75·6	9
10	81·0	74·1	79·7	73·7	81·6	71·4	79·2	73·7	80·7	74·4	80·0	73·0	80·2	72·1	81·2	74·8	10
11	81·8	74·0	80·0	72·4	79·3	71·4	79·6	74·4	82·3	75·5	81·6	73·0	80·6	73·7	81·6	75·1	11
Noon	82·1	74·5	82·0	73·1	80·6	72·1	80·6	75·0	82·3	74·6	81·6	73·2	81·6	73·3	79·6	74·1	Noon
13h	82·6	74·1	82·6	72·1	81·2	73·1	80·6	73·1	82·2	75·1	82·2	73·6	80·6	74·6	78·6	74·0	13h
14	82·2	73·6	82·2	72·9	80·6	73·9	81.2	74·1	81·3	74·5	79·6	73·2	82·3	73·2	75·6	73·0	14
15	81·4	72·7	81·3	71·8	80·4	71·8	81·4	74·1	81·6	74·6	80·0	73·8	81·7	73·6	72·9	71·0	15
16	81·1	73·0	80·0	71·4	79·1	70·5	77·0	71·6	79·5	73·3	78·5	72·4	80·5	73·0	73·7	72·0	16
17	79·5	73·0	78·5	70·8	78·2	71·0	77·6	72·2	78·5	72·0	78·1	73·0	79·0	73·5	74·0	72·5	17
18	77·0	72·4	76·4	70·6	75·8	70·2	76·5	71·9	76·2	71·1	75·5	71·6	76·5	72·3	73·0	71·4	18
19	75·6	72·1	74·6	70·1	74·3	70·0	75·1	71.8	74·9	70·9	74·6	71·0	75·1	72·1	72·2	70·4	19
20	73·6	71·0	73·5	69·6	74·3	70·1	75·2	71·9	74·6	71·2	73·6	70·1	74·8	72·0	71·4	69·9	20
21	74·1	71·5	73·4	69·9	72·7	68·9	74·6	71·1	74·7	71·0	73·2	69·9	74·3	71·7	70·6	69·0	21
22	73·8	71·2	73·3	69·6	71·3	68·0	74·6	71·9	74·6	70·9	72·8	70·1	74·2	71·9	70·2	68·9	22
23	72·8	70·7	72·6	69·3	71·5	67·8	74·6	71·9	73·7	70·7	72·7	70·1	73·2	71·8	69·7	68·8	23

Hour \ Day	25d. Air.	25d. Evaporation.	26d. Air.	26d. Evaporation.	27d. Air.	27d. Evaporation.	28d. Air.	28d. Evaporation.	29d. Air.	29d. Evaporation.	30d. Air.	30d. Evaporation.	Mean. Air	Mean. Evaporation.	Day / Hour
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	69·4	68·3	70·1	68·7	66·6	65·1	69·9	67·7	70·9	69·2	73·6	72·2	73·4	71·4	Midnight
1h	69·1	68·0	69·8	68·6	66·7	65·2	70·9	69·1	69·6	68·1	73·5	72·2	73·1	71·2	1h
2	68·6	67·3	68·9	67·7	66·8	65·1	71·2	69·1	69·6	68·2	72·6	71·4	72·9	71·0	2
3	68·2	66·9	67·9	66·9	66·6	65·7	71·3	69·5	69·6	68·2	73·4	72·1	72·6	70·9	2
4	67·9	66·9	67·9	66·6	65·8	64·5	69·8	68·3	69·7	68·1	73·0	72·1	72·3	70·6	4
5	67·7	66·3	67·5	66·1	66·5	65·1	69·5	67·5	69·9	68·6	71·6	71·1	72·1	70·5	5
6	67·4	66·1	67·6	66·3	65·6	64·1	68·5	66·8	72·1	71·1	71·1	70·0	72·1	70·4	6
7	67·7	67·1	68·0	67·3	66·5	65·1	69·7	68·6	72·3	71·1	71·7	70·6	73·0	71·3	7
8	73·9	72·7	74·9	73·1	73·7	71·6	76·4	72·7	74·2	73·0	77·2	75·1	77·4	74·4	8
9	77·7	74·8	78·8	73·8	77·7	71·6	79·2	73·1	75·7	73·6	78·7	75·6	79·6	74·9	9
10	79·7	75·2	79·9	73·8	79·2	71·1	79·7	73·4	79·7	75·0	80·2	75·6	81·1	75·1	10
11	81·6	76·7	81·1	74·1	80·7	72·2	81·3	73·8	81·1	75·0	81·5	76·1	81·8	75·4	11
Noon	82·0	76·1	81·6	74·6	81·5	71·9	82·0	74·1	80·6	74·1	81·8	76·1	82·3	75·4	Noon
13h	82·5	76·7	79·6	74·2	81·6	71·7	82·5	74·1	80·6	74·9	82·9	77·0	82·2	75·5	13h
14	76·6	74·9	78·1	74·5	82·1	72·1	81·8	74·0	81·6	74·2	81·3	76·1	81·8	75·4	14
15	77·0	75·0	76·5	73·9	81·0	72·9	80·7	73·0	77·2	74·9	80·0	76·0	81·1	75·0	15
16	78·0	75·8	76·5	73·9	79·9	71·2	80·3	73·0	77·7	74·0	78·5	75·4	80·4	74·5	16
17	77·0	74·9	77·0	71·1	77·9	71·5	79·0	74·1	77·7	74·8	77·5	75·0	79·3	74·3	17
18	75·5	74·1	74·5	71·1	75·2	70·7	76·5	73·1	76·8	74·2	76·2	74·5	77·3	73·6	18
19	74·5	72·7	72·8	70·0	72·8	69·4	74·4	71·8	75·3	73·4	75·5	73·8	75·8	72·9	19
20	72·8	71·4	72·0	69·1	72·7	69·0	73·5	71·1	74·9	73·0	74·5	73·1	75·0	72·3	20
21	71·6	70·0	71·1	68·4	71·6	68·3	72·6	70·1	73·9	72·3	73·6	72·1	74·3	72·0	21
22	70·9	69·2	70·1	68·0	70·8	68·1	71·8	69·8	74·6	73·3	72·6	71·1	73·9	71·7	22
23	70·4	68·9	68·5	66·4	69·6	67·1	71·8	69·9	74·8	73·8	72·2	71·0	73·5	71·4	23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour. \ Day.	April 1915.																														
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	Mean.
Midnight	7	10	4	3	2	0	0	8	3	8	4	2	2	1	2	1	0	3	4	1	3	5	3	8	5	5	2	7	5	5	3·4
1h	6	10	4	8	3	0	0	4	4	4	3	3	8	3	2	3	1	3	3	2	4	1	4	3	6	3	3	8	4	6	3·9
2	8	10	5	10	2	0	0	2	4	5	2	3	3	2	4	3	1	4	5	2	5	2	2	2	4	3	3	8	3	4	3·7
3	8	10	8	4	1	0	0	1	8	4	4	8	1	2	2	1	1	6	6	5	8	0	0	2	2	2	1	6	2	5	3·6
4	7	10	8	9	1	5	1	2	7	3	7	8	1	0	2	1	1	7	7	5	10	0	1	3	2	2	1	4	6	4	4·1
5	8	10	5	8	1	6	0	3	5	3	8	7	1	3	2	1	2	6	5	6	10	1	2	4	2	2	1	5	7	3	4·2
6	7	10	7	7	1	8	0	2	5	4	8	7	3	2	1	1	2	6	4	10	7	1	3	1	2	3	1	4	8	2	4·2
7	6	10	6	6	2	7	0	4	4	5	7	6	5	3	2	1	3	4	5	10	6	1	4	1	2	3	1	4	6	2	4·2
8	6	10	7	5	1	7	0	4	4	5	7	4	6	4	2	2	3	4	4	9	6	1	3	1	2	3	1	3	7	2	4·1
9	8	9	8	7	2	8	0	4	6	7	7	1	6	6	3	5	6	5	4	7	7	8	6	1	3	3	1	1	9	4	5·1
10	8	8	8	8	3	8	1	7	5	7	7	4	7	6	5	4	6	6	5	8	6	8	6	2	5	5	1	1	7	7	5·6
11	9	6	8	8	4	9	1	5	4	7	7	6	7	7	7	7	5	5	5	8	7	5	7	2	6	5	2	1	6	6	5·7
Noon	8	10	8	8	5	9	1	6	5	8	9	6	6	9	7	5	3	4	6	8	6	7	5	8	7	7	2	1	8	6	6·3
13h	9	9	9	8	5	9	3	7	6	8	7	4	7	7	7	5	3	4	6	6	7	8	5	10	9	7	2	3	7	6	6·4
14	9	10	9	8	6	8	8	3	5	8	7	3	6	7	7	5	3	2	6	7	8	6	4	10	9	8	3	4	8	7	6·5
15	10	10	9	8	7	8	7	3	7	9	3	2	8	3	8	5	2	2	8	7	3	6	4	7	9	8	3	5	10	8	6·3
16	10	10	9	8	6	9	4	3	8	8	2	2	7	3	7	3	2	2	8	6	4	6	4	7	10	6	2	5	9	7	5·9
17	10	10	7	9	5	8	1	3	7	8	2	2	5	2	7	4	2	3	6	5	5	5	3	7	10	4	3	7	9	8	5·6
18	10	10	4	8	4	8	3	2	10	5	2	2	5	2	3	5	2	1	4	4	2	5	4	7	9	2	2	6	9	5	4·8
29	10	10	2	3	2	7	4	2	6	4	2	1	3	2	6	4	2	2	3	4	1	6	4	8	7	1	1	8	8	4	4·2
20	10	10	2	0	0	9	8	2	4	5	2	1	1	2	2	2	1	1	2	5	1	5	5	8	7	1	1	5	8	3	3·8
21	10	10	2	1	0	9	10	8	4	9	2	1	0	2	2	0	2	2	3	3	1	4	9	8	5	1	2	5	8	3	4·2
22	10	6	4	1	0	6	10	1	2	4	0	2	0	1	2	1	1	1	2	2	2	5	9	6	5	1	2	3	7	2	3·3
23	10	8	4	1	0	4	10	2	6	4	1	10	0	2	1	1	2	2	2	3	3	6	7	5	7	1	4	4	5	3	3·9

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	April 1915.																														
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	Total.
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	0	7	25	20	1	12	45	38	35	12	0	0	32	35	16	15	20	35	1	0	0	27	27	20	34	33	32	34	0	14	9·5
8	27	30	58	59	57	6	60	60	60	60	15	34	60	60	60	60	60	60	45	32	3	59	60	60	60	60	60	60	12	60	24·3
9	60	58	52	45	60	57	60	60	60	57	54	60	55	60	60	60	60	60	60	60	40	57	59	60	60	60	60	60	8	60	28·0
10	60	58	57	60	59	54	60	60	60	59	60	60	40	52	60	60	60	58	58	40	60	52	60	60	60	57	60	60	58	55	28·6
11	60	57	60	60	59	20	60	60	60	52	30	55	56	59	60	60	60	58	15	43	60	60	60	57	60	45	60	60	60	58	27·1
Noon	59	56	60	60	60	48	60	60	60	57	3	28	60	52	60	60	60	60	15	45	56	60	60	40	60	60	60	60	50	60	26·5
13h	33	53	45	60	60	45	40	60	59	60	28	54	60	55	60	59	60	60	4	43	59	60	60	0	52	28	60	60	15	59	24·2
14	5	48	15	60	54	50	48	50	42	60	48	60	7	52	54	60	60	60	43	50	60	54	60	0	4	14	60	60	27	45	21·8
15	0	43	30	60	50	50	50	60	45	47	52	60	31	60	50	59	60	60	57	57	60	55	60	0	15	0	60	60	25	15	22·2
16	0	43	58	60	60	9	25	60	51	16	60	60	25	59	14	60	60	60	33	35	52	35	60	15	40	13	60	58	0	4	19·7
17	0	5	59	60	50	55	46	60	38	45	60	60	0	60	8	35	60	60	45	0	50	18	60	20	15	57	60	54	2	9	19·2
18	0	0	17	21	20	10	35	28	3	0	13	25	0	26	0	25	12	31	21	0	29	20	13	0	5	13	10	0	12	12	6·7
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 257·8 hours; the corresponding period during which the sun was above the horizon was 348·3 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

April 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	11·5	6·5	4·4	5·4	3·5	4·6	3·9	8·8	5·9	4·8	5·6	6·3	8·0	3·7	5·7	6·3	Midnight
1h	12·7	7·8	5·0	6·1	3·2	2·8	5·2	3·0	10·2	4·8	7·8	5·9	9·4	4·0	7·1	6·3	1h
2	13·5	6·5	5·7	4·6	4·6	2·0	3·3	3·0	4·8	5·9	7·6	3·2	6·9	4·2	7·6	6·1	2
3	12·7	5·9	4·8	5·7	5·0	1·8	5·4	3·7	2·4	6·3	5·0	4·6	3·4	6·1	6·7	6·1	3
4	11·9	6·3	3·9	6·1	5·6	1·8	4·8	4·8	2·6	6·5	4·8	2·8	4·4	4·4	6·1	4·8	4
5	13·9	5·0	3·5	4·8	4·6	2·6	5·0	2·0	3·3	5·2	3·9	8·4	6·5	2·0	6·1	6·1	5
6	11·9	6·1	5·7	5·7	4·8	2·6	6·1	5·6	3·1	3·5	7·8	16·5	7·1	3·0	5·9	5·9	6
7	12·7	7·8	4·2	5·9	5·2	0·0	4·0	7·5	3·1	4·8	10·6	13·9	4·4	5·4	7·1	7·1	7
8	12·1	8·6	8·6	7·6	2·2	4·2	1·8	10·2	5·7	9·0	8·0	17·3	5·0	6·9	8·4	11·0	8
9	16·5	13·7	14·1	10·0	3·4	9·2	2·6	8·6	4·6	9·0	14·5	22·3	9·8	12·1	11·7	10·6	9
10	19·9	16·3	15·5	11·7	4·8	13·5	4·4	9·6	6·5	10·2	18·9	25·3	8·0	11·9	11·0	10·4	10
11	19·9	14·7	16·9	10·2	4·2	15·3	10·6	12·6	6·9	11·0	21·3	23·1	9·8	13·5	10·6	14·9	11
Noon	21·5	17·9	12·1	10·2	6·5	8·4	11·7	11·4	10·2	1·00	16·1	14·5	10·8	10·6	12·9	9·0	Noon
13h	19·5	21·9	14·7	10·4	3·4	15·5	11·5	13·9	12·3	12·3	13·7	17·3	8·2	10·8	14·3	10·0	13h
14	23·3	20·1	10·4	11·9	7·7	12·9	7·3	15·1	9·4	13·7	13·3	14·5	4·8	11·2	10·2	11·2	14
15	16·1	14·9	11·2	7·1	7·1	12·9	8·2	12·3	11·9	12·1	10·2	13·1	3·0	10·8	11·5	10·8	15
16	18·1	14·7	15·5	9·2	6·5	7·6	5·7	11·7	11·5	9·4	11·2	13·1	5·4	9·8	8·0	10·2	16
17	18·1	12·3	11·5	7·5	5·9	13·5	4·6	12·5	10·8	10·4	6·1	9·4	11·0	8·8	8·4	6·7	17
18	13·1	7·6	7·3	4·0	4·4	5·9	6·1	10·0	6·3	8·4	3·3	3·9	6·9	9·0	6·5	4·4	18
19	11·9	7·3	4·4	4·2	2·2	3·9	5·0	7·6	5·7	10·0	10·0	3·9	3·9	8·0	5·0	5·7	19
20	11·7	5·2	4·0	4·0	3·0	2·6	5·7	5·0	5·0	5·4	4·8	2·0	3·3	9·4	5·9	4·6	20
21	10·0	4·0	3·4	3·5	4·6	3·1	4·4	3·4	5·0	13·9	3·4	3·5	3·0	6·3	5·9	4·8	21
22	9·6	4·2	5·6	3·2	3·1	2·6	3·1	3·7	5·5	11·9	2·8	4·4	4·4	7·8	4·8	7·6	22
23	8·6	5·7	6·1	5·6	3·1	2·6	6·1	3·2	6·1	9·0	3·7	12·1	3·4	6·9	6·3	5·6	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23.d	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour
Midnight	2·0	3·2	9·4	10·0	8·0	7·1	6·7	5·4	3·9	4·6	6·3	3·5	4·2	4·4	5·8	Midnight
1h	5·2	6·1	5·2	5·2	6·3	8·4	5·9	5·0	6·7	4·2	5·4	7·5	4·8	4·6	6·1	1h
2	4·6	8·2	7·3	4·2	6·3	7·3	6·9	5·8	5·2	3·9	3·4	6·1	6·1	5·2	5·7	2
3	3·9	10·6	6·1	4·4	5·9	8·2	8·0	3·2	7·6	3·5	5·2	4·8	4·2	5·6	5·6	3
4	3·1	9·2	7·3	5·4	10·8	8·2	8·0	3·9	5·6	4·0	3·5	3·9	4·2	4·2	5·4	4
5	5·6	8·8	6·9	6·3	5·0	9·2	5·0	5·0	6·7	5·2	1·8	5·0	3·2	4·0	5·3	5
6	6·5	8·2	6·9	4·4	5·9	9·4	5·9	4·4	5·9	5·6	3·0	4·6	6·3	4·8	6·1	6
7	10·2	9·2	9·2	4·6	6·1	9·8	5·6	4·4	4·8	4·6	2·4	4·4	6·3	4·6	6·3	7
8	9·2	9·2	14·3	10·0	7·6	7·3	9·0	6·3	3·1	2·4	2·6	8·0	4·4	6·9	7·5	8
9	13·5	12·3	21·9	13·7	8·8	12·1	10·2	5·9	4·6	6·9	12·9	10·8	6·3	9·8	10·8	9
10	13·9	15·7	22·1	13·1	12·7	12·3	12·9	5·6	10·0	6·5	12·5	13·5	6·7	5·9	12·0	10
11	13·9	16·3	17·3	15·7	13·5	14·7	13·3	5·9	10·6	8·8	12·7	12·1	12·7	6·9	13·0	11
Noon	12·7	18·1	20·9	19·1	14·1	14·5	16·1	9·8	11·0	11·2	11·9	12·7	12·1	8·6	12·9	Noon
13h	13·5	18·9	17·9	16·1	14·1	14·1	13·5	9·8	11·2	4·0	11·9	11·7	11·2	7·6	12·9	13h
14	13·5	18·1	19·9	15·1	15·9	15·1	12·9	10·6	6·1	3·5	11·5	15·9	10·2	8·0	12·4	14
15	13·5	19·3	20·7	15·1	16·3	14·9	12·7	6·3	6·3	3·9	12·5	12·1	9·8	7·3	11·5	15
16	11·5	18·3	19·7	14·1	18·1	11·4	13·3	6·1	4·6	6·1	12·7	15·1	8·6	6·1	11·1	16
17	10·2	17·1	14·5	9·6	12·1	12·1	11·5	1·6	3·9	8·8	9·2	8·2	6·9	9·4	9·7	17
18	6·3	8·6	9·8	6·9	12·1	9·4	7·1	3·9	3·5	5·9	6·5	6·5	6·3	5·0	6·8	18
19	3·5	8·6	5·6	7·1	8·4	7·8	6·1	3·9	3·9	3·1	7·1	6·3	3·9	1·9	5·9	19
20	3·4	10·0	9·0	8·4	8·0	9·0	5·4	3·9	4·0	6·3	9·2	6·1	4·4	4·0	5·4	20
21	4·6	6·5	4·0	8·2	10·2	6·1	6·7	6·1	4·8	7·5	7·1	4·8	4·4	3·9	5·6	21
22	4·8	8·2	5·4	9·2	8·2	8·6	4·8	3·9	4·8	8·2	6·1	3·3	6·9	5·2	5·7	22
23	5·7	6·3	8·2	7·3	8·2	11·0	7·1	5·0	4·2	5·0	3·5	4·4	5·7	3·9	6·0	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(The results are increased by 100 in order to obviate the necessity for signs, and are published to the nearest mile.)

April 1915.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	100	112	101	106	103	103	102	105	98	102	97	103	98	103	95	107	Midnight
1h	100	113	103	107	104	104	101	106	98	102	98	102	97	104	98	102	1h
2	100	113	104	104	103	105	101	104	97	103	98	101	98	102	97	102	2
3	102	112	101	106	103	103	101	106	96	103	98	101	96	104	97	103	3
4	100	112	104	104	102	104	102	106	96	104	98	101	97	103	97	103	4
5	100	114	102	105	101	103	102	104	97	104	99	98	96	104	98	101	5
6	100	112	101	106	104	104	102	105	97	104	99	98	96	104	97	105	6
7	100	113	102	108	102	104	104	105	97	104	100	100	97	103	95	105	7
8	102	112	105	107	106	106	107	106	99	102	99	97	99	101	94	108	8
9	103	116	110	110	113	105	102	107	103	100	97	91	98	102	94	106	9
10	100	120	115	106	114	106	104	112	102	96	97	87	98	96	93	107	10
11	96	119	114	106	112	112	107	109	102	97	89	89	98	90	91	109	11
Noon	100	122	113	113	109	109	106	107	103	94	97	92	95	89	94	109	Noon
13h	108	118	118	112	110	110	111	109	101	97	100	84	100	89	92	111	13h
14	95	123	119	108	110	104	101	105	102	93	95	88	96	106	89	111	14
15	100	116	114	106	110	104	107	107	104	94	95	88	98	108	91	109	15
16	100	118	114	106	114	106	104	106	100	94	97	93	105	98	92	108	16
17	104	118	111	105	108	108	102	106	100	94	93	89	101	96	90	107	17
18	103	113	107	103	105	105	102	104	98	96	99	94	96	104	92	106	18
19	105	111	107	103	102	104	100	104	99	98	97	97	95	102	94	104	19
20	102	112	105	102	102	104	100	104	99	97	100	103	94	100	96	103	20
21	104	109	103	103	101	103	100	104	95	100	101	103	96	102	98	103	21
22	98	109	102	104	102	105	100	103	97	101	101	102	97	101	97	103	22
23	103	108	102	105	102	106	100	106	98	102	98	102	95	103	98	102	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	95	102	105	100	97	105	95	103	94	106	96	101	96	104	96	105	Midnight
1h	93	107	102	104	98	108	95	102	98	109	96	101	97	107	98	106	1h
2	96	103	102	105	99	107	97	101	96	106	96	101	96	106	97	105	2
3	100	98	101	106	99	105	96	102	98	103	95	103	97	106	97	105	3
4	102	98	100	106	99	105	97	99	96	102	96	102	98	106	97	104	4
5	98	103	100	105	99	104	95	107	95	104	99	101	96	104	97	105	5
6	98	102	100	104	98	108	86	109	93	103	97	102	97	105	99	106	6
7	98	102	100	105	100	111	90	110	96	102	99	105	96	106	97	107	7
8	96	104	102	109	98	108	90	114	97	104	95	105	97	108	98	111	8
9	96	103	98	109	92	112	88	119	94	108	95	111	95	111	100	111	9
10	95	104	102	110	100	119	95	125	94	106	95	111	100	111	100	110	10
11	100	107	102	111	100	121	100	123	93	107	97	113	102	110	103	115	11
Noon	102	110	104	109	103	116	100	115	96	110	98	110	100	113	102	109	Noon
13h	109	109	107	110	100	114	100	117	96	107	98	111	100	114	100	111	13h
14	107	107	108	111	100	113	100	114	100	95	98	111	102	110	100	111	14
15	111	105	105	111	102	110	93	111	97	101	100	111	102	111	102	111	15
16	111	105	104	109	98	111	93	111	99	105	100	110	103	107	100	110	16
17	110	104	106	109	97	105	95	108	96	110	97	108	100	108	99	107	17
18	102	106	97	108	99	103	98	103	99	107	97	108	97	106	99	104	18
19	101	106	100	110	93	107	98	103	98	103	97	107	98	105	98	105	19
20	102	105	99	105	98	104	99	102	98	103	93	107	98	105	98	104	20
21	102	105	100	114	97	102	98	103	98	102	98	106	97	105	98	104	21
22	102	105	95	111	97	100	97	103	96	102	97	107	98	104	100	108	22
23	101	106	100	109	97	103	89	105	97	101	96	106	98	106	98	105	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

April 1915.

Hour \ Day.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d. N.	20d. E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.
Midnight	99	102	98	102	96	109	98	110	94	106	96	106	95	105	96	104
1h	98	105	98	106	98	105	98	105	98	106	94	106	97	105	96	104
2	98	104	97	108	97	107	97	104	98	106	95	105	95	105	97	105
3	98	104	92	108	96	104	97	103	96	104	95	107	94	106	98	102
4	98	103	93	106	97	107	96	104	98	111	95	107	96	107	97	103
5	95	103	97	108	95	105	98	106	97	104	95	108	98	105	96	104
6	97	106	97	108	97	106	98	104	98	105	96	109	96	104	97	103
7	98	110	95	108	94	107	97	103	96	104	95	108	98	105	97	103
8	100	109	93	106	97	114	96	109	96	106	97	107	94	106	96	104
9	100	113	95	111	92	120	95	113	95	107	93	110	100	110	99	106
10	97	114	97	115	92	120	95	112	98	113	91	109	91	109	98	105
11	100	114	100	116	93	116	94	114	95	112	94	114	95	112	102	105
Noon	100	113	93	117	92	119	93	118	90	110	95	113	89	111	90	100
13h	100	113	93	118	93	116	94	115	94	113	95	113	90	110	98	90
14	95	112	93	117	92	118	94	114	94	115	94	114	93	111	98	110
15	95	113	100	119	92	119	89	111	88	111	97	115	95	112	94	100
16	96	111	93	117	92	118	92	112	85	110	98	111	95	112	99	94
17	93	107	97	117	97	114	93	107	95	111	98	112	92	108	99	99
18	96	104	97	108	98	110	96	106	95	111	96	109	95	105	97	97
19	98	102	95	107	98	105	97	107	94	106	97	107	96	104	97	103
20	98	102	94	108	98	109	94	106	96	107	97	108	96	104	97	102
21	97	103	96	105	97	103	94	106	93	107	96	104	95	105	95	103
22	97	104	94	106	98	105	94	106	94	106	97	108	97	103	97	102
23	97	105	96	104	97	108	96	106	95	107	96	110	97	107	96	103

Hour \ Day.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	Mean. N.	Mean. E.
Midnight	97	103	100	105	96	104	98	102	98	103	98	104	97·6	104·4
1h	95	105	100	104	95	103	96	106	97	104	98	104	97·8	105·1
2	96	104	97	103	98	103	96	104	97	105	98	105	97·8	104·5
3	95	105	98	102	100	105	98	104	98	103	97	105	97·6	104·3
4	96	104	97	103	97	103	97	103	98	104	98	103	97·8	104·2
5	95	105	98	105	98	100	96	104	98	103	97	103	97·6	104·3
6	95	103	99	106	97	101	97	103	103	105	97	103	97·6	104·8
7	96	103	97	104	98	101	98	104	96	104	97	103	97·4	105·2
8	97	102	99	102	98	101	94	106	97	103	95	105	97·7	106·1
9	98	96	97	106	95	112	92	108	96	104	94	108	97·5	108·2
10	94	92	95	105	91	109	91	109	97	106	97	105	97·5	108·3
11	94	91	94	106	91	109	100	112	100	113	103	106	98·6	109·3
Noon	92	92	98	111	92	108	100	113	102	112	102	108	98·4	109·1
13h	100	89	100	96	98	112	102	112	104	110	103	107	100·3	107·9
14	99	106	101	97	96	111	100	116	100	110	103	107	99·5	108·9
15	104	105	100	104	93	110	98	112	98	110	103	107	99·0	108·4
16	103	103	104	96	95	112	94	114	97	108	100	106	99·3	107·4
17	103	103	95	107	93	107	97	108	99	107	91	102	98·4	106·4
18	102	102	98	105	95	104	99	106	97	106	97	104	98·3	104·9
19	97	103	99	103	95	105	99	106	98	103	99	102	98·1	104·4
20	97	103	94	102	94	107	99	106	98	104	98	103	97·8	104·4
21	97	103	95	105	95	105	97	104	98	104	97	103	97·6	104·3
22	97	103	94	106	95	103	98	103	101	107	96	104	97·5	104·5
23	102	104	96	103	97	101	98	104	98	105	97	103	97·7	104·8

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of APRIL 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour. Mauritius Standard Time.	2d.	3d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Hour. Mauritius Standard Time.
	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	
Midnight	9	12	4	4	5	5	2	16	5	3	4	4	4	8	4	4	5	6	Midnight
1h	10	12	4	4	5	4	4	10	7	2	7	4	4	8	3	5	5	6	1h
2	12	11	4	2	4	3	3	10	7	2	5	5	4	4	5	4	5	6	2
3	9	12	4	2	4	4	24**	9	7	2	5	4	4	4	8	6	5	5	3
4	12	10	4	2	4	4	20	8	7	30**	2	4	4	4	4	4	5	5	4
5	10	10	5	27**	4	3	5*	8	6	5*	3	4	4	6	31**	4	5	4	5
6	9	12	5	26	4	5	4	8	7	3	2	4	3	7	2*	4	11	4	6
7	9	10	5	26	4	4	4	8	8	4	2	4	3	5	3	6	4	4	7
8	11	12	5*	26	4	5	4	9	7	5	5	4	3	6	2	4	4	4	8
9	12	14	16	26	4	4	3	7	5	5	5	7	26**	6	6	4	4	5	9
10	14	14	22	25	26**	4	3	9	8	7	4	6	27	4	4	4	6	5	10
11	14	12	21	28	25	4	8	9	8	8	4	10	27	4	4	8	8	10	11
Noon	12	12	22	26	26	5	9	10	9	8	6	0**	28	7	4	8	9	9	Noon
13h	13	12	22	24	24	5	12	11	8	8	5	25**	24	24**	7	9	10	10	13h
14	14	14	23	26	5*	4	12	11	8	8	24**	7**	7*	23	6	8	8	10	14
15	14	14	21	26	7	4	14	10	9	5	2**	0	11	8**	5	7	7	10	15
16	14	14	24	26	18	4	14	10	7	5	7§	25**	12	20*	6	6	6	8	16
17	14	12	24	27	23	3	14	11	5	5	6	28	12	5**	4	6	7	1	17
18	14	12	26	25	4**	3	10	6	6	5	7	28	12	6	4	7	6	5	18
19	14	10	26	27*	2	3	9	8	4	5	5	4*	4	6	4	7	5	5	19
20	14	10	26	8	0	3	10	7	6	5	5	3	4	2	4	7	5	5	20
21	12	10	0*	10	2	5	10	8	3	5	4	3	4	4	4	5	5	4	21
22	10	10	2	10	2	4	10	6	0	4	3	3	4	4	3	5	9	4	22
23	10	10	4	5	3	4	9	8	4	12	2	3	10	4	2	5	6	4	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of 9ins., 6ins. and 3ins respectively at INTERVALS of three HOURS between 3h. and 21h. during of the MONTH of APRIL 1915.

Day of the Month.	9ins.							6ins.							3ins.							Day of the Month.
	3h.	6h.	9h.	12h.	15h.	18h.	21h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
1d	84·79	84·34	83·74	83·54	84·13	84·74	84·94	84·33	83·55	83·03	83·53	85·05	85·65	85·31	82·49	81·54	81·59	86·79	89·09	86·69	84·79	1d
2	84·32	84·02	83·39	83·14	83·64	84·14	84·54	83·72	83·30	82·53	83·08	84·53	85·63	85·23	81·59	81·19	81·34	86·59	89·09	87·09	84·19	2
3	84·14	83·34	83·14	82·94	83·14	83·74	84·09	83·33	82·63	82·23	82·73	84·03	84·68	84·63	80·59	79·59	80·59	85·59	87·04	86·39	83·99	3
4	83·64	83·14	82·84	82·54	82·94	84·06	84·64	82·93	82·23	81·83	82·33	83·85	86·05	85·83	80·39	79·49	79·49	85·89	90·69	89·19	85·59	4
5	84·14	83·54	82·64	82·39	83·29	84·49	85·49	83·03	82·17	81·13	82·13	85·33	87·13	87·18	79·39	78·19	78·64	88·19	94·44	92·59	87·94	5
6	84·56	84·24	83·54	83·24	83·44	84·42	85·37	84·08	82·88	82·13	82·43	84·70	86·53	86·38	80·82	78·99	79·89	84·79	92·09	90·39	86·79	6
7	84·84	84·04	83·64	83·14	83·59	85·04	85·64	84·53	82·83	82·03	82·63	85·23	87·01	86·55	80·39	78·49	78·79	87·79	92·57	89·99	86·57	7
8	85·04	84·34	83·54	83·16	83·29	84·24	84·94	84·13	83·03	82·03	82·92	84·25	86·18	86·03	80·94	78·67	80·04	87·49	90·89	89·94	85·49	8
9	84·44	83·64	83·44	83·04	83·34	84·64	85·29	83·78	82·48	82·11	82·53	85·03	86·53	86·43	80·49	78·34	79·59	87·09	92·69	89·89	86·29	9
10	84·64	84·14	83·74	83·14	83·46	84·84	85·34	83·83	82·93	82·43	82·63	84·63	86·83	86·52	80·84	79·79	81·09	85·09	92·39	89·79	86·34	10
11	84·59	83·74	83·14	82·44	82·61	83·14	83·64	83·53	82·41	81·58	81·83	82·83	84·18	83·83	80·09	78·49	78·79	82·59	86·29	85·49	82·39	11
12	82·74	82·19	81·84	81·44	81·84	83·11	83·85	81·63	80·93	80·38	80·58	82·23	84·83	84·84	78·29	77·29	77·29	82·99	88·79	88·54	85·49	12
13	83·36	82·59	82·02	81·54	81·94	82·74	83·14	82·42	81·13	80·33	80·63	83·03	84·09	83·51	78·89	76·99	77·69	83·57	88·29	86·69	81·99	13
14	82·44	81·77	81·34	80·94	81·34	82·34	82·94	81·23	80·25	79·53	80·03	81·98	83·63	83·48	77·59	76·09	76·69	83·19	88·49	86·74	83·49	14
15	82·42	81·96	81·45	81·26	81·64	82·84	83·54	81·48	80·63	80·06	80·78	82·95	84·78	84·63	78·69	77·39	79·19	85·24	90·89	88·39	84·74	15
16	83·04	82·44	82·04	81·75	82·02	83·44	84·54	82·23	81·33	80·53	81·13	83·43	86·03	85·68	79·39	77·89	78·79	85·99	92·09	91·19	85·99	16
17	83·94	83·14	82·74	82·04	82·74	83·79	84·84	83·23	81·93	81·33	81·73	84·43	86·28	86·23	80·34	78·29	78·79	82·29	93·24	91·49	86·69	17
18	84·14	83·64	82·87	82·48	82·84	83·84	84·64	83·43	82·58	81·53	81·60	84·23	85·89	85·39	80·39	79·19	79·05	83·29	92·09	89·79	84·79	18
19	83·84	82·94	82·54	81·99	82·24	83·14	83·44	82·73	81·53	80·93	81·12	82·35	84·06	83·88	79·39	77·89	77·79	82·59	86·89	85·99	83·69	19
20	82·76	82·06	81·39	80·94	81·19	82·14	82·94	81·43	80·43	79·53	80·03	81·81	83·63	83·48	77·59	76·39	77·39	83·19	88·09	86·99	83·59	20
21	82·42	81·94	81·64	81·44	81·64	82·74	83·44	81·68	80·93	80·43	80·83	82·91	84·83	84·53	79·39	78·19	78·39	85·49	89·99	88·09	84·29	21
22	82·74	82·14	81·53	81·33	81·64	82·61	83·14	81·83	80·93	80·18	80·72	82·93	84·11	83·63	78·69	77·09	78·39	85·39	89·49	86·89	82·99	22
23	82·40	81·94	81·32	81·04	81·34	82·74	83·36	81·43	80·43	79·68	80·33	82·16	84·71	84·53	78·09	76·79	77·69	83·99	90·24	88·39	85·49	23
24	82·99	82·34	81·64	81·34	81·64	82·14	82·14	82·23	81·23	80·43	80·78	82·33	82·43	81·93	79·39	77·74	77·89	84·59	84·49	82·19	79·39	24
25	81·04	80·39	79·64	79·64	80·04	81·14	81·44	79·51	78·53	77·78	78·73	81·43	82·43	82·13	75·09	73·69	76·19	84·24	86·29	84·24	81·19	25
26	80·94	80·19	79·84	79·24	79·63	80·44	80·64	79·63	78·63	77·73	78·43	80·23	80·83	80·43	75·69	73·99	74·99	81·94	83·74	81·19	78·59	26
27	79·64	79·04	78·34	78·04	78·40	79·94	80·84	77·93	76·93	76·08	77·13	79·43	82·13	82·03	73·39	72·09	72·99	82·99	88·19	86·39	81·99	27
28	80·54	79·84	79·44	79·04	79·74	81·09	82·04	79·33	78·43	77·83	78·23	81·28	83·38	83·28	76·49	74·79	75·19	82·19	89·79	87·99	83·99	28
29	81·54	80·69	80·29	79·84	80·14	80·54	81·04	80·53	79·33	78·73	79·13	80·73	81·43	81·38	72·19	75·69	76·29	82·19	89·99	83·29	80·69	29
30	80·54	80·14	79·84	79·44	79·84	80·95	81·49	79·73	79·03	78·43	79·03	81·43	82·63	81·43	72·19	75·99	76·69	84·14	88·29	85·59	82·29	30
Mean	83·09	82·46	81·95	81·58	81·96	82·97	83·58	82·16	81·19	80·48	80·99	83·02	84·62	84·34	78·64	77·54	78·21	84·58	89·55	87·58	84·06	Mean

* Direct. ** Retrograde § Complete Revolution (retrograde) 15h. to 16h.

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of APRIL 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.			River System No. 4.			River System No. 5.			
	Grand Gaube.	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte.*	Riche Fund.	Constance d'Arifat.	St. Julien. P.O.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
April 1d	Register not received.	0·15	0·07	...	...	...	...	0·05	0·05	0·25	...	0·08	0·17	...	...	0·18
2		0·05	0·34	0·14	0·05	0·01	...	0·11	0·15	0·36	0·15	0·44	0·25	0·10	0·32	0·25
3		...	0·08	0·18	0·28	0·02	0·20	0·07	0·18	...	0·34	...	0·10	0·13	0·51	...
4		...	...	0·36	0·09	...	0·12	...	0·14	0·28	...	...	...	0·18	...	...
5		...	...	...	0·03	...	...	...	...	...	0·05	...	...	...	0·35	...
6		...	...	...	...	0·03	...	0·71	...	0·10	0·09	...	0·14	...	...	...
7		...	0·10	...	0·02	0·02	0·18	0·07	0·27	0·42	0·04	0·19	0·31	...	...	0·26
8		0·07	...	0·14	0·18	0·53	0·20	0·02	0·38	0·33	0·62	0·10	0·20	0·12	0·33	0·02
9		0·12	0·22	0·04	0·03	0·62	...	0·03	0·12	0·80	0·30	...	0·29	0·04	...	0·07
10		0·20	0·09	0·07	0·20	0·86	...	0·70	0·05	1·88	0·13	1·20	0·20	0·10	0·10	0·49
11		...	0·02	0·23	0·19	0·51	0·64	...	0·92		1·73	1·10	1·18	0·92	1·91	0·53
12		0·02	0·05	...	0·14	0·02	0·08	0·11	0·04	1·83	0·90	0·15	0·75	0·71	1·23	0·62
13		0·12	...	0·19	0·16	1·05	0·92	...	1·04	0·07	0·28	...	0·07	0·78	2·43	...
14		0·06	...	0·08	...	...	0·08	...	0·02	0·10	0·12	...	0·25	...	...	...
15		...	...	...	...	0·02	...	...	0·12	0·18	0·38	0·79	0·11	0·06	0·08	...
16		...	...	...	...	0·03	0·04	...	0·13	0·03	0·78	...	...	...	0·24	...
17		...	...	...	...	...	...	0·02	0·11	0·58	0·10	0·14	0·08	0·34	0·09	0·11
18		...	...	...	...	0·77	1·12	...	1·15	0·40	0·32	...	...	0·06	...	...
19		...	...	...	0·05	...	...	...	...	...	...	...	...	...	...	...
20		...	...	...	...	...	...	0·04	...	0·43	...	...	...	...	...	...
21		...	...	0·05	0·04	0·01	...	...	0·10	...	0·07	...	...	0·45	0·46	0·52
22		...	...	...	...	...	...	0·05	0·04	...	...	...	0·08	...	...	...
23		0·34	0·01	0·08	...	...	0·12	...	0·09	0·27	0·05	0·21	0·13	0·07	...	0·02
24		0·03	1·04	0·22	0·06	...	0·36	0·19	0·14	0·32	0·55	...	0·22	0·09	0·38	...
25		0·02	0·30	0·25	0·34	4·85	...	0·04	0·47	...	...	...	...	...	0·13	...
26		...	...	0·23	0·20	0·53	0·50	...	0·01	0·03	...	...	...	...	...	...
27		0·31	0·03	...	...	...	...	0·06	...	...	...	...	...	...	...	...
28		...	...	0·07	0·04	...	...	0·06	0·02	...	...	0·05	0·16	...	...	...
29		...	0·36	0·41	0·22	...	...	...	0·34	...	0·17	...	0·95	...	0·08	1·32
30		...	0·01	0·24	0·10	0·17	0·44	0·13	0·24	1·00	0·65	0·45	1·26	3·51	1·33	0·07
Total ...	...	1·49	2·72	2·98	2·42	10·05	5·00	2·46	6·32	9·66	7·82	4·90	6·90	7·66	9·97	4·46

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of APRIL 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarraque.	Beau Bois.	Bel Ombre.	Chamarel.	Clarens.	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins,	
April 1d	0·04	0·10	0·25	0·26	0·10	...	...	...	...	0·26	0·08	...	0·02	0·40	0·02	...
2	0·06	0·10	0·34	0·17	0·08	...	0·02	...	...	0.26	0·21	0·06	...	0·67	0·02	...
3	0·02	...	0·15	...	0·05	0·53	0·37	0·75	0·73	0·46	0·29	0·22	0·38	0·67	0·09	...
4	...	...	0·07	0·18	...	...	...	...	...	...	0·21	0·24	0·18	...	0·52	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·02	...
6	0·09	0·21	0·15	...	0·30	...	0·10	...	...	0·14	0·08	...	0·14	0.11	0·03	...
7	0·22	0·12	0·20	...	0·20	...	0·14	...	...	0·05	0·07	0·16	0·02	0·12	0·02	...
8	...	0·11	0·35	0·07	0·05	...	0·02	...	0·04	0·15	0·24	...	0·11	0·23	0·01	...
9	...	...	0·09	0·28	...	0·18	0·20	...	...	0·03	0·47	...	0·03	0·33	0·20	...
10	...	...	0·10	0·43	...	0·13	0·20	0·36	0·66	...	0·08	0·18	0·01	0·60	0·08	0·04
11	0·78	1·55	2·67	0·28	2·21	...	...	...	...	0·08	...	...	...	0·84	0·02	...
12	0·22	0·29	1·40	0·94	0·18	0·70	0·18	...	...	0·04	1·08	...	0·16	2·45	0·12	...
13	0·18	1·27	0·07	0·18	0·10	...	...	...	...	...	0·72	0·33	...	...	...	...
14	0·20	0·15	0·09	...	0·03	0·33	0·04	...	...	0·02	0·25	...	0·01	0·02	...	...
15	0·07	0·16	0·10	...	0·08	0·05	...	...	...	...	0·03	...	0·01	...	...	...
16	...	...	0·08	0·76	...	...	0·26	...	0·08	...	...	...	0·01	...	...	2·00
17	0·02	...	0·11	0·09	0·18	...	0·39	1·95	0·19	...	...	...	0·01	0·67	...	...
18	...	...	...	...	...	...	...	...	...	...	0.16	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	0·03	...	...	...
20	...	0·42	0·11	0·31	0·17	...	...	...	...	...	...	...	...	0·15	...	...
21	...	...	...	...	0·03	...	...	...	...	...	0·08	...	0·01	...	...	...
22	...	0·04	0·03	0·09	0·17	...	...	...	...	0·03	...	...	0·01	0·04	...	...
23	0·18	0·09	0·06	0·19	...	...	...	...	...	...	0·07	...	0·01	0·07	...	...
24	...	...	1·25	0·09	0·09	...	0·02	...	...	0·20	0·31	...	0·01	3·20	...	...
25	0·03	...	...	0·08	...	...	...	...	...	...	0·38	...	0·41	0·08	...	0·17
26	...	...	0·02	...	...	...	...	...	...	...	...	0·08	0·02	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	0·01	...	...	0·40
28	...	0·05	0·02	...	...	...	...	...	...	...	...	...	0·01	...	...	...
29	0·84	1·98	...	2·40	1·50	...	...	...	...	...	0·06	...	0·03	0·20	0·02	...
30	0·83	...	0·60	0·24	1·13	...	0·10	0·05	0·72	0·32	0·03	...	0·01	0·19	...	...
Total ...	3·78	6·64	8·31	7·04	6·65	1·92	2·04	3·11	2·42	2·04	4·90	1·27	1·71	11·04	1·17	2·61

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.

APRIL 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending \ Day.	1d.	2d.	3d.	4d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	15d.	18d.	20d.	21d.	23d.	24d.	25d.	26d.	29d.	30d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	...	...	...	·010	...	...	...	...	·010	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	·075	...	...	...	...	...	...	...	...	...	·005	...	...	...	...	...	...	...	..
4	...	·010	...	·005	...	...	...	...	...	·005	...	...	...	·005	...	·020	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·065	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·230	...
8	...	...	...	...	·040	...	...	...	...	·125	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	·020	...	·015	...	...	·075	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·005	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	·010	...	·140	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·050	·230	·020	...	...
15	...	·190	...	...	...	...	...	·010	...	...	...	...	...	...	...	...	...	·150	...	...	·050	...
16	·060	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·040	·020	...	·030	...
17	...	·160	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·020
18	...	...	...	...	...	...	...	·015	·150	...	...	...	...	...	...	...	...	...	·130	...	...	...
19	...	·010	...	...	...	...	...	·015	...	...	...	...	·015	...	...	...	...	...	...	...	...	·010
20	·050	·010	...	...	...	...	...	...	·005	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	·040	...	...	...	·025	...	...	·045	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·030	...	...	...	...	...
Midnight	...	...	...	...	...	·150	·010	·050	...	...	·140	...	...	...	...	...	...	...	...	...	...	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1d.	2d.	3d.	4d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	14d.	15d.	17d.	18d.	20d.	21d.	22d.	23d.	24d.	25d.	28d.	29d.
	ins.	ins.	ns.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	·02	...	...	...	·03	...	...	·10	...	.01	...	...	·07	...	...	...
3	...	·01	...	...	...	...	...	...	·02	...	·11	...	...	...	...	...	...	...	...	·03	...	...	...
4	...	...	...	...	...	...	...	...	...	...	·83	...	...	...	·01	...	...	...	...	...	...	...	·01
5	...	·01	...	...	...	...	·03	·01	...	...	·56	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	·12	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	·13	·01	·01	...	...	...	·02	·01	...	...	...	...	...
8	...	·01	...	·01	...	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	·05	...	...	...	...	...	...	·07	...	.01	...	...	...	·01
10	...	...	...	...	...	...	...	...	...	...	...	...	...	·02	...	·10	...	...	...	...	...	...	...
11	...	...	...	...	·02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Noon	...	·01	...	...	·01	..	...	...	...	...	...	...	...	...	...	...	...	·01	...	...	...	...	...
13h	...	...	...	...	·06	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	·06	...	...	...	·03	...	...	...
15	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·01	...	...	...	...
16	·01	...	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·01	...
17	...	...	...	...	·01	...	·01	...	...	...	...	...	...	...	...	...	...	·02	...	·12	...	·01	...
18	...	·07	...	...	·01	...	...	...	·03	...	...	...	·11	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	·02	.	...	...	·02	...	...	·01	...	·01	...	...	...	...	...	...	...	...	·09
20	...	·01	...	...	...	·07	...	...	...	...	·01	...	...	...	...	...	...	...	...	·01	...	...	·48
21	...	...	...	...	...	·03	·03	...	...	...	·13	·01	...	...	...	·02	...	...	...	...	...	...	·94
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·02	...	·09
23	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·11
Midnight	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·02

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of APRIL, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	2·20	3·62	14
	2	Union	200	2·01	3·64	9
	3	St. Antoine ...	50	1·49	5·38	12
	4	Bel Mont	50	1·36	5·41	9
	5	Poudre d'Or ...	20	1·63	5·45	10
	6	Poudre d'Or Hospital	10	1·42	3·44	7
	7	Mon Loisir (R) ...	300	2·25	4·76	14
	8	Mon Loisir (S.E.) ...	300	1·14	4·52	4
	9	Forbach	300	1·92	3·57	13
	10	Labourdonnais ...	290	2·72	6·28	14
	11	Beau Séjour ...	300	2·98	7·52	17
	12	Mont Piton ...	860	4·03	7·48	18
	13	Mon Choix... ...	700	3·98	6·85	13
	14	Antoinette	640	3·78	6·46	16
	15	California	850	2·39	7·11	9
	16	Nouvelle Découverte	1,400	10·05	6·90	17
	17	Mon Songe... ...	620	4·46	7·73	22
	18	La Grande Rosalie ...	643	4·13	7·35	10
	19	The Mount... ...	325	3·41	5·89	10
	20	Botanical Gardens ...	225	2·42	5·77	19
	21	Beau Plan ...	195	3·04	4·48	13
	22	The Observatory ...	179	2·81	4·58	22
	23	Solitude	175	2·41	2·48	8
	24	St. André	90	3·35	3·27	6
	25	Belle Vue Harel ...	350	3·40	4·05	11
	26	Mont Choisy ...	10	2·89	3·73	11
	27	Belle Vue Pilot* ...	...	4·76	...	15
2&3	1	Union (Régnard) ...	600	4·44	8·04	16
	2	La Grande Retraite..	350	3·43	7·35	16
	3	Constance d'Arifat...	100	2·46	6·66	17
	4	St. Julien P.O. ...	1,050	6·32	6·15	25
	5	Rich Fund * ...	600	5·00	...	30
4	1	Sans Souci	900	9·66	13·90	20
	2	Etoile	400	7·82	11·11	21
	3	Beau Champ ...	20	4·90	6·63	12
	4	Belle Rive * ...	400	7·52	...	20
	5	Olivia *	400	6·12	...	17
	6	Deep River* ...	350	7·64	...	18
5	1	Rose Belle* ...	850	6·90	...	20
	2	Cent Gaulettes ...	500	7·70	12·98	17
	3	St. Hubert * ...	400	9·93	...	14
	4	Riche-en-Eau ...	460	7·66	9·23	16
	5	Ferney	20	9·97	9·80	16
	6	Beau Vallon (R) ...	60	4·46	5·25	13
5 (cont.)	7	Union Vale... ...	200	5·50	5·61	12
	8	Mon Désert(Carié).*	75	4·99	...	...
	9	Riche Bois	1,420	8·34	8·15	30
6	1	Kanaka	2,000	7·15	10·86	17
	2	Tivoli ...	1,300	8·49	10·96	18
	3	La Flora*	1,050	8·31	...	23
	4	Britannia (No. 1)...	730	6·64	10·74	15
	4 a	Britannia (No. 2)†*	600	5·21	...	...
	5	Gros Bois	500	5·84	11·52	21
	6	Savannah (Residence)	200	4·94	7·46	11
	7	Savannah, (Mill) ...	200	5·18	6·03	15
	8	St. Aubin	300	3·78	8·93	15
	9	Union Bel Air ...	90	4·55	8·61	13
	10	Beau Bois	350	6·65	8·59	18
	11	Labarracq * ...	250	7·04	...	18
	12	St. Avold * ...	900	7·47	...	15
	13	Terracine *... ...	100	4·49	...	11
7,8&9	1	Bel Ombre * ...	50	1·92	...	6
	2	Chamarel ...	400	2·04	5·18	13
10		No returns ...				
11	1	Les Gorges... ...	...	3·13	2·95	14
	3	Curepipe Gardens ...	1,840	1·73	10·47	18
	4	Mare-aux-Vacoas ...	1,850	4·90	12·36	20
	5	La Marie Filter Bed.	1,700	2·68	6·90	16
	6	Réunion	1,420	2·04	7·33	12
	7	Tamarin *	150	2·42	...	6
	8	Clarens *	150	3·11	...	4
12	1	The Manse ...	850	1·55	3·11	11
	2	The Bower	1,080	2·40	3·94	17
	3	Le Réduit (D.of A.)	1,000	1·71	4·41	24
	4	Alma	1,460	11·04	11·74	19
	5	Minissy*	1,150	2·69	...	9
	6	Bagatelle ...	1,250	3·79	6·01	14
	7	Highlands	1,300	3·03	4·36	14
	8	Trianon	950	1·73	6·25	8
	9	Salency	923	1·27	3·94	7
	10	Military Camp (V.)..	1,370	1·17	5·35	13
	11	La Ferme * ...	350	2·61	...	4
	12	Bon Air	1,050	2·23	5·84	10
	13	Val Ory	1,100	2·70	4·44	22
13	1	Salines (Roche Bois)§	10	...	...	...
	2	The Albion Dock ...	18	2·04	2·30	8
	3	Line Barracks ...	10	2·96	3·82	6

* Normals not available § Record not received † Bon Acceuil.

TABLE XV.—STATE of SEA on the reefs at eight STATIONS round the COAST of MAURITIUS.

(*The direction of the wave, if any, is given for Port Louis only.*)

Day 1915.	Port Louis (N. to W.N.W.)	Trou aux Biches (N. to S.W.)	Grand Gaube (N. to S.E.)	Poudre d'Or (N.N.E. to E.S.E.)	Old Grand Port (E. to S.E.)	Souillac (South)	Baie du Cap (S.S.W.)	Case Noyale (W. to S.W.)
April 1	heavy (N.W.)	trem.	calm	calm	calm	calm	calm	calm
2	mod. (N.W.)	mod.	,,	,,	light	,,	...	...
3	,,	trem.	...	...	calm	,,	light	light
4	...	mod.	...	calm	,,	,,	calm	calm
5	...	trem.	...	,,	,,	,,	,,	,,
6	...	mod.	calm	,,	,,	,,	,,	,,
7	...	calm	,,	,,	,,	,,	,,	,,
8	...	,,	,,	,,	,,	,,	,,	,,
9	...	,,	,,	,,	,,	,,	,,	,,
10	...	,,	,,	,,	,,	,,	,,	,,
11	...	mod.	...	...	,,	,,	,,	,,
12	...	calm	calm	calm	,,	mod.	light	light
13	calm	,,	,,	,,	,,	calm	calm	calm
14	,,	,,	...	,,	,,	,,	,,	,,
15	,,	,,	...	,,	,,	,,	,,	,,
16	,,	,,	...	,,	,,	,,	,,	,,
17	,,	mod.	...	,,	,,	,,	light	light
18	...	calm	...	...	,,	,,	calm	calm
19	calm	,,	...	calm	,,	,,	,,	,,
20	,,	,,	...	,,	,,	,,	,,	,,
21	,,	,,	...	,,	,,	,,	,,	,,
22	,,	trem.	...	,,	,,	,,	,,	,,
23	,,	mod.	...	,,	,,	,,	,,	,,
24	,,	light	...	,,	,,	,,	,,	,,
25	...	,,	...	,,	,,	,,	,,	,,
26	calm	calm	...	,,	,,	,,	,,	,,
27	,,	,,	...	,,	,,	,,	,,	,,
28	,,	,,	...	,,	,,	,,	,,	,,
29	,,	,,	...	,,	,,	,,	,,	,,
30	,,	,,	...	,,	,,	,,	,,	,,

TABLE XVI.—DAILY OBSERVATIONS received by CABLEGRAM from the reporting station at RODRIGUES in charge of the SUPERINTENDENT of the EASTERN TELEGRAPH COMPANY.

Day 1915.	Barometric Pressure at 9 a.m. (corrected for Temperature.)	Wind. Direction at 9 a.m.	Wind. Number of miles run for 24 hours.	Amount of Rain measured at 9. a.m.	Weather.
	ins.		miles.		
April 1	29·866	E.	383	·72	fine; clear.
2	853	E.b.N.	477	·35	var: & showery.
3	873	E.b.N.	405	·00	fine.
4	876	S.E.	314	·00	cloudy.
5	793	E.	326	·00	fine.
6	702	S. W.	229	·39	cloudy.
7	780	W.	205	·00	,,
8	812	N.E.	65	·37	fine.
9	838	S.E.b.E.	178	·28	var: & showery.
10	921	E.	212	·21	cloudy.
11	912	E.S.E.	160	·02	var: & showery.
12	817	S.E.	331	·38	fine.
13	765	S.E.	140	·05	cloudy; occ: rain
14	849	E.b.N.	300	·60	fine.
15	887	E.	195	·00	,,
16	881	E.	174	·03	fine; clear
17	883	E.S.E.	108	·00	fine.
18	899	E.S.E.	157	·01	,,
19	906	S.E.	208	·01	fine; clear
20	866	E.b.S.	257	·00	cloudy.
21	837	S.S.E.	185	·00	,,
22	828	S.S.E.	106	·03	fine.
23	814	E.S.E.	151	·10	fine; clear.
24	807	E.b.N.	164	·05	fine
25	784	S.W.	207	·52	showery.
26	822	N.E.	88	1·18	fine
27	800	E.b.N.	41	·00	,,
28	831	E.S.E.	131	·00	,,
29	843	E.	196	·02	,,
30	821	E.b.N.	175	·13	,,
Mean	29·839	...	209	5·45	.....

NEW SERIES (MONTHLY). VOL. I. PART 5. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

MAY, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS

1915.

NEW SERIES (MONTHLY). VOL. I. PART 5. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

MAY, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS

1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1915.

Month and Day. 1915.	Barometric Pressure. Mean	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
May 1	29·767	−·077	83·2	69·0	14·2	75·5	+1·8	72·7	70·7	+ 4·1	85	+ 6	·750	64·4	0·040	15	·140	4·3
2	29·801	−·045	83·4	70·9	12·5	76·2	+2·6	71·9	68·9	+ 2·4	78	− 1	·705	68·1	0·005	5	·185	5·5
3	29·809	−·041	81·6	68·3	13·3	74·1	+0·6	69·4	65·9	− 0·5	76	− 3	·636	60·4	0·000	...	·170	4·8
4	29·813	−·039	82·6	67·1	15·5	75·0	+1·6	70·9	67·9	+ 1·7	79	+ 1	·681	60·5	0·000	...	·180	2·7
5	29·808	−·046	84·0	70·4	13·6	76·5	+3·2	73·1	70·8	+ 4·7	83	+ 5	·752	63·9	0·000	...	·180	2·2
6	29·814	−·043	84·6	70·9	13·7	76·8	+3·6	72·5	69·4	+ 3·4	78	0	·717	65·7	0·000	...	·160	3·3
7	29·839	−·020	80·4	68·0	12·4	73·9	+0·8	67·1	62·1	− 3·7	67	−11	·557	60·3	0·000	...	·160	3·8
8	29·859	−·003	80·7	67·3	13·4	73·5	+0·5	66·8	61·9	− 3·8	67	−11	·553	57·9	0·000	...	·220	3·0
9	29·851	−·013	79·4	69·5	9·9	73·6	+0·7	68·3	64·4	− 1·2	73	− 5	·604	65·7	0·035	50	·195	2·7
10	29·837	−·030	82·0	70·0	12·0	74·3	+1·5	70·3	67·3	+ 1·8	79	+ 1	·667	66·2	1·400	285	·143	5·9
11	29·803	−·066	79·6	71·3	8·3	75·3	+2·7	71·7	69·1	+ 3·8	81	+ 3	·710	67·5	0·440	80	·123	9·8
12	29·806	−·066	79·6	73·3	6·3	76·0	+3·5	70·5	66·5	+ 1·4	73	− 5	·649	70·6	0·030	15	·160	9·2
13	29·805	−·070	79·1	73·4	5·7	75·4	+3·0	71·4	68·4	+ 3·5	79	+ 2	·693	70·8	0·000	...	·152	9·6
14	29·831	−·047	81·3	70·5	10·8	75·0	+2·7	71·8	69·3	+ 4·6	83	+ 6	·715	65·3	0·000	...	·120	0·1
15	29·857	−·023	81·4	69·1	12·3	74·8	+2·6	71·4	68·9	+ 4·3	82	+ 5	·705	63·9	0·000	...	·140	4·6
16	29·896	+·014	75·6	67·6	8·0	71·3	−0·8	67·3	64·2	− 0·3	79	+ 2	·599	62·1	0·000	...	·130	8·1
17	29·977	+·092	75·2	58·9	16·3	69·1	−2·9	61·8	56·1	− 8·2	63	−14	·450	52·0	0·000	...	·190	2·5
18	29·988	+·100	76·6	55·5	21·1	66·7	−5·2	61·2	56·7	− 7·5	71	− 6	·459	47·7	0·000	...	·170	3·9
19	29·992	+·102	77·5	62·1	15·4	69·6	−2·1	65·0	61·2	− 2·8	75	− 2	·539	55·1	0·000	...	·100	7·0
20	30·015	+·123	78·1	65·4	12·7	72·0	+0·4	66·1	61·6	− 2·3	70	− 7	·547	60·4	0·030	10	·150	5·8
21	30·002	+·107	77·8	64·3	13·5	71·9	+0·4	66·9	63·2	− 0·6	74	− 3	·579	57·3	0·240	55	·170	6·0
22	29·998	+·101	77·6	65·2	12·4	71·7	+0·3	67·3	64·0	+ 0·4	77	0	·595	56·8	0·080	40	·100	7·0
23	29·966	+·066	77·6	67·9	9·7	71·7	+0·5	67·7	64·6	+ 1·2	79	+ 2	·608	65·0	0·270	105	·240	7·3
24	29·941	+·039	77·8	66·9	11·0	71·9	+0·8	68·2	65·5	+ 2·2	80	+ 3	·627	62·7	0·350	140	·210	6·5
25	29·960	+·055	77·6	69·9	7·7	73·2	+2·2	67·5	63·2	0·0	71	− 6	·579	65·1	0·040	25	·220	5·7
26	29·957	+·049	77·6	66·3	11·3	71·6	+0·7	67·4	64·4	+ 1·4	78	+ 2	·604	60·1	0·025	20	·195	4·6
27	29·921	+·011	80·0	65·5	14·5	72·0	+1·2	68·7	66·4	+ 3·6	82	+ 6	·647	58·7	0·000	...	·100	4·7
28	29·934	+·021	79·5	67·4	12·1	72·7	+2·1	69·1	66·4	+ 3·8	81	+ 5	·647	64·3	0·140	45	·180	5·1
29	29·954	+·039	77·5	68·0	9·5	72·6	+2·1	68·7	65·7	+ 3·2	79	+ 3	·631	61·2	0·020	10	·120	6·4
30	29·944	+·027	77·7	70·5	7·2	73·8	+3·4	71·2	69·3	+ 6·9	86	+10	·715	67·4	0·150	65	·060	9·3
31	29·887	−·033	79·0	68·5	10·5	73·5	+3·2	70·2	67·7	+ 5·4	82	+ 6	·677	64·2	0·030	20	·130	5·6
Mean	29·891	+·009	79·5	67·7	11·8	73·3	+1·3	68·8	65·5	+ 1·0	77·1	−0·2	·632	62·3	Sum 3·325	Sum 985	·164	5·6
Average	29·882	...	79·0	66·1	12·9	72·0	...	67·7	64·5	...	77·3	...	·606	60·4	3·268	1457	·143	4·8
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of May

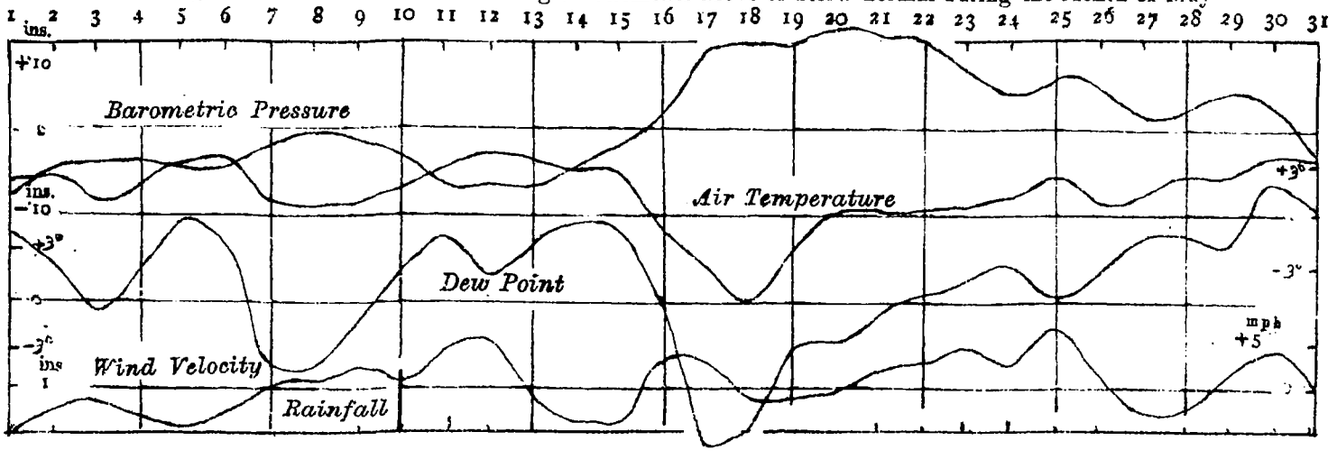


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
May 1	8·5	75	− 1·8	+ 3·7	64	4·1	− 3	− 4·6	4·8	− 5·7	78·3	80·8	80·78	80·76	81·78	b. : f. :ogp: c.
2	7·0	62	− 6·7	+ 4·4	33	8·0	− 34	− 0·7	8·2	− 2·3	78·3	80·9	81·61	81.69	82·71	c. : f. : c. : f. : b.
3	8·3	74	− 5·1	+ 6·8	53	8·4	− 14	− 0·3	8·9	− 1·6	78·3	80·8	80·93	80.48	80·55	b. : f. : c.
4	11·0	97	− 0·7	+ 6·1	84	6·2	+ 17	− 2·6	6·9	− 3·5	78·0	81·2	80·98	80·92	81·79	f. : b.
5	10·9	96	− 0·3	+ 5·1	87	5·1	+ 21	− 3·7	5·7	− 4·7	78·1	80·8	81·69	81·99	83·60	f. : b. : b. : b.l.
6	9·7	86	− 3·8	+ 1·0	15	3·9	− 51	− 4·9	7·3	− 3·1	78·3	80·8	82·49	82·34	84·73	b. : b. : c. : f. : b.
7	9·6	85	− 7·4	+ 7·4	45	10·5	− 21	+ 1·7	10·8	+ 0·4	78·3	80·7	82·62	82·08	82·21	b. : f. : c. : b. : c. : f.
8	10·6	95	− 6·8	+ 8·2	50	10·6	− 16	+ 1·8	10·8	+ 0·4	78·3	80·7	81·19	80·67	80·84	f. : b : f. : c. : f.
9	9·0	80	− 7·1	+10·0	55	12·2	− 11	+ 3·4	12·5	+ 2·1	78·3	80·7	81·05	80·57	80·80	f. :c.p.: f.q: b.q.
10	7·8	70	− 2·4	+ 8·6	74	8·9	+ 8	+ 0·1	10·5	+ 0·2	78·3	80·7	80·58	80·11	79·79	b. : f : c.g.d. :o.g.r.q.
11	1·0	9	− 2·2	+13·9	81	14·1	+ 16	+ 5·3	14·6	+ 4·3	78·3	80·7	79·64	78·47	76·94	o.g.r.q. : o.g.
12	1·5	13	+ 0·8	+15·4	93	15·4	+ 28	+ 6·6	15·6	+ 5·3	78·1	80·7	78·48	77·65	76·80	o.g.p. : c.q. : c.
13	0·0	0	+ 1·5	+ 8·4	100	8·6	+ 35	− 0·2	8·7	− 1·6	78·3	80·5	77·69	76·63	75·48	o. : o.g.
14	3·3	29	+ 1·0	+ 5·6	100	5·7	+ 35	− 3·2	6·4	− 3·8	78·1	80·4	77·63	77·08	77·22	f. : c. : f.
15	6·7	60	− 0·4	+ 5·0	85	5·0	+ 20	− 3·9	5·5	− 4·7	78·5	80·6	78·46	78·36	79·35	f.
16	0·9	8	−11·1	+ 8·2	37	13·8	− 28	+ 4·9	13·9	+ 3·7	78·3	80·4	78·68	77·88	76·32	f. : c.q.
17	10·1	91	−10·6	+ 7·6	36	13·0	− 29	+ 4·1	13·2	+ 3·0	79·0	80·7	77·42	76·55	76·34	f. b. : f. : f.q: b.
18	9·6	86	− 5·5	+ 5·7	46	7·9	− 18	− 1·1	8·7	− 1·5	78·9	80·4	76·55	75·44	75·99	f. : b. : c. : f.
19	6·4	58	− 5·1	+ 6·4	51	8·2	− 13	− 0·8	8·9	− 1·2	78·5	80·5	76·81	76·10	75·98	f. : c.g. : c.
20	8·2	74	− 4·3	+ 7·6	60	8·7	− 4	− 0·3	9·5	− 0·6	78·5	80·5	77·01	76·48	76·68	c.p. : f.
21	7·9	71	− 3·0	+11·1	75	11·5	+ 11	+ 2·4	12·1	+ 2·0	78·2	80·2	76·72	75·74	74·39	f. c.p. : c. : c.p.q. : f.
22	8·0	72	− 3·1	+11·7	75	12·1	+ 11	+ 3·0	12·8	+ 2·7	78·3	80·1	75·48	74·56	73·66	f. :c.p.q:f. : c. : c.p.q. : c.
23	7·3	66	− 4·1	+13·1	73	13·8	+ 9	+ 4·7	14·2	+ 4·1	78·3	80·0	75·36	74·57	74·03	c.p. : c.q. : c. : c.p.q.
24	9·7	88	− 4·6	+11·0	67	11·9	+ 3	+ 2·7	12·6	+ 2·4	78·3	79·9	75·28	74·56	75·00	c.p.: f. :c.p.: f. : o.g.p.q.
25	9·5	86	− 3·9	+15·7	76	16·2	+ 13	+ 7·0	16·8	+ 6·6	78·3	80·0	75·67	75·14	75·04	c.g.q. :c.g.: f. : c.f.q. : f. :c.p
26	9·9	90	− 3·0	+10·7	74	11·1	+ 11	+ 1·8	11·5	+ 1·3	78·3	79·7	75·55	74·98	74·92	c.p.: f. : f.q. : f.
27	6·4	58	− 2·1	+ 6·6	72	6·9	+ 9	− 2·4	7·4	− 2·8	78·1	79·8	75·53	75·25	75·51	f. : c. : f.
28	10·3	94	− 4·0	+ 6·7	59	7·8	− 4	− 1·5	8·1	− 2·1	78·1	79·7	76·48	76·36	77·49	cpg:c.g: f.
29	7·9	72	− 2·1	+11·6	80	4·7	+ 17	− 4·7	12·1	+ 1·8	78·1	79·8	76·35	75·42	75·28	f. :cpq: c.q. : c.p.
30	2·1	19	− 0·8	+14·3	87	14·3	+ 25	+ 4·9	14·5	+ 4·2	78·1	79·4	75·86	75·23	74·73	o.g.q. : c.p.q. : c.l.t.
31	9·1	83	− 1·3	+ 9·8	82	9·9	+ 20	+ 0·4	10·1	− 0·2	78·1	79·4	75·94	75·92	76·75	o.l.p.t. : c. : f.
Mean -	7·36	66·0	− 3·56	+ 8·63	67·6	9·33	+2·9	+0·33	10·44	+0·17	78·26	80·37	78·27	77·74	77·83	...
Average	7·51	67·4	− 3·85	+ 8·13	64·7	9·00	...	...	10·27	...	78·00	79·43	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The meteorological conditions for the month were characterised by violent fluctuations in all elements.

Mean daily pressure ranged from 0·077 in. below normal on the 1st. to 0·123 in. above normal on the 20th. ; mean daily air temperature from 3°·6 above on the 6th. to 5°·2 below on the 18th. ; dew point from 8°·2 below on the 17th. to 6°·9 above on the 30th. and wind velocity from 5·7 m.p.h. below on the 1st. to 6·6 m.p.h. above normal on the 25th. Unusually high wind velocities for the time of year were experienced about 15^h on the 16th.

The highest dew point temperature was 74°·2 at 15^h. on the 1st. ; and the lowest 50°·8 at 5^h. on the 18th.

The highest relative humidity was 95°·9 % at 0^h. on the 11th. and the lowest 49·7 at 8^h. on the 18th.

The conditions have not been altogether unfavourable for the growing crops ; rain has been generally sufficient, although the chronological distribution remains defective. Temperature was above normal on all days except from the 16th. to the 19th., the excess above average of the mean daily temperature being 1°·2. The cold period from the 16th. to the 19th. caused the soil temperatures to fall rapidly and they did not completely recover by the end of the month.

The rainfall for the month was 1% above normal at the Observatory. The percentage variation from the normal in other parts of the Island was as follows :—

Northern Districts	River System 1,	4 % above normal	
Eastern Districts	,, ,, 2, 3, 4.	14 % below ,,	
South-Eastern Districts	,, ,, 5, 6	1 % below ,,	
Western Districts	River System 11	5 % below	
	,, ,, 12	1 % above	
	,, ,, 13	12 % below	

* South (0°) ; East (90°) ; North (180°) ; West (270°).

TABLE II.—DAILY RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of MAY 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′				h m	h m	h m	mm	h m	h m	h m	mm	
May 1	9·40·3	·23238	·30873	7·6	51	25	1400	9·9·9	10·7·1	...	12·0	9·12·1	10·1·2	...	6·0	P_2 9·17·0 in E.W. (*See* note on page xvii).
2	40·1	221	873	5·6	35	16										
3	41·3	227	868	8·4	28	21	1401	...	...	...	...	8·23·2	8·41·3	8·59±	0·5	
4	40·5	230	863	6·6	37	12										
5	40·6	230	862	8·4	22	15										
6	40·7	237	858	7·2	20	16										
7	41·1	239	860	8·0	20	19										
8	40·8	241	857	8·2	11	26										
9	40·7	244	855	7·0	20	27										
10	40·8	246	856	3·8	22	10										
11	40·7	241	854	4·0	14	16										
12	40·6	235	855	2·8	20	12	1402	14·54·4	15·11·4	...	2·5	14·49·1	15·10·4	...	2·0	
13	40·9	244	855	3·4	33	14										
14	40·9	239	852	4·6	17	15										
15	40·9	238	850	5·6	43	20										
16	40·8	234	849	6·8	45	26										
17	40·4	222	854	5·2	51	11										
18	40·3	232	855	5·0	26	15										
19	40·7	236	856	5·8	21	13										
20	40·6	235	856	7·0	38	18										
21	40·6	225	857	4·2	35	18	1403	...	...	...	...	8·31±	8·35± 8·36±	...	0·9	
22	40·6	231	851	6·4	31	27										
23	41·0	227	849	7·8	24	27										
24	40·4	229	847	6·0	21	23										
25	40·7	234	846	5·4	34	25										
26	40·5	238	847	5·8	45	25										
27	40·4	221	848	6·0	60	23										
28	41·1	227	848	5·8	30	16										
29	41·0	237	846	2·6	18	17										
30	41·1	228	847	6·6	28	25										
31	41·2	234	845	4·0	32	18										
Mean	9·40·72	·23234	·30855	5·86	30·1	19·1	...	...	...	...	...	...	...	...	...	...

* Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of MAY 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.	MAGNETIC DISTURBANCES. Element.	Time of. Beg:	Time of. End.	Time of. Max:	Time of. Min:	Total Range
d h m	° ′	d h m		d h m	° ′		d h m	d h	d h m	d h m	
May 4. 8.43	9.43· 5	May 4. 9.37	·23232	May 1. 9.47	53. 2·2	Hor. Force	1.21	3. 6	2. 7	2. 0 ½	40γ
13.52	9.38· 1	13.08	·23245	5. 9.52	53. 0·6	,, ,,	16.18	18. 0	17. 7	17.14	54γ
12. 8.25	9.41· 0	12. 9.29	·23215	8. 9.24	53. 0·8	,, ,,	27.19.19	28. 4	28. 0 ½	27.20 ½	47γ
13.48	9.39· 6	13.11	·23238	11.11. 7	52.58·8						
18. 8.37	9.42· 0	18. 9.34	·23246	15.12.10	52.59·2						
13.51	9.37· 6	13.12	·23236	20.13.22	52.59·8						
25. 8.39	9.41· 1	25. 8.58	·23240	22.10.29	53. 0·7						
13.48	9.39· 7	12.58	·23241	27.10.52	53. 3·3						

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

May 1915.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	ins. 29·000																
Midnight	776	792	834	821	832	832	832	862	862	857	827	819	804	812	857	862	Midnight
1h	761	790	822	811	821	822	830	859	857	844	817	807	795	820	861	849	1h
2	754	784	812	799	811	830	827	849	842	840	802	792	792	804	857	834	2
3	733	782	802	795	804	821	812	840	837	830	784	780	787	792	842	834	3
4	736	786	795	797	805	813	813	841	832	823	786	773	792	795	842	831	4
5	742	785	792	792	805	793	818	840	838	823	783	772	791	802	842	832	5
6	747	790	799	803	815	805	826	847	857	842	791	779	795	812	852	853	6
7	770	804	813	821	830	824	843	872	872	860	806	793	812	829	863	885	7
8	782	821	832	835	834	831	859	883	888	877	829	811	831	847	886	904	8
9	790	825	839	842	838	843	869	894	898	876	834	821	834	864	894	922	9
10	798	831	842	849	831	839	869	892	894	878	840	843	834	862	894	934	10
11	790	814	830	828	812	818	858	883	873	858	820	825	838	850	892	923	11
Noon	776	802	813	812	793	802	848	861	848	839	798	813	813	835	868	908	Noon
13h	753	792	800	793	783	786	818	843	827	813	783	788	798	819	843	892	13h
14	733	775	779	781	760	772	800	822	814	800	777	787	775	804	822	885	14
15	725	762	772	775	758	775	800	822	812	791	771	782	784	809	828	877	15
16	740	762	780	780	763	787	805	827	812	797	767	784	762	812	829	877	16
17	750	779	792	791	774	795	822	840	822	812	772	799	782	808	833	886	17
18	762	795	801	800	789	809	835	850	837	827	790	812	787	822	841	907	18
19	781	812	801	812	800	809	850	862	842	837	805	822	812	849	845	929	19
20	792	830	802	837	820	822	862	872	861	847	824	842	817	867	862	941	20
21	803	831	821	841	837	831	872	884	869	852	827	840	825	872	870	960	21
22	801	836	822	840	839	835	872	884	871	837	830	834	835	867	870	962	22
23	798	835	821	842	832	837	874	878	862	837	825	829	829	862	870	962	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	ins. 29·000																
Midnight	969	1010	989	1019	1026	1034	992	965	950	989	950	936	963	961	952	903	Midnight
1h	956	1005	987	1017	1017	1020	979	960	950	984	945	930	957	959	942	896	1h
2	949	998	969	996	995	1018	969	949	943	969	919	909	948	949	932	885	2
3	941	989	959	986	989	1018	969	938	935	955	909	893	939	939	908	876	3
4	943	989	959	984	980	1015	955	933	936	956	912	900	935	930	893	874	4
5	946	989	969	991	981	1011	954	931	936	953	919	905	936	930	888	874	5
6	959	991	980	1005	999	1016	963	938	944	961	924	908	938	933	901	883	6
7	981	1002	992	1032	1011	1017	972	949	960	972	942	930	957	942	900	899	7
8	992	1012	1018	1045	1017	1023	993	962	975	975	952	953	973	953	922	913	8
9	999	1023	1029	1064	1022	1026	1007	974	993	989	959	968	987	975	933	924	9
10	998	1022	1022	1058	1023	1028	1016	972	988	983	960	972	992	980	923	925	10
11	993	1008	1008	1036	1009	1023	983	958	973	963	943	953	981	955	902	910	11
Noon	975	982	992	1022	992	997	957	942	965	949	917	942	958	940	872	895	Noon
13h	962	960	972	997	972	972	941	917	947	933	895	911	942	932	852	872	13h
14	947	950	971	984	970	951	931	901	936	922	871	910	933	910	836	858	14
15	946	948	954	986	956	950	926	894	936	916	870	897	923	914	828	854	15
16	952	944	960	988	958	950	931	904	941	920	871	897	921	916	831	857	16
17	971	953	972	997	971	951	941	910	946	930	876	910	931	928	836	867	17
18	981	958	986	1006	986	963	948	929	954	938	891	929	942	931	846	879	18
19	996	978	1001	1017	1006	976	961	934	970	950	911	953	952	940	854	892	19
20	1013	991	1020	1025	1020	989	971	956	983	967	933	974	970	951	866	907	20
21	1020	1005	1026	1034	1041	1004	981	961	987	971	947	974	973	961	868	916	21
22	1020	1011	1023	1041	1046	1011	981	961	991	971	950	979	974	970	873	917	22
23	1014	1004	1024	1031	1056	1004	976	954	991	966	943	971	971	956	878	914	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

May 1915.

Day. / Hour.	1d. Air.	1d. Evaporation.	2d. Air.	2d. Evaporation.	3d. Air.	3d. Evaporation.	4d. Air.	4d. Evaporation.	5d. Air.	5d. Evaporation.	6d. Air.	6d. Evaporation.	7d. Air.	7d. Evaporation.	8d. Air.	8d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	71·8	70·6	74·0	72·2	70·8	68·1	69·9	68·1	72·5	71·3	71·8	70·6	73·4	69·2	68·0	65·1	Midnight
1h	70·8	69·8	73·5	72·1	70·2	68·0	69·9	67·9	72·0	70·9	71·5	70·2	72·7	69·2	67·5	64·4	1h
2	70·7	69·5	73·2	71·5	69·4	67·2	70·2	68·3	71·7	70·7	71·5	70·2	72·6	68·7	67·9	64·6	2
3	70·3	69·2	73·5	72·0	69·6	67·1	69·9	68·2	71·0	69·8	71·2	69·8	73·2	68·4	70·1	65·4	3
4	69·7	68·6	74·3	72·2	68·9	66·2	67·6	66·1	71·6	70·6	71·1	70·1	72·8	67·6	68·5	64·6	4
5	69·4	68·1	73·7	72·3	68·6	66·2	67·2	65·3	70·7	69·6	72·1	71·1	72·6	67·6	68·5	64·0	5
6	69·2	68·0	73·9	72·0	69·2	66·4	67·9	66·1	70·5	69·2	71·7	70·2	70·2	66·6	68·7	64·0	6
7	69·7	69·1	74·9	71·6	70·7	67·5	68·7	67·6	71·7	71·1	72·2	71·1	71·4	65·1	67·9	64·1	7
8	74·2	72·5	77·7	73·2	74·7	69·1	75·2	71·8	77·4	75·5	77·2	75·2	75·3	66·7	73·4	66·3	8
9	78·6	74·1	80·4	74·3	77·7	70·3	78·8	73·2	80·1	75·6	80·0	76·2	76·5	67·1	76·8	66·5	9
10	81·4	75·1	80·7	74·1	79·2	70·7	79·8	72·2	82·1	75·5	81·3	75·6	78·1	66·1	78·5	67·1	10
11	82·7	76·1	82·0	74·5	80·2	71·3	80·9	73·2	83·4	76·4	83·2	77·1	79·2	67·2	79·2	68·0	11
Noon	82·2	76·6	81·7	74·0	81·2	71·6	81·5	73·3	82·7	75·6	84·4	76·7	80·0	67·9	80·2	68·1	Noon
13h	81·5	76·3	80·8	73·7	80·9	72·2	82·3	74·0	82·8	75·6	84·3	77·1	78·6	68·3	80·0	68·1	13h
14	82·1	76·1	80·6	74·4	81·1	72·8	82·3	73·6	83·8	76·5	83·6	77·1	79·1	68·1	79·6	68·1	14
15	83·2	77·8	80·1	73·6	79·6	72·2	82·1	74·0	83·3	76·1	83·1	74·3	78·2	66·3	79·1	68·0	15
16	78·7	74·5	80·6	73·3	78·4	71·1	82·2	74·2	81·4	75·1	80·6	73·9	77·3	67·7	77·6	67·6	16
17	77·6	75·5	78·1	71·8	76·6	71·1	79·6	73·5	79·8	75·0	79·6	75·3	75·6	68·1	75·9	68·1	17
18	77·0	74·7	75·5	70·7	74·6	70·8	76·1	72·3	78·0	74·8	76·6	71·1	72·6	67·4	74·9	68·6	18
19	75·3	73·7	73·9	69·8	72·5	70·2	74·5	71·8	76·0	73·8	75·8	69·6	71·0	67·0	73·2	68·7	19
20	74·8	73·2	72·4	69·4	73·3	69·4	73·2	71·2	74·7	72·8	75·7	69·3	68·6	65·8	72·5	68·5	20
21	73·8	72·3	72·2	69·3	71·8	69·2	72·7	70·8	74·1	72·2	75·5	70·5	68·8	65·7	71·5	68·3	21
22	72·8	71·3	71·0	68·3	70·8	68·5	72·2	70·7	72·6	71·2	74·9	69·2	69·3	66·3	71·5	68·3	22
23	73·5	72·2	71·2	68·3	69·9	68·2	73·5	72·0	72·3	70·9	73·8	69·4	68·8	65·5	70·9	68·1	23

Day. / Hour.	9d. Air.	9d. Evaporation.	10d. Air.	10d. Evaporation.	11d. Air.	11d. Evaporation.	12d. Air.	12d. Evaporation.	13d. Air.	13d. Evaporation.	14d. Air.	14d. Evaporation.	15d. Air.	15d. Evaporation.	16d. Air.	16d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	70·9	67·5	71·5	68·3	71·6	70·9	74·5	71·5	74·8	69·5	74·0	71·6	71·1	69·4	69·8	68·6	Midnight
1h	70·5	67·3	71·2	68·1	71·9	70·8	74·7	71·8	74·8	69·2	73·1	71·3	71·4	69·6	68·8	67·5	1h
2	70·3	67·3	70·8	67·6	71·3	70·2	75·4	71·9	74·5	69·7	71·8	70·2	70·8	69·2	68·5	67·3	2
3	70·6	67·1	70·5	67·5	71·6	70·7	73·3	71·1	74·6	70·3	71·2	69·9	69·8	68·3	69·1	67·8	3
4	70·5	67·0	70·6	68·0	72·3	71·0	73·6	70·4	74·3	69·8	71·3	69·8	69·6	68·1	68·6	67·4	4
5	70·6	67·7	70·6	67·3	72·4	71·1	74·9	70·3	74·2	70·1	71·2	69·7	70·3	68·7	67·6	66·5	5
6	69·9	68·2	70·6	68·2	72·6	71·1	75·4	70·3	74·4	70·2	71·1	69·5	70·4	68·8	71·4	68·8	6
7	69·6	67·7	70·6	68·2	72·7	71·1	75·0	71·0	75·2	70·8	71·4	70·1	70·4	69·1	70·9	68·2	7
8	71·6	68·7	73·7	70·5	74·2	71·5	76·1	71·1	75·9	71·3	76·7	74·0	75·2	73·1	71·2	67·8	8
9	73·9	69·1	79·5	72·1	75·8	72·5	77·3	72·1	76·5	71·6	79·3	74·7	78·3	74·2	72·3	69·1	9
10	78·0	70·5	79·6	72·6	78·2	74·1	78·2	71·5	77·2	72·1	79·3	74·1	79·3	74·1	73·7	69·3	10
11	78·8	69·2	80·7	72·2	78·1	74·0	78·7	71·3	77·0	72·2	79·5	74·1	80·2	74·1	74·7	69·6	11
Noon	79·2	69·3	79·4	72·0	78·4	73·1	78·7	70·8	78·1	72·7	79·9	74·3	81·4	74·2	74·4	69·4	Noon
13h	78·9	68·5	80·4	73·2	79·6	73·1	78·9	70·8	76·6	73·2	80·1	74·7	80·9	74·0	74·6	69·9	13h
14	79·1	68·5	80·9	73·1	78·1	72·0	77·6	70·1	77·5	72·4	79·5	73·3	81·0	73·9	73·6	68·1	14
15	78·8	69·2	80·6	72·4	78·0	72·5	78·2	71·2	77·3	72·2	79·0	73·2	80·6	73·8	72·9	67·1	15
16	77·5	69·0	79·4	72·1	77·6	72·4	77·5	70·1	77·2	72·3	78·7	73·1	79·0	73·6	71·9	66·4	16
17	76·1	69·2	74·2	71·1	76·3	72·1	77·0	69·4	76·3	72·2	77·4	72·2	78·0	72·8	71·5	65·7	17
18	73·5	68·4	72·5	70·3	75·8	71·0	75·6	69·5	75·0	71·5	75·6	71·8	76·2	72·7	71·6	66·2	18
19	72·5	68·3	71·5	70·4	75·8	71·1	74·8	69·3	74·1	71·5	74·2	71·5	74·3	71·8	71·4	66·3	19
20	72·5	68·4	71·8	70·9	76·0	70·7	74·7	69·4	74·3	71·8	72·8	70·6	73·0	70·8	71·2	66·3	20
21	71·0	67·8	70·8	70·2	76·3	70·7	74·2	69·2	73·8	71·8	72·5	70·3	72·1	70·3	71·0	66·2	21
22	71·0	67·9	71·0	70·0	75·9	70·3	74·5	69·5	73·4	71·6	71·6	69·7	71·0	69·3	70·5	65·2	22
23	70·5	67·7	70·9	69·6	74·5	71·9	75·1	69·5	73·5	71·7	71·2	69·5	70·5	69·2	70·4	64·2	23

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

May 1915.

Hour \ Day.	17d. Air.	17d. Evaporation.	18d. Air.	18d. Evaporation.	19d. Air.	19d. Evaporation.	20d. Air.	20d. Evaporation.	21d. Air.	21d. Evaporation.	22d. Air.	22d. Evaporation.	23d. Air.	23d. Evaporation.	24d. Air.	24d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	70·1	63·2	59·4	55·4	63·8	62·2	69·2	65·0	72·5	65·2	69·5	64·9	71·2	66·3	68·5	66·5	Midnight
1h	68·7	62·7	58·2	55·2	62·2	60·2	69·3	65·2	71·6	63·9	67·7	64·4	71·6	67·3	67·9	66·2	1h
2	69·6	63·9	58·6	55·3	62·9	61·2	67·4	64·6	69·5	62·3	68·4	64·9	71·1	66·8	67·6	65·9	2
3	69·1	63·2	58·6	56·2	65·6	63·8	66·5	64·2	73·1	66·2	68·1	63·9	69·0	67·1	68·8	67·1	3
4	68·1	61·6	56·6	54·5	66·8	63·2	68·6	65·1	66·3	64·5	66·2	62·7	68·8	67·2	68·4	66·7	4
5	68·0	61·5	55·8	53·3	66·4	63·8	68·7	65·1	65·0	62·9	67·0	65·0	69·3	67·3	68·1	66·3	5
6	67·7	61·3	55·6	53·2	66·2	63·7	68·7	65·2	64·6	62·6	65·7	63·5	69·4	67·5	68·0	66·2	6
7	67·6	61·2	58·8	55·3	66·2	63·8	67·4	65·3	67·6	65·8	65·6	63·2	69·6	67·2	67·7	65·5	7
8	70·8	64·2	67·4	60·8	67·8	65·3	68·8	67·2	71·7	68·5	70·8	67·1	70·8	68·8	70·3	67·8	8
9	73·2	63·1	72·3	62·0	68·8	64·7	71·0	69·7	75·7	69·6	74·7	69·2	72·1	69·2	74·8	69·5	9
10	73·3	63·3	74·8	63·2	74·1	66·9	74·8	67·6	77·5	71·0	75·3	69·8	70·0	67·8	75·4	69·7	10
11	73·7	63·6	75·5	64·2	75·7	68·0	76·8	68·3	77·3	69·7	73·8	71·2	75·0	69·2	76·6	69·6	11
Noon	74·4	64·2	76·6	64·9	76·6	68·3	76·2	69·2	76·9	70·8	75·5	70·7	76·6	68·2	77·3	68·7	Noon
13h	74·9	64·6	76·6	67·1	76·1	67·5	76·9	68·1	77·2	71·2	77·1	70·6	77·1	69·1	77·3	68·7	13h
14	75·2	64·3	75·6	65·8	71·9	65·6	76·8	68·7	70·9	69·1	76·1	70·6	76·8	68·6	77·5	69·5	14
15	74·2	63·1	73·8	66·3	75·5	68·2	77·0	67·6	74·0	70·1	77·3	71·6	76·4	68·5	77·2	70·3	15
16	73·1	62·1	73·5	65·4	73·5	67·3	76·1	67·6	74·5	68·8	76·5	70·4	75·3	68·4	75·5	70·1	16
17	71·5	62·1	70·6	65·1	72·2	65·1	73·9	67·2	73·8	68·1	73·0	69·4	73·5	68·0	73·9	70·1	17
18	68·0	61·0	68·6	65·1	70·9	65·1	70·6	66·2	72·4	67·0	72·9	69·2	71·6	66·7	71·7	68·7	18
19	65·1	60·3	67·6	64·2	68·9	65·1	73·1	63·6	71·6	66·1	72·5	68·2	71·1	66·8	71·1	69·1	19
20	63·0	59·3	67·3	63·9	69·0	65·6	72·3	63·2	71·6	66·2	72·5	68·2	69·7	67·0	70·2	69·1	20
21	63·3	59·2	65·8	62·9	69·1	65·4	71·9	63·2	71·1	65·4	71·8	66·3	69·8	67·6	69·5	68·0	21
22	61·6	58·0	65·1	62·4	68·8	65·1	71·6	63·8	70·3	65·5	71·0	65·1	68·6	66·9	70·2	68·8	22
23	60·1	56·3	65·9	63·6	68·6	64·3	72·3	64·8	70·1	65·3	70·6	65·0	68·5	67·0	70·7	69·0	23

Hour \ Day	25d. Air.	25d. Evaporation.	26d. Air.	26d. Evaporation.	27d. Air.	27d. Evaporation.	28d. Air.	28d. Evaporation.	29d. Air.	29d. Evaporation.	30d. Air.	30d. Evaporation.	31d. Air.	31d. Evaporation.	Mean. Air	Mean. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	70·3	67·6	70·0	67·6	67·2	65·3	69·8	68·4	69·6	67·5	71·1	69·3	73·2	71·2	70·5	67·7	Midnight
1h	71·4	66·8	69·8	67·8	67·1	65·2	70·4	69·3	68·9	67·2	71·6	69·9	72·6	70·9	70·1	67·4	1h
2	72·4	67·2	68·9	66·6	66·9	65·2	69·7	68·7	69·4	67·7	71·6	69·7	72·2	70·5	69·9	67·6	2
3	72·1	66·5	69·1	66·8	66·5	65·1	69·6	68·4	69·5	67·9	71·4	69·3	72·6	70·4	69·9	67·4	2
4	71·7	67·1	69·6	66·8	66·1	64·6	70·4	69·2	69·1	67·6	70·6	69·4	72·6	70·3	69·5	67·0	4
5	71·7	66·2	68·7	66·1	65·6	64·1	70·0	69·0	69·2	67·6	71·7	70·3	71·9	69·8	69·4	66·9	5
6	71·5	65·3	67·2	64·7	66·1	64·7	68·7	67·5	68·7	66·9	71·6	70·0	71·4	69·7	69·3	66·8	6
7	71·2	65·7	66·8	64·2	66·8	65·3	68·0	66·5	68·6	66·3	72·8	70·9	71·1	69·3	69·6	67·1	7
8	73·4	66·3	71·4	67·6	70·6	68·7	72·3	70·2	71·3	68·8	74·2	71·2	72·4	70·8	73·0	69·4	8
9	76·0	68·3	75·6	69·2	76·3	71·4	75·8	71·1	76·7	71·1	73·0	71·2	75·8	71·2	75·9	70·4	9
10	77·0	68·7	76·7	70·2	76·4	71·8	77·8	71·2	77·2	71·2	74·9	72·2	78·0	72·2	77·4	70·7	10
11	76·7	69·2	76·8	70·4	77·3	72·2	78·3	71·2	75·6	71·2	75·3	73·0	78·3	71·8	78·1	71·1	11
Noon	77·5	69·2	76·3	69·6	78·7	71·9	78·9	71·2	75·7	70·4	75·5	72·7	77·5	70·7	78·5	71·0	Noon
13h	76·6	69·4	76·1	69·1	79·2	71·1	79·1	71·4	76·9	70·5	76·0	72·8	77·7	72·0	78·6	71·2	13h
14	77·2	69·9	77·0	70·1	79·1	71·3	78·1	70·8	77·0	70·1	77·6	72·8	78·1	71·3	78·2	70·9	14
15	76·5	69·7	76·7	69·6	77·6	71·5	77·9	71·3	76·5	70·5	76·4	72·3	77·6	71·9	78·0	70·9	15
16	75·5	69·1	75·6	68·6	76·8	70·6	76·5	70·3	75·6	70·1	74·8	71·9	75·9	70·9	76·9	70·4	16
17	74·5	68·1	74·6	68·1	75·6	71·6	74·6	69·1	74·5	68·8	74·8	71·7	74·6	70·1	75·3	69·9	17
18	72·1	66·8	70·9	67·1	73·2	70·3	72·5	68·1	72·7	68·1	74·4	71·1	72·1	69·5	73·4	69·1	18
19	71·1	66·3	69·3	66·4	71·7	69·7	70·8	67·9	71·9	68·2	74·2	71·1	71·5	69·3	72·3	68·6	19
20	70·5	66·3	68·5	66·2	71·2	69·4	70·2	67·7	71·6	68·2	74·6	71·2	70·6	68·7	71·7	68·3	20
21	70·2	66·2	68·2	65·9	70·9	69·2	68·7	66·7	71·6	67·2	74·6	71·3	70·0	68·3	71·3	68·0	21
22	70·3	67·2	67·9	65·7	70·6	68·9	67·4	65·3	71·6	67·0	73·8	71·4	69·6	67·9	70·7	67·3	22
23	70·3	67·6	67·1	65·3	70·1	68·4	69·2	67·2	72·5	68·0	73·2	71·2	69·0	67·5	70·6	67·7	23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour \ Day.	May 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Mean.
Midnight	1	8	2	8	5	1	0	3	1	0	10	10	10	4	4	1	4	2	3	2	8	5	9	5	9	7	5	9	2	8	10	5·0
1h	0	9	5	4	3	1	0	2	3	0	9	10	9	6	2	3	2	3	3	4	3	3	7	7	8	7	4	10	4	9	10	4·8
2	3	9	4	4	2	2	3	2	2	1	9	10	9	4	2	3	2	4	7	7	3	5	8	5	7	8	2	10	6	7	10	5·2
3	1	10	5	3	1	2	6	2	3	1	10	10	10	2	3	4	0	2	9	8	10	2	10	4	5	7	2	10	4	10	10	5·3
4	0	10	0	4	1	2	7	3	5	1	10	10	8	2	5	4	1	3	9	9	10	9	9	3	6	6	3	10	5	10	9	5·6
5	1	9	0	3	1	2	6	3	6	1	10	10	9	2	5	5	1	3	9	7	4	6	10	5	5	6	3	9	6	10	9	5·4
6	1	9	0	3	1	2	7	3	7	1	9	10	10	6	6	9	1	2	9	8	8	5	9	6	2	6	3	4	6	10	7	5·5
7	1	6	0	3	1	2	6	3	6	3	9	9	10	4	8	10	2	1	8	9	9	4	8	7	3	5	4	3	5	9	7	5·3
8	1	6	1	3	1	3	6	3	7	3	9	9	10	5	3	10	2	1	8	9	4	4	6	7	6	4	5	3	3	10	6	5·1
9	2	4	0	4	2	4	3	0	6	6	10	10	10	9	6	10	1	0	8	10	4	3	8	5	7	2	7	3	5	10	7	5·4
10	2	3	0	4	3	4	0	0	5	6	10	10	10	9	6	10	2	1	8	8	7	5	10	7	8	2	7	3	8	10	5	5·6
11	4	5	2	3	2	4	1	1	3	5	10	10	10	10	7	10	3	1	7	6	8	10	8	6	7	3	6	3	7	10	3	5·6
Noon	5	9	6	3	4	5	3	2	2	6	10	9	10	10	6	10	5	5	6	6	7	8	3	6	6	4	4	5	8	10	4	6·0
13h	4	9	6	3	3	4	7	2	1	7	10	9	10	8	6	10	6	6	5	5	10	9	6	5	7	5	7	4	8	8	6	6·3
14	4	8	8	4	5	7	7	2	0	7	10	9	10	9	6	10	6	7	9	6	10	8	7	5	6	5	7	7	8	8	5	6·8
15	5	6	8	1	5	7	3	2	0	8	10	9	10	8	7	10	4	6	6	2	8	7	8	5	2	4	8	4	9	10	4	6·0
16	10	3	8	2	4	6	3	4	0	10	10	8	10	7	5	10	3	6	7	4	5	9	7	7	4	5	8	3	9	10	4	6·2
17	10	2	8	1	3	7	4	7	1	10	10	9	10	5	6	10	3	7	7	5	3	10	7	8	4	4	8	3	8	9	2	6·2
18	9	1	9	0	1	5	4	8	1	10	10	8	10	6	6	10	3	8	8	6	3	10	4	8	5	4	3	2	9	8	5	5·9
29	6	1	8	0	1	4	3	7	1	10	10	8	10	7	4	10	2	4	5	2	5	8	4	8	5	3	2	1	7	9	3	5·1
20	8	1	6	0	0	2	2	6	1	10	10	8	10	8	3	9	2	3	7	2	3	9	7	10	4	5	3	7	7	9	3	5·3
21	8	0	6	0	1	1	3	4	1	10	10	9	10	7	3	9	3	4	7	1	2	9	8	10	7	2	2	5	1	10	2	5·0
22	8	3	9	2	2	1	2	3	1	10	10	8	10	5	1	9	1	7	8	6	4	8	10	8	7	4	5	6	7	10	4	5·8
23	7	4	10	5	3	2	3	2	2	10	10	9	10	4	2	7	1	6	6	5	8	9	4	8	8	3	4	3	8	10	3	5·6

TABLE VII.— DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	May 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Total.
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	...	...	...	...	...		...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	24	12	31	30	25	22	0	12	0	0	2	0	0	0	1	10	7	2	10	0	10	10	0	0	0	4	1	10	7	0	0	3·8
8	60	37	60	60	60	6	42	60	0	30	15	5	0	42	59	0	60	60	25	0	60	60	29	38	45	50	25	60	58	0	43	20·0
9	60	60	60	60	60	50	50	60	43	60	0	5	0	45	59	0	60	60	0	0	59	60	47	60	47	60	60	60	60	5	60	23·1
10	60	60	60	60	60	55	60	60	60	59	1	4	0	5	59	0	60	60	19	59	60	58	25	60	60	60	21	60	60	10	60	23·1
11	40	60	60	60	60	60	0	60	60	58	3	25	0	1	58	8	60	60	60	60	60	30	18	60	60	60	60	60	50	16	60	24·3
Noon	[illegible]	42	[illegible]	[illegible]	60	[illegible]	60	60	59	45	0	1	0	10	55	12	60	60	60	58	51	30	60	60	60	59	60	60	42	2	60	23·8
13h	60	0	[illegible]	60	60	[illegible]	40	60	60	57	35	32	0	46	45	5	60	59	55	60	45	45	60	60	59	58	60	60	57	7	58	24·8
14	60	[illegible]	[illegible]	60	60	[illegible]	[illegible]	60	60	58	2	0	0	8	32	3	60	60	0	60	18	46	60	60	60	57	42	59	60	58	60	22·3
15	60	[illegible]	40	60	[illegible]	[illegible]	55	60	60	58	0	8	0	3	0	19	60	54	36	60	4	59	58	60	60	56	35	55	40	28	60	21·3
16	5	60	5	[illegible]	60	[illegible]	[illegible]	60	60	54	0	8	0	5	32	0	60	59	55	60	42	50	40	50	57	60	20	60	5	0	40	19·5
17	3	60	[illegible]	[illegible]	60	4	60	60	60	0	0	2	0	30	3	0	60	23	55	60	58	29	40	57	55	60	1	60	25	0	43	17·7
18	10	20	[illegible]	30	[illegible]			20	20	0	0	0	0	0	0	0	0	16	12	15	8	0	0	8	5	10	0	15	8	0	2	4·5
19	...	...		...	...			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Re[illegible]

The total [illegible] of [illegible]shine during the month was 228·2 hours; the corresponding period during which the sun was above the horizon was 345·4 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

May 1915.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	3·7	4·6	7·3	10·4	5·0	5·7	5·4	7·3	9·0	9·0	7·5	13·1	14·3	5·4	4·4	4·4	Midnight
1h	3·5	6·3	9·8	7·3	4·0	4·4	3·5	8·2	9·2	8·2	7·3	14·1	11·2	3·0	3·4	3·0	1h
2	5·2	3·1	6·9	7·1	4·0	4·4	5·2	8·2	8·4	11·2	10·2	18·1	7·8	4·8	3·7	3·0	2
3	5·2	3·1	5·4	3·4	4·8	4·2	6·5	13·9	11·9	5·9	10·2	17·1	10·6	7·6	4·4	3·0	3
4	5·2	4·6	8·4	3·2	5·4	4·6	3·9	7·8	12·1	8·8	12·1	15·1	7·5	6·3	4·4	3·5	4
5	4·4	5·6	5·2	5·9	4·0	4·2	4·0	8·0	12·1	9·0	12·1	16·1	6·7	4·6	4·0	4·2	5
6	4·0	4·6	7·6	5·7	4·2	3·7	3·0	10·7	12·3	9·6	10·0	15·1	8·6	4·4	4·8	10·4	6
7	3·5	12·3	10·4	4·4	4·2	5·0	10·4	8·4	12·7	7·5	10·8	15·1	10·0	4·4	3·5	9·0	7
8	3·9	8·4	10·6	7·5	5·2	1·9	23·9	10·2	11·4	8·0	11·7	19·3	11·0	4·4	4·0	9·4	8
9	2·0	11·7	13·1	11·0	9·0	2·4	21·3	12·5	16·5	11·7	13·9	19·9	10·8	9·0	7·6	5·4	9
10	3·9	14·1	14·1	12·1	7·1	3·0	20·7	15·7	19·9	17·1	16·3	19·1	12·5	9·4	9·8	12·1	10
11	6·9	12·1	14·1	11·3	7·6	5·9	16·1	15·3	21·9	18·7	23·1	22·7	12·1	8·2	7·6	19·1	11
Noon	11·7	9·6	11·9	11·0	8·2	7·8	15·5	16·1	20·1	16·7	19·1	20·9	12·3	10·0	9·2	25·1	Noon
13h	10·2	8·6	12·9	7·6	9·0	11·4	12·3	11·1	22·3	17·9	19·9	20·1	11·0	10·4	9·0	23·9	13h
14	6·5	6·1	12·7	8·2	10·2	12·1	14·7	11·9	21·9	13·9	20·3	18·7	11·4	9·2	9·4	30·1	14
15	6·3	10·6	11·2	4·8	7·6	13·1	14·7	13·3	24·1	17·7	18·1	15·9	11·2	9·2	8·2	37·5	15
16	6·5	14·9	10·0	6·3	6·3	7·3	15·7	12·9	16·1	17·5	18·7	15·9	10·6	7·1	6·5	24·7	16
17	3·7	10·8	6·3	7·5	5·9	5·2	9·4	16·5	13·7	8·4	14·9	13·5	5·7	8·4	5·9	25·3	17
18	2·6	8·8	6·5	5·4	4·4	12·5	8·8	7·3	8·0	8·8	14·7	9·2	5·6	3·0	3·0	15·1	18
19	2·0	8·2	6·1	3·3	3·5	16·1	6·3	8·0	5·4	3·2	14·9	10·8	6·3	4·0	3·1	10·2	19
20	3·5	7·1	8·4	6·7	3·5	14·7	7·6	9·0	3·5	3·0	16·5	9·6	4·4	5·9	3·4	11·9	20
21	2·4	7·5	5·6	2·0	3·3	11·2	10·0	8·2	1·9	6·3	15·9	12·1	3·9	5·4	4·4	13·7	21
22	3·1	6·1	3·4	7·1	4·2	11·7	9·6	9·6	2·6	6·3	13·9	9·2	4·8	5·7	4·2	19·1	22
23	5·4	6·3	3·1	7·3	4·8	3·9	8·6	9·0	3·9	8·0	16·3	12·1	3·7	4·8	3·9	15·7	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23.d	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour
Midnight	15·9	6·1	4·4	7·5	6·7	9·8	11·7	7·5	14·9	9·2	6·3	9·0	6·7	14·1	10·0	8·3	Midnight
1h	7·5	6·1	4·8	7·8	5·9	7·3	11·9	8·0	21·1	12·3	6·3	7·7	6·7	12·1	10·4	7·8	1h
2	15·1	8·0	4·4	6·1	4·4	8·0	14·3	10·2	16·3	10·0	6·3	8·6	5·6	10·0	12·5	8·0	2
3	13·9	6·3	8·0	5·0	7·5	6·3	12·9	9·8	22·1	11·0	6·3	5·6	5·9	8·4	11·9	8·3	3
4	13·7	4·6	9·4	6·3	3·9	8·0	7·3	7·8	17·1	10·6	6·3	5·9	6·3	12·1	11·0	7·8	4
5	9·6	5·2	13·3	10·2	3·9	8·4	8·4	7·6	18·1	10·0	6·3	4·4	7·8	9·8	11·2	7·9	5
6	11·4	4·6	9·0	8·2	7·3	5·4	10·4	8·4	21·1	7·1	6·3	5·7	8·4	11·5	8·2	8·1	6
7	6·3	10·8	1·9	14·1	7·1	6·3	14·7	8·4	14·1	7·3	6·1	4·4	6·5	12·9	8·2	8·4	7
8	11·2	8·2	6·1	3·0	9·4	7·5	17·1	9·8	18·1	8·4	4·6	5·0	7·6	14·1	8·0	9·3	8
9	19·1	14·5	10·2	3·0	16·1	19·3	17·1	13·5	16·9	17·5	8·0	7·6	14·7	15·1	12·3	12·4	9
10	19·1	14·1	7·6	14·3	17·1	16·1	13·7	16·7	23·3	15·7	9·8	10·2	18·1	17·1	14·3	14·1	10
11	18·9	15·9	11·7	18·1	22·1	9·8	20·9	19·5	22·1	19·3	9·8	11·4	17·1	16·1	12·9	15·1	11
Noon	18·3	15·1	12·1	13·9	22·1	13·1	24·9	20·1	26·1	15·7	9·8	11·9	17·1	20·7	12·9	15·4	Noon
13h	22·3	14·3	13·1	16·9	18·7	14·1	23·9	19·7	22·1	19·3	9·6	12·9	22·3	16·7	12·3	15·4	13h
14	24·5	15·3	12·1	19·3	17·7	17·7	22·3	16·7	29·9	16·1	10·4	10·4	19·9	22·9	12·3	15·6	14
15	23·5	9·2	11·9	14·1	18·3	16·5	21·7	19·9	15·1	17·5	9·0	15·9	15·5	16·9	13·9	15·0	15
16	18·1	11·0	17·1	11·4	19·7	19·3	17·3	13·5	19·1	13·7	12·3	13·5	12·7	15·7	12·1	13·6	16
17	14·9	9·8	12·7	11·0	19·5	22·7	14·1	9·0	16·3	11·2	5·6	11·9	12·1	16·3	11·0	11·6	17
18	7·5	5·4	5·0	5·7	13·7	15·9	11·7	9·8	7·3	9·2	5·4	6·9	12·1	14·9	8·2	8·5	18
19	6·3	5·6	6·3	6·9	11·2	16·3	9·8	12·3	10·2	8·2	5·2	6·7	12·1	15·5	7·1	8·1	19
20	5·9	5·6	6·3	5·9	11·4	16·3	10·0	14·1	8·0	8·0	6·1	5·2	11·9	16·3	6·7	8·2	20
21	7·1	5·6	6·3	6·1	9·8	16·1	11·0	10·8	8·6	6·5	6·3	3·9	13·9	15·1	5·4	7·9	21
22	5·4	4·2	10·2	6·9	7·5	13·7	6·5	11·5	9·0	6·3	6·9	5·4	12·9	12·7	6·9	7·9	22
23	7·3	3·0	7·1	6·3	7·8	13·1	8·2	14·1	10·2	6·3	6·9	5·6	13·3	13·5	5·2	7·9	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(The results are increased by 100 in order to obviate the necessity for signs, and are published to the nearest mile.)

May 1915.

Hour \ Day.	1d. N.	1d. E.	2d. N.	2d. E.	3d. N.	3d. E.	4d. N.	4d. E.	5d. N.	5d. E.	6d. N.	6d. E.	7d. N.	7d. E.	8d. N.	8d. E.	Hour \ Day.
Midnight	97	103	96	103	95	105	96	110	98	105	96	104	95	101	95	105	Midnight
1h	98	102	94	104	93	107	97	107	98	104	97	103	97	101	94	106	1h
2	96	104	98	102	95	105	97	107	99	104	97	103	95	100	93	104	2
3	96	104	97	102	96	104	99	103	98	104	98	104	95	104	90	110	3
4	96	104	96	103	94	106	99	103	98	105	98	104	96	101	94	105	4
5	97	103	95	103	97	104	99	106	99	104	100	104	96	102	94	106	5
6	99	104	97	103	94	104	96	104	98	104	97	103	97	101	92	108	6
7	98	102	90	107	91	106	98	104	98	104	96	103	93	107	94	106	7
8	96	101	92	103	92	108	97	107	99	105	98	101	83	117	93	107	8
9	98	101	89	104	91	109	100	111	98	109	101	102	85	115	91	109	9
10	100	104	88	108	90	110	95	111	103	107	103	99	85	115	89	111	10
11	103	106	91	109	90	110	108	108	100	108	103	95	89	111	89	111	11
Noon	100	112	91	104	100	112	102	111	106	106	100	92	89	111	94	115	Noon
13h	100	110	92	103	95	112	103	107	103	108	100	89	93	110	96	110	13h
14	101	106	94	99	98	113	105	107	106	108	100	88	90	110	92	108	14
15	101	106	93	107	96	110	101	105	99	107	88	95	90	110	93	111	15
16	95	104	86	106	93	107	99	106	101	106	102	107	94	115	95	112	16
17	97	103	91	106	98	106	104	106	100	106	100	105	93	107	89	112	17
18	98	101	94	106	96	105	100	105	101	104	89	102	94	106	95	105	18
19	98	101	94	106	96	104	99	103	100	104	85	106	96	105	94	106	19
20	97	102	95	105	93	105	95	105	99	103	86	106	97	107	94	106	20
21	101	102	94	104	97	105	99	101	98	102	90	104	93	107	95	107	21
22	100	103	95	103	99	103	97	107	97	103	89	105	93	107	93	107	22
23	95	102	96	104	98	102	97	107	97	103	96	101	94	106	97	108	23

Hour \ Day.	9d. N.	9d. E.	10d. N.	10d. E.	11d. N.	11d. E.	12d. N.	12d. E.	13d. N.	13d. E.	14d. N.	14d. E.	15d. N.	15d. E.	16d. N.	16d. E.	Hour \ Day.
Midnight	97	108	95	107	103	107	100	113	103	114	100	105	98	104	97	103	Midnight
1h	96	109	94	106	97	107	100	114	100	111	98	102	99	103	98	102	1h
2	94	106	94	109	94	108	100	118	102	108	99	105	97	103	98	102	2
3	93	110	96	104	96	109	100	117	104	110	98	107	97	103	97	101	3
4	95	111	94	106	95	111	100	115	100	107	98	106	98	104	97	101	4
5	91	109	95	108	93	110	100	116	100	107	99	104	101	104	96	102	5
6	95	111	100	110	93	107	100	115	100	109	99	104	100	105	90	102	6
7	93	111	96	106	96	110	100	115	102	110	98	104	99	103	91	100	7
8	94	109	94	106	96	111	108	119	100	111	101	104	97	103	92	95	8
9	88	111	96	111	92	111	104	118	102	111	106	106	100	108	95	101	9
10	89	116	100	117	91	114	104	119	100	112	107	107	102	110	89	105	10
11	88	118	100	119	100	123	100	122	105	111	102	108	100	108	84	111	11
Noon	92	119	97	116	100	119	96	121	105	111	107	107	107	106	82	118	Noon
13h	88	119	93	117	104	119	100	120	104	110	104	110	102	109	83	117	13h
14	88	118	97	114	100	120	100	119	104	111	105	108	100	109	79	121	14
15	83	117	100	118	100	118	100	116	104	110	103	109	100	108	73	127	15
16	91	113	103	117	100	119	106	115	104	110	103	107	103	106	83	118	16
17	93	111	100	108	97	115	100	114	101	106	105	107	101	106	82	118	17
18	96	107	108	103	97	114	100	109	100	106	101	103	101	103	89	111	18
19	96	104	97	98	100	115	100	111	100	106	97	103	98	102	92	106	19
20	97	102	97	99	100	117	100	110	102	104	97	104	98	102	90	107	20
21	98	101	94	99	97	116	100	112	100	104	99	105	98	104	87	105	21
22	98	101	94	102	103	114	100	109	97	103	99	106	98	104	86	113	22
23	96	101	103	107	103	116	100	112	99	104	99	105	97	102	89	111	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

May 1915.

Hour. / Day.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d. N.	20d. E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.
Midnight	87	109	94	102	96	102	96	106	94	104	94	108	98	111	95	105
1h	95	105	94	100	96	103	97	107	96	104	96	106	100	112	96	107
2	87	108	92	102	96	101	98	106	97	103	96	107	92	112	96	109
3	88	108	94	101	94	106	97	104	100	107	96	105	97	113	93	107
4	90	110	96	103	92	105	96	105	100	104	96	107	97	107	96	106
5	93	107	95	102	91	109	93	107	98	104	94	106	98	108	96	106
6	90	106	96	102	97	108	95	107	96	106	95	103	96	110	95	107
7	94	102	92	108	98	100	88	108	95	105	96	104	94	114	95	107
8	92	108	94	106	102	106	98	102	96	109	96	106	93	116	98	110
9	84	111	90	110	90	102	102	102	97	116	86	114	90	114	100	113
10	84	111	90	110	95	105	100	114	97	117	89	111	103	113	100	117
11	87	113	91	113	95	111	100	118	100	122	105	108	96	120	100	119
Noon	87	113	89	111	90	107	95	113	100	122	100	113	90	123	89	117
13h	81	112	97	114	95	112	88	112	96	118	97	114	95	123	92	118
14	83	117	94	114	89	105	100	119	110	115	100	118	100	122	94	115
15	80	113	96	108	100	112	95	113	93	117	97	116	92	120	86	114
16	87	113	98	111	97	117	92	108	92	118	104	119	100	117	90	109
17	86	106	96	109	91	109	94	109	96	119	100	123	95	113	97	108
18	93	103	95	102	96	103	97	105	92	111	97	116	95	111	94	108
19	94	102	95	102	96	104	95	105	96	110	100	116	93	107	100	112
20	95	102	95	102	98	106	96	104	94	110	97	116	94	108	100	114
21	94	104	95	102	98	106	95	103	98	110	97	116	100	111	94	109
22	95	101	96	102	93	107	96	106	97	107	97	113	95	104	96	111
23	93	101	102	102	95	105	94	100	96	106	97	113	97	108	95	113

Hour. / Day.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	31d. N.	31d. E.	Mean. N.	Mean. E.
Midnight	100	115	96	108	98	106	100	109	96	106	97	114	100	110	96.8	106·8
1h	100	121	95	111	98	106	97	107	95	105	100	112	100	110	96·9	106·6
2	100	116	93	107	96	105	94	106	97	105	100	110	98	112	96·1	106·4
3	96	122	92	108	96	105	97	105	96	104	95	107	100	112	96·2	106·8
4	100	117	94	109	96	105	98	105	96	105	98	112	100	111	96·5	106·5
5	100	118	98	110	96	104	100	104	97	107	100	110	98	111	96·7	106·6
6	100	121	97	107	96	105	97	105	97	108	98	111	97	108	96·4	106·7
7	97	114	97	107	97	105	98	104	99	106	100	113	98	108	95·8	106·5
8	96	118	97	108	98	104	97	104	97	107	97	114	97	107	95·9	107·5
9	100	117	97	117	98	108	96	106	100	115	94	114	102	112	95·7	110·0
10	95	123	97	115	100	110	93	107	100	118	100	117	103	114	96·2	111·8
11	92	120	93	118	100	110	98	111	100	117	100	116	97	113	97·1	113·1
Noon	85	122	97	115	104	109	92	108	100	117	100	121	97	113	96·4	113·0
13h	96	122	104	119	98	109	95	112	100	122	100	117	98	112	96·4	113·1
14	88	128	97	116	100	110	98	110	96	119	104	122	98	112	97·1	113·0
15	94	114	97	117	100	109	97	116	94	114	100	117	103	114	95·1	112·5
16	93	118	97	113	100	112	90	109	95	112	100	116	100	112	96·6	111·9
17	94	115	100	111	99	105	92	108	100	112	100	116	98	111	96·4	111·0
18	97	107	100	109	98	105	95	105	100	112	100	115	98	108	97·0	106·8
19	97	109	98	108	96	104	97	106	98	112	100	115	96	106	96·5	106·4
20	97	107	98	108	96	104	96	104	100	112	97	116	99	107	96·4	106·6
21	95	107	97	106	96	104	97	103	100	114	100	115	98	105	96·6	106·2
22	97	108	98	106	95	105	96	104	97	113	98	112	97	106	96·2	106·3
23	98	110	96	105	97	106	96	104	97	113	100	113	98	105	97·0	106·3

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of MAY 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour. Mauritius Standard Time.	1d.	4d.	5d.	6d.	10d.	13d.	14d.	15d.	18d.	19d.	Hour. Mauritius Standard Time.
	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	
Midnight	4	6	6	4	5	9	8	6	2	3	Midnight
1h	4	6	6	4	4	8	4	6	0	3	1h
2	4	6	6	4	5	9	7	4	1	1	2
3	4	6	6	6	4	10	7	4	1	4	3
4	4	6	6	6	4	8	6	6	3	3	4
5	4	7	6	8	5	8	7	9	2	4	5
6	6	4	6	4	8	8	7	8	2	6	6
7	4	6	6	3	5	9	6	7	4	0	7
8	2	6	7	3*	4	8	9	4	4	10	8
9	2	8	7	10	6	9	12	8	4	1	9
10	8	6	10	18	8	8	12	9	4	4	10
11	10	12	8	21	8	10	9	8	5	6	11
Noon	8	9	12	24	7	10	12	12	4	3	Noon
13h	8	10	10	24	6	10	10	9	7	6	13h
14	9	11	11	24	7	10	11	8	6	2	14
15	9	9	7	30**	8	10	10	8	6	8	15
16	3	7	9	9	9	10	10	10	7	7	16
17	4	11	8	8	8*	9	11	9	6	4	17
18	2	8	9	1	14*	8	9	9	2	4	18
19	2	6	8	2	29	8	4	4	2	4	19
20	3	4	7	2	30	10	5	4	2	6	20
21	9	4	4	2	31*	8	7	6	2	6	21
22	8	6	4	2	2	4	7	6	2	4	22
23	2	6	4	2	10	7	7	4	12	4	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of 9ins., 6ins. and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during of the MONTH of MAY 1915.

Day of the Month.	9ins.								6ins.								3ins.							
	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1d	81·6	80·9	80·2	79·9	79·6	80·0	81·4	82·1	80·3	79·2	78·9	78·5	79·3	81·5	83·7	83·5	79·1	75·9	75·1	76·4	84·3	90·3	87·7	84·2
2	82·2	81·7	81·2	80·9	80·8	81·1	82·1	82·4	82·4	81·3	80·4	80·0	81·2	82·2	83·3	82·9	81·5	78·8	77·9	78·3	87·1	91·2	85·9	82·2
3	82·5	81·5	80·8	80·1	79·5	80·0	81·1	81·9	81·6	80·3	79·0	78·2	78·4	80·8	82·8	82·6	79·3	76·4	74·5	74·8	81·7	88·8	86·4	82·4
4	82·0	81·1	80·6	80·2	79·7	80·1	81·4	82·3	81·4	80·2	79·2	78·3	78·6	81·3	83·9	83·8	79·6	76·8	75·2	75·6	82·5	90·3	88·9	84·4
5	82·4	82·0	81·4	80·6	80·3	81·1	82·3	83·3	82·5	81·3	80·1	79·3	80·0	82·5	84·8	84·7	81·6	78·7	76·8	78·2	85·4	91·4	90·2	86·0
6	82·4	82·8	82·3	81·4	81·1	81·6	83·2	84·1	83·4	82·1	81·2	80·1	81·2	83·6	83·9	83·3	82·7	79·4	78·1	79·5	88·2	93·4	90·5	86·1
7	84·2	83·3	82·6	81·8	81·5	81·6	82·4	82·9	82·9	82·5	81·3	80·3	80·6	82·8	83·6	83·1	82·7	79·4	77·9	78·8	84·4	88·4	86·2	81·7
8	83·0	81·7	80·9	80·4	79·7	80·3	81·4	82·2	81·7	80·3	79·0	78·3	78·5	81·4	83·1	82·9	78·8	75·9	74·2	74·8	82·3	89·5	87·2	83·3
9	82·3	81·6	80·9	80·4	80·0	80·2	81·1	81·8	81·7	80·5	79·3	78·7	78·8	80·8	82·6	82·3	80·3	77·4	75·9	76·2	81·0	88·5	85·7	82·0
10	81·9	81·1	80·4	79·9	79·5	79·9	80·6	81·3	81·1	79·8	78·8	78·3	78·7	80·6	82·1	81·8	79·1	76·3	75·0	76·1	82·2	87·2	85·4	78·2
11	81·4	80·5	79·9	79·2	78·8	78·9	79·3	79·4	80·2	78·6	78·1	77·5	77·6	78·5	79·1	78·9	76·7	75·2	74·7	75·1	77·8	80·0	78·6	77·5
12	79·5	78·9	78·4	78·2	78·0	78·0	78·3	78·7	78·3	77·7	77·2	76·9	77·3	77·8	78·2	78·0	76·5	75·6	74·7	74·9	78·3	79·5	79·0	76·5
13	78·8	78·1	77·7	77·6	77·3	77·2	77·4	77·6	77·4	76·8	76·3	76·1	76·1	76·3	77·0	77·0	75·4	74·4	73·9	74·2	75·5	77·2	77·0	76·2
14	77·8	77·5	77·3	77·1	76·9	77·3	78·1	78·6	77·0	76·5	76·0	75·7	76·1	77·5	78·4	78·7	75·6	74·5	73·5	75·3	78·0	81·1	81·0	78·4
15	78·3	78·2	77·8	77·6	77·4	77·8	79·3	80·0	78·1	77·2	76·4	76·2	76·9	78·7	81·1	81·1	76·3	75·0	73·4	74·9	80·9	86·7	84·8	81·7
16	80·3	79·6	79·3	78·5	78·1	77·8	78·2	78·4	80·0	78·9	78·1	77·1	76·9	77·4	78·1	77·7	78·5	76·0	74·6	74·6	75·6	79·2	78·1	76·0
17	78·4	77·8	77·1	76·7	76·3	76·8	77·7	78·3	77·2	76·1	75·2	74·5	74·8	77·2	78·8	78·5	74·4	72·6	70·8	71·3	79·2	84·5	81·4	77·2
18	78·3	77·5	76·6	75·7	75·1	75·3	76·5	77·4	77·0	75·4	74·1	73·0	73·2	75·2	77·6	77·9	73·1	69·6	71·6	72·5	77·1	82·9	82·1	78·4
19	77·7	77·2	76·5	76·1	75·7	76·1	77·0	77·7	76·9	75·7	74·9	74·3	74·3	76·5	78·0	78·0	74·4	72·3	71·4	71·5	76·8	82·0	81·3	77·7
20	78·0	77·3	76·9	76·4	75·9	76·1	77·2	78·0	77·0	76·1	75·2	74·7	74·7	76·4	78·7	78·6	75·2	73·2	72·0	72·2	77·2	83·4	82·4	78·1
21	78·0	77·3	76·7	76·3	75·9	76·0	77·4	76·6	77·4	76·1	75·1	74·5	74·6	76·0	76·6	76·3	74·8	72·6	71·2	71·9	76·2	78·5	77·1	74·4
22	76·6	75·9	75·2	74·9	74·7	74·9	75·6	76·0	75·6	74·1	73·4	73·0	73·5	74·9	76·0	76·0	71·7	70·2	69·4	70·5	75·0	79·2	77·9	74·9
23	76·1	75·7	75·1	74·9	74·7	74·9	75·4	75·9	75·2	74·3	73·8	73·4	73·5	74·6	76·0	75·9	72·9	71·5	71·0	70·7	74·5	78·9	78·0	75·1
24	75·8	75·4	75·2	74·6	74·4	74·7	75·5	76·1	74·7	74·1	73·5	72·7	73·3	75·2	76·5	76·6	72·3	71·3	70·4	70·5	76·4	80·7	80·0	76·5
25	76·4	75·9	75·5	75·2	75·0	75·1	75·8	76·3	75·3	75·1	74·4	73·9	74·0	75·3	76·6	76·3	76·2	72·7	71·4	71·7	76·2	79·7	78·4	75·4
26	76·1	75·9	75·3	75·0	74·6	75·0	75·8	76·3	75·5	74·6	73·9	73·4	73·5	75·4	76·8	76·6	73·4	72·0	70·8	70·8	76·4	80·9	79·6	75·6
27	76·4	75·8	75·0	74·9	74·5	74·5	76·0	76·6	75·6	74·7	73·4	73·0	73·2	75·4	78·4	77·6	73·2	71·7	69·6	70·5	76·4	82·6	81·0	78·1
28	77·0	76·6	76·1	75·9	75·7	76·0	76·8	77·4	76·8	75·9	75·3	74·7	75·2	77·2	78·4	78·4	75·1	73·8	73·2	73·4	79·9	83·6	82·7	78·3
29	77·1	77·0	76·2	76·0	75·8	75·5	76·3	76·7	74·4	75·9	74·9	74·5	74·6	75·8	77·0	76·8	74·8	73·1	71·5	72·2	76·2	79·9	79·0	76·0
30	76·9	76·1	75·8	75·6	75·4	75·4	75·8	76·1	75·8	75·2	74·6	74·4	74·5	75·1	76·0	76·0	74·1	73·0	72·5	73·0	74·6	77·8	77·2	75·5
31	76·1	75·9	75·6	75·4	75·4	75·7	76·6	77·1	75·8	75·2	74·8	74·6	74·8	76·7	78·0	77·7	74·6	73·8	73·0	73·2	78·6	82·6	80·8	77·4
Mean	79·24	78·67	78·11	77·69	77·37	77·60	78·52	79·05	78·42	77·50	76·66	76·09	76·40	78·10	79·54	79·36	76·58	74·48	73·39	73·98	79·22	83·86	82·30	78·88

* Direct. ** Retrograde

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of MAY 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.			River System No. 4.			River System No. 5.			
	Grand Gaube.	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte.*	Riche Fund.	Constance d'Arifat.	St. Julien. P.O.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
May 1d	Register not received.	...	...	...	0·25	0·78	0·28	0·01	0·38	0·90	0·72	0·45	0·07	0·70	0·28	0·05
2		...	...	...	1·00	0·83	0·20	0·02	0·16	0·39	0·27	0·16	0·72	0·73	0·23	...
3		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6		...	...	...	...	...	...	...	...	...	...	...	0·34	...	...	...
7		0·04	...	0·15	...	...	0·48	0·55	0·22	0·03	...	0·47	...	...	...	...
8		...	...	...	...	...	...	...	...	...	0·10	...	...	...	...	0·06
9		0·09	...	0·04	...	0·29	0·42	0·37	1·20	0·90	0·83	1·00	1·15	0·30	0·25	0·10
10		1·95	2·70	0·04	...	...	...	0·04	0·01	1·26	...	0·08	...	...	0·13	...
11		...	...	2·30	0·07	1·19	0·88	1·02	1·56	0·30	0·85	0·09	1·45	1·80	1·96	...
12		...	...	0·02	1·90	0·35	...	...	0·08	...	...	...	0·25	0·07	...	...
13		...	0·03	...	0·05	0·04	...	...	0·03	...	...	...	...	...	...	...
14		0·03	...	...	...	0·03	...	...	0·05	...	...	...	...	...	...	...
15		...	...	...	0·02	...	...	...	...	...	...	...	...	...	...	0·35
16		...	...	...	...	...	...	...	0·08	1·20	0·06	...	0·15	...	0·31	0·82
17		...	...	...	...	0·02	...	...	0·24	...	1·03	0·20	0·75	0·95	0·62	...
18		...	...	...	0·02	...	...	...	0·25	0·05	...	...	...	...	...	0·29
19		0·05	...	...	...	0·03	...	0·30	...	1,00	...	0·36	0·48	0·12	0·19	0·19
20		0·10	...	0·09	...	0·04	0·19	0·35	0·38	0·08	0·90	0·10	0·42	0·58	0·56	...
21		0·21	0·12	0·08	...	0·02	...	0·20	0·10	0·06	...	0·05	0·06	...	...	...
22		0·11	0·16	0·18	0·03	0·08	0·06	0·12	0·11	0·53	0·25	0·15	...	...	...	0·22
23		...	0·04	0·15	0·20	0·25	...	...	0·10	0·25	0·15	...	0·40	0·16	...	0·05
24		0·24	0·38	0·10	0·32	0·26	0·36	0·10	0·32	1·50	0·25	0·37	0·37	0·17	0·28	0·03
25		0·07	...	0·45	...	0·72	0·40	0·13	0·84	...	1·00	0·42	0·65	0·48	0·54	...
26		0·05	...	0·16	0·25	0·03	0·12	0·04	0·05	...	...	...	...	...	...	...
27		...	0·01	...	0·03	...	...	...	0·01	0·03	...	...	...	...	...	...
28		0·02	0·02	0·13	...	0·06	0·16	0·32	0·53	0·08	0·10	0·94	0·15	...	...	...
29		0·03	0·01	0·10	0·17	...	0·20	...	0·10	...	0·07	...	0·14	...	...	...
30		0·13	0·09	0·08	0·03	0·18	0·08	0·07	0·28	0·90	0·22	...	0·15	0·25	...	0·09
31		0·04	...	0·14	0·11	0·86	0·44	0·19	0·11	0·03	0·11	0·32	0·60	0·27	...	...
Total ...	...	3·16	3·56	4·21	4·45	6·06	4·27	3·83	7·19	9·49	6·91	5·16	8·30	6·58	5·35	2·25

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of MAY 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarraque.	Beau Bois.	Bel Ombre.	Chamarel.	Clarens.	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins,	
April 1d	0·32	0·92	2·15	0·13	1·40	0·43	0·01	...	...	...	1·39	0·60	0·01	0·35	0·06	...
2	...	1·49	0·90	...	...	...	0·25	...	...	0.93	1·11	...	0·35	0·10	0·54	...
3	...	...	...	...	...	...	...	...	...	...	...	...	0·06	...	0·02	...
4	...	...	...	...	...	...	...	...	...	...	...	...	0·01	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	0·01	...	...	...
6	0·11	...	...	...	0·47	0·32	...	...	...	...	...	...	...	...	...	...
7	...	1·38	0·54	...	...	...	...	...	...	...	0·05	...	0·01	...	...	...
8	...	...	...	0·38	...	...	...	...	...	...	0·04	...	0·01	} 0·69	...	...
9	0·26	0·48	0·90	...	0·52	...	0·27	...	...	0·16	0·85	...	...		0·18	...
10	...	0·10	0·20	0·91	0·05	0·20	...	...	...	0·04	0·08	...	0·04	1·94	0·02	...
11	0·97	3·66	2·95	...	1·80	0·68	0·41	0·24	0·49	1·15	1·68	0·50	1·44	0·63	1·44	0·50
12	0·07	0·21	0·35	...	0·15	...	...	...	...	0·21	0·31	0·15	0·08	...	0·48	...
13	...	...	...	...	...	...	...	...	...	...	0·04	...	0·01	0·06	...	...
14	...	0·16	0·10	...	...	...	...	...	...	...	0·03	...	0·01	...	...	...
15	...	...	...	...	...	...	0·11	...	...	...	...	...	0·01	0·10	...	...
16	1.83	1·33	0·50	0·11	1·07	2·86	3·68	0·50	1·17	0·03	0·87	...	...	0·16	0·18	0·28
17	1·25	2·47	1·75	0·76	1·68	...	1·15	...	...	0·13	1·32	...	0·03	...	0·01	...
18	...	0·03	...	...	0·05	...	...	...	...	...	...	...	0·01	0·03	0·02	...
19	0·25	0·39	0·45	0·68	0·55	0·45	0·11	...	...	...	0·16	...	0·02	0·17	0·01	...
20	0·51	0·82	0·30	0·67	0·63	0·04	0·31	...	...	0·11	0·17	...	0·01	0·05	0·08	...
21	0·04	...	0·05	...	0·10	...	0·04	...	...	0·08	0·07	...	0·08	0·16	0·08	0·04
22	...	0·06	0·07	0·13	...	...	0·08	...	...	...	0·12	0·15	0·07	0·14	0·18	0·15
23	0·14	0·20	0·30	0·20	0·25	...	0·11	...	...	0·22	0·47	0·10	0·01	0·76	0·30	...
24	0·13	0·28	0·40	0·08	0·43	0·40	0·18	...	0·08	0·65	0·96	0.30	...	0·87	0·36	0·08
25	0·02	0·38	...	0·18	0·23	...	0·06	...	...	0·69	1·42	0·30	0·35	0·10	0·90	0·03
26	...	...	...	...	...	...	...	...	...	...	0·04	...	0·06	...	0·08	...
27	...	...	...	...	...	...	...	...	...	0·09	...	...	0·01	...	0·01	...
28	...	0·08	0·20	...	0·04	...	...	...	...	...	0·05	...	0·05	0·06	...	...
29	0·08	0·05	0·08	...	0.03	...	...	...	...	...	0·05	...	0·03	0·36	0·04	0·03
30	0·08	0·90	0·55	0·22	0·14	...	...	...	...	...	0·16	...	...	1·09	0·36	...
31	0·04	0·23	2·45	0·22	0·15	...	...	...	...	0·38	0·52	0·48	0·47	...	0·30	...
Total ...	6·10	15·62	15·19	4·67	9·74	5·38	6·77	0·74	1·74	4·87	11·96	2·58	3·25	7·82	5·65	1·11

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.

MAY 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending \ Day.	1d.	2d.	9d.	10d.	11d.	12d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	28d.	29d.	30d.	31d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	...	·160	...	...	...	...	...	·005	...	·020	·040	...	...	·005
2	...	...	...	...	...	...	...	...	...	...	...	...	...	·095	...	...	·010
3	...	...	...	...	·140	·020	...	...	...	·010	..	...	·005	...	...	...	·005
4	...	...	...	...	·080	...	...	...	...	·010	·075	...	...	...	...	·025	...
5	...	...	...	...	·020	...	...	...	·020	...	·070	...	...	...	...	...	...
6	...	...	...	...	·020	...	...	...	...	·150	...	...	...	...	...	...	...
7	...	0·05	·035	...	...	·010	·020	·030	...	·025	...	...	...	...	...	·005	·010
8	...	...	...	...	...	...	·010	...	...	·025	...	...	...	·005	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·010	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	·005	...	...	...	...	...	·020	·050	...
Noon	...	...	...	...	...	...	...	·010	·005	...	...	...	...	...	...	·045	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	·050	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	·140	...	...	...	...	...	...	...	·010	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	·030	...	...	...	...	...	...	...	·040	...	...	...	...	...	...	...	...
18	·010	...	...	·040	...	...	...	...	·010	...	...	...	...	...	...	...	...
19	...	...	...	·390	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	·060	...	...	...	...	...	...	·030	...	...	...	...	...	...
21	...	...	...	·430	...	...	...	...	...	·020	·120	...	...	...	...	...	...
22	...	...	...	·030	...	...	...	...	...	·030	·020	...	...	...	...	...	...
23	...	...	...	·050	·020	...	...	...	...	...	...	·015	...	...	...	...	...
Midnight	...	...	...	·400	...	...	...	·010	...	...	·030	·025	...	...	...	·005	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1d.	2d.	3d.	6d.	8d.	9d.	10d.	11d.	12d.	15d.	16d.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	28d.	29d.	30d.	31d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	·44	...	...	...	...	·36	...	...	·01	·01	...	·03	·06	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	·38	...	·37	...	...	...	...	·02	·18	·08	...	...	...	...	...	·01	...	·02	·10
3	...	...	...	...	...	...	...	...	·01	...	·15	...	...	...	·03	·03	...	...	...	...	...	...	...	...
4	...	...	...	...	...	·06	...	...	...	...	·29	...	...	·16	·11	...	.03	...	...	...	...	...	·02	...
5	...	...	...	...	...	·03	...	·01	...	...	·08	...	...	·02	...	...	...	...	...	·01	·02	...	...	...
6	...	...	...	...	...	·01	...	...	...	...	·32	...	...	·04	...	...	...	...	...	...	·01	·02	·02	...
7	...	...	...	...	...	...	...	...	...	...	·12	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	·36	...	...	...	...	·01	...	...	...	·01	...	...	·01	...
9	...	...	...	...	...	...	...	...	...	·02	·24	...	...	...	...	...	·01	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	·40	...	...	·17	...	...	...	...	.03	·10	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	·16	...	...	·06	...	...	...	...	·05	·08	...	...	...	...
Noon	...	...	...	...	...	..	...	...	...	...	·06	...	...	...	·02	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	·01	...	·01	...	...	...	...	...	·16	...	·01	...	..	...
14	...	·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·12	...	...	...	...	...	...
15	·66	·52	...	·06	...	...	·17	...	...	...	...	...	...	...	...	...	...	·02	...	...	...	...	·01	...
16	·10	...	...	·10	...	...	·03	...	...	...	...	...	...	...	...	...	...	·01	·02	...	...	...	...	...
17	...	...	...	...	...	...	·16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	·54	...	...	...	...	...	...	...	·03	...	...	·01	...	...	...	...	...	...
19	...	·03	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·01	...	...	...	...
21	...	·19	...	...	...	...	...	·02	...	...	...	...	...	...	...	...	·04	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	·01	·01	...	...	...	...	...	·02	...	...	·06	...	...	...	...	...	...	...
Midnight	...	...	...	·02	...	...	·33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of MAY, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	4·15	2·76	13
	2	Union	200	2·48	2·62	10
	3	St. Antoine ...	50	3·16	3·90	15
	4	Bel Mont	50	3·07	3·00	8
	5	Poudre d'Or ...	20	2·80	3·45	7
	6	Poudre d'Or Hospital	10	3·13	3·03	4
	7	Mon Loisir (R) ...	300	3·51	4·16	11
	8	Mon Loisir (S.E.) ...	300	4·34	4·19	16
	9	Forbach	300	3·08	1·73	7
	10	Labourdonnais ...	290	3·56	4·68	10
	11	Beau Séjour ...	300	4·21	5·85	16
	12	Mont Piton ...	860	6·17	3·23	17
	13	Mon Choix... ...	700	5·66	4·92	9
	14	Antoinette	640	5·96	5·14	16
	15	California	850	2·45	6·00	15
	16	Nouvelle Découverte	1,400	6·06	3·94	19
	17	Mon Songe... ...	620	6·19	5·99	20
	18	La Grande Rosalie ...	643	3·95	5·27	15
	19	The Mount... ...	325	4·86	4·40	12
	20	Botanical Gardens...	225	4·45	4·16	15
	21	Beau Plan ...	195	3·86	3·11	12
	22	The Observatory ...	179	3·32	3·27	17
	23	Solitude	175	3·34	2·81	9
	24	St. André	90	4·65	3·64	5
	25	Belle Vue Harel ...	350	3·80	3·53	10
	26	Mont Choisy ...	10	3·13	2·55	9
	27	Belle Vue Pilot* ...	...	3·62	...	8
2&3	1	Union (Régnard) ...	600	5·29	6·22	...
	2	La Grande Retraite..	350	6·18	5·48	16
	3	Constance d'Arifat...	100	3·83	5·09	16
	4	St. Julien P.O. ...	1,050	7·19	6·49	24
	5	Rich Fund * ...	600	4·27	...	14
4	1	Sans Souci	900	9·49	12·85	18
	2	Etoile	400	6·91	9·88	16
	3	Beau Champ ...	20	5·16	5·12	15
	4	Belle Rive * ...	400	7·02	...	15
	5	Olivia *	400	4·94	...	31
	6	Deep River* ...	350	5·11	...	15
5	1	Rose Belle* ...	850	8·30	...	19
	2	Cent Gaulettes ...	500	15·84	13·24	17
	3	St. Hubert * ...	400	15·46	...	16
	4	Riche-en-Eau ...	460	6·58	8·47	13
	5	Ferney	20	5·35	9·31	11
	6	Beau Vallon (R) ...	60	2·25	5·70	11
5 (cont.)	7	Union Vale	200	4·37	5·70	11
	8	Mon Désert(Carié).*	75	3·54	...	15
	9	Riche Bois	1,420	9·04	9·17	31
6	1	Kanaka	2,000	15·19	11·01	21
	2	Tivoli ...	1,300	13·31	9·97	21
	3	La Flora*	1,050	15·19	...	20
	4	Britannia (No. 1)...	730	15·62	9·99	21
	4 a	Britannia (No. 2)†*	600	9·07	...	24
	5	Gros Bois	500	7·14	7·84	21
	6	Savannah (Residence)	200	4·55	9·16	10
	7	Savannah, (Mill) ...	200	5·18	7·41	13
	8	St. Aubin	300	6·10	6·12	16
	9	Union Bel Air ...	90	6·40	6·08	15
	10	Beau Bois	350	9·74	8·68	19
	11	Labarracq * ...	250	4·67	...	13
	12	St. Avold * ...	900	14·71	...	17
	13	Terracine *... ...	100	5·38	...	14
7,8&9	1	Bel Ombre * ...	50	5·38	...	8
	2	Chamarel ...	400	6·77	6·04	14
10		No returns ...				
11	1	Les Gorges... ...	...	4·97	3·94	15
	3	Curepipe Gardens ...	1,840	6·37	8·58	22
	4	Mare-aux-Vacoas ...	1,850	11·96	11·29	24
	5	La Marie Filter Bed §	1,700	...	...	...
	6	Réunion	1,420	4·87	5·88	14
	7	Tamarin *	150	1·74	...	3
	8	Clarens *	150	0·74	...	2
12	1	The Manse ...	850	3·46	2·48	17
	2	The Bower	1,080	3·45	4·23	14
	3	Le Réduit (D.of A.)	1,000	3·25	3·94	26
	4	Alma	1,460	7·82	8·72	20
	5	Minissy	1,150	4·08	3·84	15
	6	Bagatelle ...	1,250	4·79	4·99	16
	7	Highlands	1,300	5·90	5·71	18
	8	Trianon	950	3·89	3·47	11
	9	Salency	923	2·58	2·84	8
	10	Military Camp (V.)..	1,370	5·65	3·93	22
	11	La Ferme * ...	350	1·11	...	7
	12	Bon Air	1,050	3·96	3·96	10
	13	Val Ory	1,100	4·05	4·26	20
13	1	Salines(Roche Bois)§	10	...	...	...
	2	The Albion Dock ...	18	1·45	2·42	5
	3	Line Barracks ...	10	2·55	2·11	9

* Normals not available § Record not received † Bon Acceuil.

THE PRESENT DROUGHT COMPARED WITH THAT OF 1896-97.

The severest drought on record in the north of the Island occurred in 1896-97, when the crop on many estates was reduced by about 75%. The crop for the whole Island in that year was 16 % below the normal with a total rainfall, for the agricultural districts, 43 % below normal for the growing season September to May.

During the present drought (1914-15) the total rainfall for the same districts and the same period has been 24 % below normal.

In the following tables the rainfall during these two droughts in the different districts of the Colony, grouped according to the River Systems, is referred to the normal for each month. The intensity of the present drought can, in consequence, be estimated by comparison with that for 1896-97, the effect of which on the crop is known. The effect of the present drought has probably been considerably reduced by the high temperatures which have prevailed throughout the season.

River System.	Season.	Percentage of Normal Rainfall.									
		September.	October.	November.	December.	January.	February.	March.	April.	May.	Season.
Northern Districts River System 1.	1896—1897	66	37	68	26	96	57	9	50	22	46
	1914—1915	59	51	59	36	21	102	102	56	104	72
	Excess of 1914-15	− 7	+14	− 9	+10	−75	+45	+93	+ 6	+82	+26
Eastern Districts River Systems 2, 3, 4.	1896—1897	67	42	95	35	121	98	28	47	43	63
	1914—1915	57	80	47	37	38	118	112	65	86	82
	Excess of 1914-15	−10	+38	−48	+ 2	−83	+20	+84	+18	+43	+19
South Eastern District River Systems 5, 6	1896—1897	58	52	83	31	130	99	49	25	33	65
	1914—1915	96	72	44	32	38	91	113	72	99	80
	Excess of 1914-15	+38	+20	−39	+ 1	−92	− 8	+64	+47	+66	+15
Western Districts River System 11	1896—1897	76	55	67	41	87	120	27	68	45	66
	1914—1915	59	55	57	37	21	100	109	36	95	72
	Excess of 1914-15	−17	0	−10	− 4	−66	−20	+82	−32	+50	+ 6
Western Districts River System 12	1896—1897	84	75	83	28	85	55	21	42	27	49
	1914—1915	64	56	51	19	25	93	117	56	101	74
	Excess of 1914-15	−20	−19	−32	− 9	−60	+38	+96	+14	+74	+25

From the above table it will be seen that whereas the shortage in the months of September, November and January in 1896-97, was less marked than in the corresponding months of the present season it continued in the former case over the whole Island until the month of May. The present drought may be considered to have ceased about the end of January except for the shortage in April. The chronological distribution has been defective throughout the season, heavy rains alternating with prolonged periods of nearly absolute drought.

THE EARTHQUAKE RECORDED at THE OBSERVATORY ON MAY 1.

An Earthquake shock of unusual severity was recorded between 9^h. and $11\frac{1}{2}^h$. (M.S.T. 4 hrs. fast on Greenwich) on May 1st. The times of beginning, end, and maximum amplitude are given in table ii. According to a report in "Nature" of the 6th. of May this disturbance was registered by Seismographs all over Europe and, although at that time no direct information had been received concerning the locality affected, the instrumental records indicate the position of the epicentre as being approximately in latitude 47° N. and longitude 156° E. or on the east side of the Kurile Islands.

NEW SERIES (MONTHLY). VOL. I. PART 6. PRICE RS. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20° 5′ 39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JUNE, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS

1915.

NEW SERIES (MONTHLY). VOL. I. PART 6. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′·39″ S.—LONGITUDE 3h·50m·12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JUNE, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS

1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1915.

Month and Day. 1915.	Barometric Pressure. Mean	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
June 1	29·818	−·104	79·1	66·1	13·0	72·3	+2·1	69·2	66·9	+ 4·7	83	+ 7	·658	59·0	0·100	35	·160	6·1
2	29·833	−·092	77·1	67·2	9·9	71·9	+1·9	68·9	66·6	+ 4·4	83	+ 7	·651	62·3	0·005	5	·075	9·5
3	29·871	−·056	79·1	66·5	12·6	72·2	+2·3	68·5	65·8	+ 3·7	80	+ 4	·634	61·9	0·000	...	·090	8·8
4	29·898	−·032	80·1	65·4	14·7	72·4	+2·6	68·7	65·9	+ 3·9	80	+ 4	·636	56·8	0·000	...	·050	5·0
5	29·904	−·029	78·2	65·5	12·7	71·5	+1·8	66·6	63·0	+ 1·1	75	− 1	·575	56·8	0·000	...	·140	2·3
6	29·918	−·018	77·8	67·1	10·7	72·3	+2·7	67·7	64·0	+ 2·2	76	0	·595	62·9	0·040	25	·230	5·1
7	29·929	−·009	78·3	70·6	7·7	74·0	+4·5	70·0	67·1	+ 5·4	79	+ 3	·663	67·5	0·000	...	·280	7·6
8	29·919	−·031	77·0	69·6	7·4	73·1	+3·7	70·0	67·7	+ 6·2	83	+ 7	·677	69·1	0·040	35	·100	9·9
9	29·836	−·107	78·2	66·3	11·9	72·5	+3·2	69·6	67·4	+ 6·0	84	+ 8	·670	60·8	0·010	10	·140	6·0
10	29·823	−·123	79·7	64·1	15·6	71·5	+2·3	68·5	66·2	+ 4·9	84	+ 8	·642	57·9	0·000	...	·080	4·9
11	29·816	−·133	79·6	65·3	14·3	71·3	+2·2	67·4	65·4	+ 4·2	79	+ 3	·625	57·6	0·000	...	·130	2·9
12	29·779	−·172	78·1	61·2	16·9	69·2	+0·2	65·3	62·2	+ 1·1	79	+ 3	·559	55·9	0·000	...	·130	1·9
13	29·836	−·108	76·1	64·1	12·0	69·4	+0·5	62·0	56·2	− 4·9	63	−14	·451	57·2	0·000	...	·330	3·6
14	29·946	−·011	73·9	58·1	15·8	66·4	−2·4	58·9	52·9	− 8·2	62	−15	·400	51·6	0·000	...	·180	4·9
15	30·011	+·051	73·6	59·5	14·1	66·5	−2·2	61·2	56·8	− 4·2	71	− 6	·461	49·1	0·000	...	·160	5·6
16	30·021	+·058	73·7	61·9	11·8	67·2	−1·5	62·4	58·5	− 2·5	74	− 3	·490	47·9	0·075	50	·155	4·9
17	30·006	+·040	74·8	64·2	10·6	68·7	+0·1	63·8	60·0	− 0·9	74	− 3	·517	56·1	0·030	30	·120	6·4
18	29·998	+·030	74·6	64·7	9·9	69·2	+0·7	64·0	60·0	− 0·8	73	− 4	·517	55·9	0·030	25	·160	3·4
19	29·972	+·001	75·0	64·7	10·3	68·6	+0·1	64·4	61·1	+ 0·3	77	0	·538	62·4	0·280	115	·160	7·0
20	29·947	−·026	74·8	64·9	9·9	69·0	+0·6	63·5	59·0	− 1·7	71	− 6	·499	61·2	0·125	40	·275	3·8
21	29·977	+·002	74·7	63·6	11·1	68·8	+0·4	63·7	59·6	− 1·1	73	− 4	·510	57·5	0·075	10	·315	4·6
22	30·001	+·024	74·0	62·3	11·7	67·4	−0·9	62·2	58·2	− 2·4	72	− 5	·485	54·7	0·050	5	·140	4·5
23	29·956	−·023	74·2	58·5	15·7	66·0	−2·2	60·4	55·6	− 4·9	70	− 7	·442	50·7	0·000	...	·220	2·7
24	29·923	−·058	74·1	58·3	15·8	66·2	−2·0	62·8	60·2	− 0·2	81	+ 4	·521	50·7	0·000	...	·190	5·7
25	29·933	−·049	76·6	60·9	15·7	68·0	−0·2	64·5	61·6	+ 1·3	80	+ 4	·547	59·0	0·130	25	·270	7·1
26	29·965	−·019	76·8	57·3	19·5	67·2	−0·9	63·3	60·2	0·0	78	+ 2	·521	51·8	0·005	5	·145	5·7
27	29·972	−·013	74·8	57·2	17·6	67·6	−0·5	61·4	56·4	− 3·8	68	− 8	·455	51·3	0·000	...	·140	5·2
28	29·975	−·012	75·6	57·2	18·4	66·2	−1·9	61·1	56·9	− 3·3	72	− 4	·463	51·3	0·000	...	·180	6·5
29	29·968	− 020	75·2	58·6	16·6	66·8	−1·2	62·7	59·4	− 0·7	77	+ 1	·506	51·8	0·000	...	·140	5·7
30	30·006	+·017	74·6	62·4	12·2	67·9	−0·1	62·1	57·5	− 2·6	70	− 6	·473	57·2	0·000	...	·210	3·9
Mean	29·925	−·034	76·3	63·1	13·2	69·4	+0·6	64·8	61·3	+ 0·3	75·7	−0·7	·546	56·9	Sum ·995	Sum 415	·170	5·4
Average	29·959	...	76·1	62·6	13·5	68·8	...	64·5	61·0	...	76·4	...	·536	56·3	2·576	1527	·124	4·6
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of June.

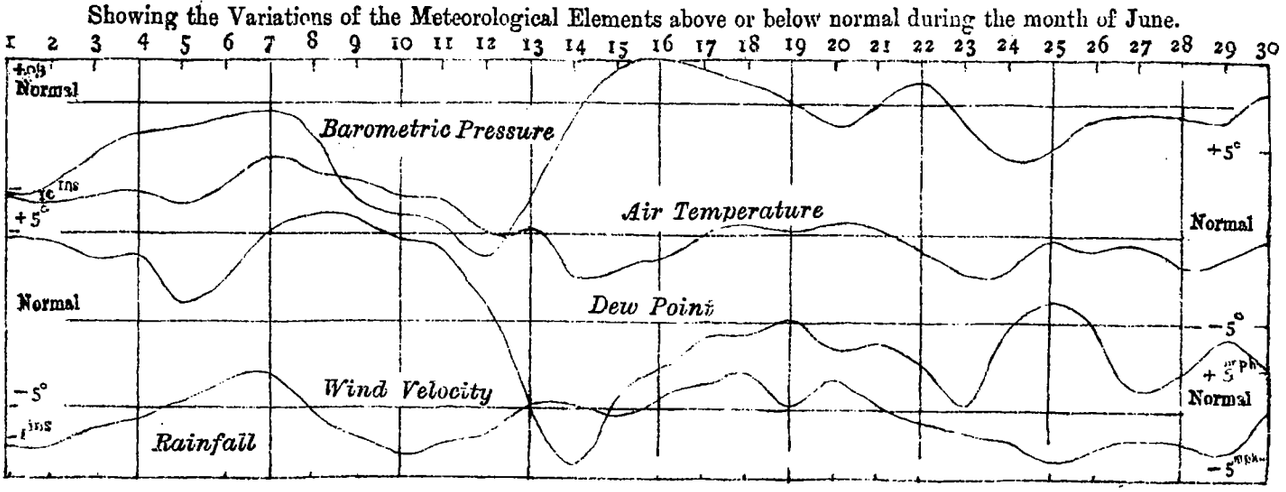


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches.	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
June 1	7·6	69	− 0·8	+ 5·0	81	5·1	+ 19	− 4·4	6·3	− 4·1	78·1	79·4	76·34	76·00	76·36	f. : c.g.p.
2	3·5	32	− 2·4	+ 4·5	62	5·1	00	− 4·5	5·5	− 4·9	78·5	79·5	76·68	76·33	76·05	ogp: c.g.
3	4·6	42	− 4·1	+ 6·2	56	7·4	− 5	− 2·2	7·6	− 2·9	78·1	79·2	76·33	75·82	75·54	c.g. : c.
4	7·6	70	− 5·4	+ 7·3	54	9·1	− 7	− 0·6	9·2	− 1·3	78·1	79·3	76·36	76·01	76·42	f. : c. : f.
5	10·2	94	− 6·4	+ 8·4	53	10·6	− 8	+ 0·9	10·8	+ 0·2	78·1	79·4	76·62	76·26	76·94	b. : f.
6	8·1	74	− 6·6	+ 11·7	61	13·4	0	+ 3·6	13·5	+ 2·8	78·1	79·1	76·60	75·99	75·80	c.p. : f. : c.q. : f.
7	7·5	69	− 3·5	+ 13·9	76	14·3	+ 15	+ 4·5	14·7	+ 4·0	78·3	79·3	76·49	75·89	76·31	c. : c.q.
8	0·0	0	− 2·9	+ 10·0	74	10·4	+ 13	+ 0·5	10·6	− 0·2	78·1	79·3	76·43	75·81	75·21	o.g. :o.g.p. :c.g. :ogq
9	7·6	70	− 1·5	+ 6·8	78	6·9	+ 17	− 3·0	7·4	− 3·4	77·7	78·9	76·00	75·77	76·46	c.g.q.p.: c.p. : f. : b.
10	6·3	58	− 0·5	+ 1·9	75	2·0	+ 14	− 8·0	5·6	− 5·3	78·1	78·8	76·25	75·77	76·51	b.l. : c. : f.
11	8·5	78	− 4·6	+ 4·3	43	6·3	− 17	− 3·7	7·0	− 4·0	78·1	78·8	76·23	75·70	76·11	b. : f. : c. : b.
12	10·2	94	− 3·6	− 2·5	325	4·4	+ 265	− 5·7	7·4	− 3·6	78·1	78·9	76·18	75·67	76·31	b. : f.
13	10·0	92	− 10·3	− 3·0	344	10·7	+ 284	+ 0·6	11·8	+ 0·7	78·1	78·7	76·47	75·86	77·06	f.
14	7·2	66	− 10·8	+ 1·2	6	10·9	− 54	+ 0·7	11·3	+ 0·1	77·8	78·6	75·71	74·56	73·76	c. : f. : o.g: f.
15	5·8	53	− 8·1	+ 5·5	34	9·8	− 26	− 0·4	10·3	− 0·9	77·9	79·1	74·56	73·45	73·16	f. : c. : f. : c.
16	7·5	69	− 7·9	+ 8·9	48	11·9	− 12	+ 1·6	12·7	+ 1·4	77·7	78·9	74·44	73·47	73·23	c.p.: c. : f. : c.p. : c.
17	8·4	77	− 3·8	+ 12·9	74	13·5	+ 14	+ 3·2	14·2	+ 2·9	77·9	78·4	73·93	72·88	72·25	o.p.: f.: c.p.q:f.q.:c.p.: f.
18	8·4	77	− 5·7	+ 14·2	68	15·3	+ 8	+ 5·0	15·7	+ 4·3	78·1	78·5	73·36	72·39	72·37	b. :f.q.:cpq: f.q: f.d.q. : f.q.
19	7·4	68	− 4·8	+ 10·4	65	11·5	+ 5	+ 1·1	12·1	+ 0·7	78·2	78·9	73·61	72·74	72·48	o.r. : c.q:f.q.: c.g: c.g.q.
20	9·8	90	− 6·3	+ 13·3	65	14·7	+ 5	+ 4·3	15·2	+ 3·7	78·1	78·4	73·39	72·45	72·22	f. : c.g.q.p: f. : b.
21	8·0	73	+ 1·2	+ 11·2	96	11·3	+ 36	+ 0·9	11·7	+ 0·2	78·1	78·4	72·74	71·58	70·59	f. : b. : f. : c.p:c.q.:f.q.: f. : c.
22	6·5	60	+ 0·8	+ 9·9	95	9·9	+ 35	− 0·5	10·4	− 1·2	78·1	78·5	72·11	70·95	69·73	d. : f. : c.p.q. :f.q.: f.
23	9·9	91	− 2·1	+ 8·2	76	8·4	+ 15	− 2·1	8·8	− 2·8	77·9	78·0	71·48	70·23	69·10	c. : f. : b.
24	3·5	32	+ 2·0	+ 5·9	109	6·2	+ 48	− 4·3	8·2	− 3·5	77·9	78·0	71·47	70·24	69·99	b. : c :o.g: c.
25	6·0	55	− 0·8	+ 4·2	79	4·3	+ 18	− 6·2	5·6	− 6·1	77·9	78·4	72·59	72·03	72·83	o.g.p. :c.g.: f. : c. : f.
26	7·6	70	− 2·9	+ 6·6	66	7·2	+ 5	− 3·3	7·6	− 4·2	77·9	77·9	72·41	71·62	71·64	f. : c.
27	8·8	81	− 5·2	+ 6·0	49	7·9	− 12	− 2·6	8·3	− 3·5	77·9	77·9	73·05	72·39	72·94	o. : c. : f.
28	8·5	78	− 5·5	+ 5·9	46	8·1	− 15	− 2·5	8·5	− 3·3	77·7	77·7	72·56	71·47	71·38	f. : c. : f. : c
29	7·2	66	− 3·9	+ 4·9	51	6·2	− 11	− 4·4	7·1	− 4·8	77·8	78·2	72·86	72·04	72·49	c. : f. : c. : f. : c.
30	9·8	90	− 5·3	+ 10·9	64	12·1	+ 2	+ 1·5	12·3	+ 0·4	77·7	77·6	73·32	72·56	72·83	c. : f. : f.q. : f.
Mean -	7·40	67·9	− 4·06	+ 7·15	60·4	8·22	− 0·4	− 1·94	9·91	− 1·28	77·97	78·67	74·55	73·80	73·80	...
Average	7·51	68·8	− 4·96	+ 8·87	60·8	10·16	...	...	11·19	...	77·85	77·77	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The large irregularities in the Meteorological elements referred to in the May bulletin have continued during the month of June, especially in barometric pressure and temperature of the dew point. The former varied from 0·172 in. below normal on the 12th. to 0·058 ins. above on the 16th. ; and the latter from 6·°2 above normal on the 8th. to 8·°2 below on the 14th.

The highest dew point temperature was 70°·4 at 8h. on the 9th. ; and the lowest 50°·3 at 17h. on the 14th.

The highest relative humidity was 99°·3 % at 8h. on the 26th. ; and the lowest 46·3 at 12h. on the 23rd.

From an agricultural point of view the meteorological conditions have been extremely unfavourable in the Northern and Eastern districts where the shortage of rain has persisted. Temperature, which was generally favourable during the first half of the month, fell to below normal during the latter half.

The soil temperature fell rapidly between the 20th. and 24th. but recovered by the end of the month.

The rainfall for the month was 61% below normal at the Observatory. The percentage variation from the normal in other parts of the Island was as follows :—

Northern Districts	River System 1,	60 % below normal
Eastern Districts	,, ,, 2, 3, 4.	46 % below ,,
South-Eastern Districts	,, ,, 5, 6	13 % below ,,

Western Districts	River System 11	15 % below
	,, ,, 12	9 % above
	,, ,, 13	22 % below

* South (0°) ; East (90°) ; North (180°) ; West (270°).

TABLE II.—DAILY RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of JUNE 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force. (Unit 1 γ)	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′				h m	h m	h m	mm	h m	h m	h m	mm	
June 1	9·40·8	·23233	·30844	7·0	17	18	1404	17·45·6	17·47·9	17·54·0	...	17·46·2	17·47·3	17·49·4	...	
							1405	20·55·5	21· 1·5	21. 8·3	...	...	...	...	...	
2	41·1	234	843	5·6	21	20										
3	41·0	240	843	3·4	26	14										
4	40·8	242	843	4·0	26	16										
5	41·1	238	844	3·6	11	11										
6	41·4	242	845	4·0	25	10	1406	12·11·3	12·13·0	12·16·4	...	...	...	...	...	
							1407	...	...	...	...	12·57·8	13· 2·0	13· 5·3	...	
7	41·1	250	844	2·6	34	10	1408	1·49·0	1·59·7	3·23·2	2·5	1·49·2	1·59·8	3·28·8	2·7	N.S. Pa : 1.56.4 and. max. 2.32.3 ; 1.5 m.m. E. W. 2nd. max. 2.10.8 1.7 m.m.
8	41·3	246	843	4·0	41	16										
9	41·2	239	844	5·2	23	14										
10	41·6	239	843	4·0	20	16										
11	41·5	240	841	4·6	28	17										
12	41·3	231	839	3·8	73	22										
13	40·8	218	843	6·2	51	10										
14	41·0	230	844	3·8	43	15										
15	41·3	235	844	4·4	14	17										
16	41·3	234	845	4·0	52	15										
17	41·1	128	858	9·2	266	47										
18	40·3	157	865	7·6	101	23	1409	...	...	...	...	3·19·7	3·21·6	3·27·9	0·6	
19	41·3	170	862	5·8	20	19										
20	41·0	180	860	4·6	17	14										
21	41·0	191	859	6·4	23	21										
22	40·7	196	859	5·0	46	11										
23	40·9	206	859	3·8	27	15										
24	41·4	215	857	5·8	18	17										
25	41·0	215	855	7·0	49	18										
26	41·7	218	852	4·8	35	22										
27	40·7	214	852	2·8	29	9										
28	41·5	220	849	4·8	27	22										
29	41·2	219	849	3·0	22	14										
30	41·5	221	848	4·0	27	14										
Mean	9·41·13	·23218	·30849	4·83	40·4	16·9	...	...	...	...	...	...	...	...	...	...

* Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of JUNE 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.	MAGNETIC DISTURBANCES. Element.	Time of. Beg:	Time of. End.	Time of. Max:	Time of. Min:	Total Range
d h m	° ′	d h m		d h m	° ′		d h m	d h	d h m	d h m	
June 2. 8.33	9.42·04	June 2. 9.40	·23242	June 1.10.58	52.59·6	Hor. Force	12. 6	15. 6	12. 8.10	12.21	78γ
13.34	9.38·49	12.46	·23247	5. 8.23	53. 0·4	,, ,,	16.17. 3	(See plate)			375γ
8. 8.19	9.40·21	8. 9.16	·23264	9.10.51	53. 0·0	Declination	16.17. 3	,,	,,		1′·7
13.50	9.41·49	12.51	·23245	12. 9.29	52.59·4	Vert. Force		,,	,,		34γ
15. 8.35	9.41·60	15. 9.32	·23236	17.10.45	53. 1·3	Hor. Force	21.19. 8	23.15	22 7	22.16	50γ
13.42	9.38·99	13. 0	·23240	19. 8.59	53. 6·4	,, ,,	25. 1.25	27.13	25.12	25.17	63γ
21. 8.31	9.41·07	21. 9.45	·23185	22.10.38	53. 4·5						
13.41	9.38·82	12.54	·23187	26.10.40	53. 1·6						
28. 8.49	9.40·26	28. 9.41	·23229								
13.34	9.41·37	12.58	·23227								

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

June 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	ins. 29·000																
Midnight	865	843	865	905	925	904	945	947	905	823	855	811	800	915	1012	1049	Midnight
1h	847	835	855	903	924	910	932	961	899	818	845	805	795	914	1005	1044	1h
2	841	821	846	888	911	896	936	946	875	809	816	796	796	905	1006	1026	2
3	826	806	835	881	905	894	916	936	846	802	816	785	791	899	991	1011	3
4	819	807	835	885	896	894	905	939	836	804	806	774	789	886	986	1004	4
5	811	808	826	884	903	894	906	926	836	809	807	765	795	888	984	1003	5
6	818	821	847	903	912	903	917	929	847	816	817	770	817	902	987	1014	6
7	820	836	874	903	917	917	936	942	857	830	827	788	840	923	1017	1020	7
8	822	847	886	916	932	937	947	953	879	840	846	807	857	944	1032	1036	8
9	837	857	902	926	936	946	957	963	896	866	857	817	863	962	1042	1057	9
10	821	851	896	916	929	944	941	964	886	851	852	808	856	966	1036	1061	10
11	811	838	885	896	916	933	943	946	856	826	841	796	846	963	1028	1055	11
Noon	805	826	866	886	905	923	936	906	836	806	816	776	822	946	1006	1031	Noon
13h	778	814	846	875	885	900	905	889	805	784	794	755	804	925	985	1014	13h
14	770	795	833	864	869	885	905	884	785	778	785	750	792	917	975	995	14
15	775	795	825	863	868	891	895	875	778	784	781	745	791	925	982	991	15
16	775	802	845	865	870	894	901	860	783	792	785	745	795	940	980	993	16
17	789	815	859	879	880	915	909	865	788	801	785	745	815	955	985	994	17
18	810	834	881	884	884	924	929	884	797	814	791	749	840	973	1004	1002	18
19	824	859	904	904	893	928	934	904	807	834	804	764	864	984	1014	1014	19
20	841	864	923	924	903	944	952	917	817	854	814	779	894	999	1033	1014	20
21	841	870	914	932	914	949	944	909	841	860	820	784	913	1011	1043	1024	21
22	845	869	914	934	914	949	959	914	827	864	821	791	916	1009	1049	1033	22
23	842	870	916	933	904	939	953	914	822	860	814	802	920	1006	1053	1033	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. \ Hour.
	ins. 29·000															
Midnight	1032	1023	988	963	963	1011	986	938	923	975	973	993	988	1008	938	Midnight
1h	1022	1021	985	952	957	1002	975	932	913	969	972	987	977	992	932	1h
2	1008	1011	977	941	944	989	961	921	905	951	961	980	959	991	920	2
3	989	995	958	933	939	977	958	909	900	949	955	970	950	980	910	3
4	986	987	958	931	940	976	952	901	901	948	955	961	949	976	906	4
5	992	975	962	941	942	982	952	904	905	950	956	962	945	972	906	5
6	998	983	978	943	952	993	961	912	908	961	959	973	953	978	916	6
7	1015	993	984	955	964	1020	964	925	926	973	975	985	966	990	929	7
8	1026	1016	996	975	983	1031	994	941	936	985	996	994	979	996	944	8
9	1038	1036	1012	986	997	1042	996	957	945	997	1007	1010	992	1027	957	9
10	1036	1037	1009	976	1005	1050	986	956	959	995	1001	1006	991	1026	954	10
11	1025	1029	991	966	996	1031	976	950	951	981	994	999	986	1024	943	11
Noon	1020	1018	965	944	975	1005	960	934	935	965	975	985	980	1010	925	Noon
13h	1014	989	949	927	961	974	939	913	913	946	949	955	954	989	904	13h
14	973	980	943	920	952	965	926	909	907	931	935	933	928	978	892	14
15	970	972	942	911	951	961	922	896	903	932	930	924	922	974	889	15
16	963	959	945	913	962	970	925	897	913	938	942	923	930	982	893	16
17	963	963	949	923	972	981	929	911	932	950	952	938	943	990	902	17
18	975	974	964	933	982	989	933	908	934	957	963	954	954	1002	914	18
19	995	990	973	940	995	1004	945	915	952	964	974	975	970	1025	928	19
20	1021	996	976	955	020	1021	955	925	965	979	986	995	986	1047	943	20
21	1026	1006	986	965	025	1025	959	935	978	985	1002	1002	1001	1049	950	21
22	1034	1011	985	969	025	1018	962	944	982	989	1006	1005	1010	1055	953	22
23	1029	1010	974	963	019	1009	945	934	977	981	1003	1001	1012	1053	950	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

June 1915.

Day. / Hour.	1d. Air.	1d. Evaporation.	2d. Air.	2d. Evaporation.	3d. Air.	3d. Evaporation.	4d. Air.	4d. Evaporation.	5d. Air.	5d. Evaporation.	6d. Air.	6d. Evaporation.	7d. Air.	7d. Evaporation.	8d. Air.	8d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	68·4	67·1	69·9	68·2	68·3	66·5	69·5	67·3	68·2	66·2	70·1	68·0	71·3	67·3	72·9	69·2	Midnight
1h	67·9	66·4	69·9	68·8	68·1	66·5	68·7	67·1	68·1	66·2	70·2	67·5	72·1	67·8	72·8	69·5	1h
2	67·6	66·2	69·6	68·3	67·5	66·2	68·8	67·1	68·0	65·8	68·7	67·2	72·0	68·1	72·6	69·9	2
3	67·1	66·1	69·1	67·7	66·7	65·4	68·9	67·3	67·2	65·3	68·7	66·9	71·5	67·8	72·4	69·9	3
4	67·1	65·8	68·1	66·8	66·8	65·1	68·7	67·0	66·7	65·1	68·7	66·8	71·1	67·5	72·4	69·8	4
5	66·9	65·5	68·1	66·7	66·7	65·2	67·4	65·7	67·2	65·1	68·4	66·2	71·2	67·6	72·2	69·7	5
6	66·7	65·3	67·5	66·3	66·9	65·6	65·5	63·9	65·7	64·3	68·3	66·2	71·1	68·5	72·1	69·8	6
7	66·0	64·9	67·4	66·3	67·4	66·4	66·4	65·3	66·6	64·7	67·5	64·7	71·5	69·4	72·0	69·8	7
8	71·8	69·8	69·3	68·3	70·1	68·4	72·0	69·5	71·2	68·0	71·1	66·4	73·3	70·4	73·5	70·7	8
9	76·2	71·5	75·0	71·3	72·7	70·5	75·7	70·8	74·6	67·9	74·5	68·4	74·3	71·9	75·3	71·7	9
10	76·5	71·6	76·5	70·8	76·3	70·8	77·8	71·8	75·7	67·1	76·2	68·8	76·7	72·6	76·8	72·3	10
11	78·2	72·2	76·5	71·2	77·1	71·1	78·8	71·7	76·6	68·2	77·4	69·2	76·6	72·8	74·7	71·4	11
Noon	78·8	72·5	76·8	71·3	78·0	71·4	79·4	72·3	77·9	68·2	77·2	68·8	77·7	72·2	74·9	72·2	Noon
13h	79·0	72·1	76·0	70·8	78·6	70·6	78·7	71·8	77·6	67·3	77·1	69·2	77·2	72·1	75·9	71·6	13h
14	77·9	71·4	76·4	70.6	78·9	71·4	78·4	71·6	77·6	67·1	77·1	69·3	77·2	72·1	75·8	71·3	14
15	76·9	70·7	76·8	70·6	77·9	70·8	77·9	71·1	76·8	67·0	75·7	69·0	77·4	72·1	75·5	71·1	15
16	76·3	70·3	75·7	70·7	76·8	70·5	76·7	70·5	75·0	67·5	74·7	68·2	76·0	71·0	75·2	71·1	16
17	75·5	71·2	75·2	70·1	75·0	70·1	75·2	70·1	73·7	67·5	73·8	68·0	75·4	70·7	74·4	70·6	17
18	73·2	70·6	73·6	70·8	73·6	69·7	73·6	69·5	71·4	67·0	73·0	67·6	74·4	70·2	72·2	68·8	18
19	72·5	70·4	72·5	69·2	73·0	69·2	71·8	68·7	68·8	65·7	71·9	66·7	73·5	70·0	71·1	68·8	19
20	71·4	69·9	70·1	68·1	72·2	68·8	70·9	68·2	69·1	66·6	71·0	67·1	73·6	69·6	70·6	68·1	20
21	71·6	70·2	69·7	67·9	71·8	68·2	70·0	67·9	70·4	67·2	71·0	67·6	73·5	69·4	70·9	68·1	21
22	71·4	69·9	68·8	66·9	70·6	67·9	69·3	67·2	70·3	66·8	71·5	68·2	73·0	69·4	70·5	68·1	22
23	70·8	69·2	68·6	66·8	70·3	67·7	68·6	66·7	69·9	66·8	71·4	67·9	73·0	69·0	70·1	67·8	23

Day. / Hour.	9d. Air.	9d. Evaporation.	10d. Air.	10d. Evaporation.	11d. Air.	11d. Evaporation.	12d. Air.	12d. Evaporation.	13d. Air.	13d. Evaporation.	14d. Air.	14d. Evaporation.	15d. Air.	15d. Evaporation.	16d. Air.	16d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	69·6	67·7	66·3	65·0	69·6	66·9	65·4	63·7	65·3	62·5	64·6	60·2	64·9	59·3	63·6	60·9	Midnight
1h	69·7	67·7	66·1	64·8	66·8	65·1	63·7	62·2	68·2	63·7	64·3	59·9	64·5	58·9	63·6	60·8	1h
2	70·5	68·1	65·4	64·2	65·9	63·5	63·3	62·0	68·0	61·6	63·9	59·2	64·3	59·2	63·6	60·9	2
3	70·7	68·4	65·2	64·1	67·6	66·2	63·6	61·5	67·5	60·6	63·6	58·5	62·6	59·3	64·1	60·2	3
4	71·2	68·9	64·7	63·3	68·9	66·2	63·0	61·8	67·7	59·8	63·4	57·8	59·6	57·1	64·0	60·6	4
5	70·7	69·2	64·3	62·9	67·2	65·6	62·4	61·3	67·7	59·5	62·2	58·2	63·2	58·7	64·1	60·2	5
6	71·0	69·6	64·3	63·3	66·3	64·8	61·6	60·4	64·7	59·3	64·0	58·6	63·2	58·9	63·9	59·9	6
7	70·9	69·9	66·6	65·3	66·4	64·7	61·2	60·3	65·2	59·3	65·7	59·3	62·7	58·8	65·2	60·0	7
8	72·5	71·3	69·8	68·4	71·1	68·2	66·8	65·8	67·8	61·3	66·8	59·3	66·3	60·6	68·2	61·7	8
9	74·7	71·7	73·0	70·2	75·5	70·6	72·6	69·3	71·6	62·6	69·7	59·5	69·2	61·7	71·8	64·4	9
10	74·9	71·8	74·3	70·8	75·8	69·3	75·1	70·2	73·2	63·0	70·9	60·6	71·5	62·8	72·8	63·3	10
11	77·5	72·7	77·7	72·0	77 5	70·2	76·7	70·4	74·7	63·2	70·5	60·6	72·7	63·6	72·2	64·6	11
Noon	77·7	72·2	79·7	73·9	78·0	70·1	77·6	69·8	75·2	63·7	72·1	60·2	72·7	63·5	72·3	64·3	Noon
13h	75·6	71·6	79·2	73·1	78·2	70·1	77·6	68·4	75·9	65·0	73·4	61·2	71·8	63·4	70·9	64·3	13h
14	77·7	72·2	78·2	73·1	78·2	70·9	77·7	70·2	75·8	64·8	72·5	60·9	71·7	64·1	70·9	64·5	14
15	77·6	70·7	79·7	74·0	76·9	69·1	76·9	69·2	75·6	64·8	71·0	60·0	69·3	63·1	70·9	64·7	15
16	76·9	71·3	77·6	73·1	75·7	69·7	75·6	67·8	73·4	64·2	70·8	59·3	69·7	63·4	69·2	64·1	16
17	75·6	71·3	76·7	72·6	74·2	69·2	73·8	67·8	71·8	63·4	68·7	58·4	67·6	62·1	66·6	63·3	17
18	72·7	70·1	73·6	70·7	71·7	68·1	71·5	67·1	68·6	62·2	66·2	58·5	66·2	62·2	66·3	63·1	18
19	70·6	68·5	71·6	68·7	71·2	67·8	69·0	65·1	67·0	61·3	63·9	58·1	65·1	61·1	65·7	62·3	19
20	70·0	68·1	69·8	67·3	68·6	66·0	65·9	63·3	64·9	60·7	64·6	57·9	64·9	61·1	65·6	62·9	20
21	68·5	66·7	70·6	68·1	67·6	65·5	64·7	62·7	66·4	60·9	60·1	56·2	64·6	61·3	66·4	62·5	21
22	68·1	66·8	71·5	68·2	67·6	65·6	66·3	63·2	64·9	60·2	58·4	55·2	63·4	61·8	65·5	62·2	22
23	67·1	65·7	67·9	66·2	66·5	64·9	67·6	64·3	64·6	60·2	61·8	57·2	64·1	60·8	64·9	62·2	23

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

June 1915.

Hour \ Day	17d. Air.	17d. Evaporation.	18d. Air.	18d. Evaporation.	19d. Air.	19d. Evaporation.	20d. Air.	20d. Evaporation.	21d. Air.	21d. Evaporation.	22d. Air.	22d. Evaporation.	23d. Air.	23d. Evaporation.	24d. Air.	24d. Evaporation.	Day / Hour
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	64·6	62·2	65·0	60·7	67·3	63·2	66·1	63·2	66·6	62·1	66·0	61·3	62·6	59·0	58·3	56·7	Midnight
1h	64·3	62·2	66·1	62·3	66·6	64·4	66·1	64·6	66·6	61·3	67·1	63·2	63·5	59·7	58·7	57·3	1h
2	64·2	61·2	67·1	62·5	66·2	64·3	65·5	63·2	66·2	61·3	65·3	62·1	64·1	60·8	59·4	58·2	2
3	65·7	61·7	65·1	60·9	66·1	64·3	65·3	63·3	65·6	60·3	64·1	61·3	62·7	59·7	59·7	58·3	3
4	65·7	62·8	67·1	62·8	65·4	64·2	65·2	63·9	64·7	60·3	65·0	62·7	60·7	57·7	59·7	58·7	4
5	65·7	63·0	67·0	62·4	65·6	64·4	65·3	63·9	65·5	61·2	65·2	62·8	62·0	59·1	59·5	58·2	5
6	65·0	63·2	66·9	63·5	65·0	63·4	65·5	63·0	63·9	60·3	64·5	62·1	60·9	57·6	59·7	58·7	6
7	65·7	64·0	66·2	63·6	64·8	63·4	65·6	62·2	64·2	61·4	64·7	64·1	59·7	56·6	60·2	59·1	7
8	67·7	65·1	67·4	65·0	66·7	64·1	67·8	64·0	67·6	63·4	68·1	65·2	63·4	58·1	65·3	64·1	8
9	69·2	66·1	69·2	66·8	70·2	65·1	71·4	64·6	71·7	66·5	69·2	64·6	69·7	62·1	69·5	66·6	9
10	71·6	67·2	72·7	66·1	73·7	65·5	72·7	64·8	69·7	66·3	69·7	64·9	73·0	62·4	71·0	66·5	10
11	73·1	65·9	74·1	66·1	74·1	66·1	73·6	64·9	71·0	67·1	69·0	63·3	73·5	62·6	72·8	66·1	11
Noon	72·1	66·3	74·3	65·8	75·0	65·0	73·9	63·7	71·9	66·5	72·0	62·1	74·1	61·5	73·6	67·2	Noon
13h	74·5	66·8	72·8	66·0	72·6	65·0	74·6	64·6	74·6	67·2	73·9	63·0	73·6	62·0	72·9	67·1	13h
14	74·8	65·5	73·4	66·0	72·6	65·5	74·6	64·0	73·7	65·5	73·7	63·0	73·7	63·0	71·5	66·0	14
15	74·6	65·0	72·6	65·5	71·6	66·4	73·6	63·1	73·1	67·0	72·5	63·1	72·9	63·0	70·8	64·2	15
16	73·3	65·0	71·8	65·4	72·0	65·0	72·6	63·3	73·1	65·5	72·3	62·1	72·4	63·5	70·6	64·0	16
17	71·1	64·5	70·9	64·9	70·6	64·4	70·5	63·2	72·1	65·1	69·8	61·5	69·9	63·2	68·6	65·0	17
18	69·1	63·1	68·6	63·1	68·6	64·1	68·6	62·2	69·8	63·7	66·7	61·2	65·6	61·8	68·0	63·3	18
19	67·3	62·8	68·4	63·0	66·6	63·3	67·5	63·3	68·5	63·6	65·0	61·0	64·1	61·2	67·8	64·1	19
20	67·2	62·6	68·3	62·9	66·9	63·4	67·6	63·1	67·9	63·0	65·3	60·8	61·5	59·1	67·7	64·2	20
21	66·6	61·7	67·9	62·9	67·2	63·7	67·6	62·5	68·6	64·1	63·2	59·7	62·1	59·5	65·9	63·1	21
22	67·6	62·5	68·1	63·3	66·3	63·8	67·5	62·5	68·6	64·1	63·5	60·1	61·6	59·4	66·5	63·7	22
23	69·2	62·2	67·6	63·1	66·1	63·7	67·4	62·3	67·5	62·4	63·1	59·6	59·5	57·6	66·4	63·9	23

Hour \ Day	25d. Air.	25d. Evaporation.	26d. Air.	26d. Evaporation.	27d. Air.	27d. Evaporation.	28d. Air.	28d. Evaporation.	29d. Air.	29d. Evaporation.	30d. Air.	30d. Evaporation.	Mean. Air	Mean. Evaporation.	Day / Hour
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	66·4	64·2	60·9	59·2	67·6	64·1	57·5	55·4	63·6	61·2	66·0	63·3	66·2	63·4	Midnight
1h	66·4	64·4	60·9	59·3	66·6	63·2	57·2	55·2	62·0	60·1	65·3	63·5	66·1	63·4	1h
2	66·2	64·3	60·5	59·1	65·6	62·2	57·6	55·8	60·9	59·1	65·2	63·3	65·8	63·2	2
3	66·2	63·9	60·2	58·7	66·7	62·7	57·2	55·2	60·7	59·3	64·8	62·3	65·6	62·9	2
4	65·9	64·1	59·0	57·9	67·7	63·0	58·7	57·2	59·1	57·3	64·7	62·4	65·4	62·8	4
5	65·6	63·8	58·7	57·6	67·6	62·7	60·1	57·9	58·9	57·7	64·6	62·1	65·4	62·8	5
6	64·6	62·5	57·9	56·4	65·9	61·9	61·2	58·6	58·9	57·1	65·3	62·1	64·9	62·5	6
7	64·5	62·6	58·7	57·2	64·7	61·3	63·8	59·6	59·2	57·4	64·9	62·1	65·2	62·8	7
8	65·4	63·3	63·7	63·6	67·2	62·6	64·2	61·6	64·0	62·1	67·2	62·8	68·2	65·1	8
9	71·8	66·6	70·7	66·7	71·7	63·2	69·6	63·6	71·0	66·1	71·2	64·3	72·1	66·9	9
10	73·7	67·1	72·7	67·1	73·0	63·6	72·2	64·6	74·3	66·3	72·5	64·2	73·8	67·1	10
11	74·8	67·1	75·0	66·6	74·1	64·1	73·9	64·5	72·6	67·5	72·6	64·3	74·6	67·4	11
Noon	75·6	68·0	75·3	65·9	74·5	64·1	74·3	64·0	73·6	65·7	73·4	64·5	75·3	67·2	Noon
13h	75·1	66·2	76·2	67·3	73·8	63·1	74·2	65·0	75·1	66·7	74·3	64·0	75·4	67·2	13h
14	73·0	67·3	75·8	66·0	73·5	62·7	74·9	64·2	72·7	65·0	73·9	63·5	75·1	67·1	14
15	74·0	67·0	73·6	67·0	73·8	62·5	74·4	65·0	71·8	65·2	73·5	63·0	74·5	66·8	15
16	69·1	66·1	71·7	67·1	72·6	62·3	72·5	63·1	70·7	64·2	71·6	61·3	73·4	66·4	16
17	68·6	65·9	71·6	66·1	70·1	62·1	70·1	63·0	70·3	64·1	69·6	61·7	71·9	66·0	17
18	68·0	65·5	69·6	66·3	66·6	61·3	67·1	62·2	68·9	63·9	66·2	59·6	69·8	65·2	18
19	66·9	64·6	67·9	65·1	63·3	60·1	63·8	60·6	67·6	63·8	65·5	60·1	68·3	64·6	19
20	65·6	63·8	67·3	64·2	61·0	58·1	65·3	61·1	67·4	64·3	64·4	58·5	67·6	64·1	20
21	63·8	61·6	67·4	64·1	58·9	56·5	66·1	61·2	67·0	64·2	64·5	59·6	67·1	63·8	21
22	62·7	60·6	67·5	63·9	57·6	55·4	65·5	61·4	66·4	63·1	65·3	60·5	66·9	63·7	22
23	61·3	59·2	67·5	64·3	57·2	55·0	64·6	62·6	65·9	63·2	63·6	59·7	66·5	63·4	23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour. \ Day.	June 1915.																														
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	Mean.
Midnight	5	10	8	5	2	4	3	10	8	2	2	0	4	7	8	3	9	1	4	2	4	2	2	2	10	3	10	4	5	8	4·9
1h	3	10	10	3	1	8	7	10	8	1	2	1	2	6	3	8	10	2	10	6	3	9	7	1	10	3	10	6	7	8	5·8
2	2	10	9	4	1	5	8	10	9	1	1	0	1	7	8	4	8	1	10	5	3	2	9	1	10	2	10	4	4	7	5·2
3	2	10	10	6	0	7	7	10	8	1	0	2	1	5	3	6	5	2	10	6	0	6	1	1	10	1	9	8	3	6	4·9
4	3	10	10	5	0	6	6	10	10	1	0	1	5	5	4	7	3	3	10	8	0	6	6	1	9	1	9	7	3	4	5·1
5	1	10	10	4	1	5	8	10	10	6	1	0	6	4	3	6	5	4	10	7	1	5	5	2	10	2	8	7	2	6	5·3
6	4	10	9	5	1	4	9	10	10	9	1	1	5	10	6	5	9	5	10	8	3	2	1	0	9	3	8	9	2	7	5·8
7	4	10	10	6	2	3	8	10	7	8	1	1	3	10	7	4	9	6	9	7	3	7	1	1	9	4	7	8	2	6	5·8
8	4	10	9	6	3	4	5	10	7	8	1	2	2	8	6	4	9	8	7	5	4	4	1	2	8	2	6	7	2	5	5·3
9	4	8	10	3	3	2	8	10	7	9	2	1	2	6	7	4	10	5	8	3	5	9	2	4	2	1	4	3	2	1	4·8
10	5	9	9	2	3	3	8	10	9	9	4	1	4	3	4	4	4	2	8	3	6	9	3	6	4	4	4	3	5	2	5·0
11	4	9	10	3	3	5	10	10	9	9	6	1	4	4	4	3	7	6	5	3	9	9	4	6	6	4	4	3	8	1	5·6
Noon	6	10	9	5	3	5	8	10	9	7	7	3	2	4	7	4	8	3	5	2	7	8	3	8	5	6	2	4	8	1	5·6
13h	7	9	8	8	2	7	7	10	8	7	7	2	2	4	7	6	9	2	5	3	6	6	4	9	7	6	3	5	8	1	5·8
14	6	9	7	9	3	8	8	10	6	6	7	3	2	4	6	6	8	2	6	2	7	6	4	9	8	7	3	7	8	2	6·0
15	8	9	9	9	1	8	5	10	3	6	7	3	4	5	5	9	4	3	7	2	4	2	2	10	8	9	4	8	5	3	5·7
16	9	10	9	9	5	8	8	10	4	6	7	4	3	6	7	10	5	3	6	2	6	3	4	10	10	8	3	9	6	2	6·4
17	9	10	9	8	6	9	6	10	3	4	5	3	3	4	8	9	6	5	7	1	8	2	3	10	8	9	2	9	6	2	6·1
18	9	10	9	7	4	6	8	10	2	5	4	3	5	2	10	2	6	4	8	2	4	2	0	9	7	9	5	7	8	3	5·7
19	10	10	9	5	4	2	8	8	2	4	2	2	5	3	6	2	7	3	7	1	6	1	1	10	7	10	4	6	8	2	5·2
20	10	9	8	4	2	3	8	9	1	3	1	2	5	1	2	1	5	2	5	1	5	2	1	9	7	10	3	6	8	1	4·5
21	10	10	7	3	1	3	8	8	2	1	3	1	6	2	4	2	4	2	5	1	8	0	0	7	2	10	3	10	8	5	4·5
22	9	9	8	1	1	4	9	10	2	4	0	2	4	3	10	2	5	2	3	5	7	3	0	6	5	10	2	9	9	5	5·0
23	10	9	7	2	2	4	10	10	3	1	0	4	5	4	3	3	3	3	4	6	2	4	1	8	4	9	5	7	8	6	4·9

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	June 1915.																														
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	Total.
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	8	0	0	15	4	15	0	0	0	15	15	12	8	0	7	7	0	0	0	0	15	0	3	0	0	13	0	0	5	0	2·4
8	60	10	0	56	60	60	28	0	30	3	60	60	60	7	27	48	28	17	12	35	58	26	51	26	6	60	19	12	58	43	17·0
9	60	50	4	60	60	60	48	0	36	10	60	60	60	5	15	60	35	32	32	60	58	37	52	24	59	60	60	59	60	60	22·3
10	60	40	49	60	60	60	59	1	43	10	60	60	60	47	57	60	55	60	58	60	25	26	60	45	60	59	60	60	57	60	25·5
11	59	26	23	60	60	60	40	1	50	60	60	60	60	40	60	58	52	57	60	60	12	0	60	60	60	60	60	60	59	60	24·9
Noon	60	5	30	60	60	60	46	0	52	59	45	60	60	57	57	59	58	55	60	60	25	10	60	22	60	55	60	60	54	60	24·5
13h	58	12	52	47	60	59	59	0	12	50	46	60	60	60	32	58	58	58	47	60	59	55	58	18	33	60	58	60	60	60	24·5
14	55	12	34	45	60	55	45	0	57	35	57	60	60	58	30	45	46	60	40	60	60	50	60	10	0	60	33	60	43	60	22·5
15	35	35	40	38	60	34	58	0	60	59	50	60	60	44	33	40	58	55	12	60	59	59	60	3	8	31	60	60	0	60	21·5
16	0	18	38	15	60	25	43	0	59	35	50	60	60	60	28	15	59	60	60	60	56	60	60	0	5	0	60	60	4	60	19·5
17	0	0	5	0	60	0	23	0	58	43	7	55	50	56	0	0	57	52	60	60	56	60	60	0	56	0	60	20	30	60	16·5
18	0	0	0	0	8	0	0	0	0	1	0	0	0	0	0	0	0	0	0	10	0	5	12	0	12	0	0	0	0	4	0·9
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 222·0 hours; the corresponding period during which the sun was above the horizon was 327·2 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

June 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	6·5	6·3	5·4	7·6	6·1	11·2	12·1	10·4	6·3	5·6	4·6	3·5	3·2	8·2	13·3	8·2	Midnight
1h	5·4	4·8	4·8	7·5	7·6	12·5	12·7	10·0	6·3	4·4	2·8	4·6	9·6	12·9	13·7	7·1	1h
2	5·2	5·4	4·4	7·3	7·8	8·4	9·2	12·1	6·7	6·5	3·0	5·9	16·9	13·1	10·2	6·1	2
3	7·5	5·0	5·2	8·2	7·8	6·7	12·3	9·4	7·8	6·3	5·6	5·7	14·5	11·9	4·2	9·6	3
4	5·4	4·8	5·2	4·4	6·7	12·1	8·8	10·2	10·2	8·0	6·5	6·7	19·9	8·4	4·6	6·1	4
5	5·7	4·2	4·4	4·2	7·8	9·4	10·8	11·0	6·9	6·3	6·1	5·6	13·3	3·3	9·2	7·5	5
6	4·4	7·8	4·4	3·9	7·5	9·0	12·3	10·0	5·7	5·6	8·0	5·0	10·6	5·0	4·4	9·2	6
7	4·2	5·4	3·5	7·1	10·0	8·4	13·1	8·2	7·5	4·2	7·3	5·0	11·7	6·5	7·3	12·1	7
8	4·6	3·5	4·4	8·2	7·3	10·0	13·1	10·4	6·1	4·0	3·0	3·5	8·6	12·7	7·8	14·7	8
9	9·2	5·7	5·2	12·1	15·1	13·1	16·3	13·3	7·1	3·2	6·1	1·6	9·8	18·1	10·6	13·5	9
10	7·3	7·1	8·4	13·9	15·1	20·3	19·9	15·5	9·8	2·2	10·4	6·1	9·0	16·7	12·3	18·1	10
11	8·2	7·5	10·0	14·9	13·7	18·9	18·1	11·7	10·8	5·4	12·1	10·4	17·7	16·1	10·8	18·1	11
Noon	8·4	7·6	11·2	13·5	13·5	17·3	20·9	14·9	10·6	5·9	9·4	10·4	16·7	15·9	11·0	20·3	Noon
13h	9·8	8·2	9·4	11·4	16·1	16·5	20·3	12·5	9·8	10·4	8·4	12·3	15·1	15·1	15·1	21·1	13h
14	8·4	7·3	11·7	13·3	15·1	21·3	16·1	12·7	10·2	11·0	12·9	17·3	18·1	22·7	13·5	16·9	14
15	9·0	6·3	9·6	14·3	16·1	16·7	23·1	13·1	9·4	9·2	15·1	12·3	15·3	14·7	10·2	21·3	15
16	8·2	5·9	13·7	12·9	15·1	16·7	17·7	11·4	9·0	5·6	14·7	13·1	13·9	10·8	14·1	15·3	16
17	4·8	3·2	9·6	11·2	13·1	14·3	13·3	13·1	8·2	6·1	7·6	11·2	10·2	13·9	12·1	13·9	17
18	3·4	3·5	9·2	10·6	8·0	11·4	15·1	7·1	5·4	2·8	8·0	8·2	6·7	7·3	14·7	11·7	18
19	4·4	4·4	9·0	9·0	7·5	12·3	15·1	6·3	4·2	3·4	3·2	6·1	6·9	7·3	10·6	12·3	19
20	4·4	5·6	9·4	6·9	10·0	15·7	15·3	8·8	3·3	4·4	1·9	3·9	6·3	6·3	10·4	11·9	20
21	5·0	3·0	8·0	6·3	9·6	12·1	14·1	9·6	5·7	4·0	3·0	4·4	7·3	4·4	7·3	10·4	21
22	4·8	5·2	7·5	7·1	11·7	16·1	11·9	8·2	5·6	6·3	4·6	6·1	6·7	5·6	11·7	9·4	22
23	7·3	3·6	8·6	5·9	8·2	14·1	13·1	6·3	6·2	3·0	4·2	9·2	12·9	11·2	10·4	9·0	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23.d	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour
Midnight	8·2	8·4	11·9	14·3	12·3	9·0	8·8	6·9	4·2	7·3	9·0	6·1	3·9	5·2	7·8	Midnight
1h	4·6	8·6	13·9	13·5	9·2	10·0	7·1	6·3	3·3	5·6	8·4	7·5	3·7	9·4	7·9	1h
2	7·8	8·2	10·6	12·1	10·4	6·4	7·1	5·4	3·4	5·2	8·2	4·8	8·2	10·4	7·9	2
3	10·4	10·2	8·0	12·7	9·2	5·1	5·7	8·2	4·0	3·3	8·0	4·0	4·4	6·9	7·6	3
4	10·2	10·8	8·8	17·3	11·2	4·9	4·4	4·4	4·2	3·2	7·1	7·6	5·7	6·5	7·8	4
5	14·5	12·5	5·2	12·1	5·9	5·7	6·9	5·0	3·7	2·6	7·5	7·3	3·9	5·4	7·1	5
6	13·1	15·1	7·1	9·6	6·3	5·4	6·1	7·6	4·6	3·0	6·5	8·0	6·1	10·2	7·4	6
7	14·5	11·9	7·8	13·1	6·3	7·1	7·6	3·2	4·0	4·4	7·1	6·3	6·7	9·4	7·7	7
8	12·9	11·9	14·3	15·9	6·4	6·6	8·8	6·3	4·6	3·2	7·5	3·5	4·0	11·0	8·0	8
9	22·5	18·1	13·9	19·5	19·4	16·5	9·6	5·9	5·6	5·4	8·8	9·4	4·6	13·1	11·1	9
10	17·5	22·1	11·2	26·7	11·4	16·3	14·5	11·5	6·5	8·4	11·9	12·1	7·3	19·3	13·0	10
11	21·1	24·3	11·9	22·1	11·0	11·2	15·7	10·0	7·1	11·0	11·5	12·1	7·3	22·1	13·4	11
Noon	22·9	21·9	22·1	20·3	16·0	18·1	15·3	9·8	9·4	13·1	12·3	14·1	10·8	21·1	14·5	Noon
13h	23·5	28·1	20·9	20·3	21·4	18·1	14·9	16·5	5·0	12·3	11·0	18·1	12·3	21·9	15·2	13h
14	24·3	22·1	20·7	16·3	20·9	18·1	12·3	14·9	7·3	14·9	11·0	10·8	11·2	20·9	15·1	14
15	21·3	23·0	12·1	15·5	17·1	18·1	13·9	14·5	7·3	14·3	13·1	9·6	11·2	20·5	14·3	15
16	19·9	20·[illegible]	16·1	22·3	18·0	17·1	11·5	10·4	9·4	9·0	11·5	10·8	13·5	19·9	13·6	16
17	15·7	19·5	12·9	13·9	13·7	12·1	7·8	9·4	8·2	6·3	8·2	8·4	11·5	14·1	10·9	17
18	14·9	13·5	10·4	8·8	11·4	7·3	6·5	9·4	4·2	5·6	6·3	5·6	9·6	10·4	8·6	18
19	7·3	14·3	9·6	7·6	8·6	7·3	6·3	8·0	4·6	5·2	4·6	5·4	6·5	12·0	7·6	19
20	8·4	9·6	8·8	12·1	9·3	7·5	7·1	7·5	2·8	9·2	3·4	12·1	5·2	8·2	7·9	20
21	6·1	11·7	11·0	12·5	8·3	6·9	6·1	6·3	7·5	11·2	4·4	11·0	4·4	5·8	7·6	21
22	8·8	14·3	8·4	15·5	8·6	6·5	5·9	6·1	6·3	10·4	6·5	8·0	5·0	5·6	8·1	22
23	11·2	14·1	10·6	11·4	9·3	7·9	2·0	3·9	6·1	7·1	7·6	3·5	3·9	6·5	8·0	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(The results are increased by 100 in order to obviate the necessity for signs, and are published to the nearest mile.)

June 1915.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	98	106	96	104	95	103	96	106	98	106	96	110	93	110	96	110	Midnight
1h	98	105	97	103	98	104	97	107	95	105	95	111	93	111	94	108	1h
2	98	105	96	104	98	104	97	107	94	105	97	108	93	106	95	111	2
3	97	107	96	103	96	104	94	106	96	106	96	106	93	110	98	109	3
4	98	105	97	103	96	104	98	104	95	105	95	111	95	107	96	109	4
5	98	105	97	103	97	103	98	104	94	104	96	109	98	111	96	110	5
6	98	104	94	105	97	103	97	102	95	105	95	107	93	110	96	109	6
7	98	104	95	103	99	103	97	107	93	107	95	107	100	113	95	107	7
8	98	104	97	102	96	102	95	107	95	105	96	109	91	109	94	109	8
9	98	109	98	105	98	105	93	110	89	111	95	112	94	115	97	113	9
10	97	107	96	106	94	106	95	113	89	111	92	119	100	120	97	115	10
11	103	108	97	107	96	109	89	110	90	110	89	116	93	117	98	111	11
Noon	105	107	103	107	98	111	92	111	90	109	88	112	96	120	100	115	Noon
13h	104	109	100	108	95	108	92	108	89	111	91	114	96	120	95	111	13h
14	103	108	100	107	98	111	95	112	89	111	88	118	100	116	98	112	14
15	103	108	98	106	96	109	92	112	91	113	94	115	95	123	100	113	15
16	103	108	98	105	90	110	91	109	94	114	94	115	100	118	96	111	16
17	103	104	97	101	96	109	92	108	95	112	92	112	100	113	100	113	17
18	97	101	98	102	95	108	92	107	94	106	94	109	100	115	100	107	18
19	96	98	98	104	94	106	94	106	97	107	93	110	100	115	100	106	19
20	96	98	97	105	93	107	95	105	96	109	91	113	97	115	95	107	20
21	95	102	98	102	94	106	96	104	96	109	91	109	95	113	96	109	21
22	100	105	100	105	96	106	95	105	95	111	91	113	100	112	98	108	22
23	96	106	99	105	95	107	97	105	95	107	97	114	100	113	98	106	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	98	106	97	105	95	101	98	103	97	100	92	98	88	105	98	108	Midnight
1h	98	106	97	103	98	102	97	104	90	100	88	95	87	105	93	97	1h
2	96	106	96	105	98	102	97	105	83	97	87	100	91	104	96	104	2
3	97	107	96	105	94	101	96	104	86	97	89	105	98	103	93	107	3
4	96	109	94	106	94	102	95	105	85	96	93	105	97	103	100	106	4
5	96	106	95	103	94	101	96	104	88	95	99	97	91	102	95	105	5
6	97	105	96	104	96	107	96	103	89	100	95	100	96	100	93	106	6
7	97	107	97	103	95	105	96	103	88	98	94	99	93	100	91	109	7
8	99	106	97	103	97	101	98	102	92	102	87	102	93	103	88	108	8
9	100	107	97	102	96	104	98	100	91	104	82	100	90	102	95	112	9
10	100	110	98	100	94	109	97	95	91	98	84	103	88	102	93	117	10
11	100	111	103	95	91	109	100	90	85	90	85	106	91	106	87	113	11
Noon	100	111	100	94	93	107	100	90	88	88	84	103	92	108	81	108	Noon
13h	102	110	110	104	95	107	95	89	89	89	85	100	87	108	80	108	13h
14	100	110	110	104	95	112	93	84	87	87	77	100	89	107	88	112	14
15	100	109	108	96	89	111	95	89	91	87	85	100	93	107	88	118	15
16	103	108	105	98	90	110	95	88	90	90	89	102	90	110	91	113	16
17	103	108	106	99	95	105	96	90	91	96	87	105	90	107	90	110	17
18	100	105	99	103	97	107	95	93	93	100	93	102	88	108	93	110	18
19	97	103	98	102	98	102	96	96	94	103	93	97	92	107	98	112	19
20	98	102	97	103	99	99	97	97	94	102	94	101	93	107	90	107	20
21	96	104	97	102	103	99	98	104	93	103	96	102	94	104	94	109	21
22	96	104	96	104	95	100	96	104	93	101	94	100	95	111	100	109	22
23	96	104	99	103	96	100	91	100	88	105	89	102	96	110	94	106	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

June 1915.

Hour. \ Day.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d. N.	20d. E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.	Hour. \ Day.
Midnight	97	108	95	107	98	112	92	112	95	111	100	109	97	108	95	105	Midnight
1h	97	103	97	108	100	114	95	112	100	109	100	110	99	107	96	104	1h
2	96	106	98	108	92	107	95	111	96	110	100	106	97	107	98	105	2
3	93	107	96	109	93	104	95	112	96	108	100	105	99	106	94	106	3
4	93	107	96	110	91	102	100	117	98	111	99	105	98	104	98	104	4
5	90	110	95	111	96	103	100	112	98	105	99	106	97	106	97	104	5
6	91	109	94	114	95	105	96	109	98	106	99	105	97	105	93	107	6
7	90	110	95	111	97	107	93	111	100	106	99	107	98	107	98	102	7
8	95	112	98	112	90	110	91	113	102	106	100	107	97	108	98	106	8
9	104	122	100	118	95	113	92	118	107	118	106	115	95	108	96	104	9
10	100	117	96	122	96	110	95	126	104	111	94	115	100	114	100	111	10
11	88	118	86	120	95	111	92	120	102	111	104	110	100	116	106	108	11
Noon	91	121	88	118	96	122	89	117	103	116	107	117	100	115	109	104	Noon
13h	105	123	94	128	88	117	86	114	108	120	103	118	103	115	115	106	13h
14	100	124	92	120	100	121	91	113	104	120	107	117	93	110	112	108	14
15	100	121	83	117	98	112	91	113	106	116	107	117	103	114	113	106	15
16	100	120	86	114	100	116	91	121	107	117	100	117	96	111	107	107	16
17	94	114	89	116	95	112	92	111	103	113	102	112	97	107	108	105	17
18	97	115	100	113	96	110	94	106	100	111	100	107	97	106	104	109	18
19	97	107	97	114	96	109	94	104	100	109	100	107	98	106	103	107	19
20	97	108	96	109	94	106	91	109	100	109	98	107	96	106	103	107	20
21	98	106	95	111	98	111	95	111	100	108	100	107	99	106	101	106	21
22	98	109	100	114	94	106	100	115	97	108	98	106	98	105	99	106	22
23	100	111	95	113	94	109	96	111	102	109	98	107	99	101	98	104	23

Hour. \ Day.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	Mean. N.	Mean. E.	Hour. \ Day.
Midnight	98	104	97	107	94	106	95	103	97	103	96	104	95·9	106·0	Midnight
1h	99	103	98	105	94	106	94	104	97	102	95	108	95·9	105·4	1h
2	99	103	100	105	93	105	96	103	94	106	96	110	95·4	105·5	2
3	100	104	99	103	94	106	97	103	98	104	95	105	95·5	105·4	3
4	98	104	99	103	95	105	93	103	96	104	96	105	95·6	105·5	4
5	101	103	100	103	95	105	94	104	97	103	98	105	96·2	104·7	5
6	100	105	97	102	95	103	93	103	94	102	96	109	95·5	105·1	6
7	101	104	98	104	95	105	96	104	95	105	93	107	95·7	105·5	7
8	99	104	100	103	94	104	97	102	96	101	96	110	95·5	105·7	8
9	100	106	98	105	95	107	92	105	97	103	95	112	96·1	108·8	9
10	100	106	98	108	92	108	90	107	100	107	96	119	95·5	110·4	10
11	100	107	98	111	96	111	91	109	100	93	92	120	94·9	109·1	11
Noon	100	109	100	113	95	111	97	114	98	111	92	119	95·8	110·3	Noon
13h	100	105	93	110	94	109	90	115	95	111	92	120	95·7	110·5	13h
14	104	94	97	115	96	110	98	111	98	111	92	119	96·5	110·1	14
15	96	94	94	113	95	112	96	109	94	109	86	114	96·0	109·4	15
16	95	108	98	109	96	111	96	110	90	109	89	116	95·7	109·8	16
17	97	108	98	106	97	108	97	108	92	108	97	114	96·4	107·8	17
18	96	102	101	105	96	105	96	104	92	105	94	109	96·4	106·3	18
19	99	104	95	102	97	103	96	104	96	105	95	111	96·7	105·5	19
20	99	103	93	106	97	100	91	109	96	104	98	108	95·7	105·6	20
21	100	107	92	108	96	100	89	102	98	104	97	105	96·3	105·8	21
22	100	106	93	107	93	100	96	107	98	105	98	105	96·7	106·6	22
23	100	106	95	105	94	104	97	102	97	103	97	106	96·3	106·1	23

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of JUNE 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour. Mauritius Standard Time.	1d.	2d.	3d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	24d.	25d.	26d.	27d.	28d.	29d.	Hour. Mauritius Standard Time.
	points.	points.	points.	points.	points.	points.	points.	points.	points.	points	points.	points.	points.	points.	points.	points	points.	
Midnight	6	4	3	6	5	1	5	0	31**	2	7	4	6	6	4	3	4	Midnight
1h	6	4	6	6	4	4	5	0	30	2	30**	4	6	6	4	3	3	1h
2	6	4	5	5	5	4	5	31**	0*	2	4*	6	6	8	3	3	4	2
3	6	4	4	6	5	1	4	31	2	5	4	4	8	6	4	4	5	3
4	6	4	4	6	4	2	4	31	3	4	8	5	6	6	4	2	4	4
5	6	4	4	5	3	1	4	30	26**	1	4	5	10	8	4	3	4	5
6	6	4	4	5	4	5	4	0*	0*	0	4	7	8	3	3	2	2	6
7	6	3	7	6	4	4	4	31**	31**	0	4	4	10	6	4	4	4	7
8	6	3	2	7	4	1	4	1*	1*	2	3	6	-	8	3	3	1	8
9	7	6	6	8	3	4	31**	2	0	1	6	4	8	6	5	3	4	9
10	6	5	4	8	0	5	27	31	1	1	6	8	8	7	4	3	8	10
11	10	6	6	8	21*	4	24	29	2	3	4	11	8	7	6	4	24**	11
Noon	11	10	7	8	24	4	24	28	1	4	2	14	8	8	6	7	7*	Noon
13h	10	8	5	9	14	5§	26	28	0	3	2	14	8	5	5	5	6	13h
14	10	8	7	8	14	6	26	28	0	3	4	13	21*	7	6	7	7	14
15	10	6	6	8	18	4	26	27	0	4	5	14	27	6	6	6	5	15
16	10	6	4	10	18	4	26	28	1	4	5	12	5*	7	6	6	4	16
17	11	1	6	10	17	4	26	30	2	3	4	13	6	6	6	6	4	17
18	1	4	5	8	7**	6	27	0*	1	3	5	10	2	9	5	4	3	18
19	30**	6	4	4	4	4	28	2	30**	4	7	10	7	2	4	4	5	19
20	29	5	4	4	4	28**	28	2	1*	4	3	10	6	4	0	4	4	20
21	2*	4	4	4	3	18	6*	2	2	3	5	9	8	4	0	1	5	21
22	8	8	5	4	4	0	4	1	0	6	8	7	8	4	0	5	6	22
23	5	7	5	4	6	0	0	2	1	6	4	6	8	4	3	3	4	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of JUNE 1915.

Day of the Month.	9ins.								6ins.								3ins.							
	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1d	77·1	76·6	75·9	75·5	75·3	75·6	77·0	77·4	76·3	75·5	74·4	74·0	74·4	76·4	78·2	78·1	74·8	72·9	70·8	71·4	78·6	83·5	80·7	78·5
2	77·2	77·2	76·8	76·3	76·0	76·2	76·5	77·1	77·3	76·5	75·7	75·1	75·4	76·3	77·4	77·3	74·3	74·6	73·1	73·0	77·6	79·5	79·6	76·8
3	77·0	76·6	76·1	75·9	75·4	75·8	76·4	77·1	76·1	75·7	74·8	74·4	74·5	76·0	77·4	77·3	74·1	72·6	71·6	71·6	76·3	80·9	79·8	77·0
4	77·1	76·5	76·1	75·8	75·3	75·8	76·5	77·4	76·4	75·6	74·7	74·2	74·3	76·6	77·9	77·9	74·7	72·8	71·3	71·2	77·6	83·3	81·9	78·3
5	77·2	76·8	76·4	75·9	75·4	76·0	76·9	77 8	77·1	76·7	74·8	74·2	74·4	76·3	78·2	78·2	75·2	75·6	71·1	71·5	77·5	84·0	82·6	78·3
6	77·8	77·1	76·6	76·1	75·7	75·9	76·6	77·1	77·1	76·1	75·3	74·7	74·5	76·0	77·3	77·1	74·8	73·8	72·2	71·9	76·0	81·5	79·8	76·4
7	77·1	76·7	76·1	75·9	75·6	76·0	76·9	77·3	76·4	75·5	74·8	74·5	74·8	76·2	77·5	77·4	74·8	73·5	72·6	73·1	77·5	80·8	80·2	77·6
8	77·2	77·0	76·4	76·3	76·0	76·1	76·3	76·4	76·8	76·1	75·6	75·2	75·1	75·9	76·2	76·1	75·7	74·6	73·8	73·8	76·0	77·1	76·8	75·0
9	76·3	75·7	75·6	75·2	75·1	75·7	76·5	77·1	75·4	74·9	74·4	74·1	74·6	76·3	77·8	77·8	73·6	72·5	72·0	72·5	78·5	82·5	81·5	77·9
10	77·2	76·7	76·1	75·7	75·3	75·4	76·3	77·0	76·9	75·6	74·6	74·0	74·1	75·7	77·5	77·6	74·9	72·5	75·6	71·3	76·5	81·3	81·6	78·2
11	77·3	76·7	76·0	75·5	75·3	75·5	76·3	77·1	76·9	75·6	74·5	74·0	74·3	75·6	77·3	77·4	75·2	72·7	70·5	71·9	77·7	81·7	81·9	77·7
12	77·1	76·4	75·8	75·3	75·0	75·6	76·5	77·4	76·5	75·2	73·9	73·4	73·8	76·3	78·0	78·0	74·3	72·6	69·4	70·3	77·7	85·0	83·0	78·2
13	77·4	76·8	76·4	76·0	75·2	75·8	76·7	77·3	76·6	75·5	74·9	73·8	74·1	76·2	78·1	77·8	74·5	72·4	71·2	75·7	78·4	84·7	82·1	78·1
14	77·3	76·6	76·0	75·1	74·7	74·7	75·6	76·0	76·1	74·9	74·1	73·0	72·9	74·5	76·1	75·5	73·3	71·4	69·7	69·5	74·2	80·7	78·6	74·0
15	76·0	75·1	74·3	73·6	73·5	73·9	74·8	75·4	74·4	73·2	72·1	71·7	71·9	73·9	75·1	75·2	70·8	69·5	68·0	68·1	75·4	79·5	78·4	74·8
16	75·3	74·9	74·4	73·9	73·5	73·8	74·5	75·0	74·2	73·4	72·7	72·0	72·0	73·7	75·0	74·7	72·3	70·5	69·0	69·2	74·7	79·4	77·1	73·9
17	75·1	74·8	73·8	73·5	73·2	73·2	73·8	74·1	74·0	72·8	72·1	71·8	71·9	73·0	74·0	73·9	71·9	69·8	68·9	69·0	73·7	76·9	76·0	73·1
18	74·3	73·7	73·2	72·9	72·6	72·7	73·3	74·1	72·6	72·1	71·4	71·0	71·3	72·5	73·9	74·0	69·4	68·9	68·0	68·5	74·3	78·2	77·5	73·9
19	74·1	73·8	73·1	73·0	72·9	73·2	74·1	74·3	73·2	72·3	71·5	71·5	71·7	73·6	74·2	73·9	70·1	70·1	69·0	69·4	74·2	77·5	76·0	72·8
20	74·3	73·6	73·1	73·0	72·5	72·6	73 7	74·2	72·9	72·1	71·4	71·1	71·0	72·5	74·3	74·0	71·4	69·2	68·1	68·7	72·8	78·7	76·2	73·2
21	74·2	73·4	73·1	72·3	71·9	72·0	72·4	72·9	73·1	71·9	71·0	70·2	70·1	71·4	72·5	72·8	70·2	68·3	66·9	66·6	70·4	75·2	75·1	72·2
22	73·0	72·8	72·2	71·9	71·5	71·5	71·8	72·2	72·0	71·3	70·5	70·0	70·1	70·7	71·7	71·7	69·9	68·3	67·0	67·1	69·8	73·1	73·4	70·3
23	72·4	71·7	71·1	70·9	70·5	70·7	71·8	72·4	70·9	69·8	69·1	68·6	68·5	70·1	72·2	72·2	67·9	66·2	65·1	64·6	69·8	71·2	75·6	72·0
24	72·6	71·9	71·2	71·0	70·3	70·9	71·5	72·1	71·3	70·1	69·0	68·3	68·6	70·6	71·7	72·0	68·7	66·1	64·5	64·6	71·8	75·9	75·0	72·4
25	72·6	72·2	72·1	71·9	71·6	73·1	73·0	73·4	71·5	71·1	70·9	70·4	70·9	73·0	73·8	73·7	70·4	70·0	68·6	68·7	76·1	78·1	76·9	73·9
26	73·8	73·0	72·1	71·7	71·3	71·5	72·6	73·3	73·0	71·5	70·3	69·6	70·1	71·9	73·4	73·5	70·4	67·7	65·4	66·2	73·9	79·1	76·4	74·1
27	73·3	73·1	72·7	72·3	72·1	72·6	73·5	74·1	72·1	72·0	71·2	70·9	71·1	73·0	74·2	74·1	70·3	69·9	68·9	68·9	75·1	79·2	78·1	73·7
28	74·1	73·2	72·5	71·7	71·3	71·5	72·6	73·6	72·8	71·3	70·3	69·4	69·5	71·4	73·4	73·6	69·3	66·9	65·4	65·6	72·4	78·4	78·0	74·0
29	73·6	73·3	72·7	72·1	71·7	72·1	73·1	73·9	72·7	72·5	70·9	70·1	70·4	72·4	73·8	73·7	71·4	69·2	67·1	66·9	74·9	79·5	76·6	74·0
30	74·0	73·6	73·0	72·6	72·3	72·5	73·8	74·4	72·1	72·5	71·5	71·0	71·0	72·6	74·5	74·2	72·0	70·3	68·5	68·4	74·1	79·5	77·6	73·7
Mean	75·47	74·96	74·40	73·99	73·62	73·96	74·74	75·33	74·52	73·67	72·76	72·22	72·40	74·04	75·44	75·38	72·31	70·85	69·47	69·64	75·12	79·53	78·47	75·13

* Direct. ** Retrograde § A complete revolution retrograde between 12.30 and 12.45.

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of JUNE 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.			River System No. 4.			River System No. 5.			
	Grand Gaube.	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte.*	Riche Fund.	Constance d'Arifat.	St. Julien. P.O.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
June 1d	Register not received.	...	0·10	...	...	0·01	...	...	0·12	0·22	...	...	...	0·16	...	0·10
2		...	...	0·12	0·13	0·01	0·04	...	0·16	...	...	...	0·04	0·25	0·50	...
3		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4		...	...	...	...	0·02	...	...	...	...	...	...	...	0·10	...	...
5		...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·08
6		...	...	...	0·07	0·04	...	...	0·02	...	...	...	0·21	0·22	...	...
7		...	...	0·02	...	...	...	...	0·13	0·92	...	...	0·08	...	0·16	0·02
8		0·04	0·08	0·07	0·03	0·33	0·06	...	0·09	0·08	...	...	0·54	0·25	0·38	...
9		...	...	0·08	0·07	...	0·06	...	0·08	...	0·23	0·14	0·07	0·16	...	0·12
10		...	...	0·04	0·10	0·09	0·08	...	0·08	...	0·17	...	0·23	...	...	...
11		...	...	0·02	0·02	...	...	...	0·01	0·38	...	...	0·08	...	...	...
12		...	...	...	...	...	...	...	...	...	0·15	0·37	0·17	...	0·07	...
13		...	...	...	...	...	...	...	...	...	...	...	0·17	...	...	...
14		...	...	...	...	...	...	...	...	0·08	...	...	0·02	...	...	...
15		...	...	...	...	...	...	...	0·02	1·00	...	0·12	0·08	0·33	...	0·05
16		0·11	0·16	0·13	...	0·16	0·22	...	0·54	0·55	0·77	0·50	1·02	0·25	0·46	0·57
17		0·13	0·05	0·19	0·09	0·20	0·16	...	0·30	0·12	0·52	0·26	0·58	0·39	0·07	...
18		...	0·43	0·05	0·10	0·07	0·12	...	0·38	1·43	0·05	0·10	0·23	...	0·17	...
19		0·26	0·18	0·56	0·26	0·96	0·60	...	0·62	1·03	0·63	...	0·76	0·31	0·40	0·31
20		0·30	0·01	0·17	0·12	0·21	0·28	...	0·17	...	0·43	...	1·10	0·60	0·13	...
21		...	0·01	...	0·12	...	...	...	...	0·06	...	0·11	0·05	...	0·11	...
22		...	...	0·03	0·03	0·06	...	...	...	...	0·04	...	...	0·15	...	...
23		...	...	...	0·03	0·02	...	...	...	...	...	...	...	...	...	...
24		...	0·04	...	...	...	...	...	...	...	...	...	...	0·10	0·15	...
25		0·02	...	...	...	0·06	...	...	0·10	0·26	...	...	...	...	...	...
26		...	0·10	...	0·03	0·46	0·17	...	0·17	0·54	...	...	...	...	...	...
27		...	...	0·14	...	0·07	0·48	...	1·34	...	...	...	0·23	...	...	...
28		0·06	...	...	...	...	0·04	...	0·03	0·04	0·08	...	...	...	0·28	0·37
29		...	...	...	...	...	...	...	0·04	0·78	0·55	0·44	0·25	0·32	0·97	0·36
30		0·04	0·02	...	...	0·14	0·14	...	0·26	0·05	...	0·15	0·87	1·02	0·57	...
Total ...	...	0·96	1·18	1·62	1·20	2·91	2·45	...	4·36	7·54	3·62	2·19	6·78	4·61	4·42	1·98

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of JUNE 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarraque.	Beau Bois.	Bel Ombre.	Chamarel.	Clarens.	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
June 1d	...	...	0·02	...	...	...	...	...	...	...	...	...	0·01	0·21	...	...
2	...	...	...	...	...	...	0·17	...	...	0.40	1·50	1·00	1·56	...	0·80	...
3	...	...	0·04	...	...	...	...	...	...	...	...	...	...	...	0·05	...
4	0·02	0·08	0·10	0·08	0·09	...	0·30	...	...	...	0·04	...	0·01	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	0·01	...	...	...
6	0·03	0·12	0·30	...	0·18	...	0·21	...	...	0·25	0·30	0·10	...	0·08	0·40	...
7	0·04	0·11	0·08	...	0·07	...	...	...	...	...	0·24	...	0·02	0·30	0·04	...
8	0·20	0·43	0·80	0·20	0·50	...	0·12	...	...	0·18	0·87	...	0·01	...	0·04	...
9	0·03	0·26	0·08	...	0·08	...	...	...	...	...	0·04	...	0·01	0·10	...	...
10	0·05	0·09	0·14	...	0·06	...	0·10	...	...	0·05	0·11	...	0·04	...	0·05	...
11	...	0·04	0·75	...	0·02	0·88	0·35	...	...	...	0·06	...	0·01	0·36	...	...
12	0·02	1·18	0·30	0.19	0·07	0·13	0·35	...	...	0·27	0·51	0·13	0·22	...	0·40	...
13	...	...	0·60	...	...	...	...	...	...	0·02	...	...	...	...	0·02	...
14	...	0·05	0·08	...	...	...	...	...	0·14	...	0·15	...	0·01	0·04	...	...
15	0·04	0·11	0·13	...	0·07	...	0·05	...	...	...	0·08	...	0·01	0·21	...	...
16	0.21	0·59	0·90	0·21	0·20	0·18	0·45	...	...	0·27	0·69	...	0·06	0·44	0·36	...
17	0·54	0·67	0·80	0·55	0·65	0·35	0·84	0·07	...	0·51	0·87	0·18	0·11	0·11	0·80	...
18	...	0·21	0·15	0·13	0·12	...	0·03	...	...	0·17	0·22	...	0·03	0·70	0·40	...
19	0·15	0·76	2·30	...	0·41	0·11	...	...	...	0·12	0·98	0·19	0·22	1·26	0·80	...
20	0·09	0·27	0·40	0·29	0·12	...	0·21	...	...	0·25	0·94	0·40	...	0·06	0·60	...
21	0·04	0·03	0·15	...	0·04	0·08	...	...	...	0·02	0·14	...	...	0·15	0·38	...
22	0·05	0·06	0·30	...	0·08	...	0·09	...	...	0·35	0·31	0.60	0·03	0·05	0·05	...
23	0·04	0·13	...	...	0·09	...	...	...	...	...	0·04	...	...	...	0·30	...
24	...	...	0·04	...	...	...	...	...	...	...	...	...	0·03	...	0·04	...
25	...	...	0·05	...	...	...	...	...	...	...	...	...	0·01	0·37	...	...
26	...	0·10	0.10	...	0·09	...	0·05	...	...	...	0·08	...	0·28	1·23	...	...
27	0·16	0·45	0·54	...	0.17	0·37	0·60	...	...	0·20	1·50	...	...	0·50	0·36	...
28	0·13	0·05	0·05	...	0·14	...	0·14	...	...	0·02	0·21	...	0·01	...	...	...
29	0·41	0·05	0·22	0·68	0·20	0·40	...	...	...	...	0·06	...	0·03	0·22	0·05	...
30	1·03	1·52	1·20	0·37	1·50	0·70	0·39	...	...	0·24	0·60	...	0·03	0·02	0·04	...
Total ...	3·28	7·36	10·62	2·70	4·95	3·20	4·45	0·07	0·14	3·32	10·54	2·60	2·76	6·41	5·98	...

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.

JUNE 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending \ Day.	1d.	2d.	6d.	8d.	9d.	16d.	17d.	18d.	19d.	20d.	21d.	22d.	25d.	26d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	...	...	...	...	...	...	·010	...	...	...	...
2	...	...	·030	...	...	...	...	...	·075	·015	...	...	...	...
3	...	...	...	...	...	...	...	...	·025	...	...	...	...	...
4	...	...	·010	...	...	...	...	...	·040	·080	...	...	...	...
5	...	...	...	...	...	...	...	...	·060	...	...	...	...	...
6	...	·005	...	...	...	...	·015	·005	·040	·005	...	...	...	...
7	...	...	...	...	·010	...	·010	...	·035	·015	...	...	...	...
8	...	...	...	...	...	...	...	·020	·005	...	...	·050	...	·005
9	...	...	...	...	...	...	...	·005	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	·045	...	...	...
11	...	...	...	...	...	...	...	...	...	...	·030	...	...	...
Noon	...	...	...	·040	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	·005	...	...	...	...	·005	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	·030	...
17	...	...	...	...	...	...	...	...	...	...	...	...	·095	...
18	...	...	...	...	...	...	...	...	...	...	...	...	·005	...
19	·045	...	...	...	...	·010	·005	...	...	...	...	...	...	...
20	...	...	...	...	...	·010	...	...	...	...	...	...	...	...
21	·025	...	...	...	...	...	...	...	...	...	...	...	...	...
22	·020	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	·025	...	...	...	...	...	...	...	...
Midnight	·005	...	...	...	...	·025	...	...	...	...	...	...	...	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	17d.	18d.	19d.	20d.	21d.	22d.	25d.	26d.	27d.	28d.	29d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	·01	...	...	·03	...	...	...	...	...	...	·05	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	·01	...	...	...	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	·01	...	·12	...	...	...	...	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	·01	...	...	...	...	...	·01	...	·03	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	·09	·02	·02	·01	...	...	...	...	...	...	·03	...	.02	...	...	·01	·02	...	...	...	...
6	...	...	...	...	·01	...	·01	...	...	...	...	...	·01	...	·08	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	·01	...	...	...	...	...	...	...	·01	...	·04	·01	...	·01	·01	...	...	...	·01	·01	·01
8	...	·01	...	...	·03	...	...	...	...	...	...	...	·01	...	·02	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	·01	...	...	...	·04	...	...	...	...	·02	·03	...	...	...	...	·01	...	...	...	...	...
10	...	...	...	...	·02	...	...	...	·25	...	...	...	...	·01	·02	...	...	...	...	...	...	·01	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	·01	·01	·01	...	·01	.01	...	...	...	...	...	...
Noon	...	...	...	...	·24	...	...	...	·04	...	...	...	...	...	·01	...	...	...	...	...	...	...	...	...	...
13h	·03	...	...	...	·02	...	...	...	...	...	...	...	...	·01	·01	...	...	...	...	...	...	...	·01	...	·02
14	·03	...	...	...	·01	...	...	...	...	...	...	...	...	...	·01	·01	...	...	...	...	...	...	...	...	...
15	·01	...	...	...	...	...	...	...	·02	...	...	...	...	·07	...	...	...	...	...	...	...	...	...	·01	...
16	...	...	...	...	·03	...	...	...	...	...	...	...	...	·06	...	...	...	...	·01	...	...	·01	...	...	...
17	...	...	...	...	...	...	...	...	...	·01	...	...	·02	·12	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	·01	...	...	...	...	·04	...	...	...	...	...	...	...	·02	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·01	...	...	...	...	...	...	...
20	...	...	·07	·01	...	...	...	...	...	...	...	...	...	...	...	·02	...	...	·01	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	·12	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	·02	...	...	...	...	...	...	...	...	·01	...	...	...	...
23	...	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Midnight	...	...	...	...	...	...	...	...	...	...	...	...	·05	...	...	...	·01	·01	...	...	...	...	...	...	...

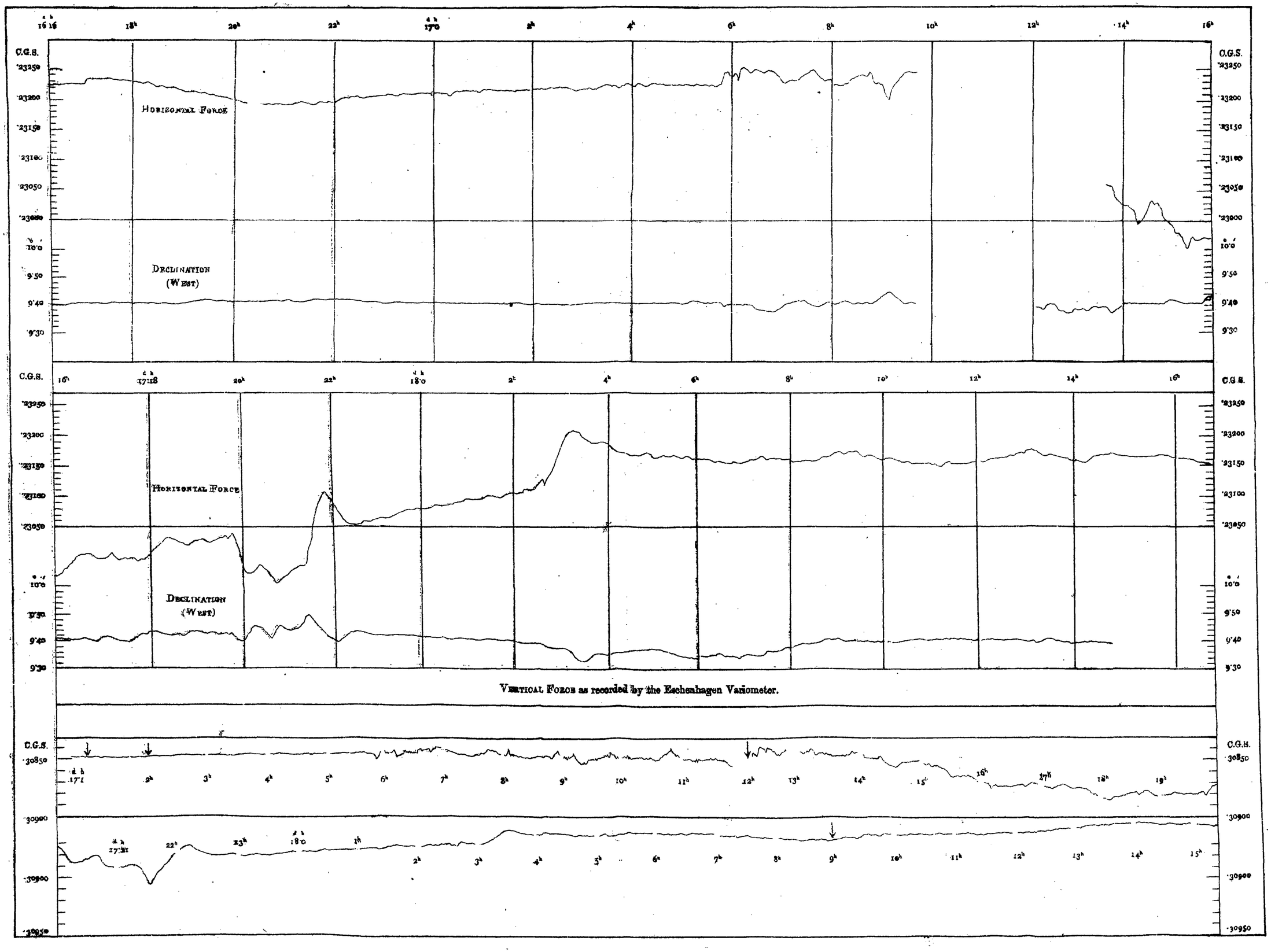
TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of JUNE, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	1·39	2·12	9
	2	Union §	200	...	...	...
	3	St. Antoine ...	50	0·96	2·63	8
	4	Bel Mont	50	0·86	3·51	9
	5	Poudre d'Or ...	20	1·47	3·12	13
	6	Poudre d'Or Hospital	10	0·45	4·27	3
	7	Mon Loisir (R) ...	300	1·43	3·07	8
	8	Mon Loisir (S.E.) ...	300	1·79	5·17	11
	9	Forbach	300	1·71	4·15	12
	10	Labourdonnais ...	290	1·18	3·31	11
	11	Beau Séjour ...	300	1·62	4·56	13
	12	Mont Piton ...	860	3·51	6·47	16
	13	Mon Choix... ...	700	2·69	6·09	9
	14	Antoinette	640	2·54	4·55	12
	15	California	850	1·15	4·65	7
	16	Nouvelle Découverte	1,400	2·91	6·17	17
	17	Mon Songe... ...	620	2·45	4·92	14
	18	La Grande Rosalie ...	643	2·45	4·31	7
	19	The Mount § ...	325	...	...	...
	20	Botanical Gardens...	225	1·20	3·26	14
	21	Beau Plan ...	195	0·92	2·74	8
	22	The Observatory ...	179	0·99	2·58	14
	23	Solitude	175	0·51	2·23	4
	24	St. André	90	1·15	1·45	2
	25	Belle Vue Harel ...	350	1·10	5·14	7
	26	Mont Choisy ...	10	0·68	2·33	6
	27	Belle Vue Pilot* ...	...	1·14	...	9
2&3	1	Union (Régnard) ...	600	2·86	5·14	16
	2	La Grande Retraite..	350	2·26	5·60	12
	3	Constance d'Arifat...	100	1·78	4·85	11
	4	St. Julien P.O. ...	1,050	4·36	7·40	20
	5	Rich Fund * ...	600	2·45	...	13
4	1	Sans Souci	900	7·54	10·51	16
	2	Etoile	400	3·62	7·79	11
	3	Beau Champ ...	20	2·19	4·32	9
	4	Belle Rive * ...	400	4·11	...	14
	5	Olivia *	400	2·60	...	12
	6	Deep River* ...	350	3·43	...	11
5	1	Rose Belle* ...	850	6·78	...	20
	2	Cent Gaulettes ...	500	6·20	9·26	16
	3	St. Hubert § ...	400	...	...	...
	4	Riche-en-Eau ...	460	4·61	6·93	15
	5	Ferney	20	4·42	6·66	14
	6	Beau Vallon (R) ...	60	1·98	4·34	9
5 (cont.)	7	Union Vale	200	3·41	5·77	9
	8	Mon Désert (Carié).*	75	2·48	...	16
	9	Riche Bois	1,420	4·36	8·21	30
	10	Cluny	1,000	7·71	11·11	12
6	1	Kanaka	2,000	15·47	12·77	23
	2	Tivoli ...	1,300	9·74	10·54	23
	3	La Flora*	1,050	10·62	...	27
	4	Britannia (No. 1)...	730	7·36	8·98	23
	4 a	Britannia (No. 2)†*	600	3·10	...	25
	5	Gros Bois	500	3·88	7·24	21
	6	Savannah (Residence)	200	2·55	9·65	11
	7	Savannah, (Mill) ...	200	2·78	6·97	12
	8	St. Aubin	300	3·28	5·40	19
	9	Union Bel Air ...	90	5·06	5·43	17
	10	Beau Bois	350	4·95	8·57	22
	11	Labarracq * ...	250	2·70	...	9
	12	St. Avold * ...	900	9·06	...	17
	13	Terracine *... ...	100	1·78	4·19	12
7,8&9	1	Bel Ombre * ...	50	3·20	...	9
	2	Chamarel ...	400	4·45	5·73	17
10		No returns ...				
11	1	Les Gorges... ...	...	3·62	3·67	18
	3	Curepipe Gardens ...	1,840	6·15	7·82	26
	4	Mare-aux-Vacoas ...	1,850	10·54	10·94	24
	5	La Marie Filter Bed §	1,700	...	...	...
	6	Réunion	1,420	3·32	5·41	16
	7	Tamarin *	150	0·14	...	1
	8	Clarens *	150	0·07	...	1
12	1	The Manse ...	850	3·00	2·37	13
	2	The Bower	1,080	4·26	3·46	15
	3	Le Réduit (D.of A.)	1,000	2·76	3·07	23
	4	Alma	1,460	6·41	2·15	19
	5	Minissy	1,150	3·43	4·50	10
	6	Bagatelle ...	1,250	4·34	6·28	16
	7	Highlands	1,300	5·66	6·71	20
	8	Trianon	950	3·12	3·01	11
	9	Salency	923	2·60	2·92	7
	10	Military Camp (V.)..	1,370	5·98	4·89	20
	11	La Ferme § ...	350	...	...	...
	12	Bon Air	1,050	4·19	3·31	8
	13	Val Ory	1,100	4·98	3·63	19
13	1	Salines (Roche Bois) §	10	...	...	...
	2	The Albion Dock ...	18	1·57	1·74	4
	3	Line Barracks ...	10	1·85	2·64	9

* Normals not available § Record not received † Bon Acceuil.

MAGNETIC DISTURBANCE RECORDED AT THE ROYAL ALFRED OBSERVATORY, MAURITIUS

JUNE 17-18 1915.



NEW SERIES (MONTHLY). VOL. I. PART 7. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20° 5′ 39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JULY, 1915

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS

1915.

NEW SERIES (MONTHLY). VOL. I. PART 7. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20° 5′ 39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JULY, 1915.

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1915.

Month and Day. 1915.	Barometric Pressure. Mean	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
July 1	30·014	+·024	74·6	61·7	12·9	67·5	−0·5	63·5	60·3	+ 0·2	78	+ 2	·522	54·1	0·050	20	·120	5·2
2	29·993	+·002	70·9	65·5	5·4	67·7	−0·2	65·3	63·3	+ 3·3	86	+10	·581	57·6	0·115	54	·045	7·7
3	29·961	−·031	75·5	64·0	11·5	68·9	+1·0	64·1	60·3	+ 0·3	74	− 2	·522	57·2	0·000	...	·150	4·2
4	29·942	−·051	75·3	60·0	15·3	67·8	−0·1	64·0	60·9	+ 0·9	79	+ 3	·532	53·1	0·050	15	·170	4·3
5	29·933	−·061	76·6	67·0	9·6	71·3	+3·5	67·8	65·1	+ 5·2	81	+ 5	·618	56·5	0·230	145	·170	7·9
6	29·957	−·038	77·3	66·7	10·6	70·9	+3·1	68·2	66·1	+ 6·2	85	+ 9	·640	62·4	0·310	70	·130	6·5
7	29·964	−·032	77·6	64·3	13·3	70·4	+2·6	66·7	64·0	+ 4·1	80	+ 4	·595	57·2	0·000	...	·150	3·6
8	29·969	−·028	77·2	62·4	14·8	68·2	+0·5	65·3	63·0	+ 3·2	83	+ 7	·575	56·5	0·000	...	·100	5·0
9	29·986	−·011	76·8	61·4	15·4	68·0	+0·3	63·6	60·1	+ 0·3	76	0	·519	54·7	0·000	...	·140	2·1
10	30·008	+·010	74·3	61·7	12·6	68·4	+0·7	63·0	58·6	− 1·2	71	− 5	·492	54·5	0·000	...	·130	3·1
11	30·048	+·050	74·2	62·9	11·3	68·0	+0·3	63·7	60·3	+ 0·5	76	0	·522	55·2	0·025	40	·115	3·8
12	30·015	+·016	74·6	62·8	11·8	68·7	+1·0	63·8	59·9	+ 0·1	74	− 2	·515	57·9	0·000	...	·130	4·4
13	29·997	−·002	75·6	65·6	10·0	69·8	+2·2	66·5	63·8	+ 4·1	82	+ 6	·591	60·1	0·160	45	·180	6·0
14	29·984	−·016	74·6	65·1	9·5	69·2	+1·6	65·2	62·1	+ 2·4	78	+ 2	·557	60·4	0·140	80	·190	4·3
15	29·972	−·029	76·6	62·3	14·3	69·3	+1·7	65·0	61·7	+ 2·0	77	+ 1	·549	54·9	0·190	35	·210	2·5
16	29·961	−·040	75·5	66·2	9·3	70·0	+2·4	66·4	63·5	+ 3·8	80	+ 4	·585	58·4	0·675	170	·265	4·2
17	29·926	−·075	75·3	61·9	13·4	68·7	+1·1	63·8	59·9	+ 0·3	74	− 2	·515	57·6	0·000	...	·140	1·4
18	29·916	−·086	76·6	61·6	15·0	69·6	+2·0	65·5	62·4	+ 2·8	78	+ 3	·563	54·3	0·085	20	·185	3·8
19	29·955	−·047	76·6	63·5	13·1	69·3	+1·7	65·5	62·4	+ 2·8	79	+ 4	·563	55·8	0·000	...	·140	2·6
20	29·966	−·036	76·3	63·3	13·0	68·7	+1·1	64·8	61·7	+ 2·2	79	+ 4	·549	56·1	0·200	85	·210	6·5
21	29·963	−·039	74·2	65·0	9·2	67·9	+0·3	65·1	62·7	+ 3·2	84	+ 9	·569	61·3	0·045	145	·105	5·1
22	29·970	−·033	74·6	60·0	14·6	67·1	−0·5	63·8	61·1	+ 1·6	81	+ 6	·538	55·6	0·060	30	·070	5·0
23	29·984	−·019	75·7	54·8	20·9	65·0	−2·5	60·3	56·4	− 3·0	74	− 1	·455	48·2	0·000	...	·210	0·6
24	29·951	−·052	75·8	55·7	20·1	64·9	−2·6	61·2	58·1	− 1·3	79	+ 4	·483	48·9	0·000	...	·120	3·1
25	29·942	−·061	74·6	56·9	17·7	66·1	−1·4	63·2	60·8	+ 1·4	83	+ 8	·532	50·7	0·230	35	·140	6·3
26	30·001	−·003	74·0	61·0	13·0	67·3	−0·2	61·6	57·2	− 2·2	70	− 5	·468	53·6	0·000	...	·150	3·9
27	30·076	+·072	73·4	59·6	13·8	66·8	−0·7	59·8	54·3	− 5·1	65	−10	·421	51·1	0·000	...	·150	7·1
28	30·098	+·094	72·7	64·0	8·7	67·8	+0·3	60·9	55·3	− 4·1	65	−10	·437	55·8	0·005	5	·145	8·6
29	30·100	+ 096	74·2	62·4	11·8	67·3	−0·2	62·4	58·5	− 0·9	73	− 2	·493	57·2	0·075	70	·125	7·4
30	30·054	+·050	73·6	62·4	11·2	67·0	−0·5	62·4	58·9	− 0·5	75	0	·497	58·8	0·075	50	·155	8·0
31	29·984	−·020	70·9	61·5	9·4	64·9	−2·6	62·4	60·1	+ 0·7	85	+10	·519	54·7	0·030	15	·190	7·9
Mean	29·987	−·013	75·0	62·4	12·6	68·1	+0·5	64·0	60·7	+ 1·0	77·5	+2·0	·533	55·8	Sum 2·750	Sum 1129	·150	4·9
Average	30·000	...	75·1	61·7	13·4	67·6	...	63·2	59·7	...	75·5	...	·511	55·6	2·644	1643	·133	4·8
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of July.

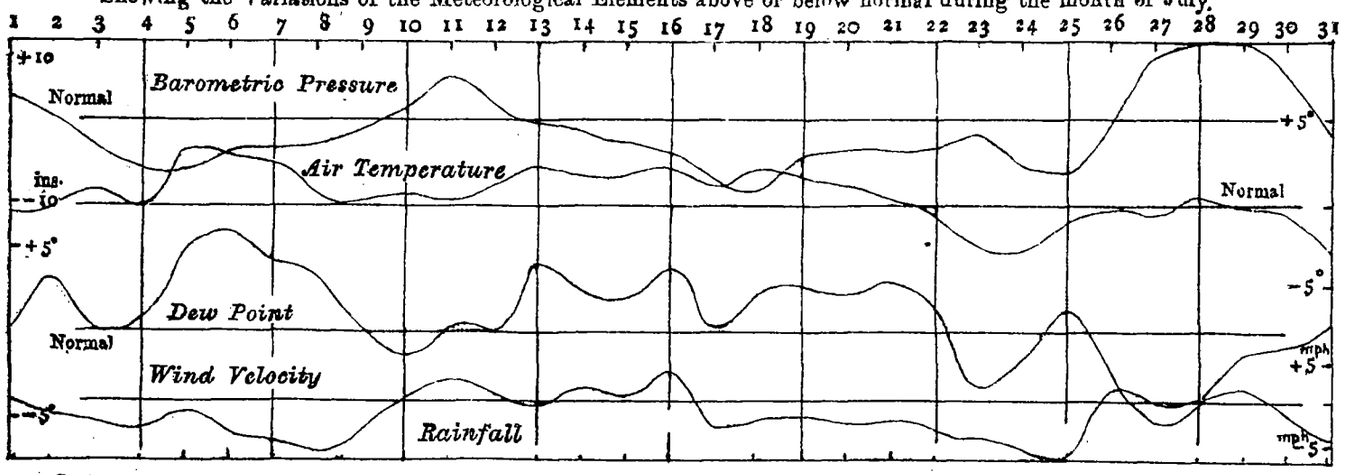


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches.	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
July 1	8·6	79	− 4·3	+ 10·5	67	11·4	+ 5	+ 0·8	12·1	+ 0·2	77·8	77·5	72·85	71·89	71·57	c.p.: c. : f. :f.q.: f.
2	1·4	13	− 4·6	+ 9·3	64	10·4	+ 2	− 0·2	10·7	+ 1·3	77·8	77·5	72·22	71·24	71·07	c. : f.: c.g.p. : c.
3	8·9	82	− 3·2	+ 9·1	71	9·6	+ 9	− 1·1	9·9	− 2·1	77·9	77·4	72·39	71·90	72·12	c. : f. : b.
4	9·3	85	− 1·4	+ 8·2	80	8·3	+ 17	− 2·4	9·0	− 3·0	77·9	77·3	72·66	71·92	71·34	c.p.: f. : c.
5	8·1	74	+ 2·5	+ 10·7	103	11·0	+ 40	+ 0·3	11·4	− 0·6	77·9	77·4	73·22	72·84	73·78	c.p. : c. : f.q. : c. : c.g.p.
6	7·3	67	+ 1·4	+ 7·8	100	7·9	+ 37	− 2·8	8·2	− 3·8	77·9	77·2	73·81	73·57	74·42	o.g. : c.g.p. : c. : f.q: f.
7	9·1	83	− 1·6	+ 7·1	77	7·3	+ 14	− 3·4	7·7	− 4·3	78·1	77·3	74·14	73·98	75·05	c. : f. : b. : f
8	3·9	36	− 2·3	+ 4·4	62	4·9	− 1	− 5·9	6·1	− 5·9	77·7	77·0	73·99	73·51	73·11	f. : c. : f. : c. : f.
9	10·1	93	− 4·9	+ 6·1	51	7·9	− 13	− 2·9	8·3	− 3·7	77·9	77·1	73·21	72·45	72·71	f.: b. : f. : b.
10	9·8	90	− 2·4	+ 12·7	79	12·9	+ 15	+ 2·1	12·9	+ 0·9	78·1	77·3	73·32	72·96	72·61	f. : f.q. : b.
11	9·6	88	− 4·6	+ 13·5	71	14·3	+ 7	+ 3·5	14·7	+ 2·7	77·9	77·3	73·12	72·23	72·25	b. : f. :f.q.: c.q. :c.p.: f.
12	7·2	65	− 5·1	+ 11·4	66	12·5	+ 2	+ 1·7	12·7	+ 0·7	77·9	76·9	72·89	72·09	72·10	b. : f. :c.d.: c.q: c. : f.
13	10·0	91	− 3·8	+ 10·4	70	11·3	+ 6	+ 0·5	11·4	− 0·6	77·9	77·3	73·12	72·67	73·23	c.p. : c. : f. : c.p.
14	9·6	87	− 5·3	+ 11·8	66	12·9	+ 2	+ 2·0	13·4	+ 1·4	77·7	76·8	73·23	72·75	72·76	c.p. : c. : f.q. : f. : b.
15	9·9	90	− 0·7	+ 11·1	86	11·1	+ 22	+ 0·2	12·1	+ 0·1	77·6	76·8	72·90	72·37	72·74	b. : f. :c.p.: f.
16	9·6	87	+ 1·3	+ 14·5	95	14·6	+ 30	+ 3·7	15·6	+ 3·6	77·7	76·7	73·26	72·54	72·89	f. : c.r. : c.q: f.q. : b.
17	10·3	94	− 2·6	+ 8·5	73	8·9	+ 8	− 2·0	9·2	− 2·8	77·7	76·7	72·88	72·17	72·43	b. : f. : b.
18	9·8	89	+ 0·9	+ 9·1	96	9·1	+ 31	− 1·8	9·7	− 2·3	77·7	76·7	73·05	72·49	73·27	c.p. : f.q. : b.
19	9·8	89	− 3·1	+ 9·8	72	10·3	+ 7	− 0·6	10·5	− 1·5	77·9	77·1	73·20	72·98	73·18	b. : f. : c.
20	6·6	60	− 2·7	+ 8·6	73	9·0	+ 8	− 1·9	9·5	− 2·5	77·7	76·8	73·34	72·98	73·43	c.p. : c. : f. : c. : c.p.
21	5·5	50	− 3·4	+ 8·8	69	9·4	+ 4	− 1·5	9·9	− 2·0	77·4	76·3	72·88	72·38	71·72	c. :c.p.: f. : b.
22	5·8	53	− 4·0	+ 7·3	61	8·3	− 4	− 2·7	8·6	− 3·3	77·9	76·8	72·15	71·56	71·30	f. : c.p. :c.q.: f. : b.
23	10·6	96	− 4·0	+ 5·4	54	6·7	− 11	− 4·3	7·3	− 4·6	77·7	76·3	71·41	70·94	71·14	b.
24	9·7	87	− 2·9	+ 3·0	46	4·2	− 19	− 6·8	6·4	− 5·5	77·7	76·4	71·62	71·05	70·78	b. : c. : f. : b.
25	5·8	52	− 1·4	+ 1·3	43	1·9	− 23	− 9·1	5·1	− 6·8	77·7	76·4	71·80	71·09	70·96	c. : f. : c.g.d. :o.r.: c.
26	9·1	82	− 11·9	+ 5·6	25	13·2	− 41	+ 2·2	13·4	+ 1·5	77·5	76·3	71·61	70·96	71·05	f. : b. : f. : c.q. : f.q: b. : c.
27	5·4	49	− 7·7	+ 8·3	47	11·3	− 19	+ 0·3	11·9	0·0	77·6	76·4	71·30	70·43	70·00	c.: o.: f. : c.q. : c.
28	2·8	25	− 6·4	+ 9·9	57	11·8	− 9	+ 0·8	12·1	+ 0·2	77·5	76·3	70·93	70·03	69·78	o. : c.g. : o.q.d : o. : c.
29	7·9	71	− 6·0	+ 11·6	63	13·1	− 3	+ 2·1	13·5	+ 1·6	77·5	76·8	70·95	70·33	70·80	c.p.:c.q: c. : c.q. : c.q.p.
30	5·8	52	− 5·3	+ 8·9	59	10·3	− 7	− 0·8	10·7	− 1·2	77·5	76·5	71·21	70·78	71·20	o.d. . c.p. : f.q. :c.q.:c.p.
31	2·3	21	− 3·6	+ 4·9	54	6·1	− 12	− 5·0	7·5	− 4·4	77·5	76·3	71·61	70·75	69·81	c.p. c.g. : c.d. : c. : f. : c.
Mean -	7·73	70·3	− 3·33	+ 8·70	69·1	9·32	+ 4·7	− 1·54	10·37	− 1·59	77·75	76·87	72·59	72·00	72·08	...
Average	7·71	70·1	− 4·69	+ 9·79	64·4	10·86	...	...	11·96	...	77·33	75·99	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Pressure was below normal on all days except the 1st., 10th. to 12th. and 27th. to 30th. Temperature was generally above normal until the 21st. and below for the remainder of the month. Humidity was variable and in the mean 2% above normal.

The highest dew point temperature was 69°·2 at 9h. on the 6th. ; and the lowest 50°·3 at 21h. on the 27th.

The highest relative humidity was 96°·9 % at 7h. on the 7th. ; and the lowest 50·5 at 16h. on the 27th.

The decrease of soil temperatures on the 20th. did not recover by the end of the month.

The characteristic feature of the month was the abnormal geographical distribution of rainfall : at the Observatory it was 4 % above normal and, generally, over the northern districts, practically normal ; rainfall in the other districts was from 30% to 56% below normal. The percentage variation from the normal in different parts of the Island was as follows :—

Northern Districts	River System 1,	normal
Eastern Districts	,, ,, 2, 3, 4.	32 % below normal
South-Eastern Districts	,, ,, 5,	28 % below ,,
Western Districts	River System 11	56 % below normal
	,, ,, 12	50 % below ,,
	,, ,, 13	47 % below ,,

* South (0°) ; East (90°) ; North (180°) ; West (270°).

TABLE II.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of JULY 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Horizontal Force	Vertical Force.	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
				′	Unit γ			h m	h m	h m	mm	h m	h m	h m	mm	
July 1	° ′ 9·41·5	·23225	·30857	5·4	27	19										
2	40·9	216	855	3·6	48	12										
3	41·6	212	853	4·0	46	15										
4	40·8	216	852	4·2	32	16										
5	41·1	224	848	4·4	21	12										
6	41·1	228	840	5·8	74	20										
7	41·7	215	841	4·8	28	15										
8	41·8	221	838	6·6	16	22										
9	40·9	217	834	4·4	42	20										
10	41·5	212	832	4·0	41	19										
11	40·7	212	835	5·4	31	17										
12	40·7	204	839	5·6	49	9										
13	41·6	213	834	6·4	19	20										
14	41·3	221	833	2·6	39	12										
15	40·7	223	833	4·6	25	13										
16	41·6	224	832	4·2	18	22										
17	41·1	226	833	3·2	20	6										
18	41·2	229	831	3·4	18	24										
19	41·2	224	827	4·6	29	17										
20	41·1	227	829	3·6	41	11										
21	41·4	231	828	4·2	28	7										
22	41·2	234	825	6·0	35	21										
23	41·1	222	826	6·6	18	19										
24	41·5	227	826	5·2	31	26										
25	41·3	229	828	4·0	35	9										
26	41·2	230	825	5·4	47	20										
27	41·2	216	823	6·2	58	34										
28	41·3	220	829	5·4	43	17										
29	41·2	231	830	3·4	19	16										
30	41·1	229	830	3·0	46	17										
31	41·4	223	829	5·2	21	17	1410	5·51·0	6·40·5 6·42·8	...	...	5·52·2	6·40·4	8·39·3	4·1	Recrudescence beginning N.S: 7.34·1; E.W. 7.32·8. max: N.S. 7.42·3 E.W. 7.33·7.
Mean	9·41·23	·23221	·30835	4·69	33·7	16·8	...	...	...	...	...	...	...	...	...	...

* Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of JULY 1915.

Declination (West). Day and Hour.	Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Observed Value.	Dip (South). Day and Hour.	Observed Value.
d h m	° ′	d h m		d h m	° ′
July 6. 8.23	9.40·9	July 6. 9.15	·23245	July 7.10.57	53. 0·9
13.42	9.39·9	12.59	·23248	8.11. 9	53. 1·0
13. 8.50	9.41·1	13.9.39	·23228	12.11. 6	52.58·1
13.40	9.41·5	13. 3	·23207	15. 9.48	53. 0·2
20. 7.50	9.39·9	20. 8.46	·23239	19.12.48	52.58·6
13.46	9.41·9	13. 7	·23248	22.10.39	52.59·3
27. 8.52	9.41·5	27. 8.34	·23244	26.12. 2	52.57·9
13.43	9.39·8	12.58	·23212	29.10.30	53. 0·2

MAGNETIC DISTURBANCES.

Element.	Time of. Beg:	End.	Max:	Min:	Total Range
	d h m	d h	d h	d h	
Hor. Force	2. 2.31*	3.1½	2. 4½	2 20½	63γ
,, ,,	6. 0.41*	7.2	6.12	6.17	76γ
,, ,,	26.21. 5*	28.2	27. 7	27.17	63γ

* Sudden increases of Force.

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

JULY 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	ins. 29·000																
Midnight	1049	1019	979	966	945	961	981	976	981	996	1041	1049	1011	1003	993	983	Midnight
1h	1046	1006	976	966	946	955	975	970	980	990	1049	1035	1010	1003	983	976	1h
2	1035	990	968	950	925	950	970	960	975	985	1040	1028	992	992	977	965	2
3	1024	984	959	941	914	939	964	949	964	979	1037	1024	991	981	956	954	3
4	1025	982	953	935	907	935	955	945	965	980	1035	1025	982	977	947	953	4
5	1025	983	954	934	910	937	957	952	967	977	1040	1027	987	977	947	960	5
6	1016	986	959	936	916	948	963	958	978	988	1046	1031	988	978	953	966	6
7	1022	997	962	957	936	955	980	975	1000	1005	1072	1035	1002	1007	983	982	7
8	1034	1015	977	975	947	971	991	991	1011	1016	1087	1037	1016	1011	987	987	8
9	1050	1027	987	977	957	982	1007	1007	1032	1032	1097	1037	1026	1020	997	999	9
10	1039	1032	977	975	946	981	1001	1006	1036	1041	1104	1047	1033	1019	997	997	10
11	1034	1027	972	962	934	974	989	989	1024	1034	1085	1044	1020	997	987	980	11
Noon	1006	1012	952	937	937	962	962	972	1002	1022	1067	1027	997	977	977	962	Noon
13h	986	1001	936	916	924	949	934	949	984	1016	1036	1001	976	954	968	949	13h
14	976	971	926	906	917	932	922	942	967	991	1016	976	966	948	949	936	14
15	966	964	925	911	905	925	920	940	950	986	1015	973	963	946	945	930	15
16	966	961	926	911	906	931	921	946	951	984	1009	975	963	949	945	929	16
17	971	966	939	916	912	942	932	947	957	986	1011	981	971	952	951	935	17
18	986	976	955	925	919	954	949	959	964	996	1013	986	983	962	958	941	18
19	997	987	967	936	935	960	965	975	975	1012	1027	990	992	977	967	947	19
20	1012	989	977	942	946	971	971	981	996	1027	1048	1007	1012	992	977	959	20
21	1024	992	987	949	957	987	977	987	1002	1042	1055	1017	1019	999	994	965	21
22	1028	994	987	947	972	987	977	987	1002	1049	1060	1017	1019	1004	994	966	22
23	1027	982	974	946	966	981	976	986	1001	1046	1057	1017	1016	997	992	965	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. \ Hour.
	ins. 29·000																
Midnight	956	916	946	983	971	965	1001	1003	958	975	1054	1098	1108	1105	1025	1000	Midnight
1h	954	916	945	973	965	965	991	996	949	970	1055	1100	1106	1099	1009	995	1h
2	946	906	937	969	956	950	981	976	944	960	1051	1093	1096	1086	1002	986	2
3	926	901	929	959	944	942	961	961	929	956	1046	1084	1091	1076	986	976	3
4	917	897	929	956	942	942	957	957	927	953	1046	1084	1087	1062	992	973	4
5	927	897	927	956	945	949	962	947	927	953	1047	1084	1087	1062	997	974	5
6	938	903	937	965	958	958	978	949	933	960	1053	1085	1093	1068	996	980	6
7	943	918	954	978	967	978	998	960	938	978	1078	1093	1107	1078	1001	995	7
8	949	929	968	995	984	999	1012	975	953	999	1099	1103	1124	1086	1009	1008	8
9	965	935	979	1001	999	1006	1018	979	959	1024	1102	1119	1132	1102	1018	1018	9
10	963	944	987	1004	1004	1011	1018	987	958	1021	1101	1135	1140	1098	1023	1020	10
11	954	933	978	993	988	988	998	973	947	1013	1103	1118	1128	1078	1013	1008	11
Noon	937	927	963	975	969	977	977	953	936	1002	1087	1114	1100	1052	997	992	Noon
13h	907	907	943	960	947	950	957	937	916	993	1071	1094	1084	1037	965	972	13h
14	885	891	926	941	941	926	948	915	909	985	1056	1082	1066	1009	949	957	14
15	880	880	925	931	935	932	948	904	905	978	1055	1082	1065	1005	945	953	15
16	884	881	926	936	936	936	949	899	913	986	1056	1083	1066	1006	943	954	16
17	896	891	941	936	945	949	963	902	923	1004	1066	1084	1076	1011	945	961	17
18	897	903	956	942	952	959	977	917	933	1017	1072	1086	1082	1027	955	971	18
19	905	916	973	957	957	977	987	934	947	1031	1087	1095	1092	1029	962	983	19
20	917	930	986	965	976	990	997	940	961	1047	1103	1102	1117	1037	976	995	20
21	926	946	987	970	987	997	1016	962	976	1056	1106	1110	1127	1043	977	1004	21
22	931	951	989	977	980	1006	1017	966	977	1058	1104	1113	1117	1046	977	1006	22
23	933	955	982	977	972	1007	1011	961	979	1057	1103	1109	1116	1029	974	1003	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

JULY 1915.

Hour. / Day.	1d. Air.	1d. Evaporation.	2d. Air.	2d. Evaporation.	3d. Air.	3d. Evaporation.	4d. Air.	4d. Evaporation.	5d. Air.	5d. Evaporation.	6d. Air.	6d. Evaporation.	7d. Air.	7d. Evaporation.	8d. Air.	8d. Evaporation.
Midnight	62·3	59·2	67·4	63·9	67·7	65·2	64·7	62·3	67·5	65·3	68·6	66·4	66·6	65·2	64·1	62·4
1h	62·7	60·3	68·0	64·0	67·0	64·5	65·4	63·4	67·1	66·2	67·9	67·1	66·9	65·5	64·4	63·2
2	63·3	61·3	66·5	63·5	66·3	63·9	63·0	61·1	67·3	66·4	68·3	66·9	67·2	65·8	64·0	62·5
3	62·4	60·4	66·3	63·7	66·7	63·9	61·3	59·6	67·2	66·2	68·2	66·8	67·4	66·1	65·2	64·2
4	63·0	61·2	65·7	63·6	66·7	63·7	60·7	59·2	67·7	66·6	68·7	67·0	67·7	66·1	64·6	63·3
5	63·6	62·2	66·5	64·2	66·2	63·2	60·0	58·7	68·7	67·2	68·1	67·0	67·4	65·8	64·4	63·2
6	63·2	61·5	66·4	64·3	65·9	63·3	61·0	59·8	68·7	66·5	68·0	66·7	67·2	66·0	65·8	64·7
7	63·4	61·4	66·8	64·4	65·6	63·2	63·9	62·4	69·0	66·5	68·6	68·0	66·7	66·2	66·1	65·1
8	65·8	63·5	67·8	65·1	68·4	65·3	65·8	64·1	69·8	66·6	68·8	67·3	70·3	68·2	68·7	66·9
9	66·8	64·2	68·5	66·5	70·3	65·9	70·8	65·5	73·8	67·6	71·8	70·3	73·5	69·1	71·8	68·5
10	70·6	66·4	69·4	66·6	72·9	67·0	72·5	65·6	74·8	67·9	74·3	71·1	74·8	68·9	73·6	68·3
11	71·0	65·3	68·7	67·2	74·0	66·7	73·8	65·7	76·1	68·9	75·5	70·4	75·9	68·2	75·8	68·7
Noon	73·7	66·2	68·8	67·1	75·2	65·7	74·9	65·8	76·3	69·2	76·9	71·5	77·0	68·5	75·7	69·0
13h	74·1	65·1	67·5	65·6	74·6	64·1	75·3	66·3	76·6	69·1	76·6	71·1	77·6	69·3	75·9	68·3
14	74·1	65·2	69·2	65·9	74·3	64·9	75·2	66·1	75·7	68·3	76·6	70·6	76·7	69·3	73·3	68·8
15	72·5	65·9	70·4	66·0	74·5	64·6	73·4	66·5	74·8	69·1	76·0	70·5	75·5	68·7	71·9	68·3
16	72·6	65·2	70·0	66·1	73·6	65·1	70·5	67·1	74·6	69·7	75·6	70·4	74·6	67·4	71·5	68·0
17	70·5	64·8	67·3	65·7	71·6	64·7	70·7	66·2	73·2	68·7	73·6	69·3	72·6	67·2	70·1	66·7
18	68·6	64·1	66·6	64·5	68·3	64·1	68·3	65·0	72·2	69·1	71·6	68·8	69·6	66·3	67·9	65·1
19	67·6	63·8	67·2	65·7	65·8	62·7	67·0	64·1	70·6	68·9	69·7	67·4	67·7	64·8	65·7	63·3
20	67·1	63·8	67·6	65·9	64·6	61·8	66·6	64·4	70·5	69·2	68·3	66·6	66·8	64·6	64·2	62·4
21	66·6	63·4	67·4	65·7	64·7	62·0	66·6	64·5	70·1	68·4	67·9	66·3	66·7	64·9	64·0	62·2
22	66·2	63·7	67·7	65·4	65·2	62·0	67·7	65·5	69·4	67·2	67·0	65·3	66·7	65·0	64·8	62·7
23	65·6	63·1	67·7	65·2	64·9	62·0	67·9	66·1	68·5	67·2	67·0	65·3	66·7	65·2	63·6	62·1

Hour. / Day.	9d. Air.	9d. Evaporation.	10d. Air.	10d. Evaporation.	11d. Air.	11d. Evaporation.	12d. Air.	12d. Evaporation.	13d. Air.	13d. Evaporation.	14d. Air.	14d. Evaporation.	15d. Air.	15d. Evaporation.	16d. Air.	16d. Evaporation.
Midnight	63·3	61·5	62·8	60·4	66·1	61·3	66·1	62·9	66·7	65·2	68·0	66·1	65·7	62·7	68·6	66·7
1h	62·9	62·2	66·2	64·2	64·7	61·0	66·7	62·4	66·8	65·3	67·1	65·2	65·7	63·1	68·1	66·5
2	64·2	62·4	66·1	63·7	63·3	60·5	65·7	61·4	67·3	65·5	66·7	64·8	65·1	62·7	67·8	66·2
3	64·5	62·7	66·0	64·0	65·6	62·3	65·3	61·4	66·4	65·1	66·0	64·6	64·9	62·1	67·7	66·6
4	64·2	62·2	66·1	63·9	64·7	61·5	64·2	60·8	66·2	64·4	66·2	64·4	64·7	62·2	67·2	65·4
5	62·0	60·2	65·6	62·8	64·7	61·3	63·7	60·7	66·7	65·3	65·9	64·7	63·4	61·2	66·7	64·8
6	61·5	60·1	65·7	62·4	64·6	61·3	62·9	60·4	67·0	65·8	65·9	64·4	63·2	61·3	67·0	66·0
7	62·6	61·8	65·6	62·3	65·2	62·9	64·6	61·9	66·3	65·2	66·4	64·6	62·3	60·5	66·9	65·3
8	67·8	66·0	67·8	63·8	66·8	63·3	67·8	63·5	68·2	66·5	67·8	65·4	67·5	64·5	68·5	66·4
9	71·4	67·8	70·7	65·2	70·8	64·9	70·8	64·9	72·1	69·1	71·8	67·5	71·8	65·5	72·3	67·9
10	72·8	66·6	72·0	65·2	73·0	64·8	72·9	65·3	73·5	68·4	73·3	68·3	73·8	66·0	73·3	68·0
11	74·7	67·2	71·7	64·4	72·8	64·7	73·1	64·7	73·2	68·1	74·2	68·2	75·1	65·4	73·6	67·9
Noon	76·1	67·2	74·0	64·7	74·2	65·4	73·9	65·2	74·6	68·2	74·4	68·2	76·0	66·4	75·2	68·2
13h	75·9	67·4	73·9	63·6	73·6	65·8	73·6	64·4	74·9	68·1	73·6	67·8	76·6	67·6	74·6	68·8
14	75·6	66·4	73·6	62·6	73·0	65·1	73·6	65·0	75·2	67·0	73·9	66·7	75·7	67·7	74·8	67·7
15	74·5	65·7	72·5	63·1	72·8	65·4	72·8	65·7	74·8	67·2	73·5	65·3	73·2	68·5	73·8	67·0
16	73·1	64·0	71·6	62·1	68·6	65·0	72·2	65·3	73·6	67·3	72·8	65·2	73·3	68·0	73·2	67·0
17	70·6	62·9	69·6	61·3	69·3	64·8	70·9	65·0	72·6	66·8	70·8	65·2	71·6	67·1	71·6	66·5
18	67·8	62·6	66·9	61·1	67·7	64·6	68·9	64·5	69·6	66·2	68·8	64·9	69·7	66·8	69·1	65·5
19	65·0	61·4	66·6	61·9	66·7	64·3	67·6	64·1	68·3	66·0	67·4	63·1	68·9	66·4	68·6	65·2
20	65·5	61·9	65·9	61·9	65·9	64·0	68·4	65·1	68·0	66·3	67·5	63·3	69·6	67·7	68·2	65·3
21	65·7	63·1	66·7	62·5	65·9	64·4	67·9	64·9	67·7	65·9	67·3	63·2	68·2	66·6	68·2	65·1
22	64·7	61·8	66·7	62·2	65·7	63·9	67·9	65·3	67·7	66·0	66·4	62·9	68·5	66·8	67·9	65·0
23	66·7	63·2	66·6	61·3	65·7	64·2	66·9	65·2	67·7	66·1	66·7	62·9	68·0	66·4	67·4	64·8

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

JULY 1915.

Hour. / Day.	17d. Air.	17d. Evaporation.	18d. Air.	18d. Evaporation.	19d. Air.	19d. Evaporation.	20d. Air.	20d. Evaporation.	21d. Air.	21d. Evaporation.	22d. Air.	22d. Evaporation.	23d. Air.	23d. Evaporation.	24d. Air.	24d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	66·6	64·5	61·6	60·3	64·5	63·1	66·1	64·5	65·7	64·0	65·5	63·2	60·4	58·6	57·5	56·3	Midnight
1h	66·5	64·3	65·5	64·5	64·2	62·9	64·1	62·6	65·1	63·5	65·0	63·3	59·2	57·5	57·6	56·3	1h
2	66·4	64·0	65·9	65·1	63·5	62·4	64·2	63·3	65·5	64·3	65·2	63·5	59·3	57·6	57·3	55·9	2
3	66·1	63·9	66·5	65·6	63·6	62·5	65·7	64·3	66·0	64·5	65·1	63·7	57·4	55·9	56·6	55·3	3
4	66·1	63·8	67·2	66·2	63·6	62·5	64·0	62·3	66·4	64·6	65·2	63·6	57·6	55·9	56·3	55·0	4
5	65·5	63·2	67·2	66·1	63·7	63·0	65·1	63·6	65·3	64·3	66·2	65·0	56·2	54·8	56·2	55·2	5
6	65·3	62·8	67·6	66·5	63·9	62·6	64·0	62·5	65·6	64·3	65·4	64·3	54·8	53·3	56·0	54·9	6
7	64·3	62·2	67·4	66·4	64·7	63·4	65·8	64·6	65·5	63·7	65·3	63·9	56·3	55·0	55·7	54·6	7
8	69·0	64·5	69·0	67·2	68·3	66·3	66·8	65·5	66·4	65·0	66·4	65·3	62·7	60·8	61·6	61·0	8
9	72·2	65·8	72·7	67·0	72·7	68·8	68·9	67·4	68·7	67·8	68·6	66·3	69·4	63·5	69·7	66·8	9
10	73·2	65·9	74·1	66·7	74·0	68·4	72·0	65·2	72·3	67·8	69·8	67·3	72·7	64·2	72·7	66·4	10
11	73·2	65·1	75·1	67·4	75·8	68·1	74·7	64·2	73·9	67·4	73·2	68·1	74·1	65·0	73·8	66·2	11
Noon	75·1	65·3	75·1	67·0	76·2	67·3	76·1	65·8	73·2	67·5	70·6	67·2	74·7	65·1	75·8	65·9	Noon
13h	75·2	65·6	75·6	66·7	76·4	66·4	75·6	65·8	71·7	67·8	73·9	68·1	75·1	65·4	73·7	66·9	13h
14	75·0	64·5	76·5	66·8	76·2	67·1	75·8	66·6	69·6	67·3	74·5	66·1	75·3	64·3	75·2	67·5	14
15	74·9	64·6	75·5	66·4	75·6	67·7	74·5	67·1	69·1	66·7	73·9	65·6	74·5	64·4	74·6	67·4	15
16	73·3	63·7	74·6	65·9	74·6	66·9	72·6	65·8	71·2	65·9	72·9	64·5	73·9	64·5	74·4	66·7	16
17	71·5	63·5	72·6	65·8	72·4	67·0	70·5	65·5	70·5	66·2	70·5	64·1	70·9	64·1	71·2	65·1	17
18	67·6	62·9	69·3	65·3	70·0	66·7	67·6	64·8	67·9	64·9	67·5	63·4	67·3	62·2	68·0	63·9	18
19	65·6	62·1	66·5	64·0	68·6	66·1	67·0	64·2	67·3	64·0	64·7	62·0	64·6	60·8	64·7	62·0	19
20	65·2	62·4	65·9	63·2	68·2	65·7	67·4	65·6	65·8	62·8	62·2	60·0	63·0	60·0	62·4	60·0	20
21	65·6	63·4	66·0	63·4	67·3	65·1	67·5	65·5	66·8	62·3	60·9	58·6	61·8	59·1	61·5	59·2	21
22	64·6	62·7	65·7	63·5	67·4	65·1	66·4	64·4	65·3	62·1	60·2	58·1	61·6	59·6	62·6	60·2	22
23	63·1	61·9	64·9	63·2	68·0	66·0	65·9	64·2	65·6	63·1	60·5	58·3	58·7	57·2	60·6	58·9	23

Hour. / Day.	25d. Air.	25d. Evaporation.	26d. Air.	26d. Evaporation.	27d. Air.	27d. Evaporation.	28d. Air.	28d. Evaporation.	29d. Air.	29d. Evaporation.	30d. Air.	30d. Evaporation.	31d. Air.	31d. Evaporation.	Mean. Air	Mean. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	60·4	59·0	65·3	61·4	64·3	61·4	65·6	60·3	66·5	61·5	62·8	60·5	62·9	60·3	64·9	62·4	Midnight
1h	61·6	60·0	65·5	60·8	64·2	61·5	65·1	59·3	63·7	62·0	62·7	60·3	61·5	59·3	64·8	62·7	1h
2	60·5	58·7	65·5	60·6	64·4	61·3	65·2	59·0	63·7	62·3	63·5	60·8	62·6	60·4	64·7	62·5	2
3	61·1	59·7	65·5	60·7	64·2	62·0	64·7	58·8	62·9	60·6	63·4	61·0	61·9	60·7	64·6	62·5	2
4	59·5	57·9	65·0	60·8	63·7	57·4	65·7	58·2	64·0	60·7	63·9	61·8	62·4	61·0	64·5	62·2	4
5	58·3	57·0	63·2	60·3	61·1	57·3	65·3	59·3	63·3	61·0	64·2	61·6	62·5	60·9	64·1	62·1	5
6	57·7	56·3	62·2	59·7	62·0	58·4	66·4	58·1	62·6	60·1	63·3	61·9	62·6	60·5	64·0	62·0	6
7	57·0	55·6	61·6	59·6	61·9	56·6	64·0	57·4	63·7	60·4	63·1	61·7	62·7	60·8	64·2	62·2	7
8	63·1	61·8	65·3	62·3	65·7	57·6	65·6	59·0	66·2	61·9	65·7	63·3	62·9	61·8	66·8	64·2	8
9	69·7	65·1	68·0	64·9	69·5	59·2	69·2	60·2	70·9	63·2	66·1	63·8	67·8	62·4	70·4	65·9	9
10	71·4	66·5	71·3	65·5	71·0	60·7	70·1	61·2	71·6	63·2	68·7	65·4	66·7	61·7	72·2	66·1	10
11	73·0	66·8	73·0	64·4	70·7	61·7	70·7	63·0	72·6	63·5	71·7	65·1	66·4	64·1	73·3	66·2	11
Noon	72·7	66·2	73·2	65·1	71·6	61·9	72·7	62·9	74·1	63·8	72·2	64·9	67·0	64·2	74·1	66·3	Noon
13h	74·6	67·7	73·2	63·0	71·7	62·8	71·7	63·0	74·2	63·1	69·7	63·2	67·6	64·4	74·0	66·2	13h
14	73·0	67·1	73·4	62·7	72·9	63·1	70·8	63·0	72·5	63·8	72·6	64·0	68·5	65·7	73·9	66·6	14
15	73·5	67·5	72·8	62·7	70·9	61·0	70·6	64·4	69·6	62·9	73·0	62·7	67·0	64·7	73·1	65·9	15
16	68·6	65·7	71·4	61·7	70·6	59·7	70·1	61·7	71·1	64·4	72·9	62·7	68·9	64·7	72·3	65·4	16
17	68·6	66·8	69·6	60·9	68·6	60·0	69·6	61·7	69·6	63·8	71·0	62·9	68·5	63·9	70·7	65·0	17
18	68·5	66·6	67·5	59·8	66·8	60·3	68·6	61·5	67·8	62·9	67·4	62·0	65·6	63·0	68·4	64·3	18
19	67·6	66·3	65·6	59·3	66·1	59·0	67·2	61·5	67·1	62·1	66·5	62·2	62·9	60·7	66·9	63·5	19
20	67·2	65·8	63·2	59·0	64·6	57·0	67·3	61·4	65·3	62·7	67·0	62·0	63·6	62·0	66·2	63·3	20
21	66·6	65·1	64·5	60·9	66·1	57·4	67·2	61·4	64·9	63·2	66·0	61·8	64·6	62·5	66·1	63·3	21
22	66·2	64·1	64·6	61·3	64·5	58·3	66·4	62·1	64·2	61·9	65·3	62·0	64·6	62·5	65·8	63·2	22
23	64·6	62·5	64·9	61·9	64·6	59·7	66·3	62·0	63·9	62·2	64·7	61·1	65·3	63·2	65·5	63·1	23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour. \ Day.	JULY 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Mean.
Midnight	7	9	9	3	9	10	10	1	4	3	1	1	8	9	2	3	2	1	0	2	6	4	0	1	7	3	5	10	8	10	8	4·7
1h	9	8	6	7	10	6	7	3	3	9	1	2	7	9	0	2	1	9	0	3	5	3	1	0	7	2	6	10	9	10	8	5·3
2	10	3	8	4	10	8	8	2	4	3	2	1	3	10	0	2	2	8	1	8	6	2	0	2	5	2	8	10	5	10	9	5·0
3	9	1	7	2	9	10	9	3	0	3	1	2	10	6	0	8	1	7	0	6	5	2	0	1	7	1	10	9	9	10	10	5·1
4	3	2	7	3	8	10	9	5	0	5	0	1	5	9	1	8	1	5	1	1	6	3	0	1	2	1	9	9	8	10	10	4·6
5	5	4	6	5	9	10	9	6	0	4	0	2	7	5	1	9	1	7	1	9	6	6	0	1	1	2	10	8	9	10	9	5·2
6	7	6	7	7	9	10	5	8	1	3	2	2	7	7	1	10	1	9	0	6	6	7	0	1	3	4	4	7	8	9	8	5·3
7	5	8	7	5	9	10	4	10	1	4	2	3	4	6	1	5	1	9	1	7	5	9	0	1	4	2	1	8	7	9	9	5·2
8	4	9	6	5	7	9	3	10	2	5	6	3	4	5	1	7	1	8	2	8	8	10	0	0	1	3	7	10	6	9	7	5·3
9	8	9	8	6	3	9	3	5	3	5	1	3	4	2	1	8	3	2	3	10	5	10	0	2	1	9	5	10	4	10	9	5·2
10	5	10	5	5	5	7	2	7	4	6	6	4	6	3	1	6	5	4	5	8	7	10	0	7	2	5	7	10	7	8	10	5·7
11	6	10	8	4	5	8	2	5	2	6	4	6	7	4	1	6	4	2	4	3	7	8	1	7	6	7	9	10	6	7	10	5·7
Noon	6	10	3	4	6	8	2	5	2	3	6	7	5	5	1	5	3	2	4	4	7	8	1	7	5	7	10	8	6	8	10	5·4
13h	7	10	3	3	6	7	2	7	4	5	7	8	6	5	5	5	2	3	4	5	9	8	1	7	9	7	9	10	6	7	9	6·0
14	6	8	3	5	8	7	4	8	4	3	6	6	4	5	6	4	1	4	4	6	10	6	1	7	10	3	8	10	9	6	9	5·9
15	4	6	2	4	9	6	3	8	3	0	3	7	4	6	5	3	0	3	4	6	8	7	3	6	10	4	9	10	9	5	9	5·4
16	3	7	3	5	9	5	1	8	2	0	7	8	5	4	6	3	0	2	3	9	6	5	3	5	9	4	8	10	9	6	7	5·2
17	4	10	2	3	8	5	1	6	1	1	6	7	3	3	5	2	0	2	2	8	5	4	2	4	9	3	7	10	6	7	6	4·6
18	2	8	2	3	8	4	1	3	1	2	3	8	6	2	6	1	1	1	2	8	3	3	1	2	10	2	7	7	5	8	2	3·9
19	3	10	0	2	8	2	0	1	1	0	8	7	8	0	7	1	0	1	2	9	1	1	0	1	10	1	4	9	7	8	2	3·7
20	4	8	0	1	8	0	0	1	1	0	6	2	8	0	7	1	0	1	3	10	1	0	0	2	10	3	3	9	9	8	6	3·6
21	3	9	0	1	7	0	1	2	1	0	8	3	8	0	0	1	0	0	2	10	1	1	0	0	10	8	7	8	10	8	8	3·8
22	2	10	1	6	10	2	2	1	1	3	2	5	8	1	1	1	1	1	6	4	0	1	0	1	8	6	7	2	7	4	7	3·6
23	2	10	1	7	10	3	4	3	3	2	3	4	7	1	2	1	2	0	7	5	1	1	1	5	7	5	9	4	8	7	7	4·3

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	JULY 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Total.
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	2	0	0	3	0	0	2	0	4	0	2	0	12	0	10	0	5	0	5	0	2	0	28	20	25	20	5	0	6	0	0	2·5
8	36	0	15	60	27	0	22	0	57	47	57	53	56	33	60	38	60	43	58	0	28	3	60	60	60	40	6	0	39	1	0	17·0
9	13	0	38	60	51	11	60	31	60	57	60	60	60	60	60	60	60	60	60	32	32	12	60	60	60	23	53	1	54	0	0	21·8
10	60	0	60	60	60	57	60	40	60	56	60	60	60	60	60	60	60	60	60	40	58	12	60	60	60	52	57	0	59	18	0	25·5
11	60	0	56	60	60	59	60	60	60	57	60	43	56	60	60	60	58	60	60	59	55	51	60	60	55	58	21	10	50	58	6	26·5
Noon	60	2	60	60	60	52	60	55	60	60	60	58	60	60	60	60	59	60	60	60	36	14	60	56	28	44	13	26	60	28	22	25·2
13h	60	0	60	60	60	56	60	45	60	60	60	57	60	58	60	60	60	60	60	60	24	44	60	43	30	57	35	43	60	27	33	26·2
14	57	21	60	60	49	59	60	0	60	60	60	48	60	60	60	60	60	60	60	60	11	55	60	60	1	60	56	41	54	46	20	25·6
15	55	50	60	37	42	58	58	0	60	60	60	40	60	60	60	60	60	60	60	58	10	53	60	48	3	60	20	32	28	60	10	24·0
16	55	11	60	29	41	57	58	0	60	60	50	9	56	60	56	54	60	60	60	28	43	57	60	51	0	60	38	10	27	60	8	22·3
17	59	0	60	60	38	29	45	0	60	60	48	2	58	60	45	60	60	60	46	0	30	48	55	55	23	60	19	2	36	51	38	21·1
18	0	0	5	10	0	0	0	0	8	12	0	0	0	3	0	6	15	3	0	0	0	0	11	10	2	14	0	0	0	0	0	1·7
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 239·4 hours; the corresponding period during which the sun was above the horizon was 340·9 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

JULY 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	5·6	11·0	8·2	8·8	9·2	10·4	5·4	3·2	5·0	3·1	9·6	15·1	7·3	7·6	11·9	14·1	Midnight
1h	5·4	11·4	8·0	5·8	9·2	6·1	4·4	7·8	5·0	8·0	8·2	15·3	7·5	11·7	9·0	14·9	1h
2	7·3	8·8	7·1	3·1	5·0	9·2	4·8	5·0	4·4	5·8	6·3	12·9	7·6	4·8	11·0	15·3	2
3	4·4	10·6	6·5	4·6	5·7	6·3	6·1	7·7	3·4	11·0	9·2	11·9	10·0	6·7	7·6	13·1	3
4	8·2	6·3	6·1	4·4	8·2	8·6	6·1	6·3	5·9	12·1	8·2	11·6	8·8	7·5	6·3	15·1	4
5	6·3	11·2	6·1	5·9	10·8	5·9	5·4	7·3	2·8	9·0	9·2	9·2	6·9	8·2	5·6	14·9	5
6	6·3	10·2	4·6	5·4	11·2	6·3	6·7	7·3	4·4	11·2	8·0	9·0	5·9	3·0	6·1	13·7	6
7	10·6	10·2	7·6	9·8	10·6	6·3	8·6	6·1	4·8	9·4	12·5	9·4	6·3	9·2	5·2	15·3	7
8	11·7	7·8	10·2	5·9	10·2	6·1	9·4	6·5	4·0	11·2	12·9	9·2	9·0	13·5	6·3	16·1	8
9	6·7	13·5	12·9	13·3	14·9	6·5	11·0	6·7	4·4	17·1	15·1	17·1	12·1	14·7	16·5	14·3	9
10	16·5	15·1	16·9	14·9	12·1	10·8	8·8	9·4	14·1	18·3	22·1	19·1	14·3	17·5	16·5	22·3	10
11	18·1	10·6	14·9	14·3	15·1	11·9	11·0	8·6	12·3	19·5	21·5	19·7	17·5	20·7	16·7	21·9	11
Noon	17·9	11·7	15·9	13·9	15·3	12·9	11·2	8·2	13·9	19·5	21·5	18·3	17·5	22·1	16·7	21·9	Noon
13h	18·5	16·7	16·3	13·9	16·5	12·9	15·1	9·4	15·5	22·1	21·3	19·1	15·3	23·1	18·1	16·9	13h
14	18·9	15·7	14·1	15·9	16·5	10·8	14·5	6·1	18·7	19·9	21·9	18·5	16·5	20·1	19·3	22·7	14
15	18·9	15·9	13·3	11·9	12·7	12·1	13·7	6·3	15·3	18·3	20·5	16·1	18·4	19·5	16·3	20·3	15
16	19·1	12·5	12·7	7·6	14·7	10·0	13·5	4·4	16·3	18·1	19·1	15·9	18·4	18·9	14·5	19·7	16
17	16·3	11·4	11·6	8·6	13·1	9·8	7·1	2·4	13·7	14·1	17·9	13·1	19·5	16·7	15·1	20·7	17
18	12·3	7·1	6·7	7·1	7·1	8·2	3·4	3·9	7·3	9·2	15·1	8·2	10·6	13·7	12·7	9·0	18
19	13·9	5·9	5·0	8·2	7·5	7·6	3·4	4·6	3·0	7·1	15·5	6·3	10·4	10·8	11·2	11·9	19
20	14·3	8·2	5·2	8·2	8·0	6·3	3·7	6·5	7·3	9·2	15·7	9·2	9·6	9·0	11·2	10·2	20
21	14·1	8·8	8·6	8·2	12·3	6·3	3·5	6·9	7·3	10·2	13·1	9·6	6·9	11·4	10·2	12·1	21
22	6·3	8·2	8·4	9·2	11·9	5·0	3·7	3·7	5·8	11·4	14·7	8·8	8·2	14·1	13·1	10·6	22
23	10·2	9·6	10·0	7·3	15·3	3·5	4·2	1·8	6·7	10·8	10·4	7·1	8·2	16·1	13·1	9·8	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23.d	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
Midnight	10·0	1·8	5·4	6·3	7·8	8·2	8·6	6·1	6·3	13·3	10·2	6·3	12·3	8·6	7·1	8·2	Midnight
1h	9·2	5·7	5·6	4·4	5·6	5·9	9·6	5·2	7·3	13·1	11·4	3·5	14·3	7·1	5·7	8·1	1h
2	9·2	7·3	7·3	8·2	6·1	7·1	9·4	5·6	7·1	12·1	3·4	6·3	8·2	7·3	9·4	7·5	2
3	6·3	5·2	6·1	3·7	7·3	8·4	5·7	6·3	5·7	12·7	7·3	4·8	7·3	7·3	10·6	7·4	3
4	10·6	5·7	6·1	3·9	9·4	7·6	3·5	6·3	3·4	12·1	5·7	8·0	11·2	6·1	6·5	7·6	4
5	8·6	7·5	8·6	4·8	8·0	8·8	2·6	6·5	4·4	8·6	9·2	8·0	8·6	10·4	9·6	7·7	5
6	9·0	7·6	7·1	7·3	8·0	7·6	3·9	4·8	3·0	4·4	7·8	10·6	10·4	4·4	8·0	7·2	6
7	7·5	7·6	8·2	4·4	9·4	6·9	7·6	3·2	5·0	3·7	5·4	8·6	9·6	3·4	4·0	7·6	7
8	8·4	10·4	8·0	6·9	8·2	8·2	7·5	6·7	3·2	10·2	17·1	5·4	8·2	9·4	5·4	8·8	8
9	5·7	14·5	13·5	7·5	11·0	8·6	9·2	3·7	2·0	9·2	19·1	12·1	14·3	11·9	4·4	10·9	9
10	15·5	15·7	13·5	14·1	15·5	8·0	10·2	7·1	3·0	14·9	17·1	15·3	19·5	9·4	10·2	14·1	10
11	14·1	18·3	17·5	16·3	17·1	8·6	9·4	6·9	6·3	18·3	14·1	21·3	19·3	13·5	4·8	14·8	11
Noon	14·3	15·7	19·3	15·1	14·9	10·0	10·6	8·2	6·5	21·1	19·1	15·9	21·9	15·1	15·3	15·5	Noon
13h	16·1	14·1	19·1	15·1	12·3	11·9	11·2	9·6	8·6	19·9	20·1	22·1	21·3	14·7	12·5	16·1	13h
14	16·7	14·9	17·1	15·7	14·5	16·1	9·6	10·2	6·7	16·5	24·1	16·7	25·3	18·1	10·2	16·2	14
15	10·6	14·3	18·1	14·7	12·1	15·1	8·4	9·8	4·6	24·5	13·1	20·9	14·3	16·1	9·8	14·7	15
16	12·1	13·9	16·1	14·9	10·8	14·7	9·0	7·3	6·3	26·3	15·3	17·7	18·9	16·1	11·0	14·4	16
17	7·6	10·0	14·1	8·2	11·7	10·4	9·6	6·7	3·7	18·7	13·1	12·1	12·5	15·9	8·6	12·1	17
18	6·3	6·1	8·2	9·8	8·8	7·6	6·9	5·7	2·6	14·5	9·4	13·1	10·2	15·3	4·2	8·7	18
19	5·7	7·6	6·3	10·8	9·6	4·4	5·9	2·2	3·0	7·6	10·6	12·1	11·7	11·2	5·2	7·9	19
20	6·3	7·1	6·9	10·0	8·2	4·4	3·9	4·2	2·8	6·1	10·0	11·9	12·1	13·3	5·0	8·2	20
21	5·4	7·1	5·4	10·2	6·3	4·4	5·2	7·3	3·1	11·9	12·1	12·7	9·2	8·0	4·4	8·5	21
22	5·6	7·1	6·9	7·1	7·5	6·5	5·6	7·5	8·2	13·1	5·4	12·1	13·7	8·0	4·4	8·4	22
23	3·4	5·0	8·0	7·8	8·2	7·1	3·7	5·4	6·1	11·2	7·6	9·4	12·3	7·6	4·4	8·1	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile.*)

JULY 1915.

Day. / Hour.	1d. N.	1d. E.	2d. N.	2d. E.	3d. N.	3d. E.	4d. N.	4d. E.	5d. N.	5d. E.	6d. N.	6d. E.	7d. N.	7d. E.	8d. N.	8d. E.	Day. / Hour.
Midnight	98	105	92	108	98	108	97	108	96	108	100	110	99	105	97	101	Midnight
1h	97	104	96	111	98	108	96	104	107	107	101	106	99	104	95	105	1h
2	96	106	95	107	97	107	97	100	102	105	106	106	98	104	96	104	2
3	98	104	93	107	97	106	98	104	101	106	101	106	98	106	98	107	3
4	97	108	96	105	98	106	96	102	97	108	100	109	99	106	99	106	4
5	96	105	92	108	97	105	97	105	102	111	100	106	98	105	99	107	5
6	96	105	93	107	97	104	98	105	102	111	100	106	99	107	99	107	6
7	93	108	93	107	99	107	96	109	104	110	104	104	98	108	99	106	7
8	92	108	94	105	96	109	98	105	102	110	100	106	100	109	99	106	8
9	100	107	93	111	93	111	95	112	106	114	99	106	98	111	97	106	9
10	97	105	94	114	97	117	100	115	109	109	106	109	94	106	98	109	10
11	97	119	94	109	100	115	100	114	106	114	107	110	102	111	98	108	11
Noon	97	118	93	110	97	116	100	114	106	114	103	113	104	110	100	108	Noon
13h	100	118	97	116	100	116	97	114	100	117	100	113	97	115	100	109	13h
14	93	118	94	115	97	114	100	116	103	116	102	111	94	113	97	95	14
15	100	119	94	115	97	113	108	108	102	112	105	111	100	114	94	98	15
11	96	119	95	112	91	109	104	106	103	114	104	109	100	113	96	99	16
17	94	115	100	111	98	111	100	109	102	113	100	110	100	107	98	99	17
18	95	111	96	106	97	106	99	107	101	107	100	108	98	103	101	104	18
19	92	111	103	105	98	105	97	108	99	107	100	108	98	103	97	103	19
20	95	113	97	108	98	105	100	108	102	108	100	106	98	103	99	106	20
21	92	112	97	108	94	106	100	108	105	111	99	106	97	103	95	105	21
22	96	105	98	108	94	106	97	108	95	111	99	105	97	103	97	103	22
23	94	108	98	109	94	108	97	107	106	114	99	103	97	102	99	101	23

Day. / Hour.	9d. N.	9d. E.	10d. N.	10d. E.	11d. N.	11d. E.	12d. N.	12d. E.	13d. N.	13d. E.	14d. N.	14d. E.	15d. N.	15d. E.	16d. N.	16d. E.	Day. / Hour.
Midnight	96	103	102	102	96	109	97	115	96	106	100	108	95	111	108	112	Midnight
1h	96	103	96	107	97	108	97	115	98	107	95	111	95	107	108	112	1h
2	96	101	100	106	98	106	95	112	96	106	99	105	98	111	107	113	2
3	97	99	96	110	98	109	95	111	96	109	99	107	96	106	108	111	3
4	95	102	100	112	97	108	100	112	94	106	101	107	96	105	106	113	4
5	98	103	98	109	96	108	98	109	96	106	97	103	97	105	105	114	5
6	96	100	100	111	97	107	97	108	97	105	99	103	97	105	106	113	6
7	96	102	100	109	95	111	96	109	96	105	98	109	97	104	106	114	7
8	98	103	100	111	95	112	95	108	95	107	93	111	96	105	105	115	8
9	96	102	97	117	100	115	91	114	91	109	100	115	91	114	104	113	9
10	90	110	100	118	88	118	96	119	97	114	90	114	91	114	104	122	10
11	91	109	92	118	92	120	89	116	97	117	85	115	94	115	104	121	11
Noon	90	110	96	119	96	121	96	118	100	117	92	120	94	115	104	122	Noon
13h	89	111	96	122	88	118	89	116	94	114	91	121	100	118	97	117	13h
14	87	113	96	119	88	118	96	118	97	116	100	120	104	119	100	123	14
15	94	114	96	118	92	119	94	115	90	115	89	116	106	115	96	120	15
16	94	115	100	118	93	118	89	111	93	117	93	117	105	113	92	118	16
17	95	113	92	118	96	118	93	111	93	118	91	114	103	115	88	117	17
18	98	107	100	109	92	113	94	106	94	109	95	113	100	113	97	108	18
19	99	103	97	107	103	115	98	106	98	110	96	110	102	111	95	111	19
20	97	107	100	109	100	116	95	108	98	109	95	108	104	110	98	110	20
21	97	107	100	110	100	113	95	108	101	107	94	109	104	109	95	111	21
22	98	105	96	111	92	112	97	108	98	108	92	112	105	112	98	110	22
23	95	105	96	110	100	110	96	106	100	108	91	113	107	111	98	110	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

JULY 1915.

Day. / Hour.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d. N.	20d. E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.	Day. / Hour.
Midnight	98	110	99	101	98	105	98	106	94	105	94	106	94	106	95	103	Midnight
1h	100	109	97	105	98	105	98	104	96	104	96	104	93	107	96	103	1h
2	100	109	97	107	97	107	100	108	96	104	96	106	93	107	97	105	2
3	98	106	97	104	98	106	98	103	95	105	97	108	97	105	96	104	3
4	98	110	100	106	98	106	97	103	95	108	95	105	99	103	96	104	4
5	98	108	100	107	100	109	99	105	97	107	95	107	98	101	95	104	5
6	100	109	98	107	100	107	97	107	94	106	95	105	96	100	97	103	6
7	100	107	100	108	100	108	98	104	96	109	95	105	93	103	98	102	7
8	100	108	100	110	100	108	95	105	100	108	94	106	94	104	95	105	8
9	98	105	103	114	97	113	97	107	96	110	98	108	92	105	98	103	9
10	94	114	103	115	95	112	100	114	100	115	93	104	93	107	97	107	10
11	92	112	113	113	90	114	100	116	103	117	100	109	100	109	100	107	11
Noon	94	113	106	114	89	116	106	114	100	115	98	110	100	111	100	108	Noon
13h	97	116	100	114	96	119	97	115	98	112	98	112	92	108	95	92	13h
14	97	116	108	112	97	117	97	115	92	112	97	116	100	110	100	90	14
15	94	109	103	114	96	118	92	112	100	112	92	113	98	108	98	90	15
16	100	112	100	114	100	116	100	115	98	111	97	114	97	108	96	106	16
17	97	107	100	110	97	114	97	108	92	108	96	110	98	109	97	106	17
18	96	104	101	106	97	108	96	109	97	108	96	106	95	105	100	106	18
19	98	105	100	108	96	105	94	109	95	108	98	104	96	104	100	102	19
20	96	105	100	107	96	106	94	108	97	108	98	104	96	101	99	104	20
21	97	104	100	107	97	104	96	109	95	103	97	103	96	104	95	105	21
22	98	105	99	107	96	106	96	106	96	106	95	104	95	103	95	105	22
23	98	102	99	105	97	107	94	105	97	108	95	105	97	102	96	104	23

Day. / Hour.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	31d. N.	31d. E.	Mean. N.	Mean. E.	Day. / Hour.
Midnight	96	105	88	105	91	106	96	105	98	112	94	106	96	106	96·4	106·6	Midnight
1h	95	105	88	105	89	104	98	103	100	114	97	107	96	104	97·0	106·5	1h
2	95	105	89	105	100	103	96	105	94	106	97	107	93	107	97·3	106·1	2
3	96	104	87	100	93	98	97	104	96	106	97	107	90	104	96·8	105·5	3
4	98	103	88	102	95	102	94	106	100	111	96	104	93	100	97·3	106·1	4
5	97	103	92	102	91	100	97	107	94	106	94	109	91	104	96·9	106·1	5
6	98	102	96	101	94	105	94	109	94	109	98	104	92	100	97·3	105·7	6
7	96	103	98	103	95	103	95	107	95	108	101	103	104	100	97·9	106·3	7
8	98	102	93	107	86	109	96	104	95	107	95	108	105	102	96·9	107·2	8
9	99	102	91	98	89	116	93	110	92	112	100	112	96	102	96·5	109·5	9
10	102	98	88	108	90	114	94	114	96	119	93	107	96	109	96·3	111·9	10
11	106	98	85	110	95	113	88	118	93	118	91	109	97	103	96·8	112·8	11
Noon	99	94	82	112	89	116	89	111	96	121	94	114	94	114	96·8	113·8	Noon
13h	103	92	82	108	89	117	88	118	85	115	90	110	100	112	95·0	113·4	13h
14	103	94	85	106	87	120	94	115	86	121	96	118	96	109	96·2	110·5	14
15	103	96	77	109	93	111	85	115	100	114	91	113	105	108	96·3	111·7	15
16	103	105	76	110	89	111	100	118	89	116	89	111	92	108	95·9	112·4	16
17	101	103	84	110	93	111	95	111	93	110	97	116	95	107	96·0	111·0	17
18	100	103	88	108	93	107	91	109	94	108	89	111	98	104	96·1	107·5	18
19	98	102	93	103	92	107	91	109	93	110	92	108	96	104	96·9	106·8	19
20	98	102	94	101	93	107	92	108	95	111	97	113	96	103	97·3	107·2	20
21	98	103	89	105	90	107	91	109	96	108	96	107	97	103	96·6	106·9	21
22	93	104	89	107	98	105	91	109	90	110	94	106	96	102	95·8	106·8	22
23	94	102	92	108	97	107	96	109	91	109	95	105	96	102	96·8	106·6	23

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of JULY 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour. Mauritius Standard Time.	2d.	4d.	5d.	6d.	7d.	8d.	9d.	13d.	15d.	21d.	22d.	23d.	24d.	25d.	30d.	31d.	Hour. Mauritius Standard Time.
	points.	points.	points.	points.	points.	points.	points.	points.	points.	points	points.	points.	points.	points.	points.	points	
Midnight	4	6	6	8	7	2	4	5	6	4	4	4	3	5	4	5	Midnight
1h	6	4	12	9	7	4	3	7	5	4	4	4	3	4	6	4	1h
2	5	0	10	12	6	4	1	5	7	4	5	4	5	4	6	4	2
3	4	6	9	9	6	7	30*	6	5	4	6	5	4	4	6	2	3
4	5	2	6	8	7	7	2*	4	5	5	4	6	4	5	4	0	4
5	4	5	9	8	6	7	5	5	5	6	5	2	4	4	5	2	5
6	4	6	9	8	7	7	0	5	5	4	4	0	4	4	5	0	6
7	4	6	10	12	7	7	2	5	5	6	4	2	4	4	9	16**	7
8	4	6	9	8	8	7	5	5	5	8	4	3	4	4	5	14**	8
9	5	6	10	7	7	6	3	4	5	6	7	3	5	5	8	2	9
10	6	8	12	11	4	7	4	7	5	8	3	4	6	19*	4	6	10
11	5	8	10	11	9	7	4	7	6	9	8	8	8	18	4	4	11
Noon	5	8	10	9	10	8	4	8	6	8	7	8	8	25	6	6	Noon
13h	7	7	8	8	7	8	4	6	8	7	7	4	27**	22	4	8	13h
14	6	8	9	9	6	27**	4	7	9	5	7	8	24	22	7	6	14
15	6	12	9	10	8	30	6	5	10	8	5	7	25	21	5	11	15
16	6	11	9	10	8	31	6	6	10	7	7	6	5*	11**	4	4	16
17	8	8	9	8	8	31*	6	6	9	4	6	7	6	10	7	5	17
18	5	7	9	8	5	9	7	5	8	6	5	4	8	8	4	6	18
19	11	6	7	8	5	4	7	7	9	5	5	4	8	4	4	4	19
20	6	8	9	8	5	7	6	7	10	6	5	2	7	4	7	4	20
21	6	8	10	7	4	4	6	9	10	3	4	4	4	6	5	4	21
22	7	6	6	7	4	4	6	7	10	5	4	3	4	3	4	3	22
23	7	6	10	7	3	4	4	8	11	6	4	3	4	2	4	3	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of Three HOURS between 0h. and 21h. during the MONTH of JULY 1915.

Day of the Month.	9ins.								6ins.								3ins.							
	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1d	74·1	73·4	73·1	72·4	71·9	72·0	72·7	73·3	74·2	72·1	71·1	70·4	70·8	71·7	73·0	72·7	69·2	69·2	67·6	67·7	74·5	76·7	75·2	72·0
2	73·3	72·7	72·1	72·1	71·7	71·7	72·0	72·3	72·1	71·3	70·6	70·4	70·5	71·0	72·0	72·0	70·3	69·1	68·1	68·6	70·8	73·0	76·9	71·8
3	72·5	72·2	71·9	71·5	71·5	72·0	73·0	73·7	71·7	71·1	70·5	70·3	70·6	72·2	74·1	74·0	70·4	69·2	68·3	68·4	69·0	79·0	78·1	74·2
4	73·7	73·2	72·6	71·9	71·4	71·8	72·7	73·7	72·8	71·8	70·8	70·0	70·0	72·2	73·8	73·7	70·8	65·1	63·5	67·1	72·6	79·8	77·7	73·9
5	73·7	73·1	73·0	72·5	72·5	72·8	73·5	74·2	72·8	72·2	71·7	71·5	71·8	73·1	74·4	74·5	71·4	70·7	70·0	70·2	75·0	79·0	77·9	75·3
6	74·3	74·0	73·6	73·2	72·9	73·3	73·9	74·6	74·0	73·1	72·6	71·9	72·4	73·9	75·2	75·3	73·0	72·5	70·8	70·3	75·4	79·5	78·8	75·5
7	75·2	74·3	73·8	73·4	73·1	73·4	74·5	75·2	74·1	73·5	72·6	72·2	72·8	74·4	75·9	75·8	72·2	71·2	70·2	70·2	78·3	82·2	79·7	76·0
8	75·2	74·6	73·8	73·5	73·1	73·4	74·1	74·5	74·8	73·4	72·2	71·7	72·1	73·9	74·6	74·4	73·2	70·4	69·0	69·6	76·4	78·1	76·7	73·5
9	74·3	73·7	73·1	72·4	72·0	72·3	73·3	74·3	73·1	72·3	71·3	70·4	70·5	72·3	74·4	74·9	69·4	68·5	67·1	67·1	74·0	79·6	79·8	75·1
10	74·5	73·2	73·0	72·8	72·4	72·5	73·7	74·3	73·7	72·4	71·4	71·1	71·1	72·3	75·1	76·1	71·7	69·5	68·3	68·5	72·8	78·5	77·7	74·2
11	74·2	73·6	73·0	72·4	72·1	72·4	73·3	74·0	73·1	72·2	71·1	70·8	70·5	72·3	73·8	73·9	71·2	69·2	67·9	67·4	72·1	78·4	77·4	74·3
12	73·9	73·4	72·9	72·4	71·8	72·1	72·9	73·6	73·0	72·2	71·3	70·5	70·5	72·0	73·5	73·6	71·4	69·4	67·9	67·6	73·2	77·4	76·4	73·5
13	73·8	73·3	72·8	72·5	72·2	72·4	73·7	73·8	73·0	72·2	71·4	71·1	71·4	72·9	74·6	74·3	71·5	70·2	69·2	69·3	73·9	79·3	78·1	74·2
14	74·1	73·2	73·0	72·7	72·5	72·7	73·4	74·0	73·5	72·7	71·8	71·3	71·3	73·0	74·4	74·3	71·7	70·6	68·8	69·1	73·2	78·7	77·3	73·8
15	74·1	73·3	72·7	72·0	71·5	72·1	73·2	74·1	72·4	71·9	70·7	69·8	70·1	72·3	75·8	75·1	69·5	68·6	67·0	66·8	73·6	79·8	79·4	75·7
16	74·1	74·1	73·8	72·5	72·2	72·4	73·1	73·9	74·0	73·0	71·3	70·7	71·2	72·6	74·0	73·9	72·4	70·8	68·2	68·8	73·8	78·4	77·9	73·5
17	73·8	73·2	72·5	72·2	71·8	72·3	73·1	73·9	72·9	71·9	70·8	70·4	70·3	72·7	74·0	74·1	70·8	69·1	67·4	67·4	71·8	80·2	78·6	74·2
18	74·0	73·3	72·6	72·3	72·1	72·3	73·4	74·1	73·0	71·9	71·2	71·0	71·1	72·7	74·0	74·9	70·8	69·1	68·7	69·5	73·4	79·8	79·5	75·2
19	74·1	73·7	72·9	72·4	72·0	72·3	73·5	74·4	73·1	72·4	71·3	71·8	70·6	73·4	75·5	75·2	71·2	69·2	67·5	67·4	73·6	80·2	79·7	75·9
20	74·4	74·0	73·4	72·5	72·3	72·4	73·4	74·2	73·9	73·0	72·1	71·7	71·3	72·9	74·1	75·2	72·7	70·5	69·1	69·1	73·8	79·2	78·2	75·6
21	74·1	73·7	73·1	72·3	71·9	72·2	72·7	73·2	73·1	72·5	72·8	71·0	71·0	72·5	73·3	73·2	71·2	69·8	68·7	68·5	72·9	76·0	75·5	72·2
22	73·1	72·4	71·9	71·5	71·3	71·5	72·3	73·0	72·2	71·2	70·6	70·1	70·2	71·5	73·3	73·3	69·3	67·9	67·3	67·4	72·3	76·8	76·8	72·8
23	73·0	72·1	71·2	70·4	70·0	70·6	71·6	72·8	72·0	70·9	69·5	68·5	68·6	71·1	73·1	73·4	68·9	66·7	64·3	64·8	71·7	79·6	79·1	74·2
24	72·0	72·2	71·1	70·8	70·3	70·7	72·2	73·0	72·9	71·9	69·2	68·8	68·5	70·8	73·2	73·5	68·6	66·8	64·2	64·7	70·5	77·8	78·0	74·4
25	73·0	72·5	72·0	70·9	70·6	70·9	72·1	72·6	72·0	71·3	70·4	69·1	69·7	71·3	72·4	72·4	69·6	68·0	66·5	66·6	73·1	75·9	74·6	72·5
26	72·2	72·2	71·5	71·0	70·5	70·9	71·8	72·5	72·1	71·2	70·1	69·5	69·5	71·2	72·7	71·4	71·2	67·9	66·1	65·8	72·5	77·5	76·5	71·8
27	72·4	71·8	71·2	70·8	70·3	70·5	71·4	72·0	71·6	70·7	69·8	69·3	68·9	70·1	71·5	71·7	69·4	68·0	66·2	65·7	70·4	74·7	74·5	71·4
28	72·0	71·4	70·9	70·4	70·1	70·3	70·9	71·5	70·9	70·1	69·5	68·9	68·8	70·0	70·9	71·2	69·0	67·6	66·8	66·2	69·2	73·8	74·0	71·5
29	71·5	71·2	70·6	70·4	70·1	70·3	71·4	72·0	70·6	70·0	69·3	69·1	69·0	70·5	72·1	72·2	69·3	68·0	66·4	66·5	71·5	76·5	75·6	72·5
30	71·2	71·5	71·0	70·7	70·3	70·6	71·4	72·2	70·2	70·6	69·9	69·4	69·4	70·8	72·3	72·7	69·6	67·9	67·1	67·1	71·3	76·1	76·9	73·3
31	72·3	71·8	71·3	71·1	71·0	70·7	71·1	71·7	71·7	70·9	70·1	69·8	69·7	70·6	71·6	71·8	70·4	68·6	67·4	67·2	69·4	74·0	70·9	71·2
Mean	73·52	73·01	72·46	71·96	71·61	71·89	72·77	73·47	72·75	71·89	70·96	70·42	70·48	72·08	73·65	73·71	70·68	69·00	67·59	67·76	72·78	77·92	77·20	73·41

* Direct. ** Retrograde § A complete revolution retrograde between 12.30 and 12.45.

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of JULY 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.			River System No. 4.			River System No. 5.			
	Grand Gaube.	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte.*	Riche Fund.	Constance d'Arifat.	St. Julien. P.O.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
July 1d		0·05	0·12	0·05	...	0·02	0·10	...	0·03	0·24	...	...	0·05	0·09	0·09	0·10
2		0·20	0·36	0·14	0·08	0·09	0·16	0·02	0·31	0·54	0·15	0·11	1·35	0·41	0·43	...
3		0·60	0·02	0·61	0·02	0·25	0·24	0·33	0·27	...	0·31	0·09	0·43	0·43	0·90	...
4		...	0·26	0·01	0·10	0·06	0·04	0·03	...	0·54	0·09	...	0·06	...	...	0·46
5		0·22	0·42	0·16	0·07	0·22	0·18	0·15	0·24	0·24	0·31	0·22	0·45	0·25	0·45	0·48
6		0·21	0·04	0·26	0·31	0·31	0·20	0·05	0·20	...	0·34	0·17	0·27	0·29	0·32	...
7		...	...	0·58	...	0·12	...	0·03	...	...	...	...	...	...	...	...
8		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9		0·03	...	...	...	...	...	...	...	0·05	...	...	...	...	...	...
10		...	...	...	0·02	...	...	...	0·02	...	0·05	...	...	...	...	...
11		...	0·18	...	...	...	...	...	0·03	0·45	...	...	...	...	...	...
12		0·11	0·16	0·13	0·05	0·18	0·12	0·12	0·09	0·30	0·09	...	0·18	...	...	...
13		0·08	0·20	0·35	0·13	0·12	0·24	0·06	0·44	0·30	0·15	0·36	0·12	...	0·08	...
14		0·05	0·01	0·19	0·17	0·22	0·26	0·06	0·08	0·22	...	0·10	0·06	...	...	...
15		0·14	0·28	0·04	0·01	0·03	0·04	0·02	0·02	0·24	...	...	0·05	...	...	0·45
16		0·07	...	0·59	0·84	0·47	0·32	0·06	0·38	0·23	0·30	0·05	1·06	0·35	0·26	...
17		...	0·09	...	...	...	...	...	...	0·47	...	...	0·19	...	...	0·50
18		0·05	...	0·15	0·05	0·17	0·32	0·23	0·34	...	0·33	1·06	...	0·80	0·73	...
19		...	...	0·03	...	...	...	...	...	...	0·57	...	0·72	0·15	0·05	0·10
20		0·03	0·12	...	0·11	0·04	0·02	...	0·19	0·50	...	...	0·08	0·11	0·08	0·08
21		...	0·12	0·32	0·14	0·16	0·20	0·09	0·22	0·69	0·35	0·20	0·14	0·25	0·20	0·09
22		0·15	0·08	0·15	0·05	0·17	0·24	0·15	0·11	0·15	0·45	0·10	0·30	0·16	0·20	...
23		0·03	...	0·12	0·02	0·16	0·12	0·19	0·12	...	0·09	0·18	0·14	0·10	0·37	...
24		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25		...	0·12	...	...	...	...	...	...	0·04	...	...	...	...	...	0·13
26		0·06	...	0·06	0·14	0·04	0·04	...	0·12	...	0·12	0·06	0·10	0·15	0·29	0·10
27		0·06	...	0·05	...	0·05	0·12	0·07	0·15	0·17	...	0·11	...	0·20	0·06	...
28		...	...	...	...	...	...	...	...	0·09	...	...	...	...	...	...
29		...	...	0·02	0·06	0·02	0·04	...	0·05	0·16	...	...	0·13	...	...	...
30		...	...	0·12	0·12	0·22	0·12	0·17	0·18	0·28	0·15	...	0·06	...	0·17	...
31		0·22	0·17	0·06	0·08	0·36	0·22	0·10	0·27	0·42	0·22	0·25	0·06	0·15	...	0·18
Total ...	...	2·36	2·75	4·19	2·55	3·48	3·34	1·93	3·86	6·32	4·07	3·06	6·00	3·89	4·68	2·67

Register not received.

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of JULY 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarraque.	Beau Bois.	Bel Ombre.	Chamarel.	Clarens.	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	*ins.*	*ins.*	*ins.*	*ins.*	*ins.*	*ins.*	*ins.*	*ins.*	*ins.*	*ins.*	*ins.*	*ins.*	*ins.*	*ins.*	
July 1d	0·08	0·11	0·30	0·14	0·12	...	...	...	...	0·02	0·12	...	0·01	0·05	0·04	...
2	0·17	0·62	1·10	0·14	0·60	0·40	...	...	...	...	0·22	...	...	0·27	0·15	...
3	0·07	0·24	0·25	0·13	0·13	...	...	...	...	0·04	0·17	...	0·01	0·06	0·05	...
4	0·06	0·09	0·10	...	0·11	...	...	...	...	0·10	0·15	...	...	0·40	...	...
5	0·38	0·36	0·27	0·70	0·33	0·20	...	...	...	0·09	0·27	0·30	0·11	0·19	...	...
6	0·43	0·69	...	0·38	0·22	0·08	...	...	...	0·02	0·09	...	0·16	0·10	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	0·01	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	0·01	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	0·10	0·02	...	...
10	0·02	...	0·07	...	0·04	...	0·11	...	...	...	0·15	0·20	0·08	0·10	0·05	...
11	...	...	0·03	...	...	...	...	...	...	...	0·09	...	...	0·17	0·08	...
12	0·02	...	0·30	...	0·05	...	...	...	...	0·22	0·41	...	0·08	0·08	0·15	...
13	0·08	0·14	0·15	...	0·08	...	0·06	...	...	...	0·20	...	0·04	0·03	...	...
14	...	0·09	0·04	...	...	0·02	...	...	...	0·02	0·08	...	0·01	0·50	0·20	...
15	0·13	...	0·04	...	0·50	...	...	...	...	...	0·16	...	0·01	0·26	0·05	...
16	...	1·09	1·75	0·60	...	0·31	0·68	...	...	0·30	0·85	0·20	0·07	...	0·10	...
17	...	0·19	0·11	...	0·25	...	0·03	...	...	0·22	0·07	...	0·01	...	...	...
18	0·32	0·78	0·55	0·70	0·50	...	0·11	...	...	0·06	0·19	...	...	0·30	...	...
19	0·02	...	0·03	...	...	0·12	...	...	...	...	...	...	0·04	...	...	0·11
20	0·06	0·07	0·10	...	0·06	...	...	...	...	...	0·12	...	0·04	0·36	0·10	...
21	...	0·09	0·08	...	0·07	0·15	...	...	...	0·08	0·18	0·15	0·09	0·27	...	0·05
22	0·28	0·48	0·45	0·19	0·29	0·25	...	...	...	0·06	0·24	0·10	0·01	0·08	0·10	...
23	...	...	0·05	...	...	...	...	...	...	...	0·07	...	0·01	...	...	0·02
24	...	...	...	...	...	...	...	...	...	...	...	...	0·01	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	0·03	...	...
26	0·14	0·16	0·25	0·25	0·19	0·07	0·10	...	...	0·03	0·14	...	0·01	0·18	0·10	...
27	...	0·31	0·30	...	...	...	0·21	...	...	0·08	0·31	...	...	...	0·10	...
28	...	...	...	...	...	...	...	...	...	...	0·05	...	...	0·03	...	...
29	0·03	0·05	0·07	...	0·03	...	0·06	...	...	...	0·09	...	0·01	0·22	0·01	...
30	0·08	0·40	0·10	...	0·12	0·22	0·21	...	...	0·30	0·42	0·10	0·02	0·30	0·04	...
31	...	...	0·04	...	...	0·07	...	...	...	0·15	0·07	...	0·06	0·20	0·05	...
Total ...	2·37	5·96	6·53	3·23	3·69	1·89	1·57	...	...	1·79	4·91	1·05	1·01	4·20	1·37	0·18

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.

JULY 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending \ Day.	1d.	2d.	4d.	5d.	6d.	11d.	13d.	14d.	15d.	16d.	18d.	20d.	21d.	22d.	25d.	28d.	29d.	30d.	31d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	·030	...	·010	...	...	...	...	·070	...	...	...	...	...	...	...	...	...
2	·015	...	...	·070	...	...	...	·005	...	·060	·015	...	...	...	...	...	·025	...	...
3	...	...	...	..	...	...	·005	·020	...	·005	...	·010	...	...	...	...	..	...	...
4	...	...	...	...	...	.	·010	·005	...	·010	·040	...	·005	...	...	...	...	·010	·010
5	...	...	...	·060	...	...	...	·060	...	·030	...	...	·005	...	...	...	...	...	...
6	...	...	...	...	...	...	·080	·050	...	·440	...	...	·010	...	...	...	...	·025	...
7	...	...	·010	...	·200	...	·005	...	...	·060	·030	·015	·005	·005	...	...	...	·005	...
8	...	...	...	·010	·100	...	...	...	...	..	...	·005	...	...	...	...	...	·005	...
9	...	·015	...	...	...	...	...	...	...	...	...	·035	...	·005	...	...	...	...	...
10	·035	...	...	...	...	...	...	...	...	...	...	·005	·005	...	...	...	...	·030	...
11	...	·035	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	·015	...	...	...	...	...	...	...	...	...	...	...	·050	...	...	...	...	...
13h	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	·020	...	...	...	...	...	...	...	...	...	...	·005	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·020
16	...	...	...	...	...	...	...	...	...	...	...	...	·005	...	...	·005	...	...	...
17	...		...	...	...	...	...	...	...	...	...	...	...	...	·175	...	...	...	...
18	...	...	·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	·015	...	...	...	...	...	...	...	...	·005	...	·035	...	...	...	...
20	...	...	...	·025	...	·010	·050	...	...	...	...	...	...	...	·020	...	...	...	...
21	...	·030	...	...	...	·010	...	...	·140	...	...	·110	...	...	...	...	·015	...	...
22	...	...	...	...	...	·005	..	...	...	...	...	·020	...	...	...	...	·005	...	...
23	...	...	...		...	...	·005	...	·050	...	...	...	...	...	...	...	·005	...	...
Midnight	...	...	...	·050	...	...	·005	...	...	...	...	...	...	...	...	...	·025	...	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1d.	2d.	3d.	4d.	5d.	10d.	13d.	15d.	16d.	17d.	18d.	20d.	21d.	22d.	25d.	26d.	27d.	29d.	30d.	31d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	·01	...	..	·09	...	...	...	·02	...	·03	...	...	...	...	...	·01	...	...	...
2	...	·12	...	...	·04	...	...	...	...	...	·04	...	...	...	...	...	...	·02	...	...
3	...	·01	...	...	·01	...	...	...	·02	·02	·14	...	...	...	...	...	...	...	...	...
4	...	·02	...	...	·11	...	...	...	·15	·09	·06	...	·01	·03	...	...	...	·01	...	...
5	...	·10	...	...	...	...	...	...	...	...	·06	·02	...	·02	...	...	...	...	...	...
6	·01	·06	...	...	...	...	...	...	·01	...	·08	...	...	·02	...	...	·01	...	·02	...
7	...	·08	·01	...	...	...	...	...	...	...	·02	·02	...	·03	...	·06	...	...	...	...
8	·03	·06	...	·01	·01	...	...	...	...	...	...	·04	...	...	...	·03	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	·03	·06	...	...	...	...	...	...	...
10	·01	·02	...	...	...	...	...	...	...		...	...	...	·01	...	...	...	...	...	·01
11	·06	...	...	...	...	..	...	...		...	.	...	·02	...	...	·02	...	·02	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·01
13h	...	...	...	...	...	·10	...	...	...	...	...	...	·02	...	...	...	...	...	...	..
14	·06	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	·02
15	...	...	...	...	...	...	...	·01	...	...	...	·01	·02	...	...	...	...	...	...	·04
16	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17		...	...	...	...	...	·10	...	...	...	...	·01	...	...	...	...	...	...	...	...
18	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	·08	...	...	...	...	...
19	...	...	.		·12		.	...	..	...	...	...	...	...	·01	...	...	...	...	...
20	...	...	...	...	·14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	..	...	...	...	·05	...	...	...	...	...	...	...	·01	...	...	...	...
22	...	...	...	...	...	...	...	·02	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	·03	...	...	...	...	·02	...	...	...	...	...	...	...	·01	...	...	...	...
Midnight	...	...	·03	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	·02	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of JULY, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	2·69	1·96	18
	2	Union	200	2·98	2·24	15
	3	St. Antoine ...	50	2·36	2·52	18
	4	Bel Mont	50	2·72	3·14	18
	5	Poudre d'Or ...	20	2·50	3·50	20
	6	Poudre d'Or Hospital	10	2·34	2·95	8
	7	Mon Loisir (R) ...	300	3·08	3·09	15
	8	Mon Loisir (S.E.) ...	300	3·25	3·66	17
	9	Forbach	300	2·55	1·51	16
	10	Labourdonnais ...	290	2·75	2·33	17
	11	Beau Séjour ...	300	4·19	4·55	22
	12	Mont Piton ...	860	6·02	5·04	22
	13	Mon Choix... ...	700	4·85	4·37	...
	14	Antoinette	640	3·90	4·02	19
	15	California	850	2·02	4·25	15
	16	Nouvelle Découverte	1,400	3·48	4·35	22
	17	Mon Songe... ...	620	4·63	4·35	26
	18	La Grande Rosalie ...	643	2·87	4·20	16
	19	The Mount § ...	325	4·44	3·37	16
	20	Botanic Gardens ...	225	2·57	3·16	20
	21	Beau Plan ...	195	2·77	2·60	14
	22	The Observatory ...	179	2·75	2·64	20
	23	Solitude	175	1·97	1·71	9
	24	St. André	90	2·43	2·10	8
	25	Belle Vue Harel ...	350	2·94	2·01	16
	26	Mont Choisy ...	10	2·65	2·24	13
	27	Belle Vue Pilot* ...	...	2·80	...	16
2&3	1	Union (Régnard) ...	600	2·40	4·68	19
	2	La Grande Retraite..	350	3·88	4·95	18
	3	Constance d'Arifat...	100	1·93	3·94	18
	4	St. Julien P.O. ...	1,050	3·86	4·33	22
	5	Rich Fund * ...	600	3·34	...	21
	6	Constance (Manès)*	...	2·71	...	15
4	1	Sans Souci	900	6·32	9·50	21
	2	Etoile	400	4·07	6·97	17
	3	Beau Champ ...	20	3·06	2·82	14
	4	Belle Rive * ...	400	4·57	...	16
	5	Olivia *	400	3·42	...	11
	6	Deep River* ...	350	3·95	...	16
5	1	Rose Belle* ...	850	6·00	...	21
	2	Cent Gaulettes ...	500	5·50	7·46	20
	3	St. Hubert§ ...	400	...	...	...
	4	Riche-en-Eau ...	460	3·89	5·57	15
	5	Ferney	20	4·68	5·28	16
	6	Beau Vallon (R) ...	60	2·67	3·52	11
	7	Union Vale	200	4·51	4·04	8
	8	Mon Désert(Carié).*	75	2·82	2·95	17
	9	Riche Bois	1,420	5·65	6·30	31
	10	Cluny	1,000	4·94	9·04	12
6	1	Kanaka	2,000	7·46	9·35	23
	2	Tivoli ...	1,300	5·56	7·56	20
	3	La Flora*	1,050	6·53	...	24
	4	Britannia (No. 1)...	730	5·96	6·64	18
	4 a	Britannia (No. 2)†*	600	3·10	...	20
	5	Gros Bois	500	3·63	5·79	21
	6	Savannah (Residence)	200	2·27	6·05	10
	7	Savannah, (Mill) ...	200	2·65	5·50	14
	8	St. Aubin	300	2·37	4·71	17
	9	Union Bel Air ...	90	2·73	4·59	14
	10	Beau Bois	350	3·69	6·45	18
	11	Labarracq * ...	250	3·23	...	9
	12	St. Avold * ...	900	5·45	...	14
	13	Terracine	100	2·20	3·33	12
7,8&9	1	Bel Ombre * ...	50	1·93	...	13
	2	Chamarel ...	400	1·57	5·48	9
10		No returns ...				
11	1	Les Gorges... ...	...	1·76	2·59	16
	3	Curepipe Gardens ...	1,840	3·14	7·96	23
	4	Mare-aux-Vacoas ...	1,850	4·91	10·17	25
	5	La Marie Filter Bed	1,700	2·82	6·22	23
	6	Réunion	1,420	1·79	5·52	16
	7	Tamarin §	150	...	...	...
	8	Clarens §	150	...	...	...
12	1	The Manse ...	850	0·72	2·14	16
	2	The Bower	1,080	1·31	3·31	23
	3	Le Réduit (D.of A.)	1,000	1·01	2·90	24
	4	Alma	1,460	4·20	7·71	23
	5	Minissy	1,150	1·95	3·74	13
	6	Bagatelle ...	1,250	2·69	5·24	21
	7	Highlands	1,300	3·13	4·07	24
	8	Trianon	950	1·60	2·76	13
	9	Saleney	923	1·05	2·35	6
	10	Military Camp (V.)..	1,370	1·37	4·49	16
	11	La Ferme ...	350	0·23	...	4
	12	Bon Air	1,050	1·40	3·00	12
	13	Val Ory	1,100	1·51	3·23	27 ?
	14	Pieter Both (Este.)*	...	2·71	...	14
	15	Roslyn Cot. (Este.)*	...	2·23	...	10
	16	Agrément (Estate) *	...	3·32	...	11
	17	Circonstance (Ete.)*	...	2·85	...	10
13	1	Salines(Roche Bois)§	10	...	...	...
	2	The Albion Dock ...	18	0·35	0·95	4
	3	Line Barracks ...	10	1·18	1·96	10

* Normals not available § Record not received † Bon Accueil.

196

NEW SERIES (MONTHLY). VOL. I. PART 8. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

LIBRARY
DEC 22 1915
Weather Bureau

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

AUGUST, 1915.

A. WALTER, F. R. A. S.
DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.
PRINTED AT THE GOVERNMENT PRESS.
1915.

ERRATA—AUGUST 1915.

Page.						
(iii)	Columns 21 & 22	30th.	*for*	−11·7 +8·1	*read*	−11·6 +8·2
	Column 33	7th.	,,	67°·23	,,	68°·48
		Mean	,,	71·78	,,	71·82

(ix)	30d.	11h.	*for*	28·1	*read*	21·7
		12	,,	12·1	,,	18·5
	Mean	11h.	,,	17·3	,,	17·1
		12	,,	17·1	,,	17·3

(xi)	30d.	11h.	*for*	80—120	*read*	85—115
		12	,,	95—111	,,	93—117
	Mean	11	,,	90·3—113·6	,,	90·5—113·4
		12	,,	90·9—113·8	,,	90·8—114·0

TABLE XI— 3ins. —

(xii)		7d. 3h.	*for*	60·3	*read*	65·3
		Mean 3h.	,,	68·32	,,	68·48
		7d. 6h.	,,	58·1	,,	63·1
		Mean 6h.	,,	66·62	,,	66·78

NEW SERIES (MONTHLY). VOL. I. PART 8. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

AUGUST, 1915.

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1915.

Month and Day. 1915.	Barometric Pressure. Mean	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
Aug. 1	29·964	−·040	72·7	64·8	7·9	68·1	+0·6	63·7	60·4	+ 1·0	76	+ 1	·524	55·8	0·000	...	·170	9·0
2	30·024	+·020	75·6	64·6	11·0	68·9	+1·4	62·3	57·0	− 2·4	66	− 9	·464	58·5	0·000	...	·190	4·1
3	30·073	+·069	72·6	56·4	16·2	65·6	−2·0	58·1	52·1	− 7·3	62	−13	·388	48·0	0·000	...	·130	6·5
4	30·039	+·035	72·8	57·6	15·2	65·3	−2·3	59·4	54·5	− 4·9	68	− 7	·424	53·1	0·005	5	·165	5·5
5	29·988	−·016	74·9	58·8	16·1	65·4	−2·2	60·8	56·9	− 2·4	74	− 1	·463	50·0	0·000	...	·150	3·4
6	29·938	−·066	74·8	54·2	20·6	64·7	−2·9	59·1	54·4	− 4·9	70	− 5	·423	46·6	0·000	...	·120	3·0
7	29·945	−·059	73·7	55·3	18·4	64·0	−3·6	59·3	55·2	− 4·1	73	− 2	·435	53·4	0·005	5	·125	4·3
8	29·997	−·007	73·8	56·6	17·2	64·5	−3·1	59·9	56·1	− 3·2	74	− 1	·450	51·1	0·015	5	·165	5·6
9	29·990	−·014	74·0	58·6	15·4	64·9	−2·7	59·0	54·1	− 5·2	68	− 7	·418	51·6	0·000	...	·160	4·0
10	29·982	−·022	74·4	56·6	17·8	65·1	−2·5	59·3	54·6	− 4·7	69	− 6	·426	48·4	0·000	...	·150	2·7
11	29·990	−·014	74·8	59·9	14·9	66·6	−1·1	61·5	57·2	− 2·1	72	− 3	·468	51·3	0·000	...	·140	5·8
12	30·002	−·002	75·6	54·3	21·3	65·3	−2·4	59·4	54·4	− 4·9	68	− 7	·423	46·8	0·000	...	·130	2·3
13	29·997	−·007	75·9	55·4	20·5	66·0	−1·7	58·5	52·2	− 7·1	61	−14	·390	46·2	0·000	...	·170	1·5
14	29·960	−·044	75·5	57·2	18·3	65·5	−2·2	58·6	52·9	− 6·3	64	−11	·400	48·4	0·000	...	·170	1·8
15	29·964	−·040	76·6	57·8	18·8	67·1	−0·7	59·9	54·2	− 5·0	63	−11	·420	48·2	0·000	...	·180	0·8
16	30·007	+·003	76·3	61·1	15·2	68·5	+0·7	62·6	57·9	− 1·3	69	− 5	·480	52·0	0·000	...	·160	1·6
17	30·027	+·023	76·6	66·5	10·1	70·0	+2·2	65·5	61·8	+ 2·6	76	+ 2	·551	61·1	0·020	35	·140	8·2
18	30·002	−·001	75·3	61·6	13·7	68·3	+0·4	62·6	58·1	− 1·0	70	− 4	·483	52·0	0·005	5	·185	4·2
19	29·960	−·043	75·6	56·6	19·0	66·7	−1·2	61·4	57·1	− 2·0	71	− 3	·466	49·6	0·000	...	·160	5·4
20	29·960	−·043	76·2	60·7	15·5	67·1	−0·8	60·6	55·4	− 3·7	66	− 8	·438	51·5	0·000	...	·160	2·9
21	29·935	−·068	72·8	55·7	17·1	63·5	−4·5	58·7	54·6	− 4·5	73	− 1	·426	49·1	0·080	55	·140	5·6
22	29·945	−·058	74·3	54·0	20·3	65·2	−2·8	58·1	52·2	− 6·9	63	−11	·390	45·7	0·000	...	·200	3·4
23	29·969	−·033	74·6	57·9	16·7	66·7	−1·3	60·7	56·1	− 3·1	69	− 5	·450	47·7	0·000	...	·180	5·4
24	29·984	−·018	73·6	63·7	9·9	67·5	−0·6	63·5	60·1	+ 0·9	78	+ 5	·519	59·0	0·090	100	·190	7·4
25	30·005	+·003	76·2	63·9	12·3	68·0	−0·1	63·9	60·6	+ 1·4	77	+ 4	·528	60·4	0·150	90	·200	7·5
26	30·008	+·007	74·8	66·6	8·2	69·8	+1·6	66·9	64·8	+ 5·6	84	+11	·612	61·7	0·055	125	·135	9·0
27	30·007	+·006	76·6	61·8	14·8	69·8	+1·6	64·6	60·5	+ 1·3	73	0	·526	59·2	0·000	...	·190	6·3
28	29·964	−·037	76·7	61·2	15·5	68·2	−0·1	61·7	56·7	− 2·5	67	− 6	·459	53·2	0·000	...	·080	3·8
29	29·889	− ·111	75·5	57·4	18·1	67·4	−0·9	62·1	57·6	− 1·6	71	− 2	·475	50·9	0·000	...	·100	3·9
30	29·911	−·089	76·9	60·8	16·1	69·4	+1·0	61·8	56·0	− 3·2	62	−11	·448	52·2	0·025	20	·195	4·0
31	29·950	−·050	75·7	65·8	9·9	69·4	+1·0	65·9	63·1	+ 3·9	81	+ 8	·577	57·0	0·330	245	·150	8·8
Mean	29·980	−·023	75·0	59·5	15·5	66·8	+1·1	61·3	56·7	− 2·5	70·3	−3·9	·463	52·3	Sum 0·780	Sum 690	·157	4·8
Average	30·003	...	75·6	61·6	14·0	67·9	...	63·0	59·2	...	74·2	...	·503	55·7	2·482	1576	·155	5·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of August.

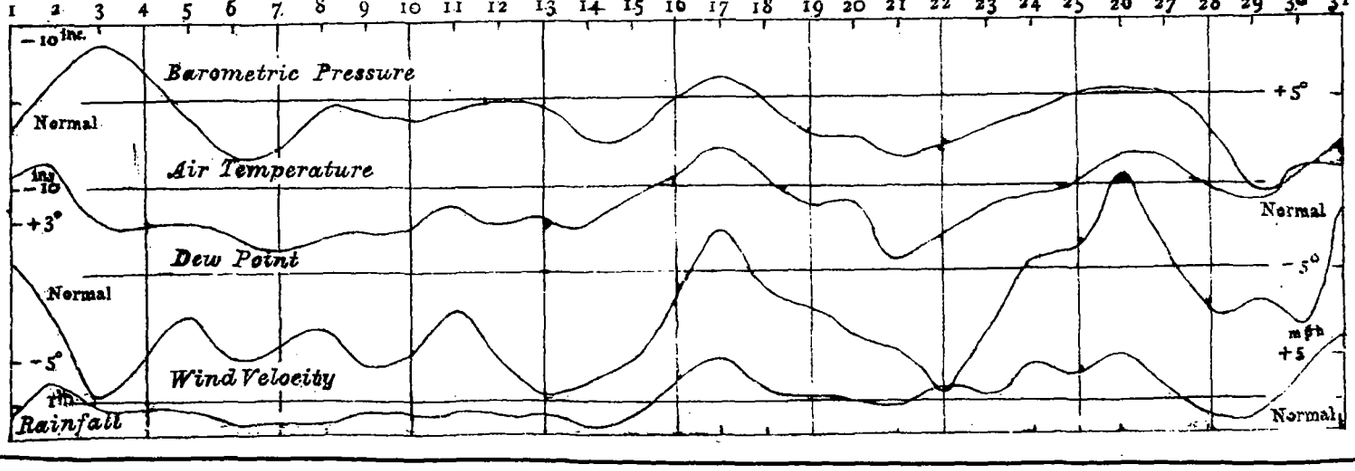


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1915.

Month and Day. 1915.	Duration of bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches.	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
Aug. 1	0·2	0	− 7·5	+ 5·5	36	9·3	− 30	− 1·8	9·6	− 2·3	77·5	76·1	71·19	70·70	70·62	c.g.
2	10·1	90	− 9·7	+ 9·6	45	13·6	− 21	+ 2·5	13·9	+ 2·0	77·5	76·0	71·72	71·32	72·11	c. : f. : b.
3	5·2	46	− 5·2	+ 8·7	59	10·1	− 7	− 1·0	10·4	− 1·5	77·5	76·3	71·40	70·38	69·28	b. : f.: c. : o.
4	7·8	70	− 6·0	+ 8·0	53	10·0	− 14	− 1·1	10·4	− 1·5	77·4	76·0	71·09	70·52	71·00	o : cd: c :f.q.: b.
5	8·9	80	− 3·3	+ 9·5	71	10·1	+ 4	− 1·0	10·5	− 1·5	77·4	76·0	70·91	70·11	69·98	b. :f.:c. : f.q.: b.
6	7·4	66	− 6·8	+ 4·5	34	8·2	− 33	− 2·9	8·9	− 3·1	77·9	76·3	70·76	69·78	69·29	b. : f. : c.g.: f.: b
7	3·8	34	− 7·5	+ 4·7	32	8·8	− 35	− 2·3	9·2	− 2·8	77·3	76·0	70·15	69·12	67·23	b. :f.: c.g.d.: f.: b.: f.
8	8·1	72	− 5·9	+ 5·8	44	8·3	− 23	− 2·8	8·6	− 3·5	77·7	76·1	70·30	69·65	70·18	c.p. : f.
9	8·6	76	− 6·4	+ 7·8	51	10·1	− 16	− 1·1	10·4	− 1·7	77·4	75·7	70·70	70·19	70·63	c. : f.q. : b.
10	8·9	79	− 4·9	+ 8·7	61	10·0	− 6	− 1·2	10·4	− 1·7	77·4	75·7	70·70	69·77	69·51	b. : f. : b.
11	4·5	40	− 6·1	+ 7·9	52	10·0	− 15	− 1·2	10·2	− 2·0	77·3	75·7	71·02	70·43	70·95	f.: c.g.: c. : f.: b.
12	8·8	78	− 7·0	+ 6·8	44	9·8	− 23	− 1·4	9·9	− 2·3	77·3	75·6	71·17	70·47	70·47	b. : f. :c.q.: b.
13	10·7	95	− 6·7	+ 7·0	46	9·7	− 21	− 1·5	9·9	− 2·4	77·5	75·8	71·17	70·55	71·46	f. : b.
14	8·6	75	− 6·2	+ 5·5	41	8·3	− 27	− 2·9	8·6	− 3·7	77·3	75·5	71·60	70·80	70·88	b.: f. : b.
15	11·1	97	− 6·2	+ 7·3	50	9·6	− 18	− 1·6	9·9	− 2·5	77·3	75·5	71·47	70·93	71·74	b.
16	10·9	96	− 8·2	+10·7	52	13·5	− 16	+ 2·3	13·7	+ 1·3	77·1	75·3	72·54	72·10	73·36	b.: f.q. : b.
17	6·9	60	− 8·7	+14·3	59	16·8	− 9	+ 5·6	17·4	+ 4·9	77·5	75·8	73·19	72·97	74·27	c.q.: c.q.p.:c.g.q.: c.g.
18	10·4	91	− 7·1	+10·7	56	12·8	− 12	+ 1·6	12·9	+ 0·4	77·1	75·3	73·34	72·96	74·28	f : c.q.: f. : b.
19	9·2	81	− 7·7	+ 9·3	50	12·1	− 18	+ 0·9	12·4	− 0·1	77·1	75·4	73·10	72·54	73·20	b. : f. : c. :c.g.q.:f.q.: c.q.: c.
20	9·9	87	− 9·6	+ 6·0	32	11·3	− 36	+ 0·1	11·6	− 1·0	77·0	75·3	73·35	73·11	74·31	b: : f.
21	5·0	44	− 7·8	+ 7·1	42	10·5	− 26	− 0·7	11·0	− 1·6	77·1	75·4	72·57	71·65	71·00	f. : c.g.p.: c. : f.q.
22	10·7	93	− 7·6	+10·7	54	13·1	− 14	+ 1·9	13·4	+ 0·8	77·1	75·2	71·48	70·64	71·12	f.: b. : f.q. : c.
23	9·0	78	− 4·2	+10·9	69	11·7	+ 1	+ 0·5	12·2	− 0·4	77·2	75·5	72·14	71·42	71·98	c.: b.: f.: f.g.: c q: c.: f.
24	6·7	58	− 7·8	+13·9	61	16·0	− 8	+ 4·8	16·2	+ 3·6	76·9	75·1	72·13	71·71	72·11	c. : c.p.: c.p.q. : c.q.
25	6·2	54	− 8·3	+11·8	55	14·4	− 14	+ 3·2	14·7	+ 2·0	77·1	75·4	71·65	71·37	71·38	c.p.: c. : c.q. : c.pq. : c.d.
26	6·5	56	− 9·8	+13·5	54	16·7	− 15	+ 5·5	17·0	+ 4·4	77·3	75·3	71·96	71·84	72·38	o.p. : c.d.q.: c.q.p.: o.q.
27	9·7	84	− 6·4	+11·4	61	13·1	− 8	+ 1·9	13·2	+ 0·6	77·1	75·2	73·06	73·05	74·70	o.q.: c.q.: c. : f.
28	11·1	96	− 5·8	+ 6·8	49	9·0	− 20	− 2·2	9·2	− 3·4	77·1	75·3	73·63	73·13	73·88	f. : b.. c.
29	5·3	46	− 6·6	+ 6·7	45	9·4	− 24	− 1·8	9·8	− 2·8	77·5	75·3	73·84	73·18	73·28	b.: c.: c.g. : b.
30	10·9	94	−11·7	+ 8·1	35	14·1	− 34	+ 2·9	14·6	+ 2·0	76·9	75·2	73·26	72·88	74·51	b. : f. : o.p.
31	5·5	47	− 7·5	+17·4	67	18·9	− 2	+ 7·7	19·5	+ 6·9	77·1	75·3	74·08	73·80	74·10	o.p.q.: o.r.:c.g: c.q. : c.d.:c.
Mean -	7·95	69·8	− 7·10	+ 8·92	51·5	11·40	−16·2	−1·43	11·92	−0·42	77·28	75·58	71·96	71·39	71·78	...
Average	7·61	66·8	− 4·24	+10·35	67·7	11·18	...	...	12·34	...	76·74	74·91	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The climatic conditions of the month were characterised by persistent negative abnormalities in all elements. Pressure was below normal on 23 days, temperature on 22 days and humidity on 25 days. Mean wind direction was 16° south of the normal.

The highest dew point temperature was 67°·7 at 11h. on the 26th. ; and the lowest 49°·6 at 3h. on the 3rd.

The highest relative humidity was 95°·1 % at 7h. on the 6th. ; and the lowest 41·3 % at 12h. on the 13th.

The decrease of soil temperatures which occurred during the latter part of July continued until the middle of August, but recovered somewhat before the end of the month.

Rainfall at the Observatory was 68% below normal. The percentage variation from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	41 % below normal
Eastern Districts	,, ,, 2, 3, 4.	6 % below ,,
South-Eastern Districts	,, ,, 5,	16 % below ,,
Western Districts	River System 11	18 % below normal
	,, ,, 12	42 % below ,,
	,, ,, 13	no rainfall

* South (0°) ; East (90°) ; North (180°) : West (270°).

TABLE II.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of AUGUST 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′				h m	h m	h m	mm	h m	h m	h m	mm	
Aug. 1	9.41·2	·23225	·30836	5·6	36	14										
2	40·9	212	837	6·2	66	23										
3	41·2	218	836	6·2	41	18	1411	17.19·8	17.47·7	...		17.17·0	17.48·1	...	1·0	Booms accidentally disturbed towards end.
4	41·2	220	835	9·8	28	36										
5	41·1	223	836	6·2	28	17										
6	40·9	226	835	6·2	25	18	1412	17.44±	...	18.30±		17.55±	18.14·3	19.23±		Irregular feeble movements
7	40·9	212	836	5·8	48	19										
8	41·5	219	833	5·0	37	21										
9	41·6	227	834	4·2	28	28										
10	41·9	232	837	7·6	42	19										
11	41·3	223	834	4·6	48	26	1413	...	.	...		13.47·1	13.52·2	13.57·3		Slight thickening: imperceptible in N.S.
12	41·8	228	833	6·0	41	23	1414	...	.	...		17.56·0	18. 0·3	18. 6·1		Slight thickening: imperceptible in N.S.
13	41·3	231	832	8·6	29	35										
14	41·6	236	830	7·0	28	30										
15	41·6	233	830	7·0	29	23										
16	41·9	245	828	6·6	38	22	1415	...	6.14·6	...		6. 3·0	6.14·6	6.28·3		
17	41·7	240	829	8·0	58	23										
18	42·1	238	829	9·2	26	29										
19	41·4	237	829	6·2	54	12										
20	42·4	231	827	8·0	36	28										
21	42·3	235	823	9·6	30	34										
22	41·4	241	827	6·4	22	25										
23	42·0	239	827	6·0	33	28										
24	41·8	237	826	6·2	23	24										
25	42·0	242	823	6·0	22	26										
26	42·1	220	824	7·8	55	19										
27	41·4	215	825	6·0	41	27										
28	42·1	222	823	8·0	30	32										
29	40·9	215	823	10·8	63	30										
30	41·6	215	823	9·0	35	23										
31	42·1	217	824	7·6	36	21										
Mean	9.41·6	·23228	·30830	7·01	37·3	24·3	...	...	...	...	...	...	...	...	...	...

* Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of AUGUST 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.
d h m	° ′	d h m		d h m	° ′
Aug. 3. 8.29	9.40·8	Aug. 3.13. 3	·23218	Aug. 2.10.51	53. 0·9
13.47	9.39·2	11. 9.10	·23215	5.10.50	53. 0·5
11. 8.17	9.40·7	12.56	·23243	7.10.40	53. 2·1
13.46	9.39·1	18. 9.26	·23256	9.10.30	53. 1·0
18. 8.44	9.43·3	19.13. 7	·23241	12.10.33	52.59·4
19.13.51	9.40·4	24. 9.26	·23247	14.10.42	53. 0·0
24. 8.37	9.42·1	13.35	·23246	23.11.11	52.58·7
13.45	9.40·3	30. 9. 5	·23232	27.11.19	53. 0·1
30. 8. 2	9.42·3	13.10	·23204		
13.49	9.37·7				

MAGNETIC DISTURBANCES.

Element.	Time of. Beg:	Time of. End.	Time of. Max:	Time of. Min:	Total Range
	d h	d h	d h m	d h	
Hor. Force	2. 3	3.8	2.12	2 15	67γ
Declination	2. 3	3.8	2.23	3. 7	5′.2
Hor. Force	25.19	26.16	26. 4.32*	26.16	86γ

* A sharp peak.

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

AUGUST 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	ins. 29·000																
Midnight	970	1006	1080	1079	1039	986	947	999	1020	1005	999	1010	1018	1002	973	1003	Midnight
1h	960	1010	1080	1076	1032	962	948	995	1015	1000	998	1010	1012	995	963	993	1h
2	939	1006	1079	1059	1019	948	929	979	1004	984	981	999	1007	983	958	990	2
3	930	988	1077	1045	1004	938	923	976	998	971	973	993	1007	969	948	980	3
4	930	994	1077	1042	999	929	909	968	988	969	968	989	1005	960	943	979	4
5	931	989	1069	1029	988	929	904	974	989	964	974	995	1006	957	949	984	5
6	940	995	1070	1040	990	935	920	990	990	975	980	008	1014	964	954	994	6
7	958	1000	1076	1051	993	946	931	1001	1006	986	996	1021	1019	973	964	1004	7
8	962	1022	1087	1062	1002	960	947	1011	1012	1002	1007	1032	1027	983	983	1020	8
9	982	1033	102	1073	1018	963	962	1033	1033	1025	1022	1053	1038	990	995	1028	9
10	983	1048	113	1082	1016	963	958	1032	1028	1020	1028	1061	1028	995	995	1031	10
11	981	1041	112	1072	1002	953	942	1026	1002	1002	1019	1032	1004	975	975	1015	11
Noon	961	1020	103	1051	991	939	938	1011	987	981	996	1006	984	955	960	994	Noon
13h	942	990	1075	1025	970	918	919	983	969	960	980	978	965	934	936	980	13h
14	939	988	1054	1005	954	901	913	969	945	941	958	951	961	916	917	973	14
15	938	989	1037	989	939	892	908	959	937	931	949	946	950	907	922	974	15
16	950	1000	1030	989	946	899	919	959	945	939	955	950	951	911	931	983	16
17	966	1015	1039	1000	950	908	938	969	950	950	968	965	957	916	940	991	17
18	970	1031	1044	1016	963	920	948	981	961	961	980	977	973	931	953	994	18
19	979	1051	1051	1021	971	934	961	1001	971	976	989	990	991	939	971	1024	19
20	991	1072	1068	1032	986	955	984	1019	992	997	1002	1002	1001	957	989	1051	20
21	997	1082	1072	1040	991	958	994	1022	1002	1011	1011	1021	1008	972	997	1054	21
22	1007	1082	1074	1042	991	952	1001	1025	1011	1010	1015	1025	1008	979	001	1054	22
23	1008	1081	1081	1040	990	944	1004	1027	1009	1001	1007	1020	1004	981	1004	1052	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. \ Hour.
	ins. 29·000																
Midnight	1041	1031	985	971	970	960	981	1000	1030	1020	1032	1028	957	904	949	1000	Midnight
1h	1040	1037	978	961	963	950	971	987	1011	1010	1017	1017	930	901	937	992	1h
2	1030	1021	970	954	951	939	960	975	1001	1001	999	1001	920	893	929	981	2
3	1021	1007	953	952	934	921	945	967	991	986	995	989	904	890	921	971	3
4	1020	1009	943	952	922	921	942	961	989	978	999	979	895	885	921	967	4
5	1016	1009	941	951	912	921	942	965	992	982	1002	975	891	888	924	966	5
6	1022	1013	953	962	922	933	953	982	1003	995	1012	979	900	903	942	975	6
7	1031	1023	963	973	933	942	969	987	1015	1007	1026	990	904	917	963	986	7
8	1046	1044	978	983	948	960	983	1012	1030	1018	1029	1000	914	924	973	999	8
9	1052	1047	991	998	965	974	996	1017	1037	1031	1037	1000	926	935	996	1011	9
10	1050	1054	994	1003	974	975	002	1021	1044	1034	1031	994	925	938	989	1013	10
11	1039	1033	983	988	944	961	986	1001	1029	1024	1007	974	904	933	976	998	11
Noon	1024	1008	962	967	919	944	970	984	1014	1008	993	954	884	919	954	980	Noon
13h	1010	980	944	948	903	923	958	963	989	988	981	932	861	898	943	960	13h
14	988	972	926	929	893	912	941	949	972	979	973	917	843	883	923	945	14
15	992	958	912	923	888	904	929	936	962	970	972	902	832	871	917	937	15
16	992	968	915	922	892	908	932	937	962	972	975	907	831	880	925	941	16
17	1007	968	928	931	912	922	946	946	974	987	974	919	831	891	934	951	17
18	1007	970	939	941	921	930	954	950	991	1009	987	928	847	899	941	962	18
19	1033	973	957	944	926	954	977	970	995	1023	1000	943	861	922	960	976	19
20	1049	992	978	970	959	970	992	1001	1014	1040	1017	951	890	940	969	995	20
21	1056	993	987	980	961	983	1010	1030	1023	1045	1034	961	900	942	972	1004	21
22	1050	989	982	974	971	989	1010	1030	1028	1045	1039	961	904	950	970	1005	22
23	1031	984	981	973	970	991	1002	1030	1021	1043	1037	960	903	944	971	1003	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

AUGUST 1915.

Day. / Hour.	1d. Air.	1d. Evaporation.	2d. Air.	2d. Evaporation.	3d. Air.	3d. Evaporation.	4d. Air.	4d. Evaporation.	5d. Air.	5d. Evaporation.	6d. Air.	6d. Evaporation.	7d. Air.	7d. Evaporation.	8d. Air.	8d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	65.8	63.3	66.6	61.4	64.4	57.1	64.6	58.7	60.6	58.1	58.8	56.1	58.7	55.7	56.6	54.0	Midnight
1h	64.8	63.1	66.0	61.2	61.6	56.2	64.7	58.5	60.0	57.7	57.7	55.1	59.8	56.6	57.9	55.5	1h
2	65.8	63.1	66.2	61.8	62.8	57.1	62.5	57.8	59.8	57.7	56.8	54.2	58.2	55.7	61.8	59.3	2
3	66.3	63.1	67.1	61.3	61.7	55.2	62.6	58.7	59.0	57.2	56.8	54.6	58.2	55.7	60.1	58.2	3
4	66.4	63.2	67.1	61.6	60.1	54.7	63.2	57.7	58.8	57.1	56.6	54.3	57.3	55.2	59.6	57.8	4
5	66.0	63.3	65.8	61.4	58.0	54.1	62.8	57.2	60.3	58.5	54.9	52.9	56.9	55.0	61.2	59.3	5
6	66.3	63.1	65.9	60.8	57.3	53.5	62.3	56.9	60.0	58.2	54.4	52.4	55.4	53.5	61.7	59.8	6
7	66.5	63.3	66.4	61.2	57.9	54.2	63.0	58.1	60.1	58.2	54.9	54.2	56.5	55.4	61.8	60.2	7
8	68.0	64.4	69.3	63.1	65.4	60.5	64.3	60.3	64.4	61.3	64.3	61.2	62.4	60.1	64.3	62.0	8
9	70.0	65.3	72.8	65.1	67.5	61.1	69.8	61.1	70.9	64.4	69.5	63.0	66.4	62.8	67.3	62.4	9
10	70.8	65.9	70.7	64.3	68.3	61.1	70.3	60.8	73.0	63.8	72.6	63.2	68.1	64.1	70.2	62.7	10
11	71.3	66.2	74.5	64.4	69.8	60.3	72.8	62.2	73.9	65.0	74.3	64.3	72.4	65.3	68.8	62.3	11
Noon	72.0	66.3	75.6	64.8	70.9	60.4	70.2	62.4	73.7	65.2	73.7	64.1	71.7	65.1	69.7	63.0	Noon
13h	72.2	66.1	73.8	65.3	71.6	60.0	71.1	61.6	70.2	66.1	72.3	65.0	70.3	64.3	71.1	62.5	13h
14	72.1	64.4	74.6	64.8	72.5	60.2	70.6	64.4	71.1	64.2	72.0	64.2	71.2	63.7	73.8	63.1	14
15	71.1	65.1	73.8	64.0	71.5	60.4	70.2	62.0	72.4	63.2	71.9	64.2	71.1	62.1	71.6	62.5	15
16	69.6	64.3	72.1	63.1	69.8	59.2	70.6	62.0	72.1	62.9	72.1	63.0	70.6	62.1	70.7	61.5	16
17	67.8	63.5	68.6	63.9	67.8	59.0	69.1	60.6	69.8	63.2	71.0	60.5	68.7	60.7	68.6	61.2	17
18	67.3	63.1	67.4	62.2	67.4	59.3	65.8	60.2	67.1	62.1	68.3	60.1	67.0	60.3	65.7	60.7	18
19	66.5	62.1	66.5	61.7	66.2	58.1	61.7	58.0	64.0	59.9	66.6	59.4	65.8	59.4	63.0	58.8	19
20	66.7	62.6	66.0	61.2	65.7	58.2	58.9	55.6	61.9	58.8	66.1	59.9	64.6	58.6	61.2	58.2	20
21	66.7	62.2	66.8	60.6	64.8	58.2	58.0	55.0	62.0	59.0	65.3	59.0	64.8	58.5	58.9	56.0	21
22	66.0	62.1	66.1	60.0	66.0	58.2	59.2	56.7	62.6	58.9	63.1	58.3	63.1	58.0	60.7	58.3	22
23	67.2	61.8	65.6	59.0	64.7	58.7	61.6	59.1	61.7	58.2	59.1	56.1	58.2	55.2	59.0	56.7	23

Day. / Hour.	9d. Air.	9d. Evaporation.	10d. Air.	10d. Evaporation.	11d. Air.	11d. Evaporation.	12d. Air.	12d. Evaporation.	13d. Air.	13d. Evaporation.	14d. Air.	14d. Evaporation.	15d. Air.	15d. Evaporation.	16d. Air.	16d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	59.4	57.3	60.1	57.4	65.3	60.1	61.8	59.1	58.6	55.8	62.3	58.1	58.8	55.1	62.3	59.3	Midnight
1h	60.1	58.2	60.3	57.8	62.8	59.8	60.3	58.1	58.8	55.7	59.8	56.6	57.8	55.1	61.7	59.4	1h
2	59.0	57.0	60.5	57.7	60.1	57.3	60.2	58.0	59.5	55.9	59.9	56.3	60.3	56.6	61.8	59.4	2
3	60.1	58.2	59.2	57.1	60.4	58.0	59.1	57.1	58.5	55.6	59.8	56.4	63.3	58.2	61.8	59.8	3
4	58.8	57.0	57.6	55.5	61.7	58.7	56.5	54.4	59.3	56.4	59.8	56.1	63.3	58.1	62.2	60.1	4
5	60.5	58.0	56.6	54.8	61.8	59.0	54.5	52.4	58.2	55.4	60.9	56.2	61.3	57.2	62.1	59.8	5
6	60.7	58.1	59.2	57.5	63.3	61.3	55.0	53.4	57.0	54.3	59.9	56.2	61.9	57.9	62.7	60.1	6
7	60.8	57.7	56.8	55.0	62.8	59.8	55.6	54.7	55.5	53.2	61.3	57.2	60.2	57.2	64.0	61.8	7
8	61.9	57.9	64.8	61.3	66.8	61.1	65.5	61.2	63.5	58.2	67.3	60.8	67.8	61.1	69.0	63.6	8
9	67.8	59.1	67.0	61.5	71.8	63.1	71.3	62.6	70.8	60.2	70.8	62.2	71.3	62.3	72.8	64.4	9
10	70.7	59.3	70.4	62.7	72.3	63.1	71.8	62.6	73.5	60.3	72.8	62.2	73.3	62.1	74.8	65.1	10
11	72.8	60.1	73.5	62.7	73.6	64.1	75.1	63.1	74.8	60.7	72.8	61.6	74.8	63.1	73.8	65.1	11
Noon	72.5	61.1	73.2	63.0	73.2	65.1	74.2	62.8	75.7	60.9	75.2	63.2	75.7	62.1	75.7	65.1	Noon
13h	72.3	62.1	71.1	62.0	74.0	65.1	75.3	63.4	75.1	60.8	74.6	62.6	76.5	63.1	75.9	65.3	13h
14	71.6	61.7	73.6	62.7	72.9	64.4	75.1	63.0	75.1	60.7	73.4	62.1	75.8	62.1	75.6	65.2	14
15	71.5	61.9	73.7	62.2	70.8	63.4	72.9	62.6	74.5	61.0	72.5	62.2	74.5	61.4	75.1	65.3	15
16	69.9	60.4	71.8	61.6	69.7	63.3	71.4	61.6	73.1	60.5	71.5	61.1	73.1	61.5	73.8	64.7	16
17	69.2	60.1	70.1	60.2	69.6	64.0	69.6	61.3	71.0	60.1	70.4	60.5	70.8	60.3	71.6	63.8	17
18	66.2	59.1	66.6	59.2	68.3	63.2	67.5	61.0	68.1	60.1	66.6	59.0	67.8	60.6	69.1	63.0	18
19	63.5	58.0	64.4	58.0	66.7	62.2	65.0	60.1	66.6	60.4	64.7	57.9	65.9	60.9	67.8	62.4	19
20	62.0	58.0	62.5	57.7	66.2	61.6	63.8	59.6	65.9	60.1	62.7	57.1	64.1	60.4	67.4	62.3	20
21	63.1	59.0	61.9	57.8	63.2	60.3	62.8	59.0	64.7	59.5	58.6	54.2	63.6	60.1	67.0	62.4	21
22	62.7	59.0	61.7	58.0	62.4	59.3	63.5	59.3	63.7	58.2	58.6	54.3	63.0	59.9	66.8	62.0	22
23	60.7	58.0	62.0	58.6	61.7	58.8	59.7	56.6	62.0	58.0	57.6	54.1	62.6	59.9	66.3	62.0	23

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

AUGUST 1915.

Hour. / Day.	17d. Air.	17d. Evaporation.	18d. Air.	18d. Evaporation.	19d. Air.	19d. Evaporation.	20d. Air.	20d. Evaporation.	21d. Air.	21d. Evaporation.	22d. Air.	22d. Evaporation.	23d. Air.	23d. Evaporation.	24d. Air.	24d. Evaporation.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Midnight	67·6	62·9	66·7	64·0	61·7	59·2	65·6	61·2	62·4	57·1	62·3	57·2	62·9	58·7	65·2	61·6
1h	67·8	63·2	66·7	64·1	58·7	56·7	63·2	59·9	58·7	55·2	57·7	54·4	64·0	59·6	64·7	61·7
2	68·7	63·7	66·9	63·5	56·6	54·7	62·4	59·2	61·6	56·8	54·7	52·3	63·9	59·4	64·7	61·9
3	69·0	64·0	66·5	62·7	57·0	55·5	62·8	59·7	59·8	56·1	54·7	52·2	62·7	58·4	64·7	61·4
4	68·9	64·1	66·6	62·5	60·0	58·2	63·2	59·2	56·7	54·2	56·0	53·2	61·1	57·5	65·3	62·0
5	68·7	64·0	65·9	63·1	60·1	58·1	61·0	58·5	56·2	54·0	57·8	55·1	57·9	55·4	65·5	62·2
6	69·0	63·5	65·1	62·3	59·2	57·3	60·7	58·0	57·2	54·7	59·8	56·4	58·2	55·0	63·7	61·7
7	69·2	64·0	65·6	62·8	62·9	60·0	61·7	59·0	57·6	55·1	61·7	57·2	60·7	58·0	64·5	62·4
8	70·8	65·2	69·4	64·4	67·6	62·6	65·7	60·9	61·8	60·5	66·9	58·9	66·7	60·9	65·5	62·9
9	73·7	66·5	71·7	65·0	70·9	63·9	69·7	62·4	65·0	61·9	69·8	59·9	71·6	62·0	68·9	64·9
10	74·2	66·7	73·7	65·7	71·9	64·4	73·3	64·0	65·6	62·7	71·7	60·4	71·7	61·9	68·7	65·9
11	73·7	66·9	74·0	65·3	73·2	64·4	74·5	64·0	68·9	62·8	72·7	60·6	74·6	62·9	71·7	65·4
Noon	71·7	68·0	74·4	64·8	74·7	64·8	74·2	63·9	69·9	62·5	73·7	59·9	72·8	63·0	70·4	66·8
13h	74·1	68·1	74·7	63·8	73·5	63·9	74·6	63·0	71·1	62·9	73·6	60·1	71·1	63·0	68·5	65·4
14	76·1	68·3	74·7	64·0	74·8	64·6	74·6	63·2	71·1	63·0	72·6	60·4	73·1	62·1	70·1	66·0
15	71·6	67·5	73·7	63·1	73·6	65·0	74·1	63·1	69·4	62·5	72·4	60·0	72·8	63·2	72·5	65·0
16	71·6	66·1	71·6	62·3	71·6	64·3	72·6	62·0	68·8	62·0	70·6	60·1	71·6	63·0	70·7	64·0
17	70·0	66·0	71·0	61·8	69·2	63·0	71·1	62·0	67·3	61·1	68·8	60·1	69·6	62·0	69·6	64·5
18	68·6	65·9	67·9	61·2	67·7	62·4	68·6	61·1	65·3	59·5	66·6	60·1	66·1	62·6	68·6	63·2
19	67·8	65·8	64·8	60·3	67·5	62·2	67·1	60·5	64·3	58·5	64·6	59·8	65·3	62·1	67·3	63·1
20	67·6	65·3	63·5	59·9	67·6	62·1	65·5	59·1	64·4	58·4	64·1	58·5	65·4	61·7	67·2	63·1
21	66·9	65·2	62·4	59·2	67·4	61·9	62·6	58·1	63·1	56·7	63·9	59·2	65·2	61·2	67·5	63·2
22	67·0	65·0	61·6	59·2	66·0	61·4	61·6	57·2	59·6	55·3	64·1	58·7	65·2	61·4	66·1	62·0
23	66·8	64·3	62·0	59·3	65·8	61·2	62·5	57·5	59·2	55·2	64·1	58·6	65·3	61·3	66·6	62·3

Hour. / Day.	25d. Air.	25d. Evaporation.	26d. Air.	26d. Evaporation.	27d. Air.	27d. Evaporation.	28d. Air.	28d. Evaporation.	29d. Air.	29d. Evaporation.	30d. Air.	30d. Evaporation.	31d. Air.	31d. Evaporation.	Mean. Air	Mean. Evaporation.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Midnight	66·4	63·2	68·1	64·5	69·6	66·8	63·4	61·7	62·7	60·5	65·7	61·2	66·1	64·3	63·3	59·7
1h	64·2	61·9	67·9	64·9	69·0	66·2	63·3	61·3	62·7	60·2	65·6	61·2	66·6	65·2	62·4	59·4
2	64·2	62·2	66·9	65·2	69·2	66·2	65·3	63·1	62·7	60·3	65·1	60·5	66·4	65·1	62·4	59·3
3	65·1	63·1	66·7	65·1	69·1	66·1	64·2	62·0	63·1	61·1	65·4	60·2	66·6	65·1	62·3	59·3
4	65·0	62·3	66·7	65·1	69·1	65·2	62·7	60·7	61·7	59·7	64·7	59·7	66·4	65·0	62·0	58·9
5	64·4	61·9	67·3	66·1	68·9	65·6	62·7	60·5	60·3	58·4	63·5	59·1	65·9	64·6	61·5	58·7
6	64·7	62·0	67·3	66·0	68·6	64·2	61·7	59·5	57·7	55·7	62·7	58·9	65·9	64·6	61·4	58·6
7	65·4	63·0	67·9	66·3	68·5	64·7	61·9	59·8	61·9	59·9	62·0	59·0	66·3	65·0	62·0	59·3
8	68·7	64·8	68·7	67·2	71·2	65·6	68·8	63·2	69·2	64·1	68·9	62·5	67·7	65·6	66·6	62·2
9	71·3	64·7	70·7	68·7	73·7	66·4	72·4	63·6	70·7	64·0	72·2	63·0	68·7	66·8	70·3	63·4
10	73·2	65·0	72·4	68·9	73·2	65·9	74·3	63·4	71·5	63·9	74·7	63·9	71·2	67·4	71·8	63·7
11	74·3	65·0	73·1	70·0	75·5	66·0	74·9	63·1	74·4	64·9	74·7	63·4	73·2	67·0	73·3	63·9
Noon	73·7	66·1	73·5	69·0	76·2	66·2	75·7	62·4	73·6	64·9	76·3	63·0	73·7	67·3	73·5	64·1
13h	71·7	65·8	73·0	68·9	75·6	66·8	76·1	62·4	73·5	64·5	76·6	64·0	74·6	67·4	73·2	64·0
14	72·8	66·0	72·1	68·3	75·1	65·3	75·9	62·6	73·5	64·4	75·8	63·1	74·6	67·2	73·5	63·9
15	67·6	65·4	70·6	68·5	73·6	65·5	74·8	62·2	73·6	64·9	75·1	62·9	74·1	65·9	72·5	63·5
16	70·5	65·6	72·1	67·2	72·6	65·2	73·9	62·1	73·3	64·6	73·5	62·2	72·6	66·5	71·6	62·9
17	67·6	64·6	71·6	67·5	71·7	65·0	71·6	61·9	71·8	64·0	71·1	61·2	71·1	66·7	69·9	62·4
18	66·6	64·2	69·6	66·6	69·2	64·1	69·4	62·2	69·1	62·8	69·4	61·7	69·6	65·7	67·7	61·8
19	66·1	62·6	69·7	66·3	66·5	62·7	66·1	61·2	68·1	62·2	69·1	61·7	68·1	65·6	66·0	61·0
20	65·5	61·6	69·5	66·1	64·5	61·6	63·6	59·7	67·6	61·3	69·4	62·1	68·5	65·4	65·2	60·5
21	66·6	63·1	69·3	66·3	62·6	60·3	63·9	60·4	65·5	61·4	68·6	62·1	69·1	65·5	64·4	60·1
22	67·4	63·2	69·5	66·5	61·9	59·7	65·6	61·5	62·8	60·0	67·4	62·8	68·6	65·5	64·0	60·0
23	68·0	64·7	69·6	66·6	62·3	60·4	64·6	62·1	66·1	61·3	67·0	63·6	68·6	65·8	63·5	59·8

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour. \ Day.	AUGUST 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Mean.
Midnight	7	9	0	9	3	2	1	6	4	0	5	2	2	1	0	2	8	5	2	2	2	7	8	8	6	8	8	7	1	2	10	4·4
1h	9	5	2	10	3	2	2	8	8	1	5	2	3	1	0	2	8	4	3	1	5	1	9	3	8	10	8	4	1	2	10	4·5
2	9	8	3	10	2	2	2	10	6	1	4	2	2	0	1	1	10	5	3	1	4	3	7	3	8	10	9	1	1	1	10	4·5
3	9	8	2	8	1	3	0	8	6	2	10	1	5	0	0	1	10	5	2	0	2	1	2	4	9	8	10	3	2	0	9	4·3
4	9	9	2	10	3	0	0	9	5	2	9	1	5	0	0	1	10	7	1	0	3	1	0	6	6	10	10	2	1	2	10	4·3
5	10	6	4	10	2	0	1	9	8	2	8	1	5	0	0	1	10	6	2	0	5	1	0	8	7	10	10	3	1	2	10	4·6
6	8	3	4	9	1	2	2	10	6	3	10	1	1	1	0	2	9	6	7	0	7	1	6	8	7	10	7	3	2	2	10	4·8
7	8	3	5	6	1	3	2	9	5	4	10	1	1	1	0	1	8	3	3	0	7	1	3	10	7	8	7	3	0	4	10	4·3
8	8	2	6	7	1	3	8	9	6	2	8	1	1	1	0	2	7	5	2	1	7	1	5	9	6	8	5	3	1	3	10	4·5
9	9	2	8	3	3	4	10	3	7	6	6	1	1	1	0	3	6	6	6	6	9	2	4	6	8	8	8	4	6	3	10	5·1
10	9	7	9	6	4	4	9	4	3	6	7	3	1	3	1	2	9	8	5	6	10	3	6	8	9	7	7	5	8	4	7	5·8
11	10	4	8	6	5	5	9	7	1	6	7	5	1	5	1	2	8	7	9	5	9	3	6	9	7	10	7	5	9	5	10	6·1
Noon	10	5	7	7	7	7	8	8	3	5	8	5	2	3	1	2	9	5	8	6	9	2	7	9	7	8	9	6	9	5	7	6·3
13h	10	6	6	7	9	8	8	7	5	5	6	4	1	5	1	3	7	3	8	7	8	2	7	8	8	9	9	4	9	4	7	6·2
14	9	5	5	6	9	9	8	4	6	5	7	5	1	7	2	2	8	5	5	4	9	2	6	8	9	10	7	3	10	5	8	6·1
15	9	3	7	5	6	7	7	5	7	3	7	7	1	7	2	2	9	6	6	6	9	3	6	8	9	10	6	3	9	6	8	6·1
16	9	3	8	5	5	6	8	5	5	3	5	6	1	5	2	1	7	5	5	5	8	3	7	8	9	6	6	2	9	5	7	5·5
17	10	3	7	4	6	3	5	3	4	2	6	5	1	3	1	2	6	4	6	4	7	4	9	8	8	8	5	3	6	3	7	4·9
18	9	3	9	2	4	2	3	4	2	1	4	1	1	1	1	1	8	2	6	3	3	5	2	8	8	10	1	6	3	4	8	4·0
19	9	2	10	2	3	0	0	2	1	1	4	0	1	0	1	0	10	1	9	3	2	6	10	8	5	10	0	0	3	6	9	3·8
20	10	3	10	0	1	0	0	0	0	0	4	0	0	0	1	0	9	0	9	2	2	8	4	6	3	10	1	0	1	7	9	3·2
21	9	2	10	1	1	0	1	0	0	1	1	0	0	0	1	0	8	1	8	2	1	8	4	9	6	10	3	7	0	5	8	3·4
22	8	2	10	1	1	0	3	4	1	1	1	1	0	0	1	2	9	2	8	3	2	7	6	7	9	9	4	9	1	5	9	4·1
23	8	1	10	2	2	0	4	2	0	1	0	1	0	0	1	1	6	2	6	3	3	7	6	9	10	9	4	8	1	6	8	3·9

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	AUGUST 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Total.
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	0	35	0	0	18	27	27	0	0	17	0	30	15	30	32	28	12	20	23	33	0	20	28	0	0	3	16	32	38	28	0	8·5
8	0	60	27	15	60	60	16	54	6	60	10	60	60	60	60	60	26	60	60	60	20	60	60	1	37	39	60	60	60	58	7	22·3
9	0	60	0	56	60	48	0	60	47	21	51	60	60	60	57	60	36	52	60	60	10	60	55	52	60	46	50	60	51	60	11	23·7
10	0	50	14	59	60	60	0	60	60	55	20	60	60	60	60	60	49	60	60	60	0	60	60	41	60	51	59	60	18	60	59	24·9
11	0	60	7	60	60	59	40	31	60	57	7	60	60	60	60	60	50	60	60	60	25	60	60	50	60	18	60	60	25	60	39	24·8
Noon	6	60	36	58	55	27	50	12	60	41	18	55	60	59	60	60	60	60	58	40	21	60	58	45	51	54	60	60	1	60	15	23·7
13h	2	55	59	44	30	0	10	37	60	17	49	46	60	53	60	60	56	60	58	51	47	60	59	23	35	35	60	60	0	60	33	22·3
14	2	60	60	24	16	0	14	60	55	60	28	55	60	15	60	60	57	60	60	59	45	60	57	55	15	28	57	60	0	60	51	22·5
15	0	60	56	55	32	37	14	50	52	60	0	13	60	21	60	60	33	60	60	60	52	60	60	60	6	43	36	60	20	60	45	22·4
16	0	58	20	59	60	40	30	55	32	60	19	28	60	26	60	60	6	60	55	57	46	60	45	13	34	37	50	60	31	60	37	22·0
17	0	45	32	41	60	60	15	54	60	60	58	38	60	60	60	60	25	56	0	40	33	60	0	59	13	36	56	60	53	60	36	22·5
18	0	2	0	0	20	27	14	15	24	25	10	25	26	13	40	24	3	18	0	15	0	20	0	0	0	0	18	32	19	30	0	7·0
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 246·6 hours; the corresponding period during which the sun was above the horizon was 353·0 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

AUGUST 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	4·6	8·2	10·6	6·1	5·2	10·8	7·5	2·4	3·5	8·2	9·8	10·2	5·9	8·2	4·4	5·2	Midnight
1h	3·1	6·3	7·1	10·4	5·9	5·4	5·9	5·9	3·5	6·9	9·6	5·4	6·3	4·8	3·3	6·9	1h
2	6·3	5·6	7·3	5·9	5·7	4·8	3·4	8·0	6·3	5·8	5·9	8·0	8·0	6·3	5·0	6·1	2
3	7·3	15·9	7·3	3·5	5·2	4·2	5·6	6·1	4·0	5·6	3·5	6·1	6·5	7·8	9·4	9·2	3
4	7·8	7·2	6·3	6·3	6·7	6·5	5·6	5·6	7·6	6·5	5·4	2·8	8·2	8·2	10·2	8·4	4
5	5·6	4·4	3·0	9·8	6·7	6·7	5·4	8·6	10·2	8·8	6·3	4·4	10·0	9·2	10·8	8·2	5
6	6·1	7·5	3·4	10·6	6·9	9·8	3·5	7·5	5·4	5·6	8·2	6·5	7·5	7·5	8·6	7·8	6
7	6·3	11·0	3·7	8·4	6·3	6·1	3·4	4·0	11·7	5·4	6·3	8·8	7·3	8·0	10·0	8·6	7
8	9·2	12·5	10·2	6·1	9·0	7·3	4·2	4·0	9·6	11·0	8·4	7·6	6·3	9·0	9·8	11·2	8
9	12·3	13·7	13·1	12·5	14·3	7·3	3·0	12·1	9·6	8·2	12·9	13·5	10·2	13·3	14·5	17·3	9
10	10·4	14·3	15·1	17·5	17·1	10·2	3·4	18·1	12·7	13·1	10·2	12·9	15·1	12·1	14·3	19·9	10
11	13·7	18·9	18·1	18·3	16·1	10·2	14·9	15·3	14·7	18·1	13·1	12·3	11·2	11·2	15·5	20·5	11
Noon	15·1	17·3	19·9	18·9	17·1	7·3	14·3	11·9	15·5	18·1	16·1	11·2	15·9	10·4	15·3	20·5	Noon
13h	15·1	21·9	19·5	19·3	12·5	5·4	18·7	15·9	16·1	19·1	15·1	13·3	14·3	10·8	13·7	21·3	13h
14	18·1	22·1	16·9	16·1	15·9	12·9	20·3	16·3	18·1	18·3	15·1	16·7	14·3	10·4	14·7	22·1	14
15	15·7	22·7	18·1	14·7	16·7	21·3	22·7	14·9	17·7	15·9	14·7	17·3	14·1	11·5	16·1	20·1	15
16	15·9	20·3	16·1	21·5	20·5	15·9	21·3	14·1	16·9	17·3	15·5	18·9	16·7	14·7	14·1	21·3	16
17	11·7	16·9	12·1	15·1	16·1	18·3	16·1	12·3	20·9	13·9	15·3	14·3	10·6	13·5	12·1	19·9	17
18	9·2	12·3	7·6	6·3	8·0	11·4	8·2	5·6	9·0	7·6	13·1	9·8	9·4	10·8	6·9	15·1	18
19	5·9	19·9	6·9	3·5	6·5	9·2	10·2	4·2	6·1	8·0	7·3	8·6	6·1	10·0	4·6	11·4	19
20	4·2	11·5	5·4	3·0	8·0	6·1	8·2	2·0	7·8	7·1	7·5	8·2	6·1	4·6	5·9	10·8	20
21	7·6	15·5	6·1	4·8	6·3	8·2	8·8	3·5	8·8	6·3	8·8	7·5	9·2	2·4	5·9	10·4	21
22	6·3	12·7	8·2	6·5	10·2	5·7	6·9	4·0	6·9	8·0	7·8	8·4	8·4	1·8	6·3	12·1	22
23	11·4	14·9	8·8	5·8	6·5	4·0	3·1	3·2	5·7	5·9	9·6	7·3	9·0	2·8	5·9	8·2	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	16·1	14·1	4·6	12·5	5·9	9·0	8·2	10·2	11·7	12·9	14·9	5·2	8·8	10·6	17·1	8·8	Midnight
1h	11·7	12·1	1·7	6·1	5·8	2·8	10·4	9·6	7·3	11·4	17·3	6·3	8·6	10·2	18·5	7·6	1h
2	13·9	14·1	3·1	7·1	7·8	3·5	10·2	8·0	6·3	12·3	16·5	7·5	9·6	11·4	17·7	8·0	2
3	12·5	14·1	4·8	8·2	7·8	7·3	7·7	7·3	10·0	13·5	14·5	4·8	5·6	6·3	20·1	8·1	3
4	11·9	14·9	9·4	8·8	8·2	7·3	5·6	8·0	10·2	14·5	13·3	6·3	4·4	14·1	20·1	8·6	4
5	15·9	12·5	5·8	9·0	8·0	9·0	5·6	9·2	8·8	14·1	11·6	6·1	4·0	10·0	21·3	8·6	5
6	14·1	9·2	4·4	8·8	6·1	10·2	6·3	11·2	7·8	14·7	11·7	6·1	3·2	6·5	20·1	8·1	6
7	20·7	10·4	7·8	6·7	6·7	11·4	7·1	10·2	6·3	13·5	12·5	4·8	5·4	4·4	20·9	8·5	7
8	14·1	11·7	14·1	7·8	2·8	15·9	9·2	16·1	12·1	16·1	13·1	3·5	9·2	8·2	20·5	9·7	8
9	18·7	17·1	12·7	11·7	3·7	20·3	17·9	16·5	18·9	18·9	15·7	13·1	11·0	17·3	20·3	13·6	9
10	20·1	18·1	23·7	14·5	13·1	21·9	16·5	21·5	19·3	19·3	18·3	21·9	11·9	18·9	23·5	16·1	10
11	23·0	20·1	18·7	14·1	17·5	20·3	18·1	21·3	22·7	18·9	19·9	13·5	11·9	28·1	26·5	17·3	11
Noon	18·7	21·1	17·3	18·5	20·7	21·3	20·1	20·9	21·5	22·5	18·5	14·9	11·4	12·1	24·7	17·1	Noon
13h	21·5	20·1	21·1	20·1	19·5	19·9	18·9	21·3	20·1	21·7	17·7	14·1	15·1	23·7	26·1	17·8	13h
14	23·0	18·9	17·7	24·3	20·7	21·1	21·1	23·1	22·1	22·3	18·1	14·7	12·1	27·3	23·5	18·7	14
15	17·2	18·1	18·3	20·3	18·9	20·9	19·1	24·1	18·7	21·3	18·5	10·2	18·5	25·1	23·1	18·0	15
16	21·9	17·5	19·3	18·3	16·3	20·3	17·3	22·1	22·5	20·9	15·9	15·5	21·9	19·1	19·7	18·3	16
17	18·7	15·1	14·1	19·1	12·9	19·1	15·5	25·1	17·1	20·1	13·9	10·2	12·9	16·3	16·9	16·0	17
18	16·9	8·4	12·3	12·3	10·0	15·5	7·3	23·5	18·1	18·1	10·2	10·2	10·4	14·7	19·3	11·5	18
19	15·9	3·9	11·9	10·2	11·0	12·7	10·0	26·1	17·3	16·1	5·0	5·9	7·1	11·6	12·1	9·9	19
20	17·3	5·4	11·6	7·8	10·0	7·8	9·2	15·1	14·3	17·1	6·5	4·6	8·2	19·1	16·9	8·9	20
21	18·1	5·8	14·7	4·0	11·7	7·1	8·8	15·1	13·7	16·1	4·4	4·2	6·7	10·0	15·3	8·9	21
22	17·1	5·6	12·1	4·6	8·4	9·2	9·8	11·0	11·6	15·9	6·5	8·0	4·2	10·4	13·7	8·6	22
23	19·1	6·5	13·1	6·5	8·6	8·8	10·8	12·3	13·7	14·3	6·9	6·7	12·3	12·1	12·5	9·9	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile.*)

AUGUST 1915.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	96	102	94	106	92	107	97	105	97	104	96	110	93	101	98	100	Midnight
1h	97	99	94	102	96	106	93	107	100	106	96	104	94	100	99	106	1h
2	94	101	95	103	96	106	94	101	97	105	97	103	97	101	94	106	2
3	93	103	91	113	95	105	97	101	97	104	97	103	96	104	97	105	3
4	94	104	97	107	98	106	94	101	97	106	95	104	96	104	96	104	4
5	95	102	98	104	98	102	95	108	97	106	94	104	95	102	93	105	5
6	94	101	95	105	97	99	94	109	97	106	92	105	97	101	97	107	6
7	95	103	92	108	99	103	93	105	98	106	95	103	97	101	99	104	7
8	91	104	91	109	96	109	101	106	98	109	95	105	96	102	96	99	8
9	91	109	97	113	95	112	98	112	100	114	95	105	97	100	91	109	9
10	93	107	90	110	94	114	97	117	100	117	98	110	101	97	87	113	10
11	90	110	87	113	90	115	90	115	100	116	96	109	89	111	87	108	11
Noon	89	111	90	114	92	118	87	113	93	116	93	103	92	112	90	107	Noon
13h	89	111	80	108	89	116	89	116	105	111	100	95	84	110	91	113	13h
14	87	113	84	116	91	114	89	111	91	113	89	107	83	111	86	109	14
15	86	106	81	113	90	115	90	110	94	115	85	115	79	109	90	111	15
16	85	106	86	114	91	113	85	115	92	119	85	106	85	115	90	110	16
17	89	104	88	112	95	111	92	113	89	111	82	104	89	111	91	109	17
18	96	109	91	109	96	106	96	105	97	107	89	102	92	100	95	103	18
19	96	104	86	114	97	106	98	102	96	105	91	104	93	107	98	103	19
20	98	103	92	108	98	105	97	101	96	107	94	99	94	106	99	101	20
21	96	106	89	111	97	105	98	104	97	105	92	103	93	105	98	102	21
22	96	104	91	109	97	108	98	106	96	109	94	99	94	104	96	102	22
23	91	106	88	108	95	107	97	105	98	106	97	103	97	100	99	103	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	97	101	95	107	92	105	96	109	98	105	92	103	97	97	98	105	Midnight
1h	97	101	97	106	92	105	98	105	96	104	95	101	98	103	97	106	1h
2	94	101	97	105	95	103	97	107	94	106	97	105	95	99	98	106	2
3	98	103	96	104	98	102	96	104	95	104	94	104	93	107	96	108	3
4	96	106	96	105	97	105	98	102	96	107	93	104	93	107	97	108	4
5	91	104	97	108	96	105	97	103	93	107	93	107	96	110	97	108	5
6	95	103	96	104	100	108	95	104	95	105	94	104	94	106	95	106	6
7	92	108	96	104	96	104	95	107	95	105	93	104	93	107	95	107	7
8	93	107	92	108	93	105	95	105	97	105	93	105	93	107	92	108	8
9	96	109	97	108	89	107	91	110	94	109	93	110	90	110	90	114	9
10	91	109	93	111	93	107	91	109	97	115	91	109	90	110	89	116	10
11	97	114	97	118	91	109	91	109	92	108	89	102	91	113	89	117	11
Noon	89	111	93	117	91	113	92	108	89	111	90	104	91	113	85	117	Noon
13h	94	115	86	113	94	114	91	109	90	110	92	108	92	111	84	115	13h
14	87	113	100	118	94	114	86	109	92	112	91	106	92	112	89	116	14
15	88	112	97	116	90	110	86	110	90	110	94	110	87	109	88	117	15
16	88	112	93	116	91	113	84	110	86	109	90	110	90	110	83	118	16
17	88	117	95	113	92	113	90	110	92	107	90	109	95	111	89	111	17
18	94	106	97	107	95	112	93	107	91	104	94	109	95	105	94	111	18
19	98	106	94	106	95	105	94	106	95	103	96	109	97	104	92	110	19
20	97	107	96	106	95	105	94	106	94	102	99	105	97	105	93	108	20
21	97	108	95	104	95	107	96	106	95	108	99	102	98	105	95	107	21
22	96	106	93	104	95	105	92	103	93	105	99	101	96	106	94	111	22
23	96	104	95	103	95	108	94	104	94	106	98	102		104		106	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

AUGUST 1915.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	89	111	95	113	97	104	90	107	94	100	92	103	95	107	93	107	Midnight
1h	92	108	93	110	98	101	96	104	95	102	97	101	93	107	96	109	1h
2	90	110	92	112	97	99	93	103	92	101	97	102	94	108	94	106	2
3	91	109	92	112	96	102	92	103	93	103	96	106	96	106	96	106	3
4	92	108	92	112	92	105	92	103	94	106	95	105	96	104	97	107	4
5	89	111	93	110	95	103	92	103	98	108	97	108	96	104	96	108	5
6	90	110	97	108	96	102	92	103	94	102	94	108	97	105	92	108	6
7	83	111	93	107	94	104	93	100	95	105	92	108	97	107	94	109	7
8	90	110	95	111	90	110	94	104	102	102	89	111	100	109	97	116	8
9	87	113	94	116	89	107	92	108	98	103	89	117	96	118	91	114	9
10	86	114	90	115	87	120	92	112	93	111	88	118	100	117	85	115	10
11	84	116	89	117	90	116	92	112	88	112	86	114	97	118	85	115	11
Noon	90	116	88	118	93	116	85	110	85	115	92	120	96	120	96	121	Noon
13h	88	118	89	117	88	118	86	114	84	111	96	120	93	117	92	120	13h
14	91	121	89	116	90	115	77	109	83	112	85	115	96	121	87	119	14
15	97	117	90	115	90	115	81	108	87	113	85	115	86	113	87	120	15
16	92	120	88	112	93	118	85	110	86	109	89	117	100	117	92	120	16
17	96	119	92	113	90	110	84	111	88	105	86	113	94	114	90	123	17
18	93	116	94	106	91	109	90	107	94	108	94	114	96	106	91	122	18
19	100	116	97	103	98	112	92	106	92	108	91	109	98	110	90	124	19
20	97	117	97	104	92	108	93	103	93	107	95	106	97	109	94	114	20
21	97	118	98	105	90	110	98	103	92	108	97	107	94	106	89	111	21
22	94	116	96	104	91	109	96	102	97	108	96	108	100	110	94	110	22
23	93	118	96	105	91	109	93	100	97	108	97	108	94	109	93	110	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	95	111	93	111	94	114	98	105	94	106	89	100	88	112	94·3	105·8	Midnight
1h	97	107	92	108	90	114	96	104	97	108	90	102	87	113	95·1	105·2	1h
2	98	106	91	109	91	114	95	105	95	108	92	108	87	112	94·5	105·2	2
3	93	107	90	110	92	112	97	104	96	104	94	101	86	114	94·5	105·7	3
4	94	108	88	108	93	111	98	106	98	104	87	105	92	119	94·5	106·2	4
5	94	106	92	112	90	106	97	105	96	98	93	107	85	115	94·5	106·2	5
6	95	106	92	112	93	110	96	104	97	101	94	102	89	117	94·6	105·6	6
7	96	104	91	110	95	112	97	104	96	102	96	102	92	119	94·3	105·9	7
8	93	110	94	115	91	109	98	102	93	107	92	103	96	120	94·4	107·5	8
9	89	116	93	117	89	111	95	112	92	108	88	112	89	117	92·7	111·0	9
10	93	118	93	118	93	117	88	118	92	108	87	113	95	123	92·1	113·2	10
11	96	122	84	111	92	118	89	108	98	112	80	120	85	122	90·3	113·6	11
Noon	85	115	84	116	96	118	92	112	94	109	95	111	95	124	90·9	113·8	Noon
13h	92	119	88	118	97	117	92	112	89	111	80	113	90	124	90·2	113·7	13h
14	92	120	84	116	90	115	90	110	91	109	77	115	95	123	88·6	113·9	14
15	87	113	88	118	93	117	93	107	87	113	77	110	96	123	88·2	113·0	15
16	81	112	85	115	97	116	89	111	85	116	84	111	92	118	88·6	113·6	16
17	90	114	86	114	90	110	93	107	91	109	85	106	93	116	90·0	111·4	17
18	87	113	90	115	94	108	93	107	93	107	88	108	96	119	93·1	108·6	18
19	90	114	94	115	98	105	96	104	96	106	93	110	98	112	94·9	108·0	19
20	92	112	93	116	98	106	96	102	95	107	84	111	97	117	94·9	106·8	20
21	90	110	94	115	98	104	97	103	95	105	92	106	97	115	94·9	106·9	21
22	92	108	91	114	95	105	93	103	97	103	90	104	97	113	94·9	106·4	22
23	90	110	95	113	95	105	99	107	89	105	91	109	98	112	94·6	106·5	23

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of AUGUST 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour. Mauritius Standard Time.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	14d.	15d.	19d.	21d.	Hour. Mauritius Standard Time.
	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	
Midnight	4	4	5	5	6	1	0	2	28	5	0	Midnight
1h	2	5	4	8	4	0	7	1	5**	2	2	1h
2	3	5	1	5	4	2	4	5	31*	31	1	2
3	5	4	2	5	4	4	5	3	4	2	2	3
4	6§	6	1	6	3	4	4	3	4	3	4	4
5	5	4	5	6	3	2	3	4	6	3	7	5
6	4	30**	5	6	3	1	6	3	4	3	2	6
7	4	6*	3	6	3	1	7	3	4	3	4	7
8	4	6	9	7	4	2	31	3	4	4	11	8
9	7	6	7	8	4	0	4	5	4	3	5	9
10	4	6	7	8	7	22**	4	4	4	5	5	10
11	4	5	5	8	6	4**	3	1	5	5	4	11
Noon	5	6	4	6	2	5	3	2	5	6	4	Noon
13h	2	5	5	10	24**	3	5	4	5	5	3	13h
14	4	5	4	5	3*	3	3	3	5	5	3	14
15	3	5	4	6	4	2	4	5	3	5	4	15
16	4	5	4	6	2	4	4	4	4	6	3	16
17	4	6	5	4	1	4	4	4	6	4	2	17
18	4	5	5	6	1	0	3	5	4	4	5	18
19	4	6	4	5	2	4	5	6	5	7	4	19
20	4	6	2	5	31	4	4	7	5	4	4	20
21	4	5	6	5	2	3	4	5	5	4	4	21
22	4	6	6	6	31	3	2	4	6	4	6	22
23	3	5	5	6	4	0	7	4§§	4	4	6	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of Three HOURS between 0h. and 21h. during the MONTH of AUGUST 1915.

Day of the Month.	9ins.								6ins.								3ins.							
	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1d	71·8	71·3	70·8	70·5	70·4	70·7	71·5	72·0	71·0	70·3	69·8	69·5	69·5	70·7	72·1	72·1	69·2	68·3	67·7	67·9	69·9	75·1	74·3	72·3
2	72·3	71·7	71·0	70·7	70·4	71·2	72·5	73·2	71·9	70·6	69·8	69·5	69·7	71·6	73·5	73·6	69·7	68·0	66·8	67·4	73·4	79·1	77·7	74·4
3	73·2	72·4	71·8	71·0	70·3	70·5	70·8	71·6	72·4	71·3	70·0	69·2	68·7	69·6	71·0	71·3	70·5	67·5	65·6	64·9	67·9	72·1	74·4	71·8
4	71·8	71·2	70·7	70·4	70·1	70·7	71·6	72·3	71·0	70·0	69·4	68·9	69·0	70·9	72·4	72·3	69·7	67·8	66·6	66·5	73·0	76·5	76·3	72·3
5	71·3	71·6	70·8	70·0	69·6	70·3	71·2	71·9	71·1	70·1	68·9	68·1	68·4	70·5	71·7	72·0	68·5	66·4	64·6	64·6	72·2	75·6	75·7	72·0
6	72·0	71·4	70·5	70·0	69·6	70·0	70·9	71·6	71·0	69·9	68·8	68·1	68·1	70·1	71·1	71·5	69·0	66·1	64·1	64·0	71·7	74·1	74·4	71·5
7	71·8	71·0	70·0	69·5	69·1	69·1	70·0	70·8	70·2	69·4	68·0	67·4	68·3	68·7	70·4	70·7	68·1	60·3	58·1	63·5	68·7	73·0	74·0	71·2
8	71·0	70·4	69·9	69·3	69·2	69·6	71·0	71·4	69·6	68·7	68·1	67·7	68·1	69·5	72·7	72·0	70·1	65·6	64·8	66·2	70·9	76·0	76·0	72·4
9	71·7	71·1	70·4	69·3	69·4	70·1	71·2	72·0	70·9	69·9	69·1	68·3	68·4	70·6	72·1	72·1	69·1	67·0	65·4	64·9	72·4	77·7	76·1	72·4
10	72·0	71·3	70·5	69·9	69·3	69·8	70·9	71·8	71·0	69·9	68·7	68·0	67·7	69·5	71·5	71·8	69·1	66·4	64·2	63·9	68·7	75·4	76·2	72·4
11	71·8	71·2	70·5	70·1	69·9	70·4	71·7	72·1	70·9	69·9	69·0	68·6	69·0	70·8	72·4	72·3	68·7	67·1	66·2	67·1	72·2	77·8	75·3	72·8
12	72·2	71·7	70·8	70·3	69·9	70·4	71·6	72·3	71·6	70·5	69·0	68·4	68·8	71·0	72·4	72·2	69·7	67·2	64·7	64·9	72·4	77·5	75·7	72·1
13	72·1	71·5	70·7	70·1	69·6	70·2	71·6	72·8	71·2	70·0	68·9	68·1	68·3	70·7	73·0	73·4	68·8	66·1	64·6	64·6	72·2	79·7	79·4	75·0
14	73·1	72·2	71·1	70·7	70·3	70·7	72·1	72·6	72·6	70·9	69·4	68·9	69·0	71·0	72·9	72·3	71·0	68·4	65·0	65·6	72·7	78·0	75·9	71·9
15	72·5	72·4	70·7	70·1	69·7	70·3	72·1	73·3	71·2	71·0	68·9	68·1	68·3	70·8	73·7	74·0	68·1	65·7	64·4	65·0	72·5	80·8	79·9	75·7
16	73·3	72·7	72·1	71·2	70·9	72·7	73·0	74·0	73·7	71·5	70·6	69·7	69·9	72·5	74·5	74·5	72·0	68·6	67·3	67·2	74·1	81·5	80·2	76·0
17	73·9	73·4	72·8	72·4	72·1	72·8	73·7	74·1	73·1	72·5	72·0	71·6	71·7	73·4	74·6	74·5	72·2	72·2	70·4	71·0	75·0	80·0	77·9	75·2
18	74·0	73·5	72·8	72·3	72·2	72·4	74·0	74·9	73·6	72·6	70·7	71·2	71·4	73·2	75·4	75·3	72·7	70·5	69·1	69·4	75·0	81·7	80·0	76·2
19	74·7	73·9	72·8	72·0	71·5	72·1	73·4	74·3	73·9	72·6	71·0	70·2	70·6	72·3	74·7	74·9	72·0	69·1	66·6	67·1	75·0	79·6	79·5	76·3
20	74·5	73·9	73·1	72·2	71·7	72·4	74·0	74·6	73·9	73·9	72·4	70·5	70·8	73·0	75·0	75·2	72·8	70·2	69·0	68·6	75·7	81·1	80·7	76·5
21	74·8	73·8	72·8	72·2	71·5	71·5	72·1	72·7	74·1	72·4	70·8	70·2	70·2	71·3	72·7	72·6	72·4	69·0	66·5	66·9	71·1	76·2	75·5	72·2
22	72·7	71·9	71·0	70·4	69·9	70·4	72·0	73·1	71·6	70·3	69·0	68·2	68·4	70·8	73·3	73·3	68·9	66·4	64·2	64·6	72·3	79·4	78·3	74·1
23	73·2	72·6	71·9	71·3	70·9	71·4	72·4	73·2	72·1	71·3	70·3	69·4	69·5	71·6	73·4	73·4	70·2	68·9	66·8	66·9	72·2	78·4	77·2	74·6
24	73·3	72·8	71·9	71·6	71·3	71·5	71·4	73·0	72·5	71·6	70·6	70·1	70·5	71·9	73·3	73·1	71·4	69·6	68·4	69·0	73·6	77·0	76·0	73·0
25	73·3	71·2	71·5	71·1	70·8	71·1	72·1	72·3	72·4	71·4	70·5	69·8	70·0	71·6	72·7	72·5	69·2	69·2	68·0	67·8	72·7	76·5	75·3	72·0
26	72·2	71·8	71·3	71·2	71·2	71·7	72·4	73·1	71·3	70·9	70·4	70·4	71·0	72·5	73·5	73·7	70·0	69·5	69·0	69·6	74·5	77·8	77·2	69·8
27	73·3	72·8	72·5	72·3	72·0	72·6	73·9	74·4	73·0	72·3	71·9	71·5	72·0	73·7	75·0	74·8	73·1	71·6	70·8	70·8	76·9	80·4	79·1	75·7
28	74·3	73·7	72·7	72·5	72·0	72·6	74·4	75·7	73·2	71·3	71·2	70·9	71·1	73·4	76·3	76·5	71·4	71·2	68·1	68·5	74·7	78·9	78·3	78·5
29	75·9	75·1	74·2	72·4	72·8	73·0	73·7	74·3	75·1	74·0	72·9	72·0	71·8	72·8	73·9	73·9	74·5	71·9	69·5	70·0	74·2	75·9	77·2	74·6
30	74·0	73·4	72·5	71·9	71·6	72·4	74·1	75·2	72·9	72·0	70·9	70·3	70·9	73·4	75·7	75·7	71·3	69·4	67·5	67·8	76·6	83·0	81·5	77·4
31	75·4	74·7	74·1	73·5	73·3	73·5	74·0	74·5	74·9	73·9	73·1	72·6	72·8	74·0	74·8	74·8	74·5	72·7	71·1	71·0	74·4	78·8	77·2	74·5
Mean	73·05	72·41	71·65	71·08	70·75	71·26	72·33	73·10	72·25	71·21	70·14	69·54	69·75	71·54	73·30	73·32	70·57	68·32	66·62	67·00	72·87	77·89	77·18	73·77

* Direct. ** Retrograde § Changed to 27 (direct) and back (retro) to 6 between 4h. and 5h.

§§ Changed to 20 (retro) and back (direct) to 28 between 23h. and 0h.

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of AUGUST 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.			River System No. 4.			River System No. 5.			
	Grand Gaube.	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte.*	Riche Fund.	Constance d'Arifat.	St. Julien. P.O.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
August 1d	Register not received.	0·13	...	0·24	0·04	0·07	0·04	0·08	0·12	0·36	0·55	0·12	0·60	...	1·03	0·10
2		...	...	0·01	...	...	...	...	0·02	0·05	0·25	0·15	0·30	1·05	0·09	0·01
3		...	...	...	...	0·02	0·10	...	0·09	...	0·04	...	0·16	0·15	...	...
4		...	...	...	...	..	...	...	...	0·04	...	...	0·05	...	...	...
5		0·05	0·08	0·04	...	...	0·04	...	0·03	...	...	...	0·04	...	...	..
6		0·02	...	...	0·02	...	...	...	...	...	...	...	...	...	...	...
7		...	...	...	...	...	...	...	...	...	0·55	...	...	0·10	...	...
8		0·09	...	0·03	0·01	0·06	0·12	0·24	0·20	0·52	...	0·22	0·37	0·15	0·20	0·18
9		0·03	...	0·02	...	...	...	...	...	0·02	...	0·10	0·20	0·11	0·16	...
10		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12		...	.	...	...	...	...	...	...	...	..	0·11	...	...	...	...
13		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14		...	...	...	...	...	...	...	...	...	...	...	...	0·35	...	...
15		...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
16		...	...	...	...	...	...	...	...	0·15	...	...	0·11	...	...	...
17		...	...	...	...	...	0·46	...	...	1·62	1·00	...	...	0·10	...	0·04
18		0·10	...	0·15	0·05	0·16	...	...	0·36	0·08	...	0·08	0·55	...	0·36	...
19		...	...	...	...	.	...	...	...	0·23	...	...	0·13	0·35	...	...
20		...	...	...	...	...	0·28	...	0·01	...	...	...	0·25	...	...	...
21		0·15	...	...	0·02	...	...	...	0·15	1·05	...	...	0·04	...	...	0·14
22		...	0·04	0·08	0·04	...	...	0·15	0·26	0·14	0·45	...	...	...	0·11	...
23		...	...	...	...	...	...	...	0·01	0·24	...	...	...	...	...	...
24		0·07	0·22	0·15	0·05	0·10	0·04	0·07	0·16	0·40	0·05	0·05	...	...	...	...
25		0·19	0·18	0·27	0·11	0·32	0·34	0·14	0·27	0·58	0·45	0·21	0·92	0·20	0·07	0·13
26		0·21	...	0·25	0·17	0·21	0·12	0·11	0·35	0·50	0·53	0·05	0·75	0·45	0·22	0·03
27		0·06	...	0·09	0·06	...	0·12	0·08	0·09	...	0·49	0·04	0·79	0·25	0·18	...
28		...	...	...	0·02	...	...	...	...	..	...	...	...	...	...	...
29		...	...	0·03	...	...	...	...	0·05	...	...	...	0·17	...	...	...
30		...	0·33	...	...	...	...	...	...	3·00	2·23	...	...	...	...	0·15
31		0·32	...	0·59	0·40	0·82	0·64	0·58	1·27	0·73	0·13	0·40	0·72	0·50	0·55	0·07
Total ...	...	1·42	0·85	1·95	0·99	1·76	2·30	1·45	3·44	9·71	6·72	1·53	6·15	3·76	2·97	0·85

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of AUGUST 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens.	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
August 1d	0·45	0·52	0·50	0·41	0·80	0·64	...	...	...	0·03	0·42	...	...	0·03	...	...
2	0·20	0·22	0·25	0·23	0·21	0·18	0·21	...	...	0·01	0·25	...	...	0·08	...	...
3	...	0·14	0·02	...	...	...	...	...	...	...	0·09	...	0·04	0·17	0·05	...
4	...	...	0·03	...	...	...	...	...	...	0·14	0·02	...	0·03	...	0·01	...
5	...	0·05	0·10	...	...	...	0·07	...	...	0·06	0·16	0·19	0·03	0·04	0·02	...
6	...	...	...	...	...	...	0·10	...	...	...	0·06	...	0·02	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	0·01	0·16	0·01	...
8	...	0·19	0·30	...	0·18	...	0·44	...	...	0·02	0·62	...	...	0·06	0·01	0·05
9	...	0·05	0·15	...	0·05	0·17	0·24	...	...	0·15	0·19	...	0·03	...	...	...
10	...	...	0·13	...	...	...	...	...	...	...	0·03	...	0·01	...	0·01	...
11	...	...	0·04	...	0·08	...	...	...	...	..	...	...	...	...	...	...
12	...	0·13	0·03	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	0·12	...	...
17	0·18	...	...	...	...	...	0·01	...	...	0·02	0·09	...	0·01	1·26	0·01	...
18	0·25	0·57	1·15	0·52	0·70	0·30	0·17	...	...	0·30	1·11	...	0·08	...	0·04	...
19	0·05	0·17	0·10	...	0·10	0·02	0·14	...	...	...	0·19	...	0·03	0·05	0·02	...
20	...	0·04	0·40	...	...	...	0·15	...	...	...	0·29	...	0·01	...	...	...
21	...	0·04	0·30	0·14	...	...	0·14	...	...	...	0·03	...	0·03	0·19	0·04	...
22	0·25	0·38	0·55	0·07	0·40	...	0·50	...	...	0·17	0·85	...	0·03	...	0·02	...
23	...	...	0·03	0·09	0·04	...	...	...	...	...	...	...	0·02	0·20	...	...
24	...	0·08	0·30	0·16	0·11	...	0·04	...	...	0·06	0·31	...	0·04	0·73	0·04	...
25	...	0·14	0·32	...	0·16	...	0·23	...	...	0·35	0·60	0·23	0·03	0·47	0·45	...
26	0·25	0·45	0·75	0·19	0·50	0·58	0·45	...	...	0·45	1·52	0·21	...	0·22	0·45	0·08
27	0·16	1·10	0·90	...	0·56	0·20	0·07	...	...	0·38	1·28	...	...	...	0·18	0·06
28	...	...	...	...	0·16	...	...	...	...	...	...	...	...	...	0·02	...
29	...	0·08	0·15	0·34	...	...	0·07	...	...	...	0·24	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	0·03	...	...	1·26	...	...
31	0·16	1·11	1·42	...	0·52	0·10	1·65	...	...	0·70	1·95	0·34	...	0·65	0·45	0·03
Total ...	1·95	5·46	7·92	2·15	4·57	2·19	4·68	0·00	0·00	2·84	10·33	0·97	0·44	5·69	1·83	0·22

* Residence.

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
AUGUST 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending \ Day.	4d.	7d.	8d.	17d.	18d.	21d.	24d.	25d.	26d.	30d.	31d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	...	...	...	...	·015	...	...	·125
2	...	...	...	...	...	...	...	...	...	...	·045
3	...	...	...	.	...	...	...	·010	...	...	·005
4	...	...	...	...	...	.	...	·005	·005	...	·025
5	...	...	...	...	...	...	...	...	·005	...	...
6	...	...	...	...	...	...	·005	...	·015	...	·025
7	...	...	...	...	...	...	·010	...	·005	..	·035
8	...	...	·015	...	·005	·015	·010	...	...	...	·025
9	...	...	...	...	...	...	...	...	...	...	·040
10	...	...	...	...	...	·050	·020	...	...	...	...
11	...	...	...	...	...	·015	...	...	...	...	...
Noon	...	...	...	...	...	...	·005	...	·020	...	...
13h	...	...	...	·010	..	...	·020	·005	...	...	...
14	...	...	...	...	...	...	·005	...	...	...	...
15	...	...	...	...	...	...	·005	·050	...	...	...
16	...	...	...	...	...	...	...	·005	·005	...	...
17	·005	...	...	...	...	...	·010	·030	...	...	...
18	...	...	...	...	...	.	...	...	...	...	...
19	...	·005	...	·005	...	...	...	·025	...	...	·005
20	...	..	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	·005	...	...	...	·005	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...
Midnight	...	...	...	...	...	...	..	...	...	·025	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	17d.	18d.	19d.	20d.	21d.	22d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	·01	...	...	..	...	...	...	...		...	...	...	...	...	...						...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						...	...	...	...
3	·02	...	..	·01	...	...	...	.	...	...	...	...	...	...	...						...	...	...	...
4	·03	...	...	...	..	...	...	·01	.	...	...	...	·06	...	...						...	...	...	...
5	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...						...	...	...	...
6	03	...	...	...	...	...	...	·01	...	·01	...	..	...	...	·09						...	...	...	...
7	·09	...	...	...	·05	·07	·01	...	...	...	...	..	·01	...	·04						...	...	...	...
8	·05	...	·01	...	...	...	...	...	·01	...	...	·01	...	·01	·11						...	...	...	...
9	·05	·02	...	...	·03	..	...	·01	..	...	...	...	...	...	...						...	...	...	...
10	...	...	...	...	...	...	...		...		·01	...	...	...	...						·02	...	·03	...
11	...	...	...	...	...	...	...	.		...	...	...	...	...	...						...	...	·02	...
Noon	...	...	...	...	...	...	...	...	...	...	·07	...	·03	...	...	Register defective.					...	...	...	...
13h	...	.	...	...	...	...	...	...	...	...	·06	...	...	...	...	Total fall inferred 1in·01.					...	...	·05	·01
14	...	...	...	..	...	...	...	...	·05	...	·12	...	...	...	...						·02	...	·03	...
15	·01	...	...	...	...	...	...	..	...	...	·03	...	...	...	...						...	...	·04	...
16	·03	...	...	...	...	...	...	...	...	..	·02	...	...	...	...						·02	...	·01	...
17	·01	...	...	...	..	...	...	.	...	...	·10	...	...	...	...						...	...	·05	·08
18	·05	...	...	...	...	...	...	.	.	...	·11	·02	...	...	...						...	...	...	...
19	...	...			...	...		...	.	...	·02	...	...	...	...						...	...	·09	...
20	...	...	...	...	...	...	...	...	...	...	·02	..	...	...	...						...	·01	...	...
21	...	...	...	.	...	...	..	...	...	..	...	...	...	...	...						...	...	...	·02
22	...	·02	...	...	...	...	..	...	...	...	...	...	...	...	...						...	...	...	...
23	...	...	...	...	...	...	..	..		..		...	...	...	...						...	...	...	...
Midnight	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...						...	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of AUGUST, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	1·54	1·06	7
	2	Union *	200	1·45	...	7
	3	St. Antoine ...	50	1·42	1·87	12
	4	Bel Mont	50	1·47	1·67	10
	5	Poudre d'Or ...	20	1·57	1·75	11
	6	Poudre d'Or Hospital	10	1·45	1·03	5
	7	Mon Loisir (R) ...	300	1·55	2·53	7
	8	Mon Loisir (S.E.) ...	300	2·27	2·36	10
	9	Forbach	300	1·02	1·24	7
	10	Labourdonnais ...	290	0·85	2·84	5
	11	Beau Séjour ...	300	1·95	3·64	13
	12	Mont Piton ...	860	2·85	3·61	11
	13	Mon Choix... ...	700	2·20	3·07	5
	14	Antoinette	640	1·99	3·47	7
	15	California	850	1·24	3·79	6
	16	Nouvelle Découverte	1,400	1·76	4·05	7
	17	Mon Songe... ...	620	2·51	3·86	10
	18	La Grande Rosalie ...	643	1·65	3·65	7
	19	The Mount ...	325	1·15	3·17	4
	20	Botanic Gardens ...	225	0·99	2·89	12
	21	Beau Plan ...	195	1·04	2·57	8
	22	The Observatory ...	179	0·78	2·48	11
	23	Solitude *	175	0·15	...	1
	24	St. André * ...	90	0·85	...	1
	25	Belle Vue Harel ...	350	1·17	1·49	6
	26	Mont Choisy ...	10	0·64	1·54	4
	27	Belle Vue Pilot* ...	...	1·07	...	6
2&3	1	Union (Régnard) ...	600	1·13	3·42	13
	2	La Grande Retraite*	350	2·23	2·46	8
	3	Constance d'Arifat...	100	1·45	2·84	8
	4	St. Julien P.O. * ...	1,050	3·44	...	16
	5	Rich Fund * ...	600	2·30	...	11
	6	Constance (Manès)*	...	1·56	...	7
4	1	Sans Souci	900	9·71	7·89	17
	2	Etoile	400	6·72	5·31	12
	3	Beau Champ ...	20	1·53	2·32	11
	4	Belle Rive * ..	400	6·31	...	16
	5	Olivia *	400	4·53	...	11
	6	Deep River* ...	350	4·66	...	13
5	1	Rose Belle* ...	850	6·15	...	17
	2	Cent Gaulettes ...	500	6·86	6·52	17
	3	St. Hubert § ...	400	...	...	...
	4	Riche-en-Eau ...	460	3·76	4·38	12
	5	Ferney	20	2·97	4·14	10
	6	Beau Vallon (R) ...	60	0·85	2·97	9
	7	Union Vale	200	1·71	2·26	7
	8	Mon Désert(Carié)...	75	1·18	1·89	13
	9	Riche Bois * ...	1,420	4·60	...	31
	10	Cluny	1,000	7·04	8·89	16
6	1	Kanaka	2,000	13·77	9·45	20
	2	Tivoli ...	1,300	9·89	8·50	19
	3	La Flora*	1,050	7·92	...	22
	4	Britannia (No. 1)...	730	5·46	6·01	18
	4 a	Britannia (No. 2)*	600	3·15	...	24
	5	Gros Bois	500	3·28	5·94	21
	6	Savannah (Residence)	200	2·15	4·78	12
	7	Savannah, (Mill) ...	200	1·19	3·87	10
	8	St. Aubin	300	1·95	4·22	9
	9	Union Bel Air ...	90	4·09	4·24	14
	10	Beau Bois	350	4·57	5·69	15
	11	Labarracq * ...	250	2·15	...	9
	12	St. Avold * ...	900	8·16	...	15
	13	Terracine	100	1·70	2·90	11
7,8&9	1	Bel Ombre * ...	50	2·19	...	8
	2	Chamarel ...	400	4·68	4·39	17
10		No returns ...				
11	1	Les Gorges* ...	...	3·65	...	18
	3	Curepipe Gardens ...	1,840	5·85	7·54	20
	4	Mare-aux-Vacoas ...	1,850	10·33	10·31	22
	5	La Marie Filter Bed	1,700	3·68	4·66	19
	6	Réunion	1,420	2·84	5·18	14
	7	Tamarin	150	0·00	...	0
	8	Clarens *	150	0·00	...	0
12	1	The Manse ...	850	0·75	1·69	12
	2	The Bower § ...	1,080	...	...	...
	3	Le Réduit (D.of A.)	1,000	0·44	2·36	16
	4	Alma	1,460	5·69	7·15	16
	5	Minissy *	1,150	1·94	...	7
	6	Bagatelle ...	1,250	2·71	4·34	16
	7	Highlands * ...	1,300	4·24	...	18
	8	Trianon	950	1·68	2·84	10
	9	Salency	923	0·97	2·20	4
	10	Military Camp (V.)..	1,370	1·83	3·24	17
	11	La Ferme * ...	350	0·22	...	4
	12	Bon Air	1,050	1·66	2·91	7
	13	Val Ory	1,100	1·19	2·59	18
	14	Pieter Both (Este.)*	...	3·28	...	10
	15	Roslyn Cot. (Este.)*	...	2·17	...	7
	16	Agrément (Estate) *	...	2·89	...	7
	17	Circonstance (Ete.)*	...	4·48	...	6
13	1	Salines(Roche Bois)*	10	0·10	...	1
	2	The Albion Dock ...	18	0·00	0·76	0
	3	Line Barracks ...	10	0·00	0·86	0

* Normals not available § Record not received † Bon Accueil.

NEW SERIES (MONTHLY). VOL. I. PART 9. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

SEPTEMBER, 1915.

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

NEW SERIES (MONTHLY). VOL. I. PART 9. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

SEPTEMBER, 1915.

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1915.

Month and Day. 1915.	Barometric Pressure. Mean	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
Sept. 1	29·953	−·046	78·6	65·5	13·1	70·9	+2·4	66·9	63·9	+ 4·6	79	+ 6	·593	62·2	0·000	...	·150	6·8
2	29·936	−·063	79·3	64·1	15·2	70·9	+2·4	66·4	62·9	+ 3·6	76	+ 3	·573	57·2	0·000	...	·190	4·5
3	29·931	−·067	79·6	61·2	18·4	68·9	+0·3	65·9	63·6	+ 4·3	84	+11	·587	61·3	0·245	170	·165	6·0
4	29·965	−·033	77·7	63·7	14·0	69·8	+1·2	64·0	59·4	0·0	70	− 2	·506	53·4	0·000	...	·110	3·0
5	30·008	+·011	76·5	59·4	17·1	68·7	0·0	62·1	56·8	− 2·6	66	− 6	·461	52·5	0·000	...	·200	2·6
6	30·020	+·023	76·9	60·1	16·8	68·9	+0·2	62·4	57·2	− 2·2	67	− 5	·468	53·6	0·000	...	·210	4·0
7	30·050	+·054	75·6	63·6	12·0	68·3	−0·5	64·9	62·2	+ 2·7	81	+ 9	·559	60·1	0·140	70	·170	7·2
8	30·072	+·077	77·1	66·7	10·4	70·4	+1·5	64·3	59·6	+ 0·1	69	− 3	·510	63·5	0·015	15	·145	5·5
9	30·042	+·047	77·3	64·8	12·5	70·8	+1·9	64·3	59·3	− 0·2	67	− 5	·504	58·8	0·000	...	·080	5·2
10	30·032	+·038	77·4	66·4	11·0	70·4	+1·4	65·3	61·3	+ 1·7	73	+ 1	·541	64·0	0·090	25	·250	5·1
11	30·019	+·026	75·7	65·9	9·8	69·8	+0·8	66·4	63·5	+ 3·9	82	+10	·585	61·5	0·175	80	·165	6·7
12	29·993	·000	76·6	64·5	12·1	69·4	+0·3	64·5	60·5	+ 0·8	74	+ 2	·526	55·6	0·055	40	·205	4·0
13	29·955	−·037	78·7	61·5	17·2	69·6	+0·4	64·0	59·5	− 0·2	71	− 1	·508	55·0	0·000	...	·140	4·9
14	29·943	−·048	78·2	63·7	14·5	69·8	+0·5	64·6	59·7	0·0	73	+ 1	·511	57·4	0·050	35	·280	5·5
15	29·937	−·054	77·7	59·0	18·7	68·5	−0·8	61·6	56·0	− 3·7	65	− 7	·448	51·8	0·000	...	·210	2·3
16	29·927	−·063	78·8	60·9	17·9	69·1	−0·3	62·5	57·3	− 2·5	66	− 6	·469	54·5	0·000	...	·230	2·1
17	29·973	−·016	76·0	58·7	17·3	66·9	−2·5	61·2	56·7	− 3·1	70	− 2	·459	52·5	0·000	...	·180	3·9
18	29·970	−·018	76·0	59·4	16·6	67·7	−1·8	59·7	53·3	− 6·5	60	−12	·406	51·2	0·000	...	·230	4·2
19	29·947	−·040	73·8	56·7	17·1	65·8	−3·8	59·6	54·5	− 5·4	67	− 4	·424	47·7	0·010	10	·130	6·6
20	29·954	−·032	74·7	58·1	16·6	66·3	−3·4	60·3	55·4	− 4·5	68	− 3	·438	49·9	0·005	5	·145	7·2
21	29·948	−·037	76·9	59·8	17·1	67·9	−1·8	60·6	54·7	− 5·2	63	− 8	·427	51·0	0·040	30	·120	5·4
22	29·928	−·056	78·2	60·1	18·1	68·4	−1·4	62·5	57·6	− 2·4	69	− 2	·475	51·3	0·000	...	·110	4·6
23	29·906	−·076	79·6	61·7	18·9	69·6	−0·3	64·6	60·7	+ 0·6	73	+ 2	·530	54·5	0·000	...	·200	3·5
24	29·911	−·070	79·8	61·1	18·7	70·3	+0·3	64·9	60·6	+ 0·5	72	+ 1	·528	54·3	0·000	...	·080	5·8
25	29·908	−·072	81·0	61·6	19·4	71·2	+1·2	64·4	59·2	− 1·0	66	− 5	·502	55·1	0·000	...	·190	5·4
26	29·938	−·041	75·5	65·1	10·4	69·7	−0·4	61·3	54·6	− 5·7	59	−12	·426	55·0	0·000	...	·08	3·6
27	29·968	−·009	77·1	65·3	11·8	70·6	+0·4	61·0	53·7	− 6·6	55	−16	·412	60·4	0·000	...	·19	7·2
28	29·929	−·046	77·2	66·0	11·2	70·3	0·0	64·9	60·7	+ 0·3	72	+ 1	·530	59·6	0·110	70	·190	7·1
29	29·830	−·143	76·8	67·6	9·2	71·2	+0·8	67·5	64·7	+ 4·2	80	+ 9	·610	64·9	0·125	120	·225	9·1
30	29·786	−·186	80·9	66·1	14·8	72·6	+2·1	67·8	64·3	+ 3·7	75	+ 4	·601	60·9	0·000	...	·290	6·8
Mean	29·956	−·032	77·5	62·6	14·9	69·4	0·0	63·7	59·1	− 0·7	70·4	−1·3	·504	56·4	Sum 1·060	Sum 670	·175	5·2
Average	29·998	...	77·6	62·4	15·2	69·4	...	64·0	59·8	...	71·7	...	·513	59·8	1·533	959	·186	5·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of September.

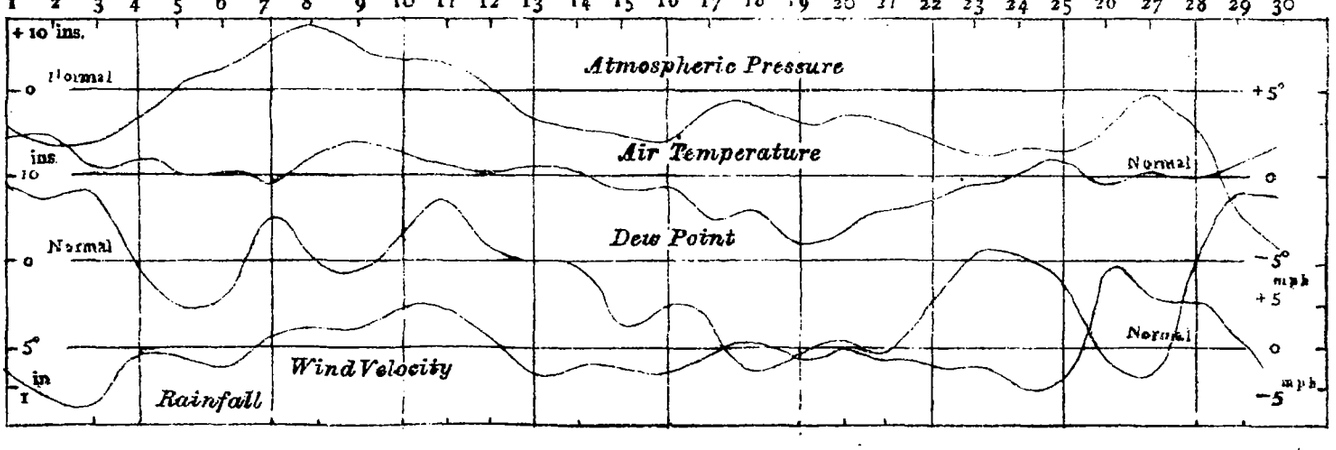


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches.	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
Sept. 1	8·8	75	− 0·4	+ 10·1	88	10·1	+ 19	− 1·0	10·4	− 2·2	77·3	75·3	74·10	74·19	75·81	c.p. : c.f. : f.
2	10·1	86	+ 1·6	+ 5·2	107	5·4	+ 37	− 5·7	6·9	− 5·6	76·7	75·2	75·32	75·37	76·48	f. : c. : f.
3	5·0	43	− 1·4	+ 0·6	23	1·5	− 47	− 9·6	5·9	− 6·6	76·8	75·2	75·32	74·91	75·28	f. : c.g. :ogr: c.
4	10·4	89	− 6·7	+ 9·3	54	11·4	− 16	+ 0·3	11·9	− 0·6	77·1	75·3	75·02	74·92	75·77	f. : b.
5	11·0	94	− 6·0	+ 9·6	58	11·3	− 12	+ 0·2	11·6	− 0·8	76·9	75·1	75·08	74·89	75·43	c. f.
6	11·1	95	− 3·9	+ 9·1	67	9·9	− 3	− 1·2	10·4	− 2·0	76·7	75·0	75·11	74·87	74·94	f. : f.q. : : f.
7	7·7	65	− 2·9	+ 13·0	77	13·3	+ 7	+ 2·3	13·7	+ 1·4	76·7	75·3	75·00	74·61	74·20	b. : c.g.p. : c.
8	9·1	77	− 6·7	+ 12·7	62	14·3	− 8	+ 3·3	14·6	+ 2·3	76·9	75·0	74·53	74·40	75·21	c. : c.p:c.g.: f. : b. : f.
9	10·3	87	− 8·0	+ 12·3	57	14·7	− 13	+ 3·7	15·0	+ 2·7	76·5	75·2	75·20	74·95	75·71	c. : f. : c. : f. : b.
10	8·0	68	− 5·2	+ 15·4	71	16·3	+ 1	+ 5·3	16·6	+ 4·4	76·8	75·1	75·27	74·87	75·19	f. : c.p. : f.q. :c.p.:f.q.
11	6·0	51	− 1·9	+ 16·6	84	16·7	+ 13	+ 5·8	16·9	+ 4·7	77·1	75·3	74·59	74·11	73·89	c.p.q. :c.g.p.q.: f.
12	8·5	72	− 3·1	+ 13·1	77	13·5	+ 6	+ 2·6	13·8	+ 1·7	76·8	75·2	73·86	73·46	73·62	b. :c.p: :f.q. : f.
13	7·1	60	− 4·2	+ 6·8	58	8·0	− 13	− 2·9	8·3	− 3·8	76·7	75·2	74·06	73·77	74·55	f. : c.g: f.
14	6·3	53	− 4·3	+ 9·0	64	10·0	− 7	− 0·8	10·4	− 1·7	76·6	75·2	74·78	74·78	76·38	c.p.: f. :c.d.: f. : c. : f. : b.
15	10·4	87	− 3·7	+ 8·7	67	9·4	− 4	− 1·4	9·8	− 2·2	76·7	75·3	75·36	74·95	76·12	b. : f. : b.
16	10·8	91	− 2·6	+ 8·1	72	8·5	0	− 2·2	9·0	− 3·0	77·1	75·5	76·12	76·09	77·73	b. : f.
17	7·6	63	− 8·8	+ 6·5	36	10·9	− 36	+ 0·2	11·5	− 0·5	76·7	75·3	76·17	75·69	76·09	f. : c. : f. : b.
18	10·4	87	− 7·2	+ 8·6	50	11·2	− 22	+ 0·6	12·0	+ 0·1	77·1	75·6	75·65	74·96	75·01	b. : f. : c.
19	7·4	62	− 7·0	+ 7·4	47	10·2	− 25	− 0·4	10·9	− 1·0	77·0	75·7	75·33	74·81	75·30	c.g.p.q. : c.q. : f. : c.
20	6·2	52	− 7·7	+ 9·4	51	12·2	− 21	+ 1·6	12·4	+ 0·6	76·5	76·2	74·58	73·87	74·68	f. :c.p: c.
21	9·5	79	− 4·4	+ 9·9	66	10·8	− 6	+ 0·3	11·2	− 0·6	76·0	76·3	74·96	74·66	75·42	o.p.: f. : c. : f.
22	6·0	50	− 3·6	+ 8·7	68	9·4	− 4	− 1·1	10·0	− 1·8	76·6	76·3	74·85	74·25	74·73	c.p.: f. : c. : f. : c. : b.
23	10·0	83	− 1·1	+ 9·2	83	9·3	+ 10	− 1·1	9·8	− 1·9	76·4	76·8	75·18	75·09	76·05	b. : f.
24	3·9	32	− 2·1	+ 5·3	68	5·7	− 5	− 4·7	7·4	− 4·3	76·5	76·5	75·79	75·41	75·84	b. : f. : c.
25	9·3	77	− 2·9	− 0·5	350	3·0	+ 277	− 7·3	7·5	− 4·2	76·5	76·4	76·45	76·50	77·87	c. : f. : c. : f. : b.
26	10·9	90	− 16·6	+ 12·1	36	20·5	− 37	+ 10·2	21·2	+ 9·6	76·7	76·5	77·40	77·58	78·68	f. : c. b.q. : b. : f.
27	9·7	80	− 9·5	+ 14·7	57	17·5	− 16	+ 7·3	17·7	+ 6·1	76·5	76·4	77·35	76·89	77·74	c. :f.q:c.q.: c.
28	6·7	55	− 9·7	+ 14·1	55	17·1	− 19	+ 6·9	17·4	+ 5·8	77·0	76·3	77·21	76·68	77·61	f. :c.g.: c.q.p.
29	3·2	26	− 7·3	+ 9·8	53	12·2	− 21	+ 2·0	12·9	+ 1·4	76·5	75·8	76·86	76·54	77·12	o.g.p. :ogd : o.g. : c.
30	8·2	67	− 2·7	− 4·2	303	5·0	+ 229	− 5·1	7·4	− 4·1	76·7	75·8	76·44	76·85	78·30	f. : c.
Mean	8·32	69·9	− 5·00	+ 9·02	61·0	10·31	− 10·5	− 0·38	11·82	− 0·20	76·73	75·64	75·43	75·16	75·89	...
Average	8·12	68·1	− 3·40	+ 10·14	71·5	10·69	...	...	12·02	...	76·24	74·84	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The defect of pressure from the normal referred to last month became accentuated during September but the other elements have recovered somewhat. Temperature, although variable, was normal in the mean for the month ; humidity 1·3 % below normal. Wind direction was again more southerly. Very high velocities for the time of year were recorded on the 26th between 10h and 16h. (*See* table viii, page ix).

The highest dew point temperature was 68°·1 at 15h. on the 3rd ; and the lowest 48°·6 at 20h. on the 26th.

The highest relative humidity was 94°·9 % at 7h. on the 17th ; and the lowest 39·1 % at 11h. on the 21st.

Rainfall, still in defect in the Northern districts, was generally in excess of the normal in the central, eastern and south-eastern districts.

Rainfall at the Observatory was 31% below normal. The percentage variation from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	21 % below normal	
Eastern Districts	,, ,, 2, 3, 4.	1 % above ,,	
South-Eastern Districts	,, ,, 5 & 6	12 % above ,,	
Western Districts	River System 11	12 % above normal	
	,, ,, 12	11 % above ,,	
	,, ,, 13	24 % below ,,	

* South (0°) ; East (90°) ; North (180°) ; West (270°).

TABLE II.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of SEPTEMBER 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′				h m	h m	h m	″	h m	h m	h m	″	
Sept. 1	9.41·4	·23222	·30829	12·6	32	29	1416	...	...	...	...	1. 0·7	1.17·6	1.33·0	...	
2	40·4	223	826	9·0	34	38										
3	41·3	224	814	8·6	25	44										
4	42·2	227	810	7·8	23	32										
5	42·3	233	811	9·0	70	29										
6	41·9	230	811	9·0	18	33	1417	22.20·2	22.26·5	22.53·0	...	22.21·9	22.23·3	22 48·9	...	
7	41·8	234	811	9·2	27	34	1418	5.40·0	6.40·8	...	0·24	5.40·7	6.48·9	...	0·24	N.S.—2nd phase 5.57·8 E.W.—2nd phase 5.48·4 Minute tremors for several hours after disturbance with a slight recrudescence after 9.45.
8	42·1	236	804	10·4	17	52										
9	42·3	241	802	7·0	9	37										
10	42·3	238	806	7·6	34	32										
11	42·2	233	808	11·4	26	34										
12	42·1	238	809	9·8	26	25										
13	41·7	229	812	7·8	57	25										
14	42·3	226	805	6·0	28	22										
15	42·5	230	802	8·2	28	18										
16	42·3	227	805	6·2	48	13										
17	41·9	207	812	7·6	89	14										
18	41·9	211	819	6·0	24	18										
19	42·4	226	819	7·8	30	16										
20	42·1	229	808	10·2	28	35										
21	41·4	226	802	12·2	27	45										
22	42·4	212	805	8·8	85	28										
23	41·1	195	807	7·6	62	30										
24	42·1	203	807	9·0	46	27	1419	...	21.14·3	...	...	...	...	...	...	Very slight: seismic origin doubtful.
25	41·9	210	808	6·2	37	14										
26	41·5	216	804	7·2	47	19										
27	42·3	219	809	5·2	47	11										
28	42·1	211	810	6·4	29	14										
29	41·9	205	808	5·8	46	16										
30	41·7	195	806	6·0	61	11										
Mean	9.41·93	·23222	·30810	8·19	38·7	26·5	...	...	...	...	...	...	...	...	...	...

Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of SEPTEMBER 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.
d h m	° ′	d h m		d h m	° ′
Sept. 7. 8.47	9.44·0	Sept. 7. 9.28	·23240	Sept. 1. 9.42	52.59·5
13.52	9.39·4	13.17	·23244	4.10.39	52.58·8
15. 7.59	9.42·2	15. 9. 1	·23235	9.10.49	52.58·3
13.48	9.42·6	13.40	·23248	13.11.13	52.59·4
23. 8.38	9.42·4	23. 9.30	·23204	16.10.45	52.58·6
13.50	9.35·8	13.18	·23190	21.10.51	52.59·1
28. 8.00	9.42·5	28. 8.41	·23216	25.10.30	53. 0·7
13.49	9.39·4	13.32	·23205	29.11. 4	53. 0·5

MAGNETIC DISTURBANCES.

Element.	Time of. Beg:	Time of. End.	Time of. Max:	Time of. Min:	Total Range
	d h	d h	d h m	d h	
Hor. Force	16.18	18.4	17.11.41	17.16.45	98γ
Hor. Force	22.14.17*	25.3	23.22.30	22.19.50	88γ

* Decrease of Force 21γ.
Decl. 23·11 to 24·9. Register lost.

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

SEPTEMBER 1915.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	ins. 29·000																
Midnight	971	961	958	959	1023	1030	1041	1100	1078	1056	1054	1030	1008	961	968	959	Midnight
1h	964	948	951	951	1020	1011	1030	1084	1075	1041	1038	1017	993	961	961	944	1h
2	949	937	936	939	1011	1009	1021	1075	1059	1035	1025	1011	983	951	949	924	2
3	938	921	922	930	1002	1004	1010	1065	1051	1020	1010	990	961	934	931	916	3
4	938	910	912	928	998	1008	1006	1066	1040	1011	1011	980	955	931	922	910	4
5	939	912	912	932	992	1012	1024	1068	1032	1018	1021	981	960	941	926	915	5
6	949	914	922	948	1002	1028	1037	1081	1048	1025	1027	983	965	952	933	922	6
7	967	941	937	970	1020	1036	1051	1099	1056	1044	1031	997	971	969	951	940	7
8	981	961	953	982	1042	1042	1063	1113	1068	1060	1041	1008	982	980	960	950	8
9	989	972	959	993	1053	1049	1073	1123	1080	1062	1052	1023	991	983	963	956	9
10	990	970	962	996	1051	1048	1073	1122	1078	1063	1063	1022	983	982	955	953	10
11	972	953	942	985	1035	1039	1065	1101	1061	1051	1047	1008	962	966	942	937	11
Noon	962	935	923	965	1002	1029	1050	1072	1035	1035	1025	998	943	945	932	922	Noon
13h	937	912	899	946	982	1012	1029	1051	1007	1019	1001	976	922	924	922	902	13h
14	921	896	880	926	961	988	1021	1030	996	998	981	966	901	899	901	881	14
15	900	886	886	923	960	979	1010	1020	990	983	971	953	894	889	881	874	15
16	908	882	892	930	962	979	1021	1021	991	988	970	957	897	893	896	890	16
17	926	911	901	940	971	986	1030	1031	1006	994	979	960	902	904	899	901	17
18	940	930	921	961	985	1000	1050	1050	1017	1013	990	975	930	920	920	916	18
19	955	945	937	981	1003	1022	1069	1059	1027	1029	1004	980	949	930	939	930	19
20	968	958	951	1000	1020	1030	1087	1069	1046	1049	1019	998	961	942	950	940	20
21	978	964	960	1010	1033	1044	1105	1080	1059	1059	1029	1010	971	952	960	952	21
22	973	969	959	1019	1032	1050	1107	1080	1060	1060	1037	1009	979	960	967	960	22
23	966	967	960	1024	1028	1050	1102	1075	1060	1059	1030	1009	969	969	959	965	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
	ins. 29·000															
Midnight	974	1019	979	974	968	968	943	928	923	939	981	991	895	787	981	Midnight
1h	966	1001	966	956	960	950	925	925	910	924	971	975	871	765	968	1h
2	958	983	948	943	942	937	917	912	897	910	963	945	855	755	956	2
3	950	960	930	920	930	920	900	905	890	894	947	923	848	744	942	3
4	941	966	926	916	927	922	887	897	887	899	949	923	842	746	938	4
5	948	973	923	918	934	929	889	894	889	918	954	933	847	765	943	5
6	950	990	935	925	942	932	897	902	897	928	967	947	852	777	953	6
7	962	997	952	947	954	939	904	924	909	937	969	964	868	796	967	7
8	979	1004	964	959	971	951	916	936	921	951	994	968	883	811	980	8
9	1000	1005	980	980	982	952	932	937	927	956	997	969	882	821	988	9
10	999	999	979	999	981	951	931	931	926	956	991	961	880	809	987	10
11	993	993	963	998	974	944	924	924	919	951	983	951	861	802	975	11
Noon	977	972	947	977	962	927	907	912	907	940	969	930	833	780	957	Noon
13h	960	950	930	955	939	909	889	894	894	923	959	905	800	770	937	13h
14	944	929	914	929	917	892	877	882	887	914	939	894	784	761	920	14
15	923	918	903	923	905	880	865	870	875	908	928	881	781	753	910	15
16	924	914	909	924	907	882	872	872	872	912	930	884	776	758	914	16
17	946	921	916	931	915	895	880	880	880	914	942	898	779	759	923	17
18	959	934	929	944	928	908	888	898	893	930	955	903	786	783	939	18
19	982	957	942	962	941	921	901	911	921	956	966	905	800	802	954	19
20	1000	975	960	985	958	928	913	923	928	974	980	921	811	814	969	20
21	1036	981	966	981	976	951	926	938	946	985	1048	925	817	830	981	21
22	1034	984	979	974	979	954	934	934	949	990	1008	923	815	835	983	22
23	1032	982	982	967	971	946	931	926	946	985	999	915	796	834	980	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

SEPTEMBER 1915.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	67·7	66·1	67·7	65·7	63·9	62·2	65·7	64·1	66·7	62·8	64·7	60·9	64·5	61·6	67·0	64·1	Midnight
1h	67·8	66·3	68·0	66·1	63·6	62·0	64·7	62·9	67·2	62·5	64·7	60·5	64·0	61·6	67·0	64·0	1h
2	67·2	65·9	67·4	65·8	63·0	61·6	64·8	62·8	66·7	61·8	64·7	60·2	63·6	61·2	67·4	65·0	2
3	66·8	65·5	66·2	64·8	62·5	61·2	63·9	62·3	65·4	61·2	64·4	60·5	63·7	61·5	66·8	64·4	3
4	66·0	64·8	65·7	64·3	62·2	60·9	64·0	61·8	63·0	60·5	64·5	60·2	64·7	62·2	67·1	64·4	4
5	65·9	64·6	65·2	63·9	62·0	61·0	65·9	63·7	62·0	59·1	62·7	59·1	64·7	62·6	67·3	64·3	5
6	65·6	64·2	64·6	63·2	61·4	59·9	65·7	63·2	60·9	57·9	61·7	58·4	65·2	63·6	67·7	63·4	6
7	66·2	65·1	66·0	64·7	63·1	62·1	67·1	63·8	63·3	60·1	63·8	59·6	67·0	65·2	67·8	63·6	7
8	70·3	68·0	71·5	68·2	70·3	67·6	70·6	65·1	69·5	62·7	70·7	64·1	69·7	66·5	69·7	63·2	8
9	73·3	68·2	73·8	68·3	72·8	68·1	73·2	65·3	72·7	63·7	71·8	64·4	68·3	65·1	73·4	63·7	9
10	74·4	68·2	76·8	69·1	74·7	68·7	75·3	65·6	74·1	64·1	74·0	64·2	73·1	67·2	73·6	64·5	10
11	76·7	68·3	75·8	68·1	76·6	69·1	76·7	65·1	75·2	64·6	75·4	64·6	74·2	67·1	75·4	63·3	11
Noon	77·5	68·6	77·0	68·2	76·9	69·3	77·5	64·6	75·7	64·7	75·6	64·1	73·9	67·2	76·7	63·6	Noon
13h	78·4	69·1	78·2	69·2	79·4	70·2	77·3	66·0	76·2	64·2	76·0	64·1	73·8	68·1	76·6	64·5	13h
14	77·6	69·0	78·9	69·3	76·6	69·1	77·1	67·0	75·7	64·1	76·5	64·8	70·3	66·9	76·0	65·2	14
15	76·6	68·3	78·5	69·1	72·6	70·0	76·0	65·4	74·6	64·1	75·5	64·3	71·9	67·9	75·1	65·4	15
16	74·6	67·6	77·6	68·8	71·8	69·6	74·6	65·8	73·1	63·2	74·8	64·1	69·6	66·6	73·9	65·0	16
17	72·8	67·7	74·5	67·2	70·1	68·5	71·8	64·4	70·6	62·6	71·9	63·3	69·6	66·5	71·6	65·0	17
18	70·6	67·1	72·7	67·3	68·8	67·4	69·0	64·0	68·6	62·4	70·6	63·3	67·6	65·3	69·3	64·3	18
19	69·6	67·1	71·2	67·1	68·4	67·0	67·2	63·0	66·8	61·6	67·7	63·1	67·6	64·8	68·1	64·5	19
20	69·7	67·1	70·0	67·0	67·7	66·5	66·7	62·6	66·0	61·3	66·5	62·8	67·3	64·7	67·6	64·1	20
21	69·0	66·7	67·3	65·0	67·7	66·5	66·3	62·6	65·6	61·2	66·1	62·8	67·8	64·9	68·0	64·9	21
22	68·6	66·4	65·6	63·2	67·7	66·5	66·7	62·7	64·7	60·8	65·7	62·9	67·7	64·8	67·6	64·2	22
23	67·8	65·9	64·5	62·4	67·7	66·3	66·7	63·2	64·9	60·8	64·7	61·8	67·4	64·5	67·9	64·1	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	67·7	63·9	67·7	64·2	68·3	65·2	66·7	63·2	66·1	63·4	66·7	63·8	63·7	61·2	63·4	60·3	Midnight
1h	68·4	64·2	67·2	64·2	68·7	65·4	66·3	62·9	65·7	63·2	66·5	64·1	63·6	61·3	63·1	60·9	1h
2	68·3	63·3	66·7	63·9	68·0	65·8	65·5	62·6	64·8	62·6	65·7	64·3	64·6	61·6	63·9	61·3	2
3	67·2	63·3	67·1	64·2	68·1	65·7	66·0	64·1	64·9	62·7	64·7	63·1	63·6	60·7	64·1	61·2	3
4	65·9	62·4	66·7	64·2	68·2	66·2	65·2	63·5	63·1	61·2	65·1	63·6	62·1	59·7	63·1	60·4	4
5	65·1	61·4	67·0	64·2	67·7	66·1	64·6	62·6	63·9	62·1	65·0	63·3	61·5	58·8	62·1	59·1	5
6	65·6	62·1	67·7	65·2	66·5	64·1	65·0	63·1	62·0	60·1	65·6	63·5	59·4	56·7	65·8	59·7	6
7	66·8	62·4	67·8	64·7	68·0	66·1	66·0	64·0	63·8	62·1	66·0	63·7	61·3	59·1	71·8	62·4	7
8	71·1	64·4	68·7	66·6	70·7	67·1	68·7	65·6	68·8	65·3	67·7	64·4	70·7	64·1	74·1	64·7	8
9	72·0	63·8	69·3	68·0	72·1	66·5	73·3	66·1	72·1	65·8	71·8	65·6	75·3	63·8	75·8	64·7	9
10	75·7	63·8	73·0	66·6	71·3	67·8	74·7	66·3	73·8	65·3	74·3	66·1	75·3	63·1	77·4	65·1	10
11	76·6	64·9	74·7	67·2	69·9	68·1	74·9	66·6	75·2	65·5	74·6	66·5	74·7	64·1	77·6	65·1	11
Noon	76·8	65·7	76·7	67·1	74·0	68·2	75·5	66·0	77·6	66·5	77·2	66·6	76·8	64·1	78·2	65·6	Noon
13h	77·2	66·3	75·7	66·7	72·7	69·1	75·2	65·8	78·2	65·9	77·4	66·5	76·6	63·2	78·5	65·4	13h
14	77·2	66·1	75·6	66·8	71·9	68·3	72·3	65·7	77·7	65·8	77·6	66·5	76·6	62·4	78·0	65·1	14
15	75·5	66·1	75·8	66·0	71·6	68·2	74·1	65·0	75·7	65·1	77·5	66·1	75·9	63·1	76·6	63·3	15
16	74·6	66·0	74·6	65·4	73·6	67·1	73·6	65·8	75·8	65·0	74·6	65·6	75·3	63·1	74·0	64·8	16
17	72·6	65·9	72·7	65·3	72·6	66·9	72·6	65·5	73·6	65·1	72·4	65·4	72·6	62·7	70·3	64·1	17
18	70·9	65·4	70·6	64·4	70·1	66·1	70·3	65·1	70·6	64·4	70·6	65·5	69·6	61·2	67·2	63·3	18
19	70·0	65·3	69·9	64·6	68·6	65·5	69·0	64·5	67·8	64·2	67·9	64·1	65·7	60·1	66·0	62·8	19
20	69·4	64·2	68·7	64·2	68·7	65·9	67·2	64·1	66·8	63·7	67·0	63·2	64·7	60·0	63·5	62·1	20
21	69·0	64·4	68·7	64·2	68·3	65·2	66·2	62·5	65·9	63·2	67·9	63·8	65·6	61·3	61·9	60·0	21
22	68·3	64·1	68·3	63·9	67·7	65·4	67·3	63·2	68·1	64·0	66·9	63·2	65·5	61·6	61·4	58·9	22
23	68·6	64·2	68·0	65·1	67·4	64·7	66·4	63·3	67·6	64·1	65·2	62·2	64·6	61·2		59·2	23

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

SEPTEMBER 1915.

Hour. / Day.	17d. Air.	17d. Evaporation.	18d. Air.	18d. Evaporation.	19d. Air.	19d. Evaporation.	20d. Air.	20d. Evaporation.	21d. Air.	21d. Evaporation.	22d. Air.	22d. Evaporation.	23d. Air.	23d. Evaporation.	24d. Air.	24d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	61·7	59·2	62·7	57·8	64·7	58·7	61·2	57·2	64·1	61·2	62·7	59·8	63·8	61·9	64·6	62·3	Midnight
1h	60·8	59·2	60·7	56·7	61·0	56·0	61·7	57·9	64·3	62·7	62·3	59·2	61·8	59·9	63·3	61·2	1h
2	59·7	57·5	60·6	56·9	57·1	53·2	62·0	57·2	64·3	62·8	62·1	59·3	61·9	60·2	63·0	61·2	2
3	60·7	59·1	61·4	57·7	59·7	56·5	60·2	55·7	63·9	61·8	60·2	58·2	62·6	61·1	62·0	60·2	3
4	59·8	58·1	62·0	57·3	61·7	57·3	58·9	55·2	63·1	61·2	62·2	59·7	63·6	62·2	63·2	61·3	4
5	58·8	57·1	62·2	57·9	61·0	56·9	59·3	56·2	63·0	60·1	60·7	59·0	63·8	62·3	63·0	61·2	5
6	59·4	57·6	63·7	58·6	57·7	54·4	60·7	58·6	63·3	59·2	62·7	60·1	64·0	62·4	64·7	62·2	6
7	61·7	60·9	65·7	59·9	63·3	58·4	63·7	60·1	65·5	61·6	63·4	59·3	65·0	63·7	65·7	63·8	7
8	71·1	64·9	70·6	60·9	67·0	60·2	66·8	60·9	68·8	62·2	68·7	61·8	70·8	67·2	68·0	63·2	8
9	73·1	66·4	73·2	60·3	69·7	61·2	71·7	62·7	73·1	62·2	74·7	64·7	74·2	66·6	73·0	65·7	9
10	73·0	64·4	72·1	60·4	70·6	62·2	70·8	63·2	75·7	62·2	75·1	64·2	77·0	67·4	77·7	67·2	10
11	75·9	65·1	73·9	60·6	69·7	64·3	71·2	63·1	76·9	61·3	76·4	64·9	78·5	67·3	77·7	66·6	11
Noon	73·2	65·2	74·6	61·1	70·9	63·1	68·7	63·1	74·7	61·4	77·2	64·1	77·7	67·1	78·7	67·3	Noon
13h	74·2	65·1	74·6	62·6	73·0	63·1	69·6	63·3	74·4	61·1	76·7	64·8	76·7	67·2	77·2	66·6	13h
14	73·9	64·1	74·7	62·6	73·8	62·5	74·0	63·1	75·4	61·1	76·2	65·2	78·4	67·0	75·7	67·5	14
15	72·9	64·0	73·6	63·1	71·6	62·1	72·8	61·7	74·6	61·2	75·2	65·1	76·6	67·1	77·0	67·1	15
16	73·1	63·5	71·5	61·7	70·3	62·1	72·5	61·5	74·0	61·1	74·6	65·0	74·6	67·1	75·1	67·3	16
17	70·1	62·6	69·3	61·2	68·5	60·7	69·6	61·0	72·0	61·0	71·6	65·1	74·1	66·3	74·6	67·1	17
18	67·7	61·2	67·6	60·5	67·0	60·8	68·0	59·6	69·0	59·8	69·6	64·7	71·2	65·6	72·8	66·9	18
19	66·2	60·7	66·7	59·2	65·5	60·2	66·7	60·0	65·0	58·8	67·5	63·5	68·3	64·7	71·7	67·0	19
20	65·3	60·7	66·7	59·5	65·4	59·6	65·1	59·7	62·8	57·8	67·0	63·3	67·7	64·6	70·4	66·3	20
21	65·3	59·2	65·7	59·1	65·2	59·3	64·7	60·8	61·4	57·7	65·9	62·9	66·7	64·2	70·4	66·4	21
22	63·8	57·2	64·8	58·3	64·5	59·7	65·0	61·8	60·6	57·2	65·0	62·3	66·6	63·9	68·7	65·5	22
23	63·6	57·6	64·1	59·2	62·6	58·4	65·0	61·8	59·9	57·1	64·3	61·9	65·2	62·9	68·0	65·0	23

Hour. / Day.	25d. Air.	25d. Evaporation.	26d. Air.	26d. Evaporation.	27d. Air.	27d. Evaporation.	28d. Air.	28d. Evaporation.	29d. Air.	29d. Evaporation.	30d. Air.	30d. Evaporation.	Mean. Air	Mean. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	68·7	65·4	67·7	63·2	67·5	59·4	68·1	61·8	68·7	66·8	69·7	66·8	65·8	62·5	Midnight
1h	66·2	63·2	65·3	62·2	67·7	60·1	66·6	61·2	68·7	66·9	67·9	65·8	65·2	62·1	1h
2	64·7	62·7	67·2	63·3	66·7	60·3	66·8	60·8	68·6	67·1	67·9	65·7	64·8	61·9	2
3	63·7	61·4	67·7	63·9	67·0	59·3	67·1	61·2	68·1	67·0	67·4	65·4	64·6	61·8	2
4	63·7	61·7	67·7	63·7	66·6	57·8	67·2	60·7	68·2	66·9	66·7	65·0	64·4	61·6	4
5	61·7	60·0	67·3	62·7	65·7	56·5	67·7	60·9	67·8	66·3	67·2	65·5	64·0	61·3	5
6	61·9	60·1	67·1	62·6	66·5	58·3	67·7	61·4	67·6	66·3	67·2	65·6	64·0	61·2	6
7	67·2	65·2	67·7	61·6	69·7	60·3	69·7	62·4	68·7	67·2	70·6	68·8	65·9	62·7	7
8	72·8	65·7	70·3	62·4	72·1	60·2	72·8	64·3	69·8	68·2	74·3	69·2	70·2	64·6	8
9	77·0	66·1	72·3	63·2	74·8	61·2	74·7	65·4	73·3	69·4	76·8	69·7	73·0	65·2	9
10	76·7	66·9	73·6	63·3	75·9	61·3	76·0	66·8	75·3	69·2	78·3	70·2	74·6	65·5	10
11	79·4	68·2	74·9	63·2	76·2	63·0	75·6	66·3	76·6	69·6	77·7	70·4	75·5	65·7	11
Noon	77·8	68·1	74·2	62·6	75·6	62·6	75·9	67·1	75·7	69·3	80·0	70·6	75·9	65·8	Noon
13h	80·7	69·0	74·7	61·4	74·3	62·3	74·7	68·1	74·6	69·3	77·2	69·7	76·0	65·9	13h
14	79·6	66·6	75·0	61·3	74·7	62·3	71·7	67·6	74·2	68·6	78·2	70·2	75·7	65·7	14
15	79·6	67·1	73·8	61·1	73·8	61·1	74·5	67·3	73·1	67·2	77·6	70·2	75·0	65·4	15
16	79·5	67·6	73·3	60·6	73·3	62·1	71·6	67·4	73·2	67·2	75·6	68·3	74·0	65·2	16
17	76·6	67·0	70·6	59·1	72·6	62·6	69·6	66·8	72·5	67·4	76·6	68·7	72·1	64·8	17
18	72·7	63·6	68·2	58·3	69·8	62·1	68·3	66·1	71·1	67·4	74·7	68·2	69·9	64·0	18
19	69·2	63·1	66·7	57·6	69·0	62·8	68·0	66·1	70·7	65·9	73·7	68·3	68·3	63·6	19
20	68·7	63·0	66·4	56·6	68·2	62·7	68·4	66·1	70·6	66·3	72·5	68·2	67·5	63·3	20
21	68·2	62·7	66·5	58·2	68·0	60·9	68·0	66·3	70·7	66·9	70·6	67·4	67·0	63·0	21
22	65·8	61·2	67·4	60·4	68·8	62·4	68·4	66·5	70·7	67·0	68·7	66·7	66·6	62·9	22
23	67·4	62·2	67·7	59·8	68·7	62·2	68·3	66·6	69·9	66·7	66·8	65·0	66·1	62·6	23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour. \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	Mean.
	SEPTEMBER 1915.																														
Midnight	9	7	2	4	8	3	1	5	7	1	4	1	3	9	2	2	5	0	7	10	10	6	1	4	7	1	7	8	10	4	4·9
1h	9	4	4	6	9	2	2	6	9	3	4	1	2	10	1	1	4	0	2	3	10	6	0	3	4	3	9	5	10	3	4·5
2	10	4	2	4	4	2	2	9	8	5	7	2	10	8	2	0	3	0	2	4	10	6	0	2	3	6	9	4	10	4	4·7
3	9	2	2	3	4	2	4	10	8	8	6	3	3	2	1	0	3	1	7	7	8	4	2	1	8	7	10	3	9	9	4·9
4	8	3	0	5	2	0	8	9	8	1	7	1	2	5	1	0	3	0	9	8	4	2	1	1	7	8	6	3	10	9	4·4
5	8	3	0	5	1	1	8	8	8	0	8	2	4	5	1	1	3	0	5	9	3	4	0	2	7	8	8	6	9	9	4·5
6	7	3	6	4	1	2	10	9	1	4	8	5	3	9	2	1	4	1	9	9	3	5	2	3	6	8	7	8	10	9	5·3
7	8	3	0	7	1	7	9	9	2	7	8	6	8	10	4	1	3	1	6	6	5	6	5	8	4	6	6	9	6	6	5·6
8	7	3	2	4	1	5	8	9	6	8	8	6	7	8	5	2	5	1	5	7	7	6	5	7	4	4	6	9	10	5	5·7
9	5	7	7	1	2	4	9	6	8	8	9	5	9	8	5	2	8	3	9	7	5	2	6	6	6	2	7	5	9	6	5·9
10	8	8	7	1	4	5	9	7	3	9	10	7	9	7	6	2	7	5	9	7	7	5	5	2	8	2	5	6	8	8	6·2
11	6	8	8	1	3	5	9	5	5	8	10	6	7	4	5	1	7	6	9	7	7	5	5	4	7	3	6	9	7	9	6·1
Noon	5	7	8	2	2	6	8	4	9	6	8	4	5	8	6	2	7	5	9	8	6	7	6	6	8	3	8	9	10	9	6·4
13h	7	6	8	2	1	4	8	3	7	7	10	7	4	6	3	2	6	6	9	9	8	8	7	7	7	2	9	9	10	8	6·3
14	7	5	10	3	1	4	9	4	6	7	10	6	5	6	2	2	5	6	9	8	7	8	5	8	7	2	7	7	10	7	6·1
15	6	4	10	3	3	4	8	4	6	5	9	7	6	5	2	5	5	5	8	8	6	9	6	6	6	3	7	8	10	9	6·1
16	6	5	10	2	4	3	8	4	5	5	8	8	6	6	1	5	6	4	6	7	6	8	5	8	6	1	7	7	10	6	5·8
17	6	4	10	2	3	7	9	3	6	4	6	5	5	7	2	3	4	5	5	7	4	5	3	8	5	1	7	9	10	4	5·3
18	7	6	10	2	3	5	9	2	7	4	4	3	3	4	1	3	3	5	3	8	2	3	3	8	5	2	7	6	10	8	4·9
19	6	8	10	1	2	9	6	1	5	6	2	2	3	3	1	4	2	8	3	6	1	2	3	8	4	0	7	2	9	5	4·3
20	7	5	8	1	1	7	8	1	3	2	6	2	3	2	0	3	2	9	4	3	1	0	2	8	5	0	5	10	10	6	4·1
21	4	0	5	2	2	5	6	2	1	3	8	0	3	1	0	3	2	9	4	7	2	1	5	9	5	0	6	8	10	8	4·0
22	5	2	8	3	1	3	7	4	0	5	2	3	7	0	1	1	0	8	9	10	5	2	4	10	1	6	9	8	8	7	4·6
23	4	3	6	2	2	2	5	6	0	5	0	4	2	2	2	2	0	9	8	8	5	2	1	8	2	5	7	10	7	5	4·1

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	Total.
	SEPTEMBER 1915.																														
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	0	17	0	1	20	20	0	0	30	0	1	1	0	0	5	40	40	40	8	13	0	0	11	0	45	17	46	0	0	32	6·4
8	25	50	50	37	60	60	44	1	60	1	38	2	14	0	38	60	60	60	42	30	16	22	40	0	60	60	60	17	2	60	17·8
9	60	60	60	60	60	60	40	47	60	2	26	60	15	1	60	60	37	60	30	59	58	60	60	0	60	60	58	13	20	36	22·4
10	60	59	27	60	60	60	40	60	60	40	8	60	6	58	60	60	30	60	35	29	60	60	60	33	49	60	58	52	50	54	24·5
11	60	54	40	60	60	60	58	56	60	59	32	56	50	32	60	60	33	60	37	16	60	60	60	60	47	60	60	45	56	40	25·8
Noon	60	59	48	60	60	60	53	60	30	60	54	58	53	58	60	60	12	60	40	48	58	60	60	60	34	60	60	56	56	42	26·6
13h	60	60	58	60	60	60	60	60	60	60	20	60	59	50	60	60	30	60	59	42	42	33	60	37	60	60	47	20	2	22	24·7
14	60	60	20	60	60	60	58	60	60	60	17	58	58	58	60	60	60	60	60	47	59	42	60	0	32	60	46	50	2	30	24·6
15	60	60	0	60	60	60	28	60	60	60	52	58	45	59	60	60	60	55	55	52	60	11	58	2	27	60	38	55	2	55	23·9
16	47	60	0	60	60	60	59	60	60	60	58	54	52	50	60	60	60	58	44	32	60	12	54	1	60	60	47	46	0	10	23·4
17	30	50	0	60	60	60	23	60	55	60	57	43	60	4	60	60	37	45	37	2	60	0	60	40	50	60	58	45	0	60	21·6
18	3	15	0	45	43	47	0	21	25	17	0	0	13	7	40	5	0	6	0	0	35	0	20	1	36	37	2	0	0	54	7·9
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 249·6 hours; the corresponding period during which the sun was above the horizon was 357·8 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

SEPTEMBER 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	10·2	9·2	4·6	4·4	8·8	9·2	5·2	11·4	11·9	10·0	15·7	10·6	6·3	8·0	5·2	5·9	Midnight
1h	8·4	7·3	6·3	3·8	9·4	11·9	6·5	10·2	10·0	12·1	15·5	14·3	6·5	11·7	5·9	8·4	1h
2	8·4	5·7	6·3	8·8	10·8	9·0	6·5	9·2	8·8	14·1	15·9	11·4	5·2	4·2	7·1	8·2	2
3	8·6	6·1	6·5	8·2	7·3	6·5	6·3	8·2	7·7	12·1	15·9	8·0	5·4	6·7	10·0	7·8	3
4	5·0	5·8	4·4	8·2	5·4	3·4	6·5	10·2	9·2	11·0	14·3	8·2	6·3	6·7	4·6	7·3	4
5	6·7	5·8	6·1	10·2	7·3	5·0	7·1	11·2	9·2	12·3	16·5	7·7	5·0	7·3	5·4	6·3	5
6	8·0	6·5	5·8	10·4	7·3	4·0	6·7	13·3	9·4	15·1	13·3	9·8	4·6	9·2	3·3	5·0	6
7	10·2	6·3	6·7	9·4	8·8	4·2	9·2	13·5	10·0	13·5	12·5	9·6	3·6	12·1	3·7	5·8	7
8	9·2	6·3	2·2	13·7	13·1	11·4	11·4	16·5	15·3	12·7	20·5	9·8	8·6	11·6	10·2	12·3	8
9	15·9	7·8	4·6	13·9	13·5	17·1	15·7	21·5	19·9	17·1	22·7	18·3	11·6	11·7	13·3	13·1	9
10	15·1	10·8	4·4	14·7	15·3	19·1	17·7	20·7	22·1	21·5	17·1	20·3	8·4	11·2	16·9	14·9	10
11	13·9	8·4	11·7	15·7	15·9	17·1	19·5	21·5	20·1	23·7	19·9	20·7	10·0	11·6	16·7	14·1	11
Noon	14·7	9·0	9·4	12·1	16·3	15·5	21·3	19·7	22·1	21·3	22·1	21·9	13·5	18·7	20·1	14·7	Noon
13h	14·5	10·0	10·2	21·3	14·1	15·7	21·5	20·1	23·1	22·9	19·3	20·5	12·1	15·5	15·1	13·3	13h
14	13·9	11·2	9·2	19·5	15·9	14·1	24·1	20·5	23·9	22·1	20·9	20·9	10·2	15·3	14·5	14·3	14
15	13·3	9·4	5·4	15·5	16·1	14·1	20·7	19·3	21·3	23·1	23·1	18·3	10·8	16·5	13·1	15·1	15
16	13·5	10·8	3·0	16·1	18·1	15·5	20·1	17·3	21·3	23·3	24·3	17·7	14·1	15·1	14·1	11·2	16
17	12·1	6·5	6·1	15·1	17·1	12·9	19·1	15·7	19·7	21·1	21·7	18·3	12·3	14·1	12·7	12·5	17
18	9·0	5·0	4·6	11·6	11·2	10·2	16·5	13·5	16·1	17·1	16·5	12·9	8·0	8·2	8·6	9·2	18
19	6·9	3·2	5·9	7·8	10·6	5·4	14·7	10·2	14·7	13·9	12·1	12·3	7·7	5·6	6·5	5·0	19
20	8·6	2·8	5·4	8·2	8·6	7·1	13·1	10·4	13·7	14·1	12·1	9·0	4·2	7·1	6·7	4·4	20
21	8·6	3·2	5·8	10·8	8·2	7·5	13·1	12·1	11·6	14·1	14·5	6·9	9·2	6·3	8·4	1·8	21
22	7·8	5·2	4·0	12·7	9·4	8·2	11·6	12·1	10·8	13·1	11·7	12·9	4·8	8·2	6·5	1·7	22
23	7·7	6·1	3·2	11·6	9·4	7·5	11·6	12·5	9·4	15·3	10·6	12·9	9·8	9·2	5·9	3·7	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23.d	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
Midnight	3·7	8·2	5·2	8·2	7·8	5·2	5·9	5·6	4·2	6·5	14·9	10·4	14·3	4·1	8·0	Midnight
1h	4·8	8·2	8·2	12·5	4·8	5·7	6·7	4·6	6·5	8·0	17·9	8·8	14·1	3·0	8·7	1h
2	2·4	7·6	6·3	9·8	4·4	7·1	5·4	6·5	5·4	8·2	11·7	10·6	15·9	3·7	8·2	2
3	1·9	6·3	6·1	10·8	7·6	6·1	8·0	7·6	5·4	12·5	12·7	13·1	10·4	3·4	8·1	3
4	3·5	8·4	7·8	5·9	10·0	6·7	7·1	6·1	5·6	12·9	10·2	14·1	10·2	2·8	7·6	4
5	4·1	8·6	6·3	3·3	7·1	8·4	5·6	8·4	3·7	15·9	10·0	14·1	10·4	3·0	7·9	5
6	5·7	8·6	4·6	8·2	10·2	7·6	5·6	6·3	6·3	13·1	8·4	14·5	12·3	3·1	8·2	6
7	3·3	7·8	8·4	6·3	17·1	7·8	7·1	8·4	3·3	15·1	20·1	16·9	13·7	2·0	9·2	7
8	5·0	10·4	13·7	9·4	17·1	13·7	11·0	13·3	4·6	24·1	18·5	18·9	12·1	3·4	12·0	8
9	7·1	16·3	13·9	16·9	16·9	11·4	14·1	11·9	3·5	29·7	21·7	21·1	15·1	6·7	14·8	9
10	20·1	19·3	11·0	18·1	19·3	15·5	14·3	13·9	10·0	35·2	24·1	23·7	18·3	10·2	16·8	10
11	18·5	18·3	11·7	17·3	16·3	19·5	13·3	14·3	9·4	32·7	28·1	23·5	16·9	11·2	17·0	11
Noon	16·9	18·3	14·1	19·7	16·7	17·1	14·1	12·9	10·0	37·6	26·1	22·3	20·1	16·9	17·8	Noon
13h	20·3	17·1	16·7	16·7	17·1	14·3	14·3	8·6	11·2	37·8	21·1	21·9	19·9	15·9	17·4	13h
14	23·7	19·9	18·3	17·9	15·6	15·3	14·3	5·9	10·0	33·4	23·1	22·5	18·7	17·1	17·5	14
15	23·1	21·1	16·3	18·1	16·7	13·7	14·5	5·4	7·3	28·5	24·7	26·1	17·7	18·1	16·9	15
16	18·5	17·5	17·3	21·1	17·3	13·5	13·3	7·3	9·4	28·9	22·5	21·9	13·3	17·3	16·5	16
17	13·7	16·7	14·5	15·1	14·3	10·6	12·3	6·3	5·4	25·7	21·1	19·9	7·8	14·1	14·5	17
18	14·1	10·4	9·2	11·2	10·6	8·4	12·9	4·4	12·5	23·5	18·1	16·1	8·8	4·4	11·4	18
19	13·7	14·1	8·4	15·3	4·4	6·3	8·0	3·9	9·8	16·5	17·1	17·3	8·8	4·6	9·7	19
20	11·4	10·6	12·7	10·0	4·6	7·1	6·3	3·3	14·9	12·9	12·3	16·1	10·8	5·4	9·1	20
21	12·5	6·7	15·5	8·0	4·4	6·1	8·2	3·9	10·2	11·5	16·3	14·9	7·3	1·9	9·0	21
22	13·3	5·6	6·5	8·4	5·4	7·5	6·7	5·0	3·9	16·5	12·9	13·9	10·6	2·2	8·6	22
23	11·7	4·0	6·3	10·2	5·4	4·8	6·9	4·4	7·1	16·9	13·7	14·1	6·7	2·8	8·7	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(The results are increased by 100 in order to obviate the necessity for signs, and are published to the nearest mile.)

SEPTEMBER 1915.

Hour. \ Day.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Hour. \ Day.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	96	109	98	109	97	103	100	104	95	107	93	106	97	104	94	109	Midnight
1h	98	108	98	107	96	104	97	103	95	108	95	111	96	105	96	109	1h
2	98	108	100	106	96	104	94	106	94	109	95	107	96	105	95	108	2
3	98	108	98	106	95	104	94	106	96	106	96	105	98	106	95	107	3
4	99	105	97	105	98	104	94	106	97	104	98	102	95	105	93	107	4
5	97	106	98	105	96	104	93	107	95	105	96	103	97	107	94	109	5
6	97	107	100	106	96	104	93	107	98	107	97	103	96	106	91	109	6
7	98	110	99	106	95	104	93	107	95	107	98	103	98	109	92	111	7
8	96	108	98	106	99	101	90	110	91	109	94	109	98	111	94	115	8
9	100	116	105	105	98	96	95	113	92	111	100	117	94	115	88	118	9
10	100	115	102	111	104	98	90	110	91	113	96	119	100	118	96	120	10
11	108	112	100	108	102	88	89	111	91	113	93	116	104	119	96	121	11
Noon	100	115	103	108	100	91	89	105	97	116	89	111	100	121	92	118	Noon
13h	100	114	108	106	104	91	100	121	92	112	106	114	88	118	86	114	13h
14	105	113	110	104	98	91	86	114	89	111	100	114	100	124	89	117	14
15	103	113	109	100	99	95	94	114	100	116	95	113	100	121	96	119	15
16	100	113	111	102	97	101	89	111	87	113	91	113	96	120	93	116	16
17	100	112	104	104	94	100	94	114	88	112	93	111	100	119	94	114	17
18	100	109	102	105	99	104	98	111	96	110	94	108	97	116	95	112	18
19	100	107	101	103	100	106	94	105	94	109	98	105	97	114	94	108	19
20	100	109	101	103	101	105	97	108	97	108	96	106	97	113	94	109	20
21	98	108	101	103	102	105	94	109	95	107	96	106	95	112	93	110	21
22	97	107	96	104	101	104	91	109	95	108	97	108	96	111	95	111	22
23	98	107	96	104	98	103	93	110	95	108	97	107	96	111	93	110	23

Hour. \ Day.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Hour. \ Day.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	93	110	94	108	97	115	100	111	96	104	94	106	98	105	97	105	Midnight
1h	98	110	91	109	97	115	97	114	95	105	92	108	97	105	98	108	1h
2	97	108	92	112	100	116	98	111	97	104	98	104	96	106	97	108	2
3	94	105	93	110	97	116	98	108	96	104	96	106	96	109	96	106	3
4	93	106	94	109	100	114	98	108	96	105	97	106	97	104	98	107	4
5	95	108	93	110	100	116	96	106	96	103	100	107	96	104	99	106	5
6	95	108	94	114	95	112	96	109	97	103	98	109	98	102	97	104	6
7	96	109	97	113	100	112	96	109	97	102	95	111	98	103	98	105	7
8	94	114	98	112	100	120	98	110	94	106	100	112	96	109	100	112	8
9	83	111	93	116	96	122	100	118	93	110	95	111	100	113	95	112	9
10	92	120	100	121	100	117	100	120	98	108	96	110	100	117	89	110	10
11	89	117	100	124	100	120	96	120	93	107	96	111	100	117	100	114	11
Noon	92	120	100	121	92	120	100	122	97	113	96	118	92	119	100	115	Noon
13h	84	116	95	122	96	119	100	120	95	111	94	114	89	111	100	113	13h
14	91	122	92	120	100	121	100	121	102	110	100	115	100	114	94	113	14
15	92	120	91	121	100	123	93	117	96	110	88	112	95	112	94	114	15
16	85	115	95	123	100	124	93	116	95	113	92	113	95	113	92	108	16
17	92	118	85	115	100	122	100	118	91	109	95	113	93	111	95	111	17
18	89	111	97	117	100	116	95	112	96	107	95	107	95	107	96	108	18
19	90	110	97	114	95	111	95	111	96	106	97	105	96	105	98	105	19
20	92	111	95	113	98	112	94	106	97	103	96	106	97	106	98	104	20
21	92	108	95	113	97	114	96	106	93	106	94	100	95	107	101	101	21
22	94	109	95	112	95	111	93	111	96	103	94	106	95	105	101	101	22
23	95	108	97	115	98	110	95	112	96	109	95	108	96	104	101	104	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

SEPTEMBER 1915.

Day. / Hour.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d. N.	20d. E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.	Day. / Hour.
Midnight	96	101	92	103	95	101	95	107	94	105	97	104	96	104	97	105	Midnight
1h	97	104	92	97	92	102	91	109	97	104	97	105	96	106	98	104	1h
2	98	101	92	100	94	101	93	107	98	104	97	107	96	104	95	105	2
3	99	99	96	104	96	104	91	106	96	106	98	106	97	107	97	107	3
4	97	99	94	106	92	102	96	104	94	108	96	106	96	106	96	104	4
5	96	101	92	103	94	102	97	101	95	105	98	108	97	105	98	108	5
6	97	105	97	108	96	102	100	108	96	109	96	106	98	105	96	105	6
7	97	101	97	107	93	105	95	103	88	112	97	107	97	107	102	108	7
8	98	105	96	110	92	111	93	107	93	116	90	110	100	111	100	113	8
9	94	104	88	111	88	108	88	112	93	116	94	109	103	114	95	111	9
10	81	108	86	114	92	108	90	115	104	119	100	115	105	113	97	114	10
11	85	110	87	113	104	111	93	116	94	115	92	118	105	112	97	114	11
Noon	86	109	90	115	92	112	86	114	94	115	106	116	95	113	100	113	Noon
13h	89	117	88	112	94	115	88	112	97	117	94	113	105	113	97	108	13h
14	83	117	100	120	87	113	93	116	100	116	97	115	103	114	100	94	14
15	84	116	92	119	94	115	90	115	91	114	95	113	97	114	103	104	15
16	90	115	90	115	90	114	85	115	97	117	92	111	100	113	103	93	16
17	89	108	94	115	90	110	92	113	92	112	104	110	98	112	95	103	17
18	87	105	93	107	93	106	92	108	96	110	94	106	97	113	96	101	18
19	89	108	90	110	93	105	89	111	98	104	96	104	98	108	98	103	19
20	94	109	91	106	91	109	93	107	97	104	95	105	98	106	98	102	20
21	88	105	95	105	87	109	94	106	98	104	97	105	98	108	97	103	21
22	88	105	97	105	97	106	94	106	96	104	95	105	97	106	97	104	22
23	89	104	96	101	95	103	96	109	96	104	97	103	99	107	96	102	23

Day. / Hour.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	Mean. N.	Mean. E.	Day. / Hour.
Midnight	96	101	97	94	92	112	93	107	94	113	96	101	95·7	105·9	Midnight
1h	95	104	93	103	90	115	94	106	92	112	98	102	95·4	106·7	1h
2	97	104	92	103	93	110	94	109	89	111	97	102	95·6	106·3	2
3	95	101	87	100	93	111	91	109	94	109	101	97	95·7	106·0	3
4	95	101	87	102	96	109	92	112	94	108	101	103	95·8	105·6	4
5	96	100	85	106	92	106	90	110	96	110	98	103	95·5	105·9	5
6	96	104	88	105	94	106	90	110	95	111	98	103	95·8	106·7	6
7	97	102	86	106	86	114	88	112	95	113	98	99	95·4	107·3	7
8	95	101	83	117	90	115	87	113	93	110	98	97	94·9	110·1	8
9	97	98	75	116	88	118	85	115	94	114	95	95	93·7	111·5	9
10	94	92	71	119	91	122	91	122	96	118	100	90	95·1	113·2	10
11	104	91	73	118	89	126	87	119	97	117	100	89	95·5	112·9	11
Noon	108	94	69	121	90	124	84	116	96	120	93	84	94·3	113·3	Noon
13h	100	89	68	121	92	119	92	120	86	114	94	85	94·1	112·5	13h
14	102	90	72	118	87	119	87	119	87	113	93	84	94·9	112·5	14
15	106	96	80	120	90	123	85	122	85	110	93	83	94·4	112·8	15
16	109	102	80	120	84	116	84	115	88	105	93	84	93·2	111·7	16
17	100	105	82	118	85	115	92	118	94	105	95	87	93·9	111·2	17
18	88	105	83	117	87	113	94	115	97	108	99	104	94·7	109·4	18
19	90	102	88	112	93	116	93	116	92	103	101	104	95·1	107·7	19
20	85	103	91	109	95	111	97	116	92	108	97	95	95·6	107·1	20
21	91	104	94	109	91	113	94	114	93	103	98	101	95·1	106·8	21
22	96	101	91	114	91	109	92	111	90	104	100	102	95·2	106·7	22
23	93	100	88	112	92	111	90	110	94	103	98	102	95·3	106·8	23

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of SEPTEMBER 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour, Mauritius Standard Time.	2d.	3d.	16d.	17d.	18d.	19d.	20d.	24d.	25d.	30d.	Hour, Mauritius Standard Time.
	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	
Midnight	7	4	5	1	2	1	5	5	1	1	Midnight
1h	7	4	7	5	30**	1	4	6	4	4§	1h
2	8	4	6	2	0	1	4	4	5	3	2
3	7	4	5	28**	4	4	3	6	1	22**	3
4	5	6	7	30	4	1	4	4	1	10	4
5	6	4	7	1*	2	2	2	7	0	5	5
6	8	4	5	5	6	2	8	5	4	5	6
7	7	4	6	2	6	3	3	9	3	30**	7
8	6	4	8	6	6	5	4	8	1	27	8
9	12	26**	6	3	4	3	4	6	28**	28	9
10	9	19	4	2	4	4	5	7	27	24	10
11	8	23	8	3	4	10	6	7	22	24	11
Noon	10	24	8	3	5	5	4	8	19	26	Noon
13h	13	22	8	5	4	6	4	6	24	26	13h
14	14	25	6	4	8	4	6	24**	23	26	14
15	16	25*	6	4	6	6	5	11*	19	26	15
16	15	2	4	5	5	5	4	22**	15**	26	16
17	12	0§§	6	3	6	4	5	3*	8	26	17
18	10	7	6	2	4	4	4	1	2	7*	18
19	10	8	6	3	4	3	4	5	1	9	19
20	10	9	6	5	3	4	4	4	1	27*	20
21	10	10	11	2	4	3	4	4	2	3*	21
22	4	10	13	2	5	6	4	5	2	7	22
23	4	5	9	2	2	3	6	3	0	4	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of Three HOURS between 0h. and 21h. during the MONTH of SEPTEMBER 1915.

Day of the Month.	9ins.								6ins.								3ins.							
	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1d	74·2	73·8	73·4	73·1	72·7	73·3	75·1	76·0	73·6	73·0	72·3	71·9	72·2	74·5	77·3	77·2	71·8	70·6	69·3	70·9	76·6	84·1	82·6	78·9
2	76·1	75·6	74·8	74·3	73·9	74·5	76·0	76·9	76·2	75·0	73·8	73·1	73·5	75·3	78·0	77·9	75·2	73·1	70·6	70·8	77·3	83·2	83·2	78·9
3	76·6	76·2	75·4	74·5	74·0	74·4	75·5	76·1	76·2	75·0	73·0	73·0	73·4	75·4	76·9	76·5	74·4	72·2	70·2	70·5	77·0	82·3	79·5	76·3
4	75·9	75·3	74·5	74·0	73·8	74·2	75·6	76·5	75·7	74·3	73·1	72·4	73·3	75·5	77·7	77·3	74·0	71·1	69·1	70·4	78·8	83·7	82·4	77·1
5	76·2	75·6	74·7	74·0	73·5	74·3	75·7	76·6	75·7	74·4	73·1	72·3	72·7	75·6	77·7	77·4	73·2	71·3	68·8	68·7	77·4	84·6	82·2	77·1
6	75·8	75·7	74·8	74·1	73·6	74·2	75·6	76·6	76·0	74·5	73·2	72·2	72·6	75·3	77·4	77·6	73·2	70·6	68·8	69·1	75·8	82·8	81·2	77·4
7	76·2	76·0	75·1	74·4	74·0	74·1	75·0	75·5	76·1	74·8	73·4	73·9	73·2	74·7	75·9	75·5	74·4	71·7	70·1	70·9	75·3	79·3	77·9	74·5
8	75·2	74·5	74·0	73·4	73·3	73·7	75·4	76·2	74·3	73·5	72·9	72·3	72·5	74·7	77·3	77·0	73·4	70·9	70·1	70·0	75·5	82·7	81·2	77·7
9	75·9	75·6	75·3	74·3	73·7	74·3	75·8	76·5	75·5	74·6	73·5	72·8	73·2	75·0	77·3	77·2	73·7	72·5	69·9	70·6	76·7	82·1	81·5	78·2
10	76·9	76·1	75·4	74·6	74·1	74·2	75·1	75·9	76·1	75·0	74·2	73·3	73·2	74·5	76·4	76·5	74·7	72·9	71·6	71·1	74·4	80·2	80·4	76·7
11	76·0	75·2	74·5	74·2	74·0	73·8	74·6	74·8	75·3	74·2	73·3	73·1	73·2	74·1	75·3	75·0	73·9	72·0	70·9	71·5	74·6	77·8	77·2	74·6
12	74·6	75·0	73·3	72·9	72·6	73·0	74·1	74·9	73·7	73·0	72·0	71·5	71·9	73·8	75·5	75·1	71·2	69·9	68·8	69·1	74·5	80·0	78·9	74·8
13	74·9	74·2	73·7	73·1	72·8	73·3	74·5	75·5	75·1	73·1	72·3	71·5	72·0	74·2	76·1	75·9	74·8	70·8	69·4	69·5	74·6	81·6	80·4	76·2
14	75·3	74·8	74·3	73·5	73·3	74·0	75·8	76·6	74·7	73·9	73·0	72·3	72·9	75·6	77·9	77·3	73·2	72·0	70·5	71·1	78·1	84·6	82·4	78·9
15	76·5	76·0	74·9	74·1	73·6	74·4	75·9	77·0	75·7	72·8	73·0	72·3	72·7	76·2	78·4	77·8	73·7	72·0	69·1	69·8	76·6	85·2	83·9	78·2
16	77·0	76·1	75·5	74·7	74·2	75·5	77·1	78·1	76·5	75·0	73·9	72·8	74·0	77·6	79·4	79·2	74·7	71·9	70·2	70·7	80·7	88·8	84·6	80·4
17	77·8	77·1	76·2	75·1	74·5	75·1	76·3	77·0	76·7	75·6	74·6	73·1	73·3	76·0	78·1	78·0	74·6	72·3	70·5	71·1	76·1	83·1	82·3	78·9
18	77·2	77·2	75·1	74·6	74·0	74·5	75·8	76·7	76·5	74·8	73·1	72·3	73·2	75·4	77·4	77·1	74·2	70·9	66·4	69·3	77·5	82·9	81·6	77·0
19	76·7	75·9	75·2	74·4	74·1	74·5	75·5	76·2	76·0	74·6	73·5	72·5	73·3	75·2	76·9	76·6	74·5	71·4	69·7	70·2	77·3	82·2	80·5	76·6
20	76·3	74·5	74·6	74·1	73·4	73·9	73·9	76·0	75·4	74·1	72·7	71·7	72·7	74·1	74·1	76·2	73·5	70·4	68·6	69·1	76·9	81·1	81·1	76·5
21	75·9	75·3	74·7	73·6	73·5	74·3	75·6	76·3	75·1	74·1	73·2	73·0	72·8	75·1	77·0	76·7	74·0	73·4	70·3	69·7	77·5	81·3	80·4	77·2
22	76·2	75·4	74·3	73·7	73·4	74·0	75·5	76·1	75·3	73·8	72·3	71·7	73·0	75·1	76·7	76·3	73·1	70·6	68·5	69·2	78·4	81·5	80·2	76·5
23	76·0	75·3	74·8	73·3	73·8	74·5	76·0	77·0	74·6	74·0	72·9	72·6	73·5	76·0	78·1	77·7	72·6	71·0	69·7	68·7	79·8	84·4	82·6	78·5
24	77·1	76·5	75·7	74·8	74·3	75·3	76·0	76·6	76·9	75·3	74·1	73·0	73·1	76·6	77·1	77·2	74·8	72·6	70·6	71·0	76·4	81·6	81·1	78·8
25	77·0	76·4	75·8	75·2	74·8	76·1	77·1	78·4	76·4	75·3	74·2	73·4	74·3	77·9	79·4	79·5	74·4	73·4	71·2	71·8	78·9	85·4	85·7	80·9
26	78·4	77·5	77·1	76·3	76·0	76·5	78·1	79·0	79·5	76·4	76·4	74·8	75·3	79·0	80·3	79·8	77·0	74·5	74·3	74·0	79·9	86·2	84·5	79·7
27	78·6	77·7	77·1	76·3	75·9	76·7	78·0	78·5	77·6	76·5	75·5	74·5	75·2	77·6	79·1	78·9	75·8	74·0	72·7	72·5	80·6	83·8	82·2	79·9
28	78·4	77·8	77·0	76·6	76·1	76·6	77·4	77·9	77·5	76·5	75·2	74·6	75·4	77·4	78·7	78·2	76·2	74·2	72·4	75·7	79·1	83·6	82·2	77·8
29	77·6	76·9	76·5	77·1	75·7	76·2	77·1	77·5	76·8	76·1	75·4	74·6	75·4	77·3	78·1	77·8	75·7	74·3	73·2	74·1	79·6	81·8	80·3	77·8
30	77·6	77·1	76·5	76·0	75·7	74·5	74·5	78·7	78·0	75·9	75·4	74·8	75·4	77·7	77·7	79·4	76·0	73·8	72·9	74·2	78·9	84·6	84·6	80·3
Mean	76·51	75·90	75·16	74·51	74·11	74·62	75·81	76·74	75·99	74·66	73·64	72·93	73·43	75·76	77·46	77·35	74·19	72·07	70·28	70·84	77·35	82·88	81·63	77·75

* Direct. ** Retrograde § Changed from 4 to 16 (direct) and back to 3 (retro) between 1h. and 2h.

§§ Complete revolution (direct) between 16h and 17h.

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of SEPTEMBER 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.			River System No. 4.			River System No. 5.			
	Grand Gaube.	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte.*	Riche Fund.	Constance d'Arifat.	St. Julien. P.O.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
Sept. 1d	Register not received.	0·14	...	0·13	0·10	0·37	0·56	0·35	0·21	...	...		...	0·25	0·10	
2		...	...	0·01	0·01	0·08	0·12	...	0·15	...	...		0·10	...	...	
3		...	0·22	...	0·01	...	...	...	...	...	...		0·55	0·30	0·59	
4		0·33	...	0·27	0·24	0·17	0·20	0·24	0·47	...	0·28		0·12	0·50	0·64	
5		...	...	...	...	...	...	...	...	...	...		...	...	...	
6		...	0·06	...	...	...	...	...	...	0·45	...		...	...	...	
7		0·02	...	0·09	0·07	0·27	0·08	0·14	0·34	...	0·08		0·14	0·10	0·12	
8		0·09	...	0·15	0·15	0·07	0·20	0·06	0·18	...	0·28		0·74	0·45	0·64	
9		...	...	0·04	...	...	...	...	0·03	0·55	...		0·15	...	0·07	
10		0·10	...	...	0·19	0·10	0·16	0·12	0·18	0·32	0·11		0·30	0·10	0·20	
11		0·05	0·06	0·08	0·16	0·07	...	...	0·02	...	0·06		...	0·20	0·09	
12		...		0·20	0·24	0·17	0·08	...	0·16	0·42	0·18		0·25	...	...	
13		...	...	...	0·05	0·06	0·10	0·20	0·02	0·72	...		0·12	0·26	0·12	
14		0·04	...	0·04	0·03	0·09	...	...	0·16	...	0·49		...	...	...	
15		...	...	...	...	...	...	...	...	...	...		...	...	...	
16		...	...	...	...	...	...	...	...	...	...		...	0·30	...	
17		...	...	...	...	...	...	...	...	0·20	...		...	...	...	
18		...	...	...	...	...	...	0·09	0·09	...	0·26		0·32	...	...	
19		...	...	...	...		...	...	...	0·50	0·08		...	...	...	
20		0·06	0·10	0·05	0·04	...	...	...	0·03	0·20	...		0·37	0·22	...	
21		0·11	...	0·15	0·08	0·27	0·14	0·08	...	...	0·33		0·31	...	...	
22		...	...	...	...	...	...	...	...	...	...		0·14	...	...	
23		...	...	0·05	...	...	...	...	...	...	...		0·06	...	...	
24		...	...	...	...	...	...	...	...	...	...		...	...	...	
25		...	...	...	...	...	...	...	...	...	...		...	...	...	
26		...	...	...	...	...	...	...	...	0·50	0·17		0·38	0·18	...	
27		...	...	...	...	...	...	...	0·03	...	...		...	...	...	
28		...	0·17	...	...	...	...	...	...	1·30	...		...	0·10	...	
29		0·24	...	0·32	0·28	0·42	0·24	0·32	0·54	0·50	0·73		1·02	0·25	0·30	
30		0·04	0·02	0·17	...	0·02	0·12	0·08	0·09	...	0·53		0·65	0·82	0·74	
Total ...	...	1·22	0·63	1·75	1·65	2·16	2·00	1·68	2·70	5·66	3·58	1·81 §	5·72	4·03	3·61	0·66 §

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Daily fall not received.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of SEPTEMBER 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion.	Mare aux Vacoas.	Saleney.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
Sept. 1d	0·06	0·69	0·80	0·29	0·28	0·05	0·14		...	0·62	1·08	0·30	...	...	0·18	...
2	...	...	0·15	...	...	...	...		...	...	...	...	0·01	0·35	0·02	...
3	0·35	0·30	0·20	0·16	0·04	...	0·42		...	0·15	0·09	0·25	0·01	0·26	0·08	...
4	...	...	0·10	...	...	...	0·07		...	0·11	0·45	...	0·25	0·05	0·20	...
5	...	...	0·03	...	...	...	0·03		...	...	0·03	...	...	...	...	...
6	...	...	...	...	...	...	0·43		...	...	...	...	0·03	0·05	0·02	...
7	0·12	0·12	...	0·05	0·08	0·25	0·09		...	0·14	0·21	...	0·05	0·37	0·25	...
8	0·30	0·91	1·07	0·12	0·26	0·12	0·44		...	0·69	0·91	0·15	0·13	0·03	0·45	...
9	...	0·10	0·05	...	...	...	0·07		...	...	0·13	0·15	0·03	0·20	0·18	0·02
10	0·10	0·29	0·10	0·23	0·41	...	0·18		...	0·07	0·33	0·15	0·13	0·15	0·20	0·03
11	0·04	0·15	0·60	0·08	0·11	...	0·03		...	0·23	0·34	...	0·08	0·34	0·18	...
12	...	0·15	0·15	...	...	...	...		...	0·26	0·45	0·20	0·04	0·12	0·22	...
13	0·02	0·08	0·12	...	0·14	...	...		...	0·06	0·20	...	0·04	0·12	0·08	...
14	...	0·54	0·10	...	0·31	...	...		...	...	0·13	...	0·03	...	0·02	...
15	...	...	...	...	...	...	...		...	...	...	...	0·01	...	...	...
16	...	...	...	...	...	...	...		...	...	...	...	0·01	...	...	...
17	...	...	...	0·34	...	...	...		...	...	...	...	0·01	0·07	...	...
18	...	0·93	0·54	...	0·13	...	0·29		...	...	0·26	...	...	...	...	...
19	...	...	0·02	...	...	...	0·06		...	...	0·06	...	...	0·10	0·02	...
20	0·15	0·31	0·45	0·24	0·17	...	0·37		...	0·15	0·50	...	0·03	0·30	0·02	...
21	0·42	0·36	0·35	0·23	0·37	0·48	0·39		...	0·23	0·45	0·19	0·06	0·02	0·20	0·02
22	0·01	...	0·05	...	0·16	...	0·07		...	0·03	0·22	...	0·03	...	0·02	...
23	0·16	0·10	0·08	0·11	...	...	...		...	...	0·03	...	0·01	...	...	...
24	...	...	...	...	...	...	...		...	...	...	...	0·01	...	...	...
25	...	...	...	...	...	...	...		...	0·08	0·09	...	0·10	0·10	0·18	...
26	...	0·43	0·14	0·07	...	...	0·29		...	0·04	0·29	...	...	...	0·05	...
27	...	...	...	...	...	...	...		...	...	...	...	0·03	0·02	...	...
28	0·07	...	...	...	...	...	...		...	...	0·03	...	0·01	0·88	0·02	...
29	0·29	0·73	1·20	0·65	0·56	0·46	1·84		...	0·88	1·66	0·35	0·32	0·22	0·50	0·02
30	0·39	0·36	0·53	0·30	0·25	0·11	...		...	0·15	0·34	...	0·05	...	0·30	...
Total ...	2·48	6·55	6·83	2·87	3·27	1·47	5·21	...	0·00	3·89	8·28	1·74	1·51	3·75	3·39	0·09

* Residence. § Record not received.

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.

SEPTEMBER 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending \ Day.	3d.	7d.	8d.	10d.	11d.	12d.	14d.	19d.	20d.	21d.	28d.	29d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	...	...	...	·030	...	...	...	...	...
2	...	...	·005	...	...	...	·020	...	...	·020	...	...
3	...	...	·005	...	...	...	...	...	...	·010	...	·010
4	...	...	...	...	·010	·010	...	...	...	·010	...	·035
5	...	...	·005	...	·030	...	...	...	·005	...	...	·030
6	...	...	...	...	·030	·020	...	...	...	...	...	·005
7	...	·055	...	...	...	·005	...	...	...	...	...	·025
8	...	...	...	·025	·005	...	...	...	...	...	...	·005
9	...	...	...	·065	·005	...	...	...	...	...	...	·015
10	...	·005	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	·030	...	...	...	...	...	...	...
Noon	...	·010	...	...	·005	...	...	·005	...	...	...	...
13h	...	...	...	...	...	...	...	·005	...	...	·020	...
14	...	...	...	...	·035	·010		...	...	...	·005	...
15	...	·010	...	...	·010	·005	...	...	...	...	...	...
16	·150	...	...	...	·005	...	...	...	...	...	·010	...
17	·075	·020	...	...	...	...	...	...	...	...	...	...
18	·010	·005	...	...	...	.	...	...	...	...	·015	...
19	·005	·020	...	...	·005	·005	...	...	...	...	·015	...
20	...	·005	...	...	...	...	...	...	...	...	...	...
21	·005	·010	...	...	...	...	...	...	...	...	·030	...
22	...	...	...	...	·005	...	...	...	...	...	·010	...
23	...	...	...	...	...	...	...	...	...	...	·005	...
Midnight	...	...	...	...	...	...	..	...	...	...	...	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1d.	2d.	3d.	4d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	16d.	17d.	19d.	20d.	21d.	22d.	23d.	26d.	27d.	28d.	29d.	30d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	..	...	...	...	·19	·05	...	...	·02	...	...	...	..	...	...	...	...	...	...	...	·01
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·04	·05
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·04	...	...	·01
4	...	...	...	...	...	...	...	...	·02	·02	...	...	...	...	...	...	...	·03	...	...	...	...	·13	·01
5	...	...	...	...	·03	...	...	...	...	...	·01	...	...	...	...	·01	...	...	...	...	...	...	·01	·02
6	...	...	...	...	·03	...	...	...	...	...	·03	...	·01	...	...	·04	...	...	...	...	...	...	·01	...
7	...	...	...	...	...	...	...	...	...	...	...	·01	...	·06	...	...	...	·01	...	...	...	...	·01	...
8	...	...	...	...	·03	·01	...	...	...	·01	...	...	...	·07	...	...	...	...	...	...	...	·07	...	·02
9	...	...	...	...	·01	...	...	·02	·02	...	...	...	...	·01	·01	·01	...	...	...	...	...	·01	·01	·02
10	...	...	·01	·01	...	...	...	..	...	·01	...	...	...	...	·07	·02	...	...	...	...	...	·07	·01	...
11	...	...	...	...	·01	...	...	...	...	·02	...	...	...	...	·01	·01	...	...	...	...	...	...	·03	...
Noon	...	...	...	...	·05	...	...	...		...	...	...	...	...	·05	·04	...	...	·04	...	...	·04	...	·02
13h	...	...	...	...	...	...	·01	...	...	...	...	...	...	...	·02	...	·02	...	. .	...	...	·05	·02	...
14	...	...	...	..	·04	...	...	...	...	...	..	...	...	...	·07	·04	...	...	...	...	...	...	...	·02
15	...	...	...	...	·01	...	...	..	...	...	...	...	...	...	...	·02	...	...	...	...	...	·01	...	...
16	...	...	...	...	·02	...	...	...	...	...	...	...	...	...	...	·02	...	·07	...	...	...	·02	...	...
17	...	...	...	...	...	...	...	..	...	...	...	...	...	...	·01	...	...	·01	...	...	...	·06	·01	...
18	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	·02	...	...	...	·04	...	...	·04	...
19	...	·02	.		...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	·04	...	...
20	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	·03	·01	...	...
21	...	...	...	..	...	·01	...	...	...	...	·02	...	...	...	...	...	...	...	...	...	...	·01	...	...
22	...	...	...	...	...	...	...	...	...	...	·12	...	...	...	...	...	...	...	...	...	...	·03	·03	...
23	...	...	...	...	...	...	...	...		...	.	...	...	...	...	·02	...	...	...	...	...	...	·04	..
Midnight	·27	...	...	...	...	...	·08	...	.	...	...	...	...	...	...	...	...	...	...	...	·05	·02	·03	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of SEPTEMBER, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	1·56	1·40	8
	2	Union §	200	...	...	...
	3	St. Antoine ...	50	1·22	1·12	11
	4	Bel Mont	50	0·92	1·21	8
	5	Poudre d'Or ...	20	0·95	1·32	8
	6	Poudre d'Or Hospital	10	0·45	0·75	3
	7	Mon Loisir (R) § ...	300	...	...	...
	8	Mon Loisir (S.E.) ...	300	...	...	...
	9	Forbach	300	0·77	0·78	6
	10	Labourdonnais ...	290	0·63	3·59	6
	11	Beau Séjour ...	300	1·75	2·27	14
	12	Mont Piton ...	860	2·38	2·59	12
	13	Mon Choix... ...	700	1·47	1·91	5
	14	Antoinette	640	2·04	2·16	9
	15	California	850	0·84	2·41	4
	16	Nouvelle Découverte	1,400	2·16	2·43	13
	17	Mon Songe... ...	620	2·28	2·51	10
	18	La Grande Rosalie ...	643	2·37	2·45	10
	19	The Mount ...	325	1·94	1·84	9
	20	Botanic Gardens ...	225	1·65	1·78	14
	21	Beau Plan ...	195	1·04	1·41	5
	22	The Observatory ...	179	1·06	1·53	12
	23	Solitude *	175	0·64	...	6
	24	St. André * ...	90	0·96	...	6
	25	Belle Vue Harel ...	350	1·03	1·26	7
	26	Mont Choisy ...	10	1·28	0·91	10
	27	Belle Vue Pilot* ...	...	0·97	...	10
	28	Petite Rosalie * ...	...	3·05	...	10
2&3	1	Union (Régnard) ...	600	1·49	2·22	12
	2	La Grande Retraite*	350	2·04	1·87	10
	3	Constance d'Arifat...	100	1·68	1·64	10
	4	St. Julien P.O. * ...	1,050	2·70	...	16
	5	Rich Fund * ...	600	2·00	...	11
	6	Constance (Manès)*	...	2·42	...	9
	7	Queen Victoria * ...	...	3·06	...	14
	8	Belle Mare ...	...	1·54	1·29	9
4	1	Sans Souci	900	5·66	5·38	11
	2	Etoile	400	3·58	3·52	13
	3	Beau Champ ...	20	1·81	1·55	10
	4	Belle Rive * .	400	4·24	...	16
	5	Olivia *	400	2·20	2·21	10
	6	Deep River* ...	350	2·68	...	10
5	1	Rose Belle* ...	850	5·72	...	17
	2	Cent Gaulettes ...	500	5·45	4·89	18
	3	St. Hubert§ ...	400	...	...	...
	4	Riche-en-Eau ...	460	4·03	3·07	14
	5	Ferney	20	3·61	3·12	11
	6	Beau Vallon (R) ...	60	0·66	1·91	6
	7	Union Vale... ..	200	2·69	1·80	10
5 (cont.)	8	Mon Désert (Carié)...	75	1·61	1·53	15
	9	Riche Bois * ...	1,420	4·00	...	31
	10	Cluny	1,000	7·00	5·64	14
6	1	Kanaka	2,000	9·16	6·68	22
	2	Tivoli ...	1,300	6·74	5·56	19
	3	La Flora*	1,050	6·83	...	21
	4	Britannia (No. 1)...	730	6·55	3·92	17
	4 a	Britannia (No. 2)*	600	3·24	...	24
	5	Gros Bois	500	3·82	3·74	20
	6	Savannah (Residence)	200	1·94	2·38	10
	7	Savannah, (Mill) ...	200	1·87	2·51	11
	8	St. Aubin	300	2·48	2·82	14
	9	Union Bel Air * ...	90	1·86	...	...
	10	Beau Bois	350	3·27	3·75	14
	11	Labarracq * ...	250	2·87	...	13
	12	St. Avold * ...	900	6·91	...	15
	13	Terracine	100	1·90	1·96	10
7,8&9	1	Bel Ombre * ...	50	1·47	...	6
	2	Chamarel ...	400	5·21	2·46	17
10		No returns ...				
11	1	Les Gorges* ...	...	2·77	...	17
	3	Curepipe Gardens ...	1,840	5·13	5·30	17
	4	Mare-aux-Vacoas ...	1,850	8·28	6·53	23
	5	La Marie Filter Bed	1,700	5·00	3·58	21
	6	Réunion	1,420	3·89	3·55	16
	7	Tamarin *	150	0·00	...	...
	8	Clarens §	150	..	...	...
12	1	The Manse ...	850	0·99	2·67	15
	2	The Bower ...	1,080	0·93	1·37	11
	3	Le Réduit (D.of A.)	1,000	1·51	1·73	25
	4	Alma	1,460	3·75	2·27	19
	5	Minissy *	1,150	2·55	...	11
	6	Bagatelle ...	1,250	3·45	2·65	19
	7	Highlands * ...	1,300	3·78	...	20
	8	Trianon	950	1·72	1·73	9
	9	Salency	923	1·74	1·44	8
	10	Military Camp (V.)..	1,370	3·39	2·72	22
	11	La Ferme * ...	350	0·09	...	4
	12	Bon Air	1,050	1·68	1·81	8
	13	Val Ory	1,100	1·90	1·64	20
	14	Pieter Both (Este.)*	...	2·97	...	6
	15	Roslyn Cot. (Este.)*	...	2·10	...	6
	16	Agrément (Estate) *	...	3·50	...	6
	17	Circonstance (Ete.)*	...	2·84	...	6
13	1	Salines (Roche Bois)§	10	...	...	...
	2	The Albion Dock ...	18	0·35	0·56	3
	3	Line Barracks ...	10	0·40	0·43	2

* Normals not available § Record not received 4 a Bon Accueil.

New Series (Monthly). Vol. I. Part 10. Price Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(Latitude 20° 5′ 39″ S.—Longitude 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

OCTOBER, 1915.

A. WALTER, F. R. A. S.

Director.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

NEW SERIES (MONTHLY). VOL. I. PART 10. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20° 5′ 39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

OCTOBER, 1915.

A. WALTER, F. R. A. S.

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1915.

Month and Day. 1915.	Barometric Pressure. Mean	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
Oct. 1	29·866	−·104	77·6	58·1	19·5	67·1	−3·5	60·8	55·7	− 4·9	67	− 4	·443	50·8	0·000	...	·140	3·5
2	29·940	−·028	75·4	57·4	18·0	67·8	−2·9	58·2	50·5	−10·1	54	−17	·366	52·1	0·000	...	·240	6·3
3	29·883	−·083	79·9	60·9	19·0	69·8	−1·0	61·6	55·3	− 5·3	60	−10	·437	56·6	0·000	...	·240	5·8
4	29·852	−·112	83·8	60·0	23·8	71·4	+0·5	65·8	61·7	+ 1·0	71	+ 1	·549	56·5	0·000	...	·240	2·8
5	29·885	−·077	84·6	64·1	20·5	73·4	+2·5	67·3	62·6	+ 1·8	69	− 1	·567	57·3	0·000	...	·230	2·8
6	29·914	−·045	82·2	62·0	20·2	71·7	+0·7	65·8	61·3	+ 0·4	70	0	·541	55·9	0·000	...	·150	2·8
7	29·948	−·009	81·8	64·2	17·6	72·3	+1·2	65·3	60·0	− 0·9	65	− 5	·517	59·2	0·000	...	·260	2·7
8	29·977	+·023	82·7	64·4	18·3	72·4	+1·2	65·8	60·8	− 0·1	67	− 3	·532	58·9	0·000	...	·260	3·6
9	29·968	+·016	76·4	64·6	11·8	69·5	−1·8	65·7	62·7	+ 1·7	79	+ 9	·569	57·8	0·080	40	·100	4·7
10	29·921	−·029	78·6	64·6	14·0	70·8	−0·6	61·3	53·9	− 7·2	55	−15	·415	59·2	0·000	...	·290	4·4
11	29·895	−·053	78·3	58·7	19·6	69·6	−1·8	60·2	53·0	− 8·2	56	−14	·402	49·1	0·000	...	·220	5·9
12	29·893	−·052	80·2	55·5	24·7	68·0	−3·5	61·1	55·4	− 5·9	65	− 5	·438	47·4	0·000	...	·180	5·9
13	29·903	−·039	79·4	65·7	13·7	71·9	+0·3	64·4	58·7	− 2·7	64	− 6	·494	57·7	0·025	20	·315	8·3
14	29·912	−·028	81·6	62·2	19·4	71·1	−0·6	63·4	57·5	− 4·0	62	− 8	·473	54·4	0·000	...	·260	3·3
15	29·915	−·022	81·7	57·4	24·3	70·5	−1·3	63·0	57·2	− 4·3	63	− 7	·468	51·0	0·000	...	·270	1·6
16	29·927	−·009	81·6	66·6	15·0	72·9	+1·0	66·0	60·8	− 0·8	66	− 4	·532	60·7	0·000	...	·280	3·6
17	29·915	−·018	81·0	67·6	13·4	73·8	+1·8	67·2	62·3	+ 0·7	67	− 3	·561	63·9	0·000	...	·360	4·7
18	29·892	−·039	81·8	70·8	11·0	74·3	+2·2	70·8	68·0	+ 6·3	81	+11	·684	68·4	0·020	10	·350	9·1
19	29·909	−·019	81·0	66·1	14·9	73·9	+1·7	69·9	67·0	+ 5·2	79	+ 9	·661	58·5	0·045	25	·215	6·7
20	29·960	+·034	84·0	63·0	21·0	72·8	+0·5	66·2	61·2	− 0·7	67	− 3	·539	55·4	0·000	...	·280	2·0
21	29·970	+·046	84·7	63·9	20·8	74·0	+1·6	65·6	59·4	− 2·5	61	− 9	·506	57·2	0·000	...	·320	1·3
22	29·918	−·004	81·8	67·6	14·2	73·7	+1·2	67·7	63·2	+ 1·2	70	0	·579	60·5	0·000	...	·350	6·1
23	29·913	−·006	82·7	65·9	16·8	73·4	+0·8	66·7	61·7	− 0·4	67	− 3	·549	61·1	0·000	...	·300	6·2
24	29·969	+·051	81·9	63·8	18·1	72·5	−0·2	65·1	59·4	− 2·8	64	− 6	·506	55·1	0·000	...	·280	3·3
25	30·006	+·091	81·7	67·0	14·7	73·5	+0·7	65·5	59·6	− 2·6	62	− 8	·510	62·8	0·000	...	·440	2·9
26	29·992	+·079	82·1	66·8	15·3	74·0	+1·1	66·4	60·7	− 1·6	64	− 5	·530	59·1	0·000	...	·32	5·3
27	29·962	+·051	82·7	66·8	15·9	74·7	+1·7	66·5	60·4	− 1·9	61	− 8	·524	59·0	0·000	...	·36	5·9
28	29·943	+·034	83·2	64·3	18·9	74·8	+1·7	65·4	58·4	− 4·0	57	−12	·488	55·7	0·000	...	·440	3·6
29	29·935	+·029	82·2	62·5	19·7	72·5	−0·7	64·9	59·2	− 3·3	63	− 6	·502	53·8	0·000	...	·400	5·2
30	29·934	+·030	83·7	65·5	18·2	73·8	+0·5	66·2	60·7	− 1·9	64	− 5	·530	60·2	0·000	...	·300	5·9
31	29·898	−·005	84·9	64·0	20·9	75·7	+2·3	67·5	61·5	− 1·2	62	− 7	·545	56·8	0·000	...	·380	4·2
Mean	29·926	−·010	81·5	63·6	17·9	72·2	+0·3	65·1	59·7	− 1·9	65·2	−4·7	·515	57·2	Sum 0·170	Sum 95	·283	4·5
Average	29·936	...	80·8	64·7	16·1	71·9	...	66·1	61·6	...	69·9	...	·547	58·9	1·277	833	·223	5·2
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of October.

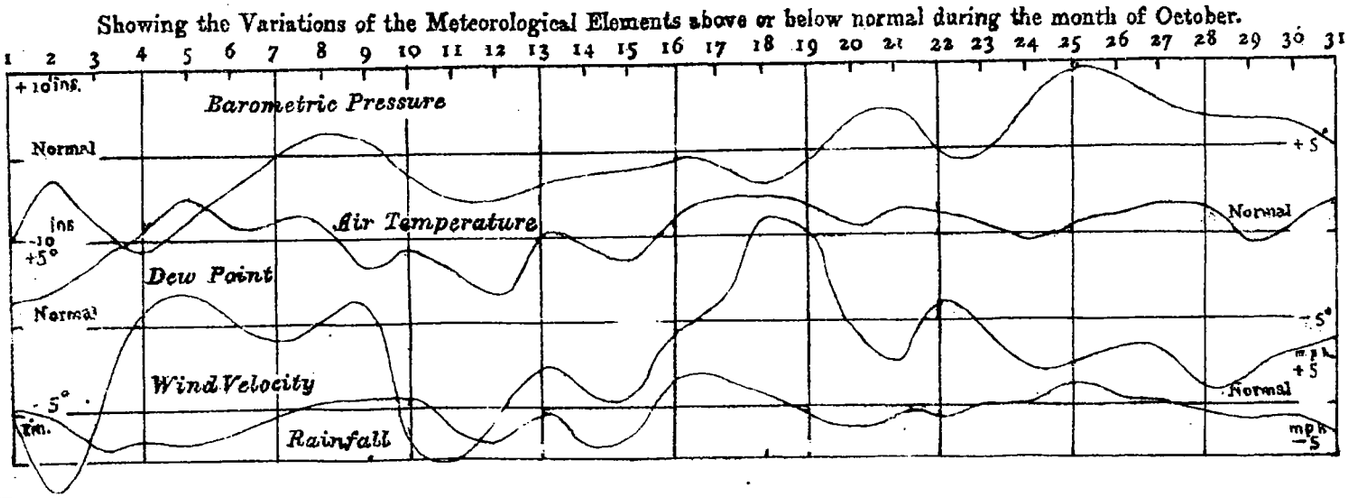


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
Oct. 1	6·5	53	−10·4	+ 5·2	27	11·6	− 48	+ 1·6	12·2	+ 0·7	76·7	75·9	76·87	76·15	75·74	f. : c.g. :f.q.: f. : b.
2	8·4	69	− 3·8	+ 9·4	68	10·1	− 7	+ 0·1	10·8	− 0·6	77·0	75·9	75·42	74·46	74·25	f. : c. o.g.
3	9·3	76	+ 2·4	+ 5·3	114	5·8	+ 39	− 4·1	7·2	− 4·2	76·9	75·8	76·68	76·38	78·03	o.g. : c. : f : b.
4	11·1	90	+ 3·8	+ 2·4	148	4·5	+ 73	− 5·4	8·0	− 3·3	76·8	75·8	77·68	77·67	79·47	b. : c. : b.
5	10·9	89	+ 3·6	+ 4·4	129	5·7	+ 53	− 4·1	7·4	− 3·9	76·5	75·8	78·95	79·24	80·88	b. : f. : c. : f. : b.
6	11·4	93	+ 0·1	+ 7·9	91	7·9	+ 15	− 1·9	8·8	− 2·5	76·5	75·8	79·58	79·79	81·19	b. : f. : c.: f. : b.
7	10·5	85	− 1·9	+ 9·9	79	10·1	+ 3	+ 0·4	10·8	− 0·4	76·7	76·1	80·15	80·17	81·63	b. : f. : b.
8	10·9	89	− 3·7	+10·3	70	10·9	− 6	+ 1·2	11·3	+ 0·1	76·3	75·6	79·98	79·78	80·87	b. : f. : c. : f : b.
9	4·5	36	− 5·5	+10·2	62	11·5	− 14	+ 1·9	12·2	+ 1·0	76·5	75·6	78·89	77·92	77·04	b. : f : c.q.p. : c.q: f.
10	10·8	87	− 8·8	+ 8·6	44	12·3	− 33	+ 2·7	12·5	+ 1·4	76·5	75·7	77·35	77·07	78·25	b. : f. : c.
11	10·4	84	− 4·6	+ 6·8	56	8·2	− 21	− 1·4	8·9	− 2·2	76·7	76·1	78·91	78·72	80·02	c.g. : f. : c. : f.
12	6·0	48	− 1·5	+ 5·7	75	5·9	− 2	− 3·6	7·2	− 3·8	76·5	75·8	78·66	77·81	77·73	f. : c.
13	8·9	72	− 1·4	+10·4	82	10·5	+ 5	+ 1·0	10·9	− 0·1	76·4	75·8	78·47	78·04	79·43	o.p: c.
14	8·4	67	− 1·9	+ 5·3	70	5·7	− 7	− 3·7	6·9	− 4·1	76·7	76·1	79·31	79·10	80·25	f. : b. : f. : c. : f. : b.
15	9·9	79	− 4·0	+ 5·5	54	6·8	− 24	− 2·6	7·6	− 3·3	76·5	75·3	79·49	79·32	80·88	b.
16	10·7	86	− 8·0	+11·4	55	13·9	− 23	+ 4·5	14·2	+ 3·3	76·5	75·8	80·44	80·48	81·85	b. : f. : c.q: f.q. : b.
17	8·6	69	− 4·9	+12·8	69	13·7	− 9	+ 4·4	14·3	+ 3·4	76·5	76·0	81·07	81·10	82·57	b. : f. : c. : f. : b. : f. : o.
18	6·2	50	− 1·5	+12·3	83	12·4	+ 5	+ 3·1	12·8	+ 1·9	76·3	76·0	81·95	82·01	83·59	c.g.p: :o.g.d.q.: c.q.
19	6·0	48	+ 0·4	+ 9·7	92	9·7	+ 14	+ 0·4	10·1	− 0·8	76·5	76·1	81·59	81·45	82·66	c.g: c.g.p. : c. : b.
20	10·0	79	− 2·6	+ 7·6	71	8·0	− 8	− 1·3	8·6	− 2·3	76·5	76·3	81·38	81·44	83·03	b. : f. : b.
21	11·7	93	− 6·3	+ 7·6	50	9·8	− 29	+ 0·6	10·2	− 0·7	76·3	76·2	82·24	82·38	84·38	b.
22	8·0	63	− 2·1	+ 9·4	77	9·6	− 2	+ 0·4	10·0	− 0·8	76·5	76·3	82·77	82·69	83·97	c. : b. : c. : f.
23	11·5	91	− 1·0	+11·1	85	11·1	+ 6	+ 1·9	11·4	+ 0·6	76·7	76·3	82·55	82·20	83·62	f. : c.
24	11·4	90	− 3·7	+10·4	70	11·1	− 9	+ 1·9	11·4	+ 0·6	76·7	76·3	82·66	82·42	83·40	f. : f.q. : f.
25	11·4	90	− 6·1	+11·7	62	13·2	− 18	+ 4·1	13·6	+ 2·8	76·6	76·8	82·82	82·60	83·78	f. : f.q. : b.
26	10·3	81	− 5·6	+10·2	61	11·6	− 19	+ 2·5	11·9	+ 1·1	76·6	76·8	83·07	82·98	84·40	f. : c. : c.q. : c. : f.
27	10·3	81	− 5·8	+ 9·3	58	10·9	− 22	+ 1·8	11·1	+ 0·3	76·4	76·6	83·47	83·50	85·48	c. : f. : c.
28	11·4	90	− 2·1	+ 8·8	77	9·1	− 3	0·0	9·8	− 0·9	76·6	76·8	84·28	84·43	86·17	f. : o. :c.q.: b.
29	11·2	88	0·0	+ 8·5	90	8·5	+ 10	− 0·6	9·6	− 1·1	76·5	76·8	84·08	83·66	84·32	c. : f. : c. : f. : c. : f.
30	10·2	80	+ 0·6	+ 9·2	94	9·2	+ 14	+ 0·2	9·5	− 1·2	76·3	76·8	83·87	83·55	84·72	c. f. : c. : f.
31	10·8	84	+ 2·0	+ 3·8	118	4·3	+ 37	− 4·7	7·1	− 3·6	76·5	77·0	84·10	83·81	85·76	f. : c. : f. : c. : f.
Mean -	9·60	76·8	− 2·72	+ 8·42	72·1	8·85	−5·6	−0·56	10·27	−0·73	76·55	76·13	80·60	80·40	81·59	...
Average	8·33	66·6	− 2·00	+ 9·20	77·7	9·41	...	...	11·00	...	75·95	75·48	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The characteristic features of the month were :—a marked defect in rainfall (which was 87 % below normal), very variable dew point, and wind direction again more southerly than usual.

Pressure was below normal on 20 days and was in defect on the mean for the month by 0·010 ins.

Relative humidity was 4·7 % below normal, and evaporation from a free water surface 27% above.

The highest dew point temperature was 70°·1 at 7h. on the 19th ; and the lowest 48°·1 at 4h. on the 2nd.

The highest relative humidity was 93·8 % at 5h. on the 9th ; and the lowest 33·0 % at 13h. on the 21st.

The shortage of Rainfall over the whole Island, as will be seen from the percentage variation from the normal in the different districts, was very marked. For the whole Island it was nearly 75% below normal. Following the persistent drought of the previous 12 months this shortage in October is likely to seriously affect the growing canes.

Northern Districts	River System 1,	76 % below normal
Eastern Districts	,, ,, 2, 3, 4.	63 % below ,,
South-Eastern Districts	,, ,, 5 & 6	75 % below ,,
Western Districts	River System 11	75 % below normal
	,, ,, 12	74 % below ,,
	,, ,, 13	99 % below ,,

(Nov. 17, 1915)

* South (0°) ; East (90°) ; North (180°) ; West (270°).

TABLE II.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of OCTOBER 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force	Daily Range of. Vertical Force.	Unit 1 γ	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′					h m	h m	h m	″	h m	h m	h m	″	
Oct. 1	9.42·6	·23207	·30805	9·0	37	18											
2	43·1	225	799	6·4	37	21											
3	42·8	235	794	8·0	45	21		1420	...	...	...	...	11.36·7	...	...	...	Seismograph under adjustment.
4	42·0	231	794	6·0	26	17											
5	43·0	231	788	7·8	20	19											
6	42·6	232	786	9·4	11	27											
7	42·6	231	782	8·0	28	20											
8	42·9	232	783	4·8	27	12		1421	9.13·2	9.14·8	9.18·5	...	...	9.13·0	...	...	Feeble.
9	42·4	231	780	6·6	23	11											
10	42·9	236	778	9·2	38	19											
11	41·9	216	782	8·4	47	18											
12	42·9	226	784	6·0	38	17											
13	42·2	235	784	5·8	46	9											
14	42·1	218	785	6·0	109	18											
15	42·5	171	794	8·6	122	13											
16	42·9	200	794	7·2	90	12											
17	42·8	208	796	7·0	43	14											
18	43·4	217	790	8·0	19	23											
19	42·9	206	785	12·0	85	24											
20	43·2	200	789	7·8	62	21											
21	42·7	210	789	9·0	28	33											
22	42·7	209	795	7·6	94	19											
23	43·0	189	800	5·4	103	23											
24	42·4	190	801	7·8	38	18											
25	41·8	177	804	7·8	86	20											
26	42·1	198	807	7·0	49	12											
27	43·3	206	800	10·0	20	24											
28	43·1	213	798	6·0	26	9											
29	43·9	216	797	9·2	31	18											
30	42·7	239	792	8·8	59	21											
31	42·7	235	788	8·0	47	15											
Mean	9.42·71	·23215	·30792	7·10	49·5	18·3		...	...	...	...	...	...	...	...	...	...

Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of OCTOBER 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.	MAGNETIC DISTURBANCES. Element.	Time of. Beg:	Time of. End.	Time of. Max:	Time of. Min:	Total Range
d h m	° ′	d h m		d h m	° ′		d h m	d h	d h m	d h m	
Oct. 7. 8.40	9.46·8	Oct. 7. 9.42	·23224	Oct. 4. 9. 5	52.59·1	Hor. Force	14.17.50	16.8	15. 7¾	15.17¾	123γ
13.50	9.39·7	13.13	·23252	9.12.24	52.56·9	Declination	14.18	16.9	15.20¼	15.14	9′·2
14. 8.40	9.44·6	14. 9.40	·23231	13.12.34	52.54·3	Hor. Force	17. 2	17.5	17. 2.40	17. 2	33γ
13.45	9.39·8	13.30	·23249	16.10.31	52.58·9	Hor. Force	23.14	24.4	24. 3.20	23.17.52	123γ
21. 8. 2	9.43·7	21. 9. 0	·23205	20.10.36	52.59·4	Declination	23.16	24.8	23.18.40	23.17	6′·4
13.47	9.37·7	13. 3	·23222	23. 8.20	52.59·5						
27. 7.55	9.47·6	27. 8.46	·23207	27.12.22	52·56·3						
27.13.39	9.38·6	12·58	·23213	30.10.40	52.56·1						

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

OCTOBER 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	ins. 29·000																
Midnight	829	931	928	866	893	921	949	972	1005	968	913	888	917	927	942	947	Midnight
1h	821	921	907	848	879	913	937	948	988	960	905	883	904	919	924	939	1h
2	808	915	894	839	868	902	918	927	975	939	906	877	891	901	916	921	2
3	809	907	883	833	860	897	908	927	965	930	914	873	879	904	899	914	3
4	816	919	877	829	859	898	920	937	969	929	919	874	886	896	901	911	4
5	828	937	888	835	869	909	934	949	969	939	928	881	888	898	908	913	5
6	837	949	909	849	887	919	944	970	980	948	930	889	896	916	916	921	8
7	858	967	920	864	901	932	955	980	998	956	921	901	909	929	929	939	7
8	884	976	934	889	910	940	957	995	1000	955	919	914	921	936	941	951	8
9	895	973	940	891	919	943	955	1007	1010	951	900	922	928	938	948	953	9
10	888	968	931	884	912	936	954	1006	1001	935	881	916	921	931	936	946	10
11	881	961	913	864	900	915	951	996	937	920	862	903	913	918	923	923	11
Noon	856	949	891	841	879	896	941	979	978	891	852	886	894	899	909	914	Noon
13h	840	938	861	820	850	880	918	959	940	860	842	870	881	881	886	901	13h
14	835	920	844	804	840	865	910	948	927	830	843	870	868	868	873	888	14
15	840	919	827	799	830	859	908	943	914	847	853	867	861	861	861	886	15
16	851	914	820	798	840	866	919	949	919	885	870	858	868	863	858	893	16
17	862	920	830	811	850	883	931	959	923	901	889	871	881	886	871	911	17
18	882	929	840	834	870	903	958	985	947	925	901	884	899	894	899	929	18
19	902	943	860	860	894	930	980	1004	959	938	911	902	912	922	922	942	19
20	912	949	876	880	919	949	998	1022	968	939	916	920	930	935	940	955	20
21	927	958	890	900	931	959	1002	1028	969	938	916	923	943	953	948	968	21
22	938	959	885	908	929	960	999	1027	979	930	908	920	937	952	952	962	22
23	938	949	877	901	928	959	984	1020	976	925	897	915	935	950	950	950	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	ins. 29·000																
Midnight	938	932	890	957	1013	966	930	957	1015	1024	1007	967	956	944	937	943	Midnight
1h	934	918	886	947	997	947	917	956	1004	1007	995	947	940	930	923	930	1h
2	917	897	877	933	980	934	900	943	996	997	978	946	927	917	909	918	2
3	909	877	867	927	976	917	893	936	990	987	966	945	921	908	907	911	3
4	906	881	869	933	970	916	893	937	985	986	964	943	926	913	900	912	4
5	917	888	883	940	974	917	896	945	995	993	977	951	933	926	910	920	5
6	918	904	897	954	985	927	906	959	1006	1003	986	956	941	941	918	931	8
7	935	918	915	964	1001	943	918	977	1027	1017	992	958	951	965	928	944	7
8	948	922	928	976	1007	949	927	978	1028	1018	991	958	954	977	929	952	8
9	937	918	928	978	999	948	930	987	1032	1019	990	963	964	968	927	954	9
10	933	907	926	976	990	934	927	988	1027	1016	986	964	958	967	911	947	10
11	912	898	918	967	966	916	917	978	1016	1003	963	955	953	948	898	933	11
Noon	893	877	909	952	951	901	909	969	1010	989	949	945	940	935	882	918	Noon
13h	878	853	889	934	938	879	884	956	991	963	929	919	925	911	859	898	13h
14	869	858	881	925	923	867	871	948	977	949	918	907	899	898	849	886	14
15	866	851	874	917	919	867	871	933	975	941	900	899	889	891	837	881	15
16	870	850	878	926	920	870	873	933	970	949	906	890	890	900	839	885	18
17	880	858	891	938	929	881	883	938	978	955	919	898	905	907	846	896	17
18	893	878	908	959	948	898	907	959	983	963	941	919	919	919	869	914	18
19	918	886	931	979	967	909	925	980	1006	987	950	944	938	930	888	933	19
20	937	908	947	996	985	928	942	1007	1027	998	968	958	948	948	908	949	20
21	952	915	959	1010	991	937	957	1019	1035	1016	976	967	957	953	923	959	21
22	949	915	966	1017	988	944	965	1027	1037	1018	981	968	957	963	937	961	22
23	946	910	965	1016	978	946	967	1024	1035	1014	975	968	950	952	926	956	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

OCTOBER 1915.

Day. / Hour.	1d. Air.	1d. Evaporation.	2d. Air.	2d. Evaporation.	3d. Air.	3d. Evaporation.	4d. Air.	4d. Evaporation.	5d. Air.	5d. Evaporation.	6d. Air.	6d. Evaporation.	7d. Air.	7d. Evaporation.	8d. Air.	8d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	65·7	63·7	61·4	55·3	67·6	58·9	61·1	58·9	65·5	63·6	64·5	62·1	64·5	62·1	67·9	64·9	Midnight
1h	63·5	61·5	59·6	54·1	66·5	59·0	60·5	58·3	65·3	63·6	64·6	62·8	64·5	62·1	66·9	64·1	1h
2	62·6	60·2	57·6	53·2	66·2	59·1	60·8	59·0	65·2	63·6	64·3	62·4	66·2	64·0	66·5	64·0	2
3	59·6	57·6	59·7	54·0	66·2	58·9	60·5	58·9	65·3	64·1	63·1	61·2	66·2	64·0	65·5	63·1	3
4	58·8	56·6	61·0	54·1	63·5	57·4	60·6	59·0	65·5	64·0	62·6	61·0	65·7	63·5	65·5	63·1	4
5	58·7	56·3	60·2	53·8	62·9	58·2	60·7	59·3	64·3	63·0	62·5	61·1	64·7	62·7	64·6	62·3	5
6	58·4	56·2	59·2	53·7	64·3	58·0	60·7	59·2	65·7	64·6	64·2	63·1	64·7	62·6	64·4	62·3	6
7	66·0	62·4	64·8	56·0	66·4	58·7	67·3	64·1	71·8	69·1	70·3	67·6	70·3	65·9	68·8	66·1	7
8	69·3	65·0	69·9	58·8	71·0	61·2	71·8	67·6	76·0	70·5	74·8	68·7	75·3	67·4	74·8	68·3	8
9	69·8	66·3	71·3	59·9	75·3	63·6	76·8	69·4	78·8	71·2	76·8	69·0	77·6	67·5	76·8	67·2	9
10	73·0	65·3	73·8	59·7	74·8	63·5	79·3	70·1	81·7	71·0	79·6	69·2	79·1	67·4	78·9	67·6	10
11	73·2	65·1	73·7	60·6	76·5	64·3	79·8	70·1	82·9	71·1	80·0	69·3	79·0	67·6	80·7	67·8	11
Noon	73·7	66·0	73·7	60·7	76·7	65·1	82·3	71·7	83·2	71·5	80·7	69·1	81·2	67·6	81·7	68·4	Noon
13h	75·6	64·7	74·8	61·4	79·1	65·7	82·6	71·0	83·6	70·5	81·4	69·0	81·3	68·0	80·6	68·0	13h
14	76·6	64·7	73·5	61·0	79·6	66·3	82·1	71·1	81·6	69·4	81·1	69·0	81·1	67·5	79·9	67·2	14
15	74·9	63·1	73·1	60·1	79·6	66·1	82·6	70·1	84·3	71·0	80·6	68·7	80·9	67·0	78·7	66·1	15
16	73·6	62·3	72·7	59·5	77·1	65·3	81·6	70·5	83·6	71·2	79·4	68·7	78·1	65·2	78·8	67·0	16
17	70·7	61·0	71·3	59·6	74·3	64·3	80·3	70·1	79·5	68·3	77·1	67·6	75·6	65·0	76·5	66·6	17
18	68·0	60·3	69·8	60·9	71·8	64·0	76·5	69·9	77·4	68·5	73·8	67·0	73·5	65·0	73·2	66·4	18
19	65·7	58·3	69·4	60·0	69·0	63·0	72·5	69·0	73·5	67·7	71·5	66·0	70·5	64·8	71·2	66·1	19
20	65·2	58·9	69·1	59·9	65·6	61·2	70·1	66·9	69·6	65·8	68·9	65·1	69·5	64·7	70·0	65·8	20
21	64·6	56·4	68·5	59·3	63·0	59·9	67·6	65·1	67·1	64·5	66·9	64·0	68·3	64·6	69·0	65·5	21
22	63·7	56·4	68·5	59·1	61·7	59·1	66·5	64·2	66·4	64·1	66·3	63·6	67·7	64·1	68·4	65·3	22
23	62·6	55·8	67·8	59·6	60·9	58·8	65·9	64·1	65·1	63·1	65·2	62·8	68·0	64·8	68·4	65·3	23

Day. / Hour.	9d. Air.	9d. Evaporation.	10d. Air.	10d. Evaporation.	11d. Air.	11d. Evaporation.	12d. Air.	12d. Evaporation.	13d. Air.	13d. Evaporation.	14d. Air.	14d. Evaporation.	15d. Air.	15d. Evaporation.	16d. Air.	16d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	67·6	65·0	66·9	61·7	66·6	59·0	58·6	55·3	66·5	63·3	65·6	61·9	63·1	58·8	67·6	63·7	Midnight
1h	67·1	64·5	65·7	61·3	65·6	59·2	56·6	54·2	67·2	65·1	63·6	60·9	60·6	57·7	67·1	63·0	1h
2	65·9	64·0	65·2	60·7	64·4	59·0	55·6	53·4	67·2	64·2	63·9	60·4	59·6	56·8	68·6	64·6	2
3	66·0	64·0	65·5	60·4	65·6	59·0	55·6	52·8	67·6	64·0	64·1	61·4	58·1	56·0	67·6	64·8	3
4	65·1	63·0	65·4	60·1	65·8	59·4	56·2	53·1	67·9	63·7	62·7	60·4	57·7	56·0	67·2	65·1	4
5	65·0	64·0	64·8	59·7	63·3	58·8	58·2	56·0	68·2	63·5	63·2	61·0	57·7	56·4	68·4	65·3	5
6	64·9	62·6	65·1	59·3	63·5	57·8	59·7	56·4	68·7	63·3	64·7	61·1	58·2	56·1	68·7	65·6	6
7	69·8	67·2	68·8	61·9	67·8	59·6	66·8	61·1	71·8	64·8	70·8	65·1	67·8	62·2	71·8	66·2	7
8	74·3	68·2	71·8	62·7	71·5	60·4	73·0	63·7	73·1	63·5	74·8	66·2	74·8	65·2	73·8	68·1	8
9	71·1	68·2	75·1	62·2	74·8	62·2	71·0	64·2	76·3	65·6	77·6	66·4	77·3	65·7	77·5	68·4	9
10	71·3	68·6	76·9	63·0	77·3	63·0	75·8	64·4	75·0	65·2	79·0	66·8	79·0	66·2	78·8	68·2	10
11	73·7	69·1	76·8	63·0	76·2	62·8	77·7	63·4	77·7	65·6	79·7	67·1	79·9	66·2	79·9	67·9	11
Noon	71·7	67·9	76·7	63·0	75·7	62·8	78·4	63·1	78·7	66·6	81·2	67·8	80·7	66·6	79·7	67·3	Noon
13h	70·8	68·5	78·6	63·0	77·4	62·0	79·8	64·0	77·6	65·7	79·3	66·1	80·9	66·5	80·6	67·0	13h
14	72·5	68·8	77·9	63·5	77·8	61·8	76·6	63·0	78·3	66·3	78·2	65·7	81·7	66·1	81·1	67·1	14
15	75·7	67·9	76·7	62·9	76·8	61·4	75·5	64·9	77·6	66·2	77·9	66·4	79·5	66·3	79·9	67·6	15
16	73·2	67·0	75·7	62·0	75·1	61·8	74·4	65·1	75·8	65·8	76·9	65·0	77·6	66·0	77·8	67·3	16
17	71·9	66·2	72·5	61·0	73·2	61·4	72·8	64·2	74·4	65·0	75·5	65·0	74·7	65·2	75·5	66·1	17
18	70·1	65·4	70·5	60·2	70·5	60·5	70·8	63·8	72·5	64·2	74·7	64·5	73·2	65·7	72·9	66·0	18
19	68·6	64·9	69·3	59·4	68·0	60·4	68·7	63·3	70·5	63·1	71·0	62·5	71·4	65·1	71·1	65·6	19
20	68·2	64·2	68·9	59·6	66·6	60·2	67·6	63·1	68·5	63·1	68·6	61·7	70·5	65·3	70·2	65·1	20
21	68·2	63·7	68·5	60·3	66·3	60·1	66·4	62·4	67·9	63·0	65·4	60·1	69·5	65·5	69·0	64·9	21
22	68·5	63·1	68·3	61·7	63·6	58·1	66·5	62·5	68·6	63·3	64·6	59·9	68·1	64·4	67·8	64·5	22
23	67·7	62·8	68·7	60·7	60·6	57·0	66·8	64·0	67·3	62·9	63·6	59·2	67·6	63·9	67·3	64·3	23

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

OCTOBER 1915.

Hour \ Day.	17d. Air.	17d. Evaporation.	18d. Air.	18d. Evaporation.	19d. Air.	19d. Evaporation.	20d. Air.	20d. Evaporation.	21d. Air.	21d. Evaporation.	22d. Air.	22d. Evaporation.	23d. Air.	23d. Evaporation.	24d. Air.	24d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	67·6	64·1	72·7	68·7	72·2	70·6	67·5	65·1	68·6	65·0	71·3	67·0	68·5	66·0	66·5	63·8	Midnight
1h	67·6	63·7	71·6	68·8	70·9	69·3	66·2	63·9	68·6	64·9	71·0	67·1	68·5	65·7	65·6	63·2	1h
2	67·9	63·9	70·8	68·6	71·9	70·4	63·8	61·7	66·6	63·3	70·9	67·2	68·7	66·1	66·6	63·9	2
3	68·0	64·2	71·5	69·2	71·9	70·6	63·6	61·7	64·6	62·3	70·4	67·0	67·5	64·9	65·0	63·5	3
4	68·7	64·2	71·8	69·6	71·8	70·3	64·0	62·2	64·6	62·5	67·6	65·2	67·0	64·3	64·8	62·6	4
5	69·5	64·2	71·5	69·6	71·8	70·5	63·8	62·0	63·9	61·7	67·6	65·6	66·5	63·8	64·5	61·7	5
6	69·5	64·5	71·6	69·7	71·5	70·1	64·6	62·9	65·8	63·3	68·9	66·1	66·5	64·0	64·5	61·5	6
7	71·5	65·0	72·4	69·9	72·7	71·2	70·6	68·0	72·6	66·2	69·1	67·8	72·6	67·0	70·6	65·0	7
8	74·6	66·5	76·1	71·0	74·5	71·0	76·1	68·6	76·5	67·5	72·3	68·1	76·6	67·8	75·6	65·5	8
9	77·1	67·2	74·6	71·3	76·1	71·4	78·6	68·1	79·6	68·2	77·1	69·1	78·8	68·6	78·1	66·2	9
10	78·5	67·2	79·0	71·4	77·1	71·9	79·6	68·9	81·8	67·3	79·0	69·0	79·9	69·6	79·6	66·8	10
11	79·6	68·4	78·6	72·5	78·1	72·3	80·8	69·8	82·1	68·3	79·6	69·5	80·6	69·0	80·3	67·2	11
Noon	80·0	68·5	79·7	71·8	79·9	72·3	81·9	67·8	83·7	66·9	81·0	69·3	80·9	68·5	81·8	67·4	Noon
13h	79·9	69·2	81·6	72·5	80·7	72·5	82·4	68·8	84·2	64·7	80·2	68·8	80·7	68·9	80·9	67·5	13h
14	80·3	69·8	77·4	72·3	78·7	70·6	82·7	69·0	82·7	64·7	81·0	69·2	80·6	69·1	80·7	67·9	14
15	79·7	70·0	78·8	72·2	78·6	71·0	82·3	69·0	82·0	65·7	79·7	68·8	80·2	68·5	79·7	67·3	15
16	77·6	69·0	75·9	72·1	78·1	70·7	79·5	68·3	79·6	66·7	78·9	68·1	78·6	68·3	78·0	66·8	16
17	75·6	69·0	74·9	71·5	75·1	69·2	76·6	68·0	76·9	66·1	77·7	68·4	77·1	67·7	76·2	66·0	17
18	74·2	68·5	72·7	71·0	73·4	68·8	74·0	67·2	74·4	66·6	74·6	68·6	74·3	67·2	73·5	65·3	18
19	72·6	68·4	72·6	71·0	71·6	68·0	71·9	66·7	72·6	67·1	72·8	68·0	72·2	66·2	71·6	65·0	19
20	72·0	68·4	72·5	70·7	70·8	68·0	70·7	66·1	72·1	67·6	71·5	67·5	70·5	65·6	69·9	64·8	20
21	71·7	68·3	72·0	70·5	69·9	67·2	69·2	65·3	71·2	66·1	69·8	66·6	69·2	65·1	68·5	64·4	21
22	72·5	68·7	71·8	70·3	69·6	67·0	68·6	65·2	70·5	65·6	69·0	66·1	68·5	65·1	68·4	64·3	22
23	72·7	68·8	72·2	70·8	68·7	66·2	67·6	64·3	70·1	66·3	68·6	66·0	67·6	64·6	68·0	64·1	23

Hour \ Day.	25d. Air.	25d. Evaporation.	26d. Air.	26d. Evaporation.	27d. Air.	27d. Evaporation.	28d. Air.	28d. Evaporation.	29d. Air.	29d. Evaporation.	30d. Air.	30d. Evaporation.	31d. Air.	31d. Evaporation.	Mean. Air	Mean. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	67·5	63·7	68·6	64·7	67·3	64·1	71·6	64·1	64·3	61·1	67·7	63·4	71·3	66·2	66·9	63·1	Midnight
1h	67·3	63·5	69·6	65·3	68·5	65·2	71·5	64·1	63·2	60·2	67·9	63·5	67·3	63·7	66·1	62·7	1h
2	67·3	63·5	68·9	65·1	68·5	65·2	71·6	64·0	64·3	61·4	66·9	63·2	66·6	64·2	65·8	62·6	2
3	67·6	63·7	68·7	64·7	70·0	65·6	71·6	63·5	63·5	60·8	66·6	63·2	66·1	63·1	65·6	62·3	2
4	67·5	63·6	69·1	65·2	70·6	66·3	71·3	64·1	62·9	60·2	66·6	63·2	65·6	63·0	65·3	62·1	4
5	67·4	63·4	70·2	66·1	71·2	67·6	70·8	63·5	63·2	61·4	65·9	63·0	64·4	61·8	65·1	62·2	5
6	68·8	64·2	70·8	66·3	71·1	67·1	70·4	63·4	66·6	63·1	67·5	64·2	66·4	63·4	65·8	62·4	6
7	73·6	66·1	74·7	68·1	73·8	67·6	75·6	64·6	72·6	66·1	73·5	65·7	73·5	67·2	70·7	65·3	7
8	76·6	67·2	76·1	68·3	75·6	67·9	77·2	64·6	75·5	66·4	76·1	66·1	75·8	67·5	74·4	66·4	8
9	76·6	67·0	76·6	68·1	78·6	67·2	78·6	66·1	76·6	67·4	77·5	66·9	79·6	68·8	76·4	67·0	9
10	79·6	66·9	79·9	67·1	78·9	68·4	79·8	67·0	79·9	67·6	79·9	67·9	81·6	68·9	78·3	67·3	10
11	80·8	68·0	80·6	67·7	81·0	68·3	80·6	67·6	80·6	67·9	80·8	68·0	82·9	70·1	79·2	67·6	11
Noon	81·1	67·7	81·2	67·0	81·0	68·4	80·7	68·7	81·4	68·3	81·9	69·2	84·7	71·5	79·9	67·7	Noon
13h	81·1	67·1	81·7	67·2	81·6	68·3	81·3	68·3	80·5	68·3	82·7	69·0	84·8	71·3	80·3	67·5	13h
14	80·7	67·2	81·6	67·4	82·1	68·1	82·0	68·1	79·7	68·1	81·7	69·3	84·9	71·1	79·9	67·4	14
15	80·1	67·5	79·7	67·8	81·6	68·3	81·7	68·0	79·9	68·0	81·7	70·1	84·9	70·8	79·5	67·4	15
16	78·7	67·2	78·1	67·3	79·6	67·6	81·0	67·1	79·1	67·6	79·4	69·0	84·1	71·0	78·0	67·0	16
17	76·1	65·7	76·6	66·9	76·9	67·0	79·3	67·1	77·5	67·0	77·9	68·0	82·6	70·5	75·9	66·3	17
18	74·2	65·1	74·4	67·1	73·7	65·5	75·3	66·3	75·4	66·1	75·6	67·5	78·6	69·3	73·5	65·9	18
19	71·9	65·7	72·4	66·2	72·6	65·4	72·4	65·7	73·6	64·6	73·6	67·1	77·0	67·7	71·4	65·2	19
20	70·3	65·0	70·7	66·1	71·6	64·2	70·6	65·1	72·0	65·0	69·9	65·3	75·4	67·8	69·9	64·7	20
21	69·6	64·9	69·9	65·9	71·9	64·4	70·6	65·2	69·8	64·2	68·6	64·4	73·8	67·8	68·8	64·2	21
22	69·1	64·6	68·3	64·2	71·9	64·1	67·6	63·3	68·0	63·1	68·6	65·1	73·6	67·6	68·1	63·8	22
23	68·6	64·3	66·9	64·0	71·6	64·1	65·6	62·0	67·4	63·0	70·1	66·1	73·4	67·9	67·5	63·6	23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour. \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Mean.
	OCTOBER 1915.																															
Midnight	4	0	10	1	2	1	1	1	1	1	10	3	10	6	0	1	0	10	9	0	1	7	6	3	3	4	10	4	1	7	3	4·0
1h	2	1	10	2	2	0	0	0	0	1	10	2	10	2	0	3	0	10	8	2	0	10	3	3	4	8	4	2	8	8	2	3·8
2	2	3	10	2	1	0	9	2	0	1	7	1	10	1	0	2	0	9	10	1	0	10	3	2	4	2	6	3	9	7	6	4·0
3	0	2	10	1	1	0	2	0	1	0	8	3	9	0	0	3	4	8	9	0	1	4	9	1	3	1	9	10	1	4	7	3·6
4	0	1	10	1	2	1	3	0	1	0	7	2	9	0	0	3	7	10	10	0	1	0	8	1	4	8	10	10	2	2	5	3·8
5	0	2	10	1	1	2	4	2	1	0	10	5	9	1	1	2	10	10	10	0	1	0	8	2	6	7	9	10	6	3	5	4·4
6	0	3	10	1	2	2	3	2	2	0	5	6	8	1	1	3	9	9	10	1	1	8	8	3	5	8	9	8	5	3	7	4·6
7	7	3	9	1	3	3	4	6	3	0	5	5	7	1	1	4	10	9	9	1	1	10	7	6	4	2	4	8	7	7	8	4·0
8	9	3	8	7	4	5	4	5	6	1	7	6	6	2	1	4	7	9	9	2	2	10	8	3	5	7	7	6	8	6	8	5·7
9	10	7	6	7	7	7	4	9	9	0	7	8	5	3	0	7	6	6	10	5	1	8	6	2	7	7	9	0	7	8	6	5·9
10	10	6	10	8	7	7	3	9	7	3	6	7	9	4	1	7	2	8	9	5	1	8	6	2	3	6	8	1	6	9	2	5·8
11	10	7	9	8	6	7	4	6	7	7	8	6	9	3	2	6	2	10	10	5	1	7	5	2	3	6	6	2	7	6	4	5·8
Noon	6	9	8	6	6	3	5	8	9	7	7	6	8	5	2	4	1	9	8	3	0	7	6	5	3	8	1	4	7	8	3	5·5
13h	6	9	6	7	6	3	4	6	10	4	7	6	9	7	3	3	2	8	9	2	0	7	4	4	2	9	1	2	6	4	2	5·1
14	4	8	5	6	6	4	3	7	10	7	6	8	9	9	1	3	1	10	7	2	1	7	6	5	2	9	1	0	6	6	2	5·2
15	5	8	4	2	3	4	3	5	8	4	4	10	8	6	3	4	1	10	6	2	1	5	5	4	1	6	3	1	0	6	3	4·4
16	3	6	3	1	5	3	4	4	10	7	5	9	9	8	3	5	3	10	7	3	2	3	5	5	3	6	4	0	1	6	2	4·7
17	1	9	2	1	3	4	3	4	6	8	3	7	8	9	3	5	6	10	9	3	2	6	4	4	2	5	5	1	5	5	1	4·7
18	1	10	0	0	0	3	0	4	6	9	4	6	8	7	3	4	1	9	5	2	1	8	6	5	1	4	6	2	7	6	7	4·4
19	1	10	0	0	0	2	0	1	5	8	6	6	7	5	3	5	2	9	1	2	0	5	7	4	1	1	6	1	7	5	6	3·7
20	0	10	0	0	0	2	0	1	3	7	6	5	9	2	3	3	8	9	0	2	6	5	8	4	1	0	6	0	4	6	8	3·8
21	0	10	0	1	0	3	0	2	2	8	4	4	8	0	3	5	10	9	0	2	0	6	9	5	1	1	7	0	3	5	1	3·5
22	2	10	2	2	0	0	1	2	2	8	2	8	8	0	1	1	10	8	0	2	0	2	7	2	1	2	6	0	4	7	1	3·3
23	2	10	1	2	1	1	1	1	3	9	2	9	8	0	2	0	10	9	1	1	4	5	6	3	1	8	7	0	4	9	2	3·9

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Total.
	OCTOBER 1915.																															
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	47	30	3	40	58	45	32	45	55	50	15	13	47	60	50	37	0	4	0	55	60	0	45	47	52	46	3	50	52	45	27	18·6
8	3	60	16	50	60	60	60	43	59	60	45	60	59	60	60	26	6	28	7	60	60	1	60	60	60	60	45	60	58	36	35	23·6
9	0	57	60	55	60	60	60	60	20	60	52	24	60	60	60	60	59	30	16	60	60	26	60	60	60	20	57	60	47	16	57	24·9
10	0	54	52	59	60	60	60	59	0	60	60	54	60	60	60	60	60	58	20	60	60	13	60	60	60	57	58	60	60	60	60	27·1
11	10	60	58	60	60	60	60	60	12	58	46	58	49	60	60	60	30	59	30	60	60	59	60	60	60	60	59	60	60	57	60	27·8
Noon	10	52	25	59	60	60	60	60	0	50	59	45	53	60	60	60	60	32	55	60	60	60	60	60	60	60	60	60	60	60	60	27·3
13h	60	40	60	60	60	60	60	58	0	60	59	60	40	47	60	60	60	55	37	60	60	60	60	60	60	60	60	60	60	60	60	28·6
14	58	35	59	56	20	60	60	60	20	60	60	25	57	32	60	60	60	48	54	60	60	60	60	60	60	60	60	60	60	60	60	27·7
15	47	38	60	60	60	60	60	50	50	60	60	0	59	25	60	60	60	40	59	60	60	60	60	60	60	60	60	60	60	60	60	28·1
16	60	55	60	60	60	60	55	60	27	60	60	8	35	40	45	59	58	18	55	60	60	58	60	60	60	60	60	60	60	60	60	27·6
17	60	23	60	60	60	60	27	59	24	30	60	1	17	0	17	59	33	1	25	3	60	60	60	60	60	50	60	60	60	60	60	22·1
18	33	0	45	45	35	40	38	43	6	40	45	10	0	0	0	43	30	0	1	2	44	25	42	37	35	22	33	34	33	40	48	14·2
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 297·6 hours; the corresponding period during which the sun was above the horizon was 387·2 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

OCTOBER 1915.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	5·6	7·6	5·0	3·5	4·0	4·4	8·4	6·9	7·5	13·3	8·4	4·4	6·3	5·7	5·4	7·3	Midnight
1h	3·4	5·9	5·7	4·2	2·8	6·1	6·1	6·9	7·1	9·6	4·4	4·6	4·2	7·3	5·4	8·0	1h
2	3·9	6·5	3·9	4·6	4·6	6·9	5·9	9·8	8·6	11·0	4·0	5·4	4·0	6·3	3·7	11·4	2
3	6·9	9·6	3·9	5·6	4·6	5·6	6·7	6·7	7·8	12·1	5·6	5·4	8·0	4·6	3·7	8·0	3
4	4·4	11·4	5·7	3·4	4·0	5·0	5·4	6·7	5·4	12·3	3·5	4·2	8·8	4·4	1·9	11·7	4
5	5·2	9·4	4·4	3·5	4·4	6·5	8·2	6·5	4·8	13·9	2·8	3·7	10·0	6·5	2·8	10·8	5
6	3·1	8·8	6·1	5·6	8·0	6·9	8·2	5·0	3·3	13·7	6·5	4·2	11·0	5·7	3·0	11·2	6
7	5·6	10·6	4·6	5·2	5·4	7·6	10·2	6·1	4·6	12·9	5·7	5·4	15·7	6·5	4·4	13·5	7
8	4·2	9·4	9·8	8·2	7·3	10·2	15·9	7·8	11·4	16·7	9·0	9·6	17·3	10·6	12·3	14·9	8
9	3·2	18·1	11·4	14·1	9·2	12·9	17·3	12·3	11·4	15·7	13·9	6·9	14·5	8·8	11·5	19·3	9
10	13·9	17·7	11·7	12·5	11·4	13·1	17·1	14·3	14·7	15·5	16·1	11·0	16·5	10·0	13·9	17·7	10
11	16·5	18·1	11·5	13·1	12·1	13·7	15·5	15·1	15·3	14·1	15·5	11·4	16·1	9·4	10·8	20·1	11
Noon	20·1	16·1	10·4	13·7	13·1	13·9	12·9	16·9	12·3	14·1	14·7	13·1	15·9	10·6	13·5	24·1	Noon
13h	21·5	15·5	10·0	12·3	12·9	13·5	11·9	18·3	15·7	14·3	13·9	14·5	16·5	9·8	12·9	17·3	13h
14	21·3	14·7	11·2	13·9	12·5	12·5	13·9	18·3	16·1	17·9	14·3	10·6	15·7	6·1	8·0	17·1	14
15	23·9	13·5	11·5	14·1	12·9	12·5	13·9	17·9	22·3	18·9	15·3	4·8	12·1	6·1	9·6	18·9	15
16	24·1	12·5	9·8	11·2	11·5	10·8	13·9	18·1	20·9	17·3	14·3	4·2	12·9	7·6	11·7	19·1	16
17	20·3	10·4	10·2	9·2	9·6	10·2	12·7	16·3	19·9	14·9	12·7	4·6	11·4	5·4	10·6	20·7	17
18	13·9	8·4	7·3	6·3	6·5	8·6	9·8	14·1	15·1	13·1	11·2	10·0	10·2	4·4	5·2	17·5	18
19	16·3	8·0	3·9	4·4	3·1	5·9	6·1	10·0	15·1	9·4	6·3	9·6	8·0	5·7	4·2	15·1	19
20	16·1	8·8	3·9	3·5	3·4	5·0	9·4	10·2	14·7	7·3	3·0	5·6	6·9	5·0	5·4	11·7	20
21	16·7	7·5	3·3	5·2	5·4	5·6	10·6	10·4	15·7	4·6	3·5	4·6	6·9	6·3	6·3	8·4	21
22	12·7	7·5	4·0	7·1	4·4	5·2	9·4	9·0	12·1	4·2	6·3	6·9	7·1	6·7	8·2	7·5	22
23	10·0	5·4	3·5	6·3	4·2	6·5	9·8	8·0	8·8	6·3	4·4	7·1	6·1	5·9	6·3	7·3	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	11·2	10·6	8·8	4·6	4·6	4·4	4·4	5·7	7·1	7·3	1·6	7·3	3·5	4·4	4·2	6·2	Midnight
1h	10·2	10·8	7·6	3·7	7·1	4·4	5·4	4·4	7·8	9·4	5·6	6·1	4·2	5·2	4·8	6·1	1h
2	10·2	10·2	5·2	7·4	5·6	3·5	4·8	7·1	8·6	8·0	3·3	7·1	3·7	7·1	6·3	6·3	2
3	10·8	12·7	4·4	3·9	6·9	4·2	5·9	6·9	8·2	7·6	4·0	7·6	3·5	9·4	4·4	6·6	3
4	13·5	10·6	3·5	4·8	6·7	5·7	5·6	5·0	8·6	6·9	4·8	6·9	5·4	9·4	7·3	6·6	4
5	11·2	12·1	3·7	4·6	7·3	4·0	5·2	5·4	8·2	6·3	5·7	6·5	5·4	9·8	5·2	6·6	5
6	11·7	12·1	5·6	4·4	6·3	4·4	6·9	7·3	10·2	8·2	6·9	7·3	8·4	8·8	5·4	7·2	6
7	15·5	13·9	6·3	6·5	8·4	9·8	10·6	6·5	12·9	12·9	8·2	12·3	14·1	9·0	4·8	8·9	7
8	21·1	16·9	9·8	11·0	10·6	10·8	16·1	16·9	18·1	17·3	17·1	16·9	12·5	12·9	8·8	12·3	8
9	25·1	17·3	10·6	13·1	11·5	16·1	17·3	18·1	18·9	20·1	16·3	17·3	15·7	14·1	10·2	14·3	9
10	22·3	16·5	11·4	13·9	11·2	18·1	16·9	17·9	19·1	21·9	19·9	16·1	22·3	13·1	10·2	15·4	10
11	18·9	17·1	13·3	11·4	10·2	16·1	17·1	19·3	20·3	22·7	19·1	14·3	14·3	15·5	11·4	15·1	11
Noon	18·3	16·3	15·1	11·7	11·0	15·9	13·7	19·9	21·9	21·9	17·7	14·1	15·1	13·3	12·9	15·3	Noon
13h	17·9	16·9	23·5	11·7	16·3	14·9	15·1	17·7	21·1	21·9	16·9	14·3	9·6	13·3	12·9	15·3	13h
14	15·3	17·7	20·7	12·3	18·7	15·5	17·3	17·1	19·9	16·1	17·7	10·8	15·1	13·5	9·8	15·5	14
15	17·1	15·1	17·5	13·7	18·5	15·3	15·3	17·7	18·9	18·1	14·3	10·2	11·2	12·7	10·2	14·6	15
16	15·9	11·7	16·1	11·9	19·1	15·9	16·5	14·7	17·7	16·7	15·9	10·4	14·1	11·2	9·8	14·1	16
17	15·1	11·9	15·5	10·8	17·1	14·9	16·7	15·5	18·9	14·3	15·3	11·0	11·2	10·2	6·7	13·0	17
18	13·1	12·3	12·7	11·7	12·3	10·6	13·5	13·3	13·7	11·5	11·9	9·4	10·6	8·6	6·3	10·4	18
19	10·0	10·6	6·7	9·0	8·6	10·0	12·7	9·6	11·7	7·1	9·2	7·1	6·9	6·1	3·4	8·4	19
20	9·4	9·4	6·3	8·4	8·2	6·3	10·4	6·5	8·4	3·5	8·0	6·7	5·2	6·1	1·8	7·2	20
21	9·4	8·2	8·2	8·0	6·5	6·5	9·2	5·9	8·8	4·0	6·5	6·9	5·7	4·2	4·4	7·2	21
22	10·0	9·4	6·9	6·7	6·5	6·5	9·0	7·6	8·2	2·6	10·2	5·4	6·3	4·8	4·6	7·2	22
23	9·2	8·0	4·0	3·3	6·3	6·9	6·9	6·7	8·2	3·4	7·3	4·4	6·5	4·2	4·4	6·3	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile.*)

OCTOBER 1915.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	95	103	95	105	102	105	99	103	98	103	101	104	97	108	96	106	Midnight
1h	98	102	96	104	101	106	98	104	99	102	96	104	98	106	97	106	1h
2	97	103	95	104	100	104	98	104	98	104	95	105	98	105	100	110	2
3	95	105	92	105	101	104	98	105	98	104	96	104	97	106	100	107	3
4	96	101	90	106	97	105	98	103	98	104	96	103	98	105	97	106	4
5	95	102	93	107	98	104	99	103	98	104	98	106	97	108	97	106	5
6	97	99	94	106	98	106	96	104	98	108	97	106	100	108	98	105	6
7	95	98	94	109	97	104	99	105	100	105	98	107	100	110	94	102	7
8	96	98	95	108	100	110	106	106	103	107	100	110	106	115	102	108	8
9	97	99	90	115	109	106	112	108	108	105	100	113	100	117	91	109	9
10	86	100	90	115	105	111	112	102	108	108	105	112	107	116	90	110	10
11	84	100	93	117	108	108	113	100	112	100	110	110	100	116	92	113	11
Noon	81	108	97	116	109	106	113	103	112	105	103	114	105	112	97	117	Noon
13h	80	108	97	115	104	109	112	100	112	105	105	112	100	112	96	118	13h
14	85	115	97	114	111	102	111	92	112	105	100	112	90	110	93	117	14
15	78	109	97	113	111	100	112	92	112	105	102	112	95	113	93	116	15
16	78	109	102	112	106	108	109	94	111	104	102	111	95	113	93	117	16
17	83	111	96	110	106	108	109	102	107	107	106	108	91	109	100	116	17
18	87	105	102	108	103	107	104	104	106	102	103	108	96	109	95	113	18
19	88	111	103	107	101	104	102	104	103	102	101	106	99	106	98	110	19
20	89	111	100	109	98	104	99	103	101	103	97	104	96	109	98	110	20
21	86	109	97	107	98	103	98	105	96	104	97	105	96	110	98	110	21
22	91	109	100	107	98	103	97	107	98	104	98	105	96	109	97	108	22
23	92	106	100	105	98	103	97	105	98	104	98	106	98	110	97	107	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	97	107	91	109	93	105	97	103	98	106	96	104	96	104	95	105	Midnight
1h	97	107	93	107	97	103	97	103	101	104	96	106	96	104	94	106	1h
2	100	109	92	108	97	102	96	104	100	104	97	105	97	102	92	108	2
3	100	108	90	107	96	104	96	104	100	108	97	104	97	102	94	106	3
4	99	105	91	109	98	103	97	103	98	109	98	104	98	101	92	108	4
5	98	104	90	110	98	102	98	103	98	110	96	105	98	102	92	108	5
6	99	103	89	108	94	103	97	103	98	111	98	105	97	102	92	108	6
7	98	104	91	109	96	104	96	104	97	115	96	105	97	103	93	111	7
8	100	111	88	112	97	108	96	109	93	116	98	110	95	111	94	114	8
9	94	109	97	115	90	110	100	107	97	114	100	109	96	111	89	116	9
10	94	114	87	109	100	116	98	111	97	116	102	110	92	111	93	116	10
11	94	114	90	110	103	115	104	111	94	115	102	109	96	110	92	119	11
Noon	95	111	88	108	100	115	102	113	100	116	102	110	95	112	87	120	Noon
13h	94	115	90	110	90	110	110	110	106	115	102	110	95	112	88	112	13h
14	106	115	87	113	90	110	100	111	100	116	100	106	97	107	88	112	14
15	88	118	87	113	89	111	96	97	102	112	99	106	96	91	84	110	15
16	85	115	88	112	90	110	97	97	102	113	100	108	96	111	89	116	16
17	86	114	92	112	95	112	98	104	98	111	98	95	92	108	88	117	17
18	89	111	91	109	92	108	98	110	97	110	99	96	96	103	93	116	18
19	92	113	93	107	96	104	98	109	97	107	96	104	97	103	94	114	19
20	90	110	94	104	97	101	98	105	97	106	96	103	97	104	96	111	20
21	89	111	97	103	98	102	97	103	97	106	97	105	95	105	94	106	21
22	91	109	96	101	96	104	96	106	96	106	95	105	96	107	96	106	22
23	95	107	96	104	97	103	99	107	97	105	95	103	96	104	97	107	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

OCTOBER 1915.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	94	109	96	110	100	109	97	103	96	102	98	104	98	104	99	106	Midnight
1h	94	108	92	108	99	107	97	103	94	104	98	104	98	105	98	104	1h
2	94	109	96	109	100	105	97	103	97	105	98	103	98	104	99	107	2
3	92	108	93	111	101	104	97	103	95	105	98	103	98	105	99	107	3
4	90	109	96	110	100	103	97	104	95	105	98	105	98	105	98	105	4
5	92	108	98	112	101	104	97	104	95	105	102	103	98	105	98	105	5
6	92	108	100	112	97	105	98	104	95	103	98	104	97	106	97	107	6
7	89	111	97	114	100	106	96	105	92	103	98	110	98	110	96	105	7
8	96	121	100	117	102	110	96	110	91	106	96	110	100	116	94	116	8
9	86	121	100	117	98	110	93	111	91	106	100	116	100	117	90	115	9
10	100	122	100	117	100	111	105	113	92	108	103	118	100	117	100	118	10
11	96	119	100	117	105	112	100	111	93	107	100	116	103	117	86	114	11
Noon	96	118	106	116	103	115	98	111	92	108	100	116	100	114	92	118	Noon
13h	97	118	100	116	109	122	98	112	91	114	94	114	106	114	100	118	13h
14	97	115	103	118	100	121	105	111	96	118	100	116	100	117	88	112	14
15	100	117	102	115	100	118	97	113	87	113	100	115	100	115	100	118	15
16	100	116	95	111	103	116	97	112	86	113	91	113	100	116	100	115	16
17	94	114	98	111	100	115	96	110	97	117	97	115	97	116	97	115	17
18	97	113	96	112	100	113	95	111	93	110	96	110	97	113	95	112	18
19	96	109	100	110	100	107	95	107	95	107	94	108	98	113	98	109	19
20	98	109	97	109	100	106	94	106	96	107	97	105	98	110	97	106	20
21	96	109	96	108	100	108	97	107	96	105	97	106	98	109	98	105	21
22	94	108	100	109	96	106	96	106	96	105	98	106	99	109	97	107	22
23	98	109		108	97	103	98	103	96	104	97	106		107	96	106	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	97	107	97	107	100	101	95	105	97	102	99	104	100	104	97·0	105·0	Midnight
1h	96	106	96	109	95	103	97	105	96	102	98	105	97	104	96·8	104·9	1h
2	95	107	97	107	98	102	96	106	97	102	99	107	98	106	97·1	105·3	2
3	97	108	96	106	98	103	97	107	98	103	98	109	97	103	96·8	105·4	3
4	94	106	96	106	96	102	95	105	96	104	98	109	97	107	96·4	105·1	4
5	95	107	96	105	98	105	96	105	96	104	100	110	99	105	97·0	105·5	5
6	94	109	97	108	96	106	96	106	95	107	98	109	98	105	96·4	105·9	6
7	95	112	95	112	94	106	95	111	94	113	100	109	98	104	96·2	107·4	7
8	87	113	97	117	93	116	97	117	100	112	102	113	106	106	97·6	111·3	8
9	90	116	92	119	97	116	100	117	100	116	103	114	104	109	97·2	112·4	9
10	96	119	85	115	89	116	103	116	109	121	98	113	109	104	98·6	113·0	10
11	86	114	91	121	89	116	103	114	103	114	100	116	104	111	98·3	112·4	11
Noon	92	120	88	118	90	115	103	114	108	113	105	112	112	105	98·9	112·8	Noon
13h	96	121	84	116	91	114	100	114	102	109	105	112	113	103	99·2	112·5	13h
14	100	120	100	116	90	115	100	111	103	115	103	113	100	110	98·4	112·4	14
15	96	118	93	117	92	112	100	110	108	108	105	112	109	104	97·8	110·5	15
16	90	115	88	112	94	115	100	110	110	110	104	110	109	104	97·3	110·9	16
17	89	116	90	110	92	113	100	111	100	111	100	110	107	99	96·9	110·6	17
18	92	111	98	111	93	110	98	109	100	111	100	109	102	94	97·0	108·7	18
19	94	110	96	106	95	108	96	106	97	106	100	106	99	97	97·0	107·1	19
20	95	107	98	103	96	107	95	105	97	104	100	106	100	98	96·9	106·0	20
21	95	107	97	103	96	105	93	100	96	104	100	104	98	104	96·3	105·8	21
22	96	107	99	102	96	109	97	104	98	106	100	105	97	103	96·5	106·0	22
23	95	107	98	103	96	106	96	102	99	106	100	104	97	103	97·1	105·3	23

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of OCTOBER 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour, Mauritius Standard Time.	3d.	4d.	5d.	6d.	12d.	13d.	14d.	15d.	28d.	29d.	30d.	31d.	Hour, Mauritius Standard Time.
	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	
Midnight	10	6	5	9	4	6	4	4	4	3	7	8	Midnight
1h	9	6	6	4	4	9	5	4	5	3	6	5	1h
2	8	6	6	4	4	8	5	3	5	3	7	6	2
3	10	6	6	4	4	8	5	3	6	4	7	4	3
4	5	5	6	4	4	7	5	3	4	4	7	6	4
5	5	6	6	6	5	7	5	3	5	4	8	7	5
6	6	4	7	6	4	7	6	3	5	5	7	6	6
7	5	7	8	7	4	7	5	4	6	6	8	6	7
8	8	12	10	8	6	6	7	6	7	8	9	12	8
9	13	13	13	8	8	7	8	6	8	8	9	10	9
10	10	15	12	10	7	7	9	5	9	10	7	14	10
11	12	16	16	12	10	6	9	6	9	9	8	10	11
Noon	13	15	14	9	9	8	9	6	9	11	10	14	Noon
13h	10	16	14	10	12	10	9	6	8	9	10	15	13h
14	15	19	14	8	8*	8	8	6	8	9	9	8	14
15	16	19	14	9	29	9	7	26**	8	12	10	14	15
16	11	19	14	9	28	9	8	6*	8	12	10	14	16
17	11	15	12	11	6*	9	26**	4	8	8	8	17	17
18	10	12	14	10	7	7	25	3	7	8	8	22	18
19	9	10	14	9	7	6	4*	4	5	6	8	25	19
20	6	6	10	5	6	6	3	5	4	5	8	25	20
21	5	6	4	5	4	6	5	5	0	4	8	5	21
22	5	6	5	6	5	5	4	5	5	6	8	4	22
23	5	5	5	6	7	5	3	4	2	7	8	4	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of Three HOURS between 0h. and 21h. during the MONTH of OCTOBER 1915.

Day of the Month.	9ins.								6ins.								3ins.							
	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1d	78·8	78·2	77·4	76·4	75·7	75·5	76·4	77·2	78·7	77·2	75·7	74·3	74·0	75·4	77·6	77·6	78·4	74·2	71·4	71·4	74·0	80·5	81·4	77·4
2	77·1	76·2	75·2	74·1	73·8	74·5	75·7	76·6	75·9	74·2	72·7	71·6	72·4	74·8	76·9	77·0	72·8	69·4	67·3	68·2	76·2	80·3	81·1	77·9
3	76·9	76·5	76·1	75·5	75·2	76·1	77·5	78·6	75·8	75·3	73·4	74·4	73·7	77·5	79·9	79·8	74·4	73·4	71·9	71·9	78·4	86·5	85·4	81·3
4	78·9	77·9	76·9	76·1	76·0	76·8	78·5	79·6	78·1	76·6	75·0	74·3	75·8	78·6	81·1	80·9	76·4	73·7	71·3	72·0	82·2	88·3	87·0	82·9
5	80·0	79·1	78·2	77·6	77·6	78·1	79·7	80·8	79·9	78·2	76·9	76·6	78·2	80·0	82·3	82·0	79·2	76·2	73·8	75·7	83·2	87·5	88·4	83·5
6	80·6	80·0	79·2	78·1	77·8	78·7	80·4	81·2	79·1	79·0	77·7	77·1	77·2	81·1	83·2	82·8	78·4	76·4	74·3	78·2	81·5	86·3	88·9	85·1
7	81·3	80·6	79·7	79·0	78·6	79·1	80·8	81·7	81·0	79·5	78·5	77·2	78·0	80·5	83·6	82·8	79·2	77·2	75·4	76·3	82·7	89·8	88·1	84·1
8	81·6	80·7	80·0	78·9	78·5	79·0	80·2	81·1	81·1	79·7	78·4	77·2	77·7	80·4	82·1	82·1	79·6	77·2	75·2	75·5	82·4	88·0	86·8	82·9
9	81·0	80·3	79·4	78·7	78·1	78·1	78·3	78·5	80·0	79·1	77·8	76·9	76·8	77·8	78·4	78·1	78·4	76·5	74·4	75·1	77·5	80·1	79·8	76·8
10	78·1	77·5	76·7	76·0	75·7	76·6	77·3	79·6	76·7	75·9	74·7	73·9	74·7	77·9	80·8	80·6	74·0	72·4	70·7	71·5	79·3	87·5	86·7	82·1
11	80·1	79·0	78·6	77·8	77·5	77·8	79·6	80·6	79·1	78·2	77·0	76·0	76·6	79·1	81·9	81·4	77·5	76·2	74·2	74·5	80·6	87·8	87·1	82·2
12	80·2	79·5	78·6	77·6	76·9	77·6	79·9	79·1	79·7	78·0	76·3	75·6	75·6	78·7	79·7	79·4	77·3	74·2	71·9	72·7	79·7	84·6	82·5	79·5
13	79·3	78·4	78·1	77·3	77·0	77·8	79·1	80·1	78·1	77·1	75·4	75·6	76·4	79·1	81·0	80·7	76·4	75·1	73·7	74·1	80·8	87·1	85·8	81·5
14	80·1	79·5	78·8	78·0	77·8	78·7	80·1	80·9	79·7	78·2	77·1	76·1	77·3	80·6	81·9	81·5	78·3	75·8	74·0	75·2	82·8	87·3	85·9	82·2
15	80·6	79·8	79·1	78·1	77·6	78·5	80·4	81·3	80·1	78·3	76·9	75·7	76·9	80·6	82·9	82·5	79·1	74·5	72·5	73·7	83·5	90·9	88·0	84·5
16	81·3	80·6	79·8	79·1	78·9	79·8	81·2	82·1	81·1	79·4	78·1	77·5	78·8	81·6	83·7	83·3	79·8	74·4	75·3	75·2	85·1	91·2	88·8	84·6
17	82·2	81·4	80·6	79·7	79·4	80·2	81·7	82·7	81·5	80·1	79·1	78·0	78·5	82·4	84·5	83·8	80·6	77·7	76·5	77·0	81·4	91·7	89·5	85·2
18	82·9	82·1	81·5	81·1	80·8	81·5	82·4	83·1	82·9	81·7	80·7	80·1	80·8	83·6	84·3	83·7	82·7	80·8	79·3	79·8	84·9	89·8	87·8	84·4
19	82·6	82·1	81·4	81·0	80·7	80·8	81·7	82·4	79·1	81·4	80·8	80·1	80·2	82·1	83·5	83·1	81·1	79·6	79·2	79·6	82·5	88·8	87·5	83·6
20	82·1	81·5	80·8	79·8	79·4	80·7	82·6	83·4	81·6	80·2	78·9	77·7	78·8	83·2	85·3	84·9	79·8	77·0	74·9	76·2	85·1	93·4	90·1	86·6
21	83·4	82·6	81·4	80·6	80·3	81·5	83·4	84·2	83·1	81·4	79·6	78·7	80·4	83·5	86·1	85·7	82·1	78·7	75·9	77·6	88·3	93·3	91·2	87·7
22	84·0	83·7	82·8	82·0	81·4	81·8	82·7	83·6	83·7	82·8	81·7	80·6	80·9	82·8	84·8	84·6	82·7	81·4	79·2	78·2	84·9	90·0	90·0	86·0
23	83·7	82·9	82·0	81·5	81·0	81·6	83·1	84·1	82·9	81·7	80·5	79·8	80·3	83·1	84·3	84·7	81·6	79·4	77·1	78·2	85·1	91·5	90·6	85·4
24	84·1	83·1	82·4	81·3	80·9	81·7	83·2	84·3	83·3	81·8	80·6	79·4	79·7	83·6	85·6	85·1	82·0	79·0	76·9	77·8	82·5	92·2	90·9	86·2
25	84·0	83·2	82·5	81·7	81·3	81·8	83·4	84·3	83·4	82·0	80·8	79·8	80·2	83·5	85·6	85·3	81·6	79·2	77·5	78·2	84·2	92·4	90·9	86·4
26	84·1	83·5	82·8	81·8	81·4	82·2	83·9	84·5	83·5	82·2	81·2	80·6	80·8	83·6	85·9	85·6	81·3	79·6	78·3	79·2	85·3	92·7	90·5	87·5
27	84·5	83·7	82·7	82·2	81·8	82·8	84·3	85·2	83·9	82·5	81·2	80·7	81·5	85·1	86·6	86·1	82·7	80·4	79·1	80·0	86·3	94·5	92·3	87·7
28	85·1	84·2	83·8	83·1	83·1	83·3	84·9	86·0	84·3	83·6	82·6	81·8	84·0	84·7	87·4	86·9	84·2	81·9	80·5	81·1	86·8	93·6	93·4	88·0
29	85·9	84·9	84·0	82·9	82·4	82·8	84·1	85·1	85·9	83·6	82·1	80·8	81·0	83·9	86·2	86·2	84·0	80·5	78·2	78·7	83·2	91·6	91·1	88·0
30	85·2	84·4	83·5	82·6	82·3	83·1	84·4	85·3	84·6	83·1	81·7	80·8	81·4	84·7	86·4	85·9	82·7	80·2	78·0	79·1	85·6	93·3	91·5	87·5
31	85·1	84·5	83·7	82·8	82·3	83·0	84·9	85·9	83·9	83·2	82·0	80·9	81·5	84·5	87·5	87·5	82·4	80·7	78·6	78·6	85·8	94·3	94·1	90·2
Mean	81·81	81·08	80·28	79·47	79·10	79·75	81·18	82·07	81·08	79·86	78·57	77·75	78·41	81·25	83·28	82·97	79·69	77·19	75·37	76·16	82·64	89·25	88·16	84·16

* Direct. ** Retrograde.

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of OCTOBER 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.			River System No. 4.			River System No. 5.			
	Grand Gaube. §	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte. *	Riche Fund.	Constance d'Arifat. §	St. Julien. P.O.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
Oct. 1d		...	...	...	...	...	0·16		...	...	...	...	...	...	...	...
2		...	...	...	...	...	...		0·06	...	...	...	...	...	...	..
3		...	...	...	...	...	...		...	...	...	...	...	...	...	...
4		...	...	...	...	...	...		...	...	...	...	...	...	...	...
5		...	...	...	...	...	...		...	...	...	...	...	...	...	...
6		...	...	...	...	...	...		...	...	...	...	...	...	...	...
7		...	...	...	...	...	...		...	...	...	...	...	...	...	...
8		...	...	...	...	...	...		...	...	...	...	...	...	...	...
9		0·21	0·17	...	...	...	0·32		...	1·20	...	...	0·90	0·37	...	0·12
10		...	...	0·46	0·11	0·43	...		0·48	..	0·49	0·18	...	...	0·30	...
11		...	...	...	...	...	...		...	...	...	...	...	...	...	...
12		...	0·09	...	...	...	...		...	...	...	...	...	...	0·10	...
13		0·03	...	...	0·04	...	...		0·04	...	...	...	0·28	...	...	...
14		...	...	...	...	...	...		...	...	...	...	...	...	...	...
15		...	...	...	...	...	...		...	...	...	...	...	...	...	...
16		...	...	...	...	...	...		...	...	...	...	...	...	...	...
17		...	...	...	...	...	...		...	0·25	...	...	...	...	...	...
18		...	0·05	...	...	...	...		0·01	1·33	...	...	0·07	...	...	...
19		0·03	...	0·16	0·14	0·87	1·08		1·17	...	0·05	0·34	0·97	0·90	0·88	...
20		...	...	0·04	0·02	0·08	0·08		0·04	...	...	...	...	...	...	...
21		...	...	...	...	...	...		...	...	...	...	...	...	...	...
22		...	...	...	...	...	...		0·05	...	...	...	...	...	...	...
23		...	...	...	...	...	...		...	...	...	0·04	...	...	...	...
24		...	...	...	...	...	...		...	...	...	...	...	...	...	...
25		...	...	...	...	...	...		...	...	...	...	...	...	...	...
26		...	...	...	...	...	...		...	...	...	...	...	...	...	...
27		...	...	...	...	...	...		...	...	...	...	...	...	...	...
28		...	...	...	...	...	...		...	...	...	...	...	...	...	...
29		...	...	...	...	...	...		...	...	...	...	...	...	...	...
30		...	...	...	...	...	...		...	...	...	...	...	...	...	...
31		...	...	...	...	...	...		...	...	...	...	...	...	...	...
Total ...	...	0·27	0·31	0·66	0·31	1·38	1·64	...	1·85	2·78	0·54	0·56	2·22	1·27	1·28	0·12

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Daily fall not received.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of OCTOBER 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia, No. 1.	La Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion.	Mare aux Vacoas.	Saleney.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
Oct. 1d	0·10	0·10	..	0·15	0·08	...	...		...	...	0·04	...	0·02	...	0·04	...
2	...	...	0·40	...	0·11	...	0·27		...	...	0·29	...	...	...	0·02	0·02
3	...	...	...	...	...	...	...		...	...	...	...	...	...	0·02	...
4	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...		...	...	...	...	0·01	...	...	...
7	...	...	...	...	...	...	...		...	...	0·01	...	0·01	...	...	...
8	...	...	...	...	...	...	...		...	...	0·01	...	0·01	...	...	...
9	...	0·20	...	...	...	0·05	...		...	...	...	...	0·01	0·84	...	...
10	0·11	0·92	0·33	0·34	0·45	...	0·39		...	0·25	0·86	...	...	...	0·02	...
11	...	...	...	...	...	0·22	...		...	...	...	...	0·03	...	...	...
12	...	...	0·03	...	...	...	...		...	...	0·03	...	...	0·05	...	...
13	0·10	0·27	0·20	...	0·03	...	...		...	0·04	0·23	...	...	...	0·18	...
14	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...		...	...	0·03	...	0·01	...	...	...
17	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
18	...	0·04	...	...	...	...	...		...	...	0·04	...	...	1·10	...	...
19	0·10	0·25	0·65	0·13	0·23	...	0·07		...	0·18	0·20	0·12	0·23	0·16	0·36	0·02
20	...	...	0·04	...	...	...	0·12		...	...	...	0·09	0·03	...	...	0·13
21	...	...	...	...	...	...	...		...	...	...	...	0·01	...	..	...
22	...	...	...	...	...	...	...		...	...	...	...	0·01	0·06	...	...
23	...	...	...	...	...	...	...		...	...	...	...	0·02	...	...	...
24	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...		...	...	...	...	0·01	...	...	...
26	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...		...	...	...	...	0·01	...	...	...
30	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
Total ...	0·41	1·78	1·65	0·62	0·90	0·27	0·85	...	0·00	0·47	1·74	0·21	0·42	2·21	0·64	0·17

* Residence. § Record not received.

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
OCTOBER 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending \ Day.	9d.	13d.	18d.	19d.
	ins.	ins.	ins.	ins.
1h	...	·020	...	...
2	...	...	...	...
3	...	...	...	...
4	...	...	...	·005
5	...	·005	...	·015
6	...	...	...	·025
7	...	...	...	...
8	...	...	...	...
9	...	...	...	...
10	·015	...	...	...
11	·040	...	...	...
Noon	...	...	...	...
13h	·020	...	...	...
14	·005	...	...	...
15	...	...	...	...
16	...	...	...	...
17	...	...	...	...
18	...	...	·020	...
19	...	...	...	...
20	...	...	...	...
21	...	...	...	...
22	...	...	...	...
23	...	...	...	...
Midnight	...	...	...	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1d.	9d.	10d.	12d.	13d.	18d.	21d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	...	...	...	...
2	·01	...	...	...	·02	...	...
3	·01	...	...	...	...	...	...
4	...	...	...	...	...	·01	...
5	...	...	...	...	...	...	...
6	...	...	...	·01	...	·01	...
7	...	...	...	...	...	...	·02
8	...	·06	...	...	...	...	...
9	...	·01	·01	...	...	...	...
10	...	·02	...	...	...	...	...
11	...	·04	...	...	...	...	...
Noon	·04	·06	...	...	...	...	...
13h	...	...	...	...	...	...	...
14	·01	..	...	...	...	...	...
15	...	·02	...	...	...	...	...
16	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...
18	...	...	...	...	...	...	.
19	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...
21	...	...	...	...	...	·01	...
22	...	...	...	·04	...	·01	...
23	...	...	...	...	...	...	...
Midnight	...	...	...	...	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of OCTOBER, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	0·30	...	2
	2	Union §	200	0·20	...	1
	3	St. Antoine ...	50	0·27	1·31	3
	4	Bel Mont	50	0·35	1·34	3
	5	Poudre d'Or ...	20	0·39	1·57	2
	6	Poudre d'Or Hospital	10	0·00	1·71	...
	7	Mon Loisir (R) § ...	300	0·22	1·26	1
	8	Mon Loisir (S.E.) ...	300	0·56	2·03	2
	9	Forbach	300	0·33	1·56	2
	10	Labourdonnais ...	290	0·30	0·54	3
	11	Beau Séjour ...	300	0·66	2·48	3
	12	Mont Piton ...	860	0·74	2·61	3
	13	Mon Choix... ...	700	0·60	2·25	2
	14	Antoinette	640	0·50	2·05	3
	15	California	850	0·30	2·43	1
	16	Nouvelle Découverte	1,400	1·38	2·81	3
	17	Mon Songe... ...	620	0·94	2·58	3
	18	La Grande Rosalie ...	643	0·45	2·45	3
	19	The Mount ...	325	0·20	1·64	1
	20	Botanic Gardens ...	225	0·31	2·03	4
	21	Beau Plan ...	195	0·13	1·42	2
	22	The Observatory ...	179	0·17	1·28	4
	23	Solitude *	175	0·00	...	...
	24	St. André * ...	90	0·20	...	1
	25	Belle Vue Harel ...	350	0·45	0·78	3
	26	Mont Choisy ...	10	0·00	1·04	...
	27	Belle Vue Pilot* ...	...	0·33	...	3
	28	Petite Rosalie * ...	...	0·69	...	3
2&3	1	Union (Régnard) ...	600	0·62	2·16	2
	2	La Grande Retraite*	350	0·95	2·04	2
	3	Constance d'Arifat...	100	...	...	...
	4	St. Julien P.O. * ...	1,050	1·85	...	7
	5	Rich Fund* ...	600	1·64	...	4
	6	Constance (Manès)*	...	1·02	...	2
	7	Queen Victoria * ...	...	1·34	...	4
	8	Belle Mare ...	...	0·76	...	3
	9	Constance La Gaieté	...	0·88	...	2
4	1	Sans Souci	900	2·78	5·28	3
	2	Etoile	400	0·54	3·82	2
	3	Beau Champ ...	20	0·56	1·65	3
	4	Belle Rive * ..	400	1·48	...	6
	5	Olivia *	400	1·05	2·77	6
	6	Deep River* ...	350	0·76	...	1
5	1	Rose Belle* ...	850	2·22	...	4
	2	Cent Gaulettes ...	500	1·20	5·44	5
	3	St. Hubert § ...	400	...	...	...
	4	Riche-en-Eau ...	460	1·27	3·31	2
	5	Ferney	20	1·28	3·23	3
	6	Beau Vallon (R) ...	60	0·12	1·99	1
	7	Union Vale... ...	200	0·47	2·19	2
5 (cont.)	8	Mon Désert(Carié)...	75	0·24	1·87	3
	9	Riche Bois * ...	1,420	0·95	...	...
	10	Cluny	1,000	0·00	5·36	...
	11	Virginia Estate ...	...	0·15	...	2
6	1	Kanaka	2,000	2·38	4·75	6
	2	Tivoli ...	1,300	1·82	4·84	6
	3	La Flora*	1,050	1·65	...	6
	4	Britannia (No. 1)...	730	1·78	4·26	6
	4 a	Britannia (No. 2)*	600	0·42	...	7
	5	Gros Bois	500	1·02	3·68	8
	6	Savannah (Residence)	200	0·55	2·50	2
	7	Savannah, (Mill) ...	200	0·27	2·21	2
	8	St. Aubin	300	0·41	2·82	4
	9	Union Bel Air * ...	90	0·30	2·60	2
	10	Beau Bois	350	0·90	4·13	5
	11	Labarracq * ...	250	0·62	...	3
	12	St. Avold * ...	900	1·47	...	3
	13	Terracine	100	0·12	1·80	4
7,8&9	1	Bel Ombre * ...	50	0·27	...	2
	2	Chamarel ...	400	0·85	2·18	4
10		No returns ...				
11	1	Les Gorges* ...	...	0·46	...	3
	3	Curepipe Gardens ...	1,840	0·81	3·95	6
	4	Mare-aux-Vacoas ...	1,850	1·74	5·03	10
	5	La Marie Filter Bed	1,700	0·73	2·68	6
	6	Réunion	1,420	0·47	3·18	3
	7	Tamarin *	150	0·00	...	...
	8	Clarens §	150	..	...	...
12	1	The Manse ...	850	0·09	1·28	1
	2	The Bower § ...	1,080	...	...	...
	3	Le Réduit (D.of A.)	1,000	0·42	1·66	14
	4	Alma	1,460	2·21	4·69	4
	5	Minissy *	1,150	0·28	...	4
	6	Bagatelle ...	1,250	0·53	2·23	4
	7	Highlands * ...	1,300	0·74	...	4
	8	Trianon	950	0·20	1·66	1
	9	Salency	923	0·21	1·37	2
	10	Military Camp (V.)..	1,370	0·64	2·58	6
	11	La Ferme * ...	350	0·17	...	3
	12	Bon Air	1,050	0·45	2·15	1
	13	Val Ory	1,100	0·40	1·74	6
	14	Pieter Both (Este.)*	...	0·94	...	2
	15	Roslyn Cot. (Este.)*	...	0·40	...	1
	16	Agrément (Estate) *	...	0·81	...	2
	17	Circonstance (Ete.)*	...	1·02	...	2
13	1	Salines(Roche Bois)§	10	...	...	...
	2	The Albion Dock ...	18	0·03	0·74	1
	3	Line Barracks ...	10	0·00	1·54	...

* Normals not available § Record not received 4 a Bon Accueil.

NEW SERIES (MONTHLY). VOL. I. PART 11. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20° 5′ 39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

NOVEMBER, 1915.

A. WALTER, F. R. A. S.

DIRECTOR.

LIBRARY
APR 20 1916
Weather Bureau

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1915.

NEW SERIES (MONTHLY). VOL. I. PART 11. PRICE Rs. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

NOVEMBER, 1915.

LIBRARY
APR 20 1916
Weather Bureau

A. WALTER, F. R. A. S.
DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.
PRINTED AT THE GOVERNMENT PRESS.
1915.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1915.

Month and Day. 1915.	Barometric Pressure. Mean	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
Nov. 1	29·903	+·002	84·6	64·5	20·1	73·5	0·0	66·5	61·3	− 1·5	66	− 3	·541	58·7	0·010	5	·320	4·1
2	29·982	+·083	79·7	69·0	10·7	72·7	−0·9	66·8	62·3	− 0·6	70	+ 1	·561	64·3	0·000	...	·310	7·2
3	30·004	+·107	79·1	67·7	11·4	71·6	−2·1	65·3	60·5	− 2·5	68	− 1	·526	63·6	0·015	5	·275	5·7
4	29·940	+·045	81·0	67·7	13·3	72·8	−1·0	65·5	60·0	− 3·0	64	− 5	·517	66·4	0·000	...	·300	7·8
5	29·922	+·029	81·7	67·9	13·8	73·3	−0·6	64·5	57·9	− 5·2	59	−10	·480	58·4	0·000	...	·380	4·2
6	29·939	+·048	80·9	61·3	19·6	71·8	−2·2	62·4	55·2	− 8·0	56	−13	·435	53·5	0·000	...	·310	3·8
7	29·888	−·001	81·7	64·5	17·2	73·2	−0·9	64·3	57·6	− 5·7	58	−11	·475	56·9	0·005	15	·325	4·9
8	29·875	−·012	77·7	66·0	11·7	71·0	−3·2	66·8	63·4	0·0	77	+ 8	·583	62·8	0·145	75	·225	8·6
9	29·911	+·026	81·5	64·0	17·5	73·3	−1·0	65·4	59·5	− 4·0	62	− 7	·508	53·1	0·005	10	·335	3·4
10	29·914	+·031	81·1	65·7	15·4	73·2	−1·2	66·3	61·0	− 2·6	66	− 3	·536	60·0	0·015	15	·255	6·3
11	29·857	−·023	84·0	64·6	19·4	72·9	−1·6	64·8	58·7	− 5·1	61	− 8	·494	55·4	0·000	...	·240	6·3
12	29·832	−·046	81·9	62·5	19·4	71·7	−2·9	64·5	60·6	− 3·3	68	− 1	·528	54·4	0·000	...	·150	5·8
13	29·870	−·005	81·7	59·2	22·5	70·7	−4·0	63·5	57·9	− 6·1	64	− 5	·480	52·6	0·000	...	·190	3·2
14	29·886	+·013	84·7	67·3	17·4	75·0	+0·2	67·7	60·6	− 3·5	61	− 8	·528	58·5	0·035	65	·325	5·6
15	29·928	+·057	82·0	69·9	12·1	75·3	+0·4	68·9	64·2	+ 0·1	69	0	·599	65·8	0·085	35	·305	6·8
16	29·947	+·078	82·8	68·9	13·9	75·2	+0·2	68·5	63·6	− 0·6	67	− 2	·587	64·1	0·025	20	·385	4·1
17	29·894	+·027	84·6	68·8	15·8	75·9	+0·8	69·6	65·0	+ 0·8	69	0	·616	65·1	0·000	...	·340	4·6
18	29·868	+·003	84·7	71·9	12·8	77·1	+1·9	71·0	66·7	+ 2·4	70	+ 1	·654	69·0	0·000	...	·360	6·5
19	29·870	+·007	85·6	70·6	15·0	77·2	+1·9	70·6	66·0	+ 1·6	68	− 1	·638	65·1	0·000	...	·310	4·5
20	29·903	+·042	87·6	67·8	19·8	76·0	+0·6	70·1	66·0	+ 1·5	71	+ 2	·638	62·0	0·085	15	·195	5·8
21	29·915	+·056	85·3	66·7	18·6	75·6	+0·1	69·3	64·7	0·0	69	0	·610	60·8	0·010	10	·300	5·2
22	29·875	+·018	85·6	67·8	17·8	76·8	+1·2	69·6	64·4	− 0·5	66	− 4	·604	61·4	0·000	...	·310	4·5
23	29·845	−·010	87·6	71·4	16·2	77·8	+2·2	71·6	67·2	+ 2·2	70	0	·665	67·1	0·000	...	·290	4·4
24	29·873	+·021	86·4	69·4	17·0	77·4	+1·6	70·3	65·2	+ 0·1	66	− 4	·621	61·6	0·000	...	·300	4·1
25	29·867	+·017	86·4	68·3	18·1	77·1	+1·2	69·0	63·2	− 2·0	63	− 7	·579	59·2	0·000	...	·330	4·7
26	29·832	−·016	84·9	69·3	15·6	76·5	+0·5	69·6	64·6	− 0·8	67	− 3	·608	65·1	0·020	30	·310	5·8
27	29·791	−·054	84·4	69·7	14·7	76·0	−0·1	69·7	65·2	− 0·4	69	− 1	·621	63·5	0·010	20	·280	7·2
28	29·761	−·082	82·8	71·1	11·7	76·1	−0·1	71·2	67·5	+ 1·8	75	+ 5	·672	67·1	0·175	35	·275	6·4
29	29·745	−·096	85·5	69·8	15·7	77·1	+0·8	70·9	66·5	+ 0·6	70	0	·649	66·3	0·000	...	·180	3·4
30	29·747	−·092	85·8	71·7	14·1	78·0	+1·6	72·2	68·1	+ 2·0	72	+ 2	·686	68·5	0·000	...	·310	5·1
Mean	29·879	+·009	83·4	67·5	15·9	74·7	−0·2	67·9	62·8	− 1·4	66·7	−2·6	·575	61·7	Sum 0·640	Sum 355	·291	5·3
Average	29·870	...	83·9	67·3	16·6	74·9	...	68·8	64·2	...	69·3	...	·600	61·7	1·737	863	·262	5·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of November.

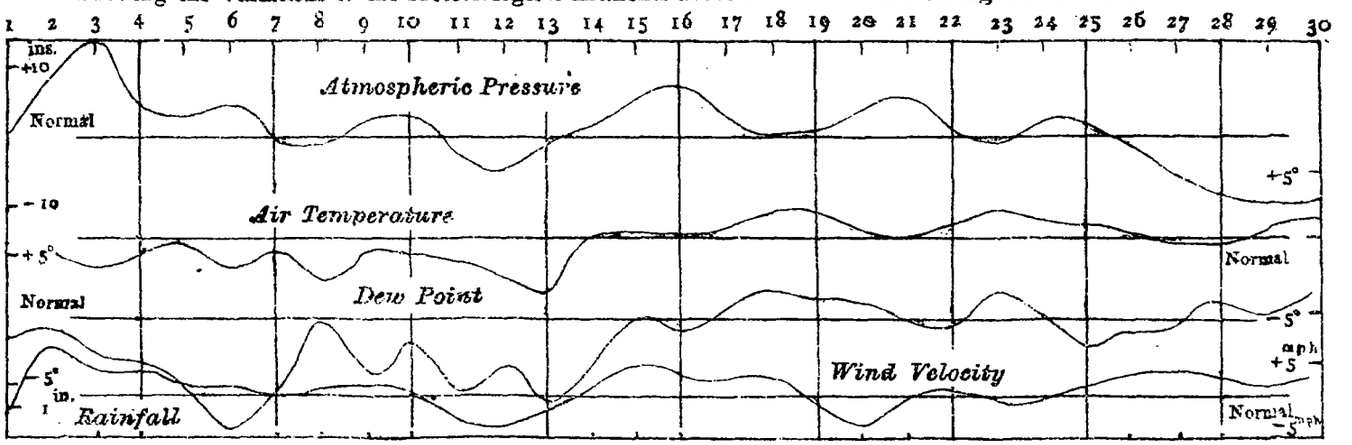


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches.	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
Nov. 1	7·1	55	− 2·5	+ 2·9	49	3·8	− 32	− 5·2	8·4	− 2·3	76·5	77·2	84·48	84·01	84·55	b. : f. : c. : f. :cp.
2	7·5	59	−10·5	+14·3	54	17·7	− 27	+ 8·7	18·1	+ 7·4	76·3	77·1	83·80	83·18	83·71	c.g. : cgq: c.d.q. : f.
3	6·8	53	− 6·9	+12·0	60	13·9	− 21	+ 4·9	14·1	+ 3·4	76·5	77·3	82·72	81·89	82·21	f. : c. : c.q. : c.p: f.
4	5·3	41	− 7·0	+11·8	59	13·7	− 22	+ 4·7	14·2	+ 3·5	76·7	77·3	82·58	82·17	82·97	c. : f. : o.g.q. : c.
5	9·0	70	− 7·2	+10·0	54	12·3	− 27	+ 3·4	12·6	+ 1·9	76·4	77·3	82·97	82·49	83·36	f. :f.q.: f. : c. : f.
6	11·5	89	− 6·1	+ 8·9	56	10·8	− 26	+ 1·9	11·4	+ 0·7	76·5	77·5	82·68	81·69	81·82	f. : f.q: f.
7	10·7	83	+ 0·5	+ 9·5	93	9·5	+ 11	+ 0·6	10·7	0·0	76·4	77·5	82·86	82·44	83·36	f. : c. : f.q. : f. : cp
8	4·8	37	+ 0·5	+11·3	93	11·3	+ 11	+ 2·4	11·7	+ 1·0	76·4	77·6	82·68	81·79	82·12	c.p. : c.g. :cgp: c.g.
9	11·9	92	− 0·4	+11·4	88	11·4	+ 6	+ 2·5	11·8	+ 1·1	76·4	77·3	81·19	80·71	81·66	c.p.: : f. : b.
10	8·7	67	− 4·0	+10·2	69	11·0	− 13	+ 2·1	11·5	+ 0·8	76·8	77·8	82·05	81·69	82·36	c.g.p. : c.q. : f.
11	6·3	49	+ 0·9	+ 6·4	98	6·5	+ 16	− 2·4	7·5	− 3·2	76·9	77·5	82·02	81·35	81·45	f. : c.
12	3·8	29	+ 0·3	+ 3·9	94	3·9	+ 11	− 4·9	6·2	− 4·5	76·4	77·7	81·41	80·34	80·06	f. : c.
13	6·4	49	− 3·3	+ 7·7	67	8·3	− 16	− 0·5	9·0	− 1·7	76·7	77·5	80·54	79·25	78·32	b. : c. f.
14	9·8	75	− 1·0	+11·2	85	11·2	+ 2	+ 2·4	11·5	+ 0·8	76·8	77·5	80·75	80·59	82·44	b. : f..q. : c.q:o.g.q.p.
15	11·5	88	− 1·2	+15·1	85	15·1	+ 2	+ 6·3	15·6	+ 4·9	76·5	77·9	82·73	82·96	84·27	ogp: c.g. :c.q:f.q.: c.p: f. :c.p.
16	11·2	86	− 1·8	+13·4	82	13·5	− 1	+ 4·7	13·9	+ 3·2	76·5	77·8	83·00	83·02	84·10	c.p.: f. : c. : f. : b.
17	11·3	87	− 1·3	+12·4	84	12·4	0	+ 3·6	13·0	+ 2·3	76·5	77·8	83·53	83·69	85·35	f. : c. : f.
18	10·9	83	+ 1·8	+12·9	98	13·0	+ 14	+ 4·2	13·6	+ 2·9	76·7	77·8	84·59	84·99	87·11	c. : f. : c. : f.
19	11·7	89	+ 2·5	+ 9·5	105	9·8	+ 21	+ 1·0	10·3	− 0·4	76·5	77·8	85·48	85·75	87·55	f. : c. : f.
20	5·8	44	+ 0·2	+ 4·5	93	4·5	+ 9	− 4·2	6·6	− 4·1	77·0	77·8	85·66	85·67	85·12	f. : c. :ogp: c. : f.
21	11·8	90	− 1·8	+ 9·5	79	9·7	− 5	+ 1·0	10·1	− 0·6	76·7	77·8	84·53	84·17	84·73	f. : c.: f. : c. : f.
22	11·8	90	+ 0·4	+10·2	92	10·2	+ 8	+ 1·5	11·2	+ 0·5	76·5	77·8	84·65	84·79	86·64	f. : c.: f.
23	9·7	74	+ 3·0	+ 9·2	108	9·7	+ 23	+ 1·0	10·2	− 0·5	76·7	78·0	85·79	85·98	87·34	f. : c. : f.
24	9·5	73	+ 0·6	+ 9·3	94	9·3	+ 9	+ 0·6	10·2	− 0·5	76·6	78·2	86·25	86·37	87·56	b. : f. : c. : b.
25	11·2	85	− 4·2	+11·0	69	11·8	− 16	+ 3·1	12·2	+ 1·5	76·5	78·3	86·21	86·30	87·56	f. : c.q. : f.q. : f. : c.
26	10·8	82	− 1·9	+12·9	82	13·0	− 3	+ 4·3	13·5	+ 2·8	76·9	78·5	86·69	86·56	87·80	c.p.: f. : f.q. :c.q.: c.
27	7·2	55	− 1·8	+13·5	83	13·6	− 3	+ 4·9	13·9	+ 3·2	76·6	78·3	86·36	85·66	85·86	f. : o. : o.g.p.
28	11·5	87	+ 0·4	+13·2	92	13·2	+ 6	+ 4·5	13·6	− 2·9	76·7	78·3	85·39	84·70	84·25	c. : o.p: c.p.q. :c.q.: f.
29	11·9	90	+ 0·2	+11·8	91	11·8	+ 5	+ 3·1	12·3	− 1·6	76·5	78·3	84·85	84·59	85·30	c. : f. : f.q: b.
30	8·0	61	+ 0·7	+12·5	93	12·5	+ 7	+ 3·8	13·1	− 2·4	76·9	78·9	85·70	85·65	86·14	f. : c. : c.g: f.
Mean	9·18	70·4	− 1·70	+10·41	80·7	10·55	−2·6	+1·74	11·73	+1·03	76·60	77·78	83·80	83·48	84·24	...
Average	8·82	67·8	− 1·02	+ 8·75	83·3	8·81	...	...	10·70	...	75·97	76·71	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Pressure was above normal on 22 days and slightly in excess in the mean for the month. Temperature was below normal during the first half and above normal during the latter half of the month. Relative humidity and dew-point were both in defect, the former on 24 days and the latter on 20 days. Wind velocity was above normal on 21 days and in excess of the mean hourly velocity by 1·03 miles.

The temperature of the soil to a depth of 9 ins. fell considerably from the 1st to the 14th but recovered rapidly by the 19th and continued to rise until the end of the month.

The highest dew point temperature was 70°·4 at 22h. & 23h. on the 30th; and the lowest 52°·9 at 9h. on the 16th.

The highest relative humidity was 93·9 % at 5h. & 6h. on the 21st; and the lowest 39·0 % at 14h. on the 15th & 13h. on the 25th.

Rainfall was again greatly in defect. At the Observatory it was 63% below normal. The percentage variation from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	55 % below normal
Eastern Districts	,, ,, 2, 3, 4.	30 % below ,,
South-Eastern Districts	,, ,, 5 & 6	35 % below ,,
Western Districts	River System 11	8 % below normal
	,, ,, 12	49 % below ,,
	,, ,, 13	45 % below ,,

(Dec. 21, 1915)

* South (0°) ; East (90°) ; North 180° ; (West) (270°).

TABLE II.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of NOVEMBER 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force (Unit 1 γ)	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′				h m	h m	h m	″	h m	h m	h m	″	
Nov. 1	9.42·4	·23189	·30795	6·4	139	9	1422	...	...	...	...	...	13.21·0 58·3 14.54·2	...	...	Beg. and End uncertain.
2	43·1	182	800	6·4	42	17										
3	43·6	203	794	7·8	19	24										
4	42·7	212	793	8·0	29	12										
5	43·8	220	790	8·2	57	16										
6	42·6	177	796	10·6	154	13										
7	43·8	186	802	7·4	63	13										
8	43·0	198	799	8·2	39	20										
9	43·3	203	793	10·0	28	19										
10	42·7	208	791	8·4	61	18										
11	43·6	208	790	6·0	41	11										
12	43·3	211	787	9·6	39	18										
13	43·0	221	786	8·0	40	12										
14	43·6	225	784	6·0	30	11										
15	43·4	229	779	6·6	42	13										
16	43·6	191	781	6·6	105	11										
17	43·3	181	785	5·8	66	10										
18	43·5	189	778	10·6	62	21										
19	43·3	199	774	5·8	45	22	1423	...	...	...	...	0.52·1	0.56·3	1. 1·3	0·5	
20	43·0	203	769	7·8	52	26										
21	43·0	203	768	7·8	40	20	1424	...	...	...	...	...	5.50·4	...	...	Beg. & End uncertain.
22	43·5	204	769	6·2	39	14										
23	43·2	203	...	8·2	39	...										
24	43·8	211	770	9·4	40	24										
25	42·9	222	769	10·0	47	24										
26	44·2	219	768	10·2	37	26										
27	43·2	220	766	10·0	30	28										
28	43·1	221	766	5·4	42	16										
29	43·9	222	770	4·2	44	6										
30	43·8	222	770	6·0	34	9										
Mean	9.43·31	·23206	·30756	7·72	51·5	16·1	...	...	...	...	...	...	...	...	...	...

Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of NOVEMBER 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.	MAGNETIC DISTURBANCES. Element.	Time of. Beg:	Time of. End.	Time of. Max:	Time of. Min:	Total Range
d h m	° ′	d h m		d h m	° ′		d h m	d h	d h m	d h m	
Nov. 4. 8.35	9.45·76	Nov. 4. 9.20	·23197	Nov. 4.10.40	53. 0·3	Hor. Force	1.11	2.4	1.11¾	1.19.18	134γ
13.46	9.37·91	13.00	·23236	7. 9.19	53. 0·6	Declination	1.12	2.2	1.19.20	1.14.40	8′·2
9. 7·8	9.45·52	9. 8.50	·23208	10.13.35	52.56·8	Hor. Force	5.18.36	7.7	6. 8.41	6.15.10	171γ
13.35	9.38·31	12.51	·23211	13. 8.55	52.59·3	Declination	5.18.36	7.8	6. 7.18	6.13.13	14′·0
16. 8.45	9.46·05	16. 9.30	·23213	17. 9.43	53. 1·4	Hor. Force	16. 0.16	17.4	17. 2¾	16.17¾	108γ
13.40	9.39·82	12.59	·23182	20.10.48	52.59·5						
29. 7.20	9.44·55	29. 8.36	·23234	24. 9.55	52·59·3						
13.34	9.41·74	12·44	·23240	27. 9.52	52.57·9						

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

NOVEMBER 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	ins. 29·000																
Midnight	904	963	1032	984	943	953	933	894	904	940	914	841	864	887	923	964	Midnight
1h	891	945	1014	961	931	942	919	874	888	928	893	823	848	867	904	959	1h
2	882	943	1006	949	914	931	903	855	882	920	878	813	834	863	894	946	2
3	872	937	1003	943	913	931	890	854	881	912	867	810	836	859	888	940	3
4	870	939	1005	945	915	939	887	847	886	913	872	812	845	874	895	945	4
5	876	951	1012	950	925	954	890	856	902	914	875	815	857	875	895	948	5
6	888	966	1023	957	940	966	900	868	916	926	885	830	873	893	913	956	8
7	901	978	1043	975	956	976	915	878	926	930	886	850	885	906	936	973	7
8	911	987	1047	977	964	987	916	888	930	943	894	857	894	902	946	975	8
9	910	993	1047	976	962	987	925	897	935	942	893	855	901	896	944	969	9
10	901	994	1041	967	947	982	914	890	934	927	886	846	897	895	934	966	10
11	896	987	1026	947	932	962	897	885	922	917	872	829	887	877	930	963	11
Noon	889	979	1022	927	913	947	877	869	911	906	853	826	877	872	923	946	Noon
13h	882	967	988	907	888	918	853	857	897	888	837	812	858	865	910	930	13h
14	877	962	967	894	873	898	838	847	881	877	818	802	843	857	895	911	14
15	871	957	956	887	868	889	835	837	868	863	811	795	837	848	895	903	15
16	874	958	947	888	862	887	836	846	868	867	807	796	837	853	899	897	16
17	883	968	951	902	876	896	847	856	884	876	807	812	847	867	914	897	17
18	907	986	972	911	897	897	861	873	905	897	819	826	867	876	937	925	18
19	921	1005	988	928	916	923	878	890	926	916	836	841	886	904	956	946	19
20	947	1026	1004	945	935	935	896	898	945	931	849	858	895	923	975	965	20
21	962	1044	1006	954	946	945	905	912	948	935	853	864	901	924	976	964	21
22	965	1047	1015	962	960	945	912	919	952	944	854	877	909	934	982	971	22
23	965	1045	1005	952	957	944	904	915	948	933	845	872	897	928	982	965	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
	ins. 29·000															
Midnight	948	902	876	914	942	928	869	902	915	872	811	802	762	761	902	Midnight
1h	925	879	857	896	933	902	852	882	899	852	792	782	758	737	884	1h
2	912	868	842	888	921	892	832	853	882	841	775	781	744	719	872	2
3	901	859	842	881	912	878	821	851	873	836	771	781	733	723	867	3
4	901	855	841	882	912	876	812	853	879	842	772	772	732	722	868	4
5	902	856	851	889	922	879	813	862	883	846	774	778	732	726	874	5
6	917	880	862	906	935	892	822	872	891	860	802	783	742	739	887	8
7	927	891	880	912	942	898	833	877	892	863	814	788	752	759	898	7
8	925	891	881	918	942	902	849	886	892	866	821	785	761	771	904	8
9	921	894	890	917	937	900	842	883	891	861	813	787	757	770	903	9
10	915	891	884	902	931	899	846	879	884	852	810	781	752	772	897	10
11	906	876	880	894	920	887	840	873	862	841	797	772	751	751	886	11
Noon	889	860	868	883	910	866	835	861	848	832	793	763	740	743	874	Noon
13h	863	852	850	875	889	857	827	848	833	808	773	743	720	734	858	13h
14	845	831	836	870	873	843	823	835	818	798	764	730	712	723	845	14
15	833	825	833	863	869	831	812	832	816	782	759	713	701	713	837	15
16	830	823	834	864	862	830	802	834	816	780	761	710	703	719	836	18
17	838	832	839	885	864	833	809	847	824	792	771	712	721	737	846	17
18	862	852	860	902	883	846	833	862	841	808	783	724	733	753	863	18
19	882	872	889	917	904	863	852	884	862	827	799	742	761	767	883	19
20	901	891	901	934	929	873	889	900	874	841	805	752	772	779	899	20
21	914	891	912	947	942	882	912	912	879	841	811	764	781	781	907	21
22	915	892	922	957	951	892	922	922	882	839	812	777	780	773	913	22
23	912	885	922	952	940	882	918	924	882	828	812	772	772	764	907	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

NOVEMBER 1915.

Day. / Hour.	1d. Air.	1d. Evaporation.	2d. Air.	2d. Evaporation.	3d. Air.	3d. Evaporation.	4d. Air.	4d. Evaporation.	5d. Air.	5d. Evaporation.	6d. Air.	6d. Evaporation.	7d. Air.	7d. Evaporation.	8d. Air.	8d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	64·9	60·3	70·5	66·4	68·8	65·0	68·5	63·8	69·5	63·6	67·6	62·3	69·3	62·9	68·6	65·0	Midnight
1h	64·8	60·6	70·5	66·3	68·7	64·7	68·9	65·2	68·7	63·3	66·1	61·0	67·4	62·3	68·6	65·5	1h
2	64·7	61·1	69·5	65·4	68·4	64·6	68·4	65·2	68·2	62·9	65·7	60·3	67·5	62·6	69·5	66·0	2
3	64·6	61·8	69·5	65·8	68·0	64·3	68·4	64·7	68·3	62·6	65·8	60·4	66·0	61·6	67·6	65·0	3
4	65·0	62·0	69·7	66·1	68·4	64·4	68·2	63·6	67·9	62·6	63·2	59·4	65·2	61·0	66·7	64·4	4
5	65·3	62·3	70·6	66·3	67·9	64·1	67·9	62·9	68·0	63·2	61·5	58·4	65·2	61·3	66·3	64·3	5
6	65·5	62·7	70·1	66·9	68·7	64·5	68·3	63·2	69·0	63·8	63·2	60·2	67·9	62·9	67·5	65·1	6
7	69·8	64·2	73·2	68·0	70·8	65·5	70·8	64·3	73·8	66·1	72·8	63·9	72·8	64·3	72·6	68·2	7
8	77·8	68·2	74·8	68·1	71·9	66·2	73·8	65·9	76·7	65·8	76·7	63·9	76·7	65·2	73·8	68·7	8
9	79·8	68·2	76·8	68·3	74·8	66·3	77·6	67·3	79·0	66·6	79·5	63·7	76·1	65·3	73·8	68·1	9
10	83·0	68·4	77·0	68·6	74·3	66·8	78·8	67·2	79·2	66·9	77·7	63·2	79·3	65·3	76·6	68·2	10
11	81·1	69·1	76·8	68·1	76·3	66·4	79·9	68·4	80·3	66·6	78·6	63·6	80·2	65·8	72·3	69·1	11
Noon	81·9	69·1	77·2	67·8	70·1	67·2	80·2	68·1	79·7	66·6	78·6	64·1	80·9	65·8	76·8	68·4	Noon
13h	81·7	69·7	75·7	68·5	77·6	67·0	79·2	67·1	80·4	66·2	79·3	64·1	80·6	65·1	75·5	68·2	13h
14	81·1	70·0	76·5	68·1	78·6	66·7	77·8	66·7	78·4	65·5	78·1	64·1	80·6	65·6	75·7	67·6	14
15	79·6	70·1	76·7	67·2	76·6	66·0	76·5	66·8	77·7	64·5	77·5	63·5	80·1	65·3	76·5	67·7	15
16	78·8	69·8	75·2	67·2	75·9	65·5	75·5	66·4	78·6	65·1	76·6	63·3	78·7	65·0	71·6	67·9	16
17	77·9	69·8	73·3	66·8	74·6	65·8	72·1	66·2	76·6	64·7	74·6	63·1	76·5	65·2	70·5	67·0	17
18	76·7	68·8	71·6	66·1	71·9	64·7	71·6	65·7	73·2	64·2	72·6	63·1	74·4	64·3	69·5	67·0	18
19	73·5	67·1	70·5	65·7	70·2	64·7	71·4	65·2	71·5	64·3	70·3	62·0	72·2	64·7	68·4	65·8	19
20	72·8	67·9	70·2	65·6	69·4	64·4	71·2	64·9	70·4	64·4	69·4	62·0	70·9	64·3	68·9	65·9	20
21	71·1	67·6	69·7	65·2	68·8	64·4	70·6	64·3	69·5	64·0	69·2	62·2	70·5	65·9	69·3	66·3	21
22	70·5	66·7	69·7	65·6	69·1	64·2	70·4	64·2	68·6	63·3	69·4	62·2	69·5	66·3	69·0	66·2	22
23	69·8	66·8	69·4	65·7	69·1	64·5	70·1	64·0	68·1	63·0	69·0	62·7	69·5	64·2	68·6	66·1	23

Day. / Hour.	9d. Air.	9d. Evaporation.	10d. Air.	10d. Evaporation.	11d. Air.	11d. Evaporation.	12d. Air.	12d. Evaporation.	13d. Air.	13d. Evaporation.	14d. Air.	14d. Evaporation.	15d. Air.	15d. Evaporation.	16d. Air.	16d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	68·6	65·8	68·3	65·2	65·6	62·4	64·8	61·4	62·6	58·8	67·5	64·3	70·6	68·5	72·0	68·5	Midnight
1h	68·0	65·4	68·5	65·6	64·9	62·0	63·6	61·0	61·9	58·5	67·5	64·3	70·6	68·3	71·4	68·9	1h
2	68·5	65·6	69·2	65·6	65·3	62·2	62·9	60·4	60·8	57·6	69·0	65·9	70·9	69·3	70·7	68·3	2
3	68·0	64·7	68·6	65·9	65·5	62·6	63·6	61·3	60·6	57·4	69·0	65·7	72·1	70·3	69·9	67·3	3
4	67·1	64·3	69·3	66·3	65·6	63·4	63·0	60·8	60·1	57·6	68·6	65·5	72·2	70·2	68·9	66·5	4
5	65·7	62·3	69·4	65·8	65·1	62·8	63·7	61·3	59·7	57·3	68·8	65·4	72·1	69·9	71·1	67·4	5
6	64·9	61·2	70·3	66·4	64·7	62·5	63·5	61·2	62·7	60·2	69·7	65·7	71·9	68·9	71·4	67·5	6
7	71·8	64·4	74·2	67·5	74·3	66·1	69·8	65·7	71·8	65·2	74·8	68·1	74·8	69·2	74·8	68·4	7
8	76·7	65·5	72·4	67·5	78·3	65·7	75·9	67·3	76·9	66·1	77·8	67·3	76·1	69·9	76·0	68·9	8
9	78·8	66·0	73·8	67·6	79·8	66·1	78·3	68·3	77·6	66·2	80·3	68·7	78·8	69·9	78·8	70·0	9
10	80·7	66·2	76·3	67·3	82·8	67·8	78·8	66·2	77·1	66·2	82·2	69·6	79·8	69·9	80·3	70·4	10
11	80·0	66·1	77·8	67·1	81·4	68·4	79·9	66·1	79·2	66·3	82·3	69·1	80·7	69·7	81·5	70·1	11
Noon	80·0	66·4	79·7	67·3	81·2	68·2	80·7	67·2	79·5	66·9	83·7	68·6	81·0	69·1	82·7	70·4	Noon
13h	80·7	66·5	80·8	68·3	79·7	67·3	79·7	68·0	77·0	67·9	83·3	68·1	81·0	69·1	81·7	70·3	13h
14	80·9	67·1	80·6	67·2	79·7	67·0	78·8	67·3	78·0	66·0	82·6	67·5	81·4	68·6	80.9	69·7	14
15	79·7	66·9	79·3	66·7	78·4	66·1	77·5	67·0	78·1	65·0	82·5	66·0	80·9	68·6	81·1	69·3	15
16	78·6	66·5	78·8	67·0	78·1	66·2	77·7	66·0	77·7	65·7	80·2	67·3	78·7	68·5	79·4	69·1	16
17	76·2	66·5	76·6	66·3	76·6	66·0	77·7	67·1	76·3	65·8	77·6	69·2	77·8	68·4	78·7	69·0	17
18	74·4	66·3	74·6	66·5	75·1	65·4	75·9	67·8	74·6	65·1	75·7	69·0	74·6	68·3	75·4	68·0	18
19	71·9	65·8	71·7	66·0	73·9	65·8	74·5	67·7	71·9	65·3	71·6	69·6	73·4	67·2	73·4	67·4	19
20	70·7	65·5	70·0	65·2	72·5	64·9	73·0	65·2	69·9	64·9	71·5	70·0	71·8	67·2	71·8	67·1	20
21	69·9	65·6	70·5	65·7	68·9	63·2	69·0	63·0	68·4	64·2	71·2	69·2	70·9	68·0	71·4	67·1	21
22	69·4	65·2	69·1	64·7	67·3	62·5	66·5	61·3	66·4	63·2	71·2	69·5	71·6	68·4	70·8	66·8	22
23	69·0	65·3	67·0	63·3	65·6	61·5	63·8	59·5	66·1	63·2	70·8	68·9	72·5	68·7	70·3	66·5	23

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

NOVEMBER 1915.

Hour. / Day.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	
Midnight	71·1	68·2	72·8	70·3	72·5	70·2	71·1	68·5	69·5	67·6	71·1	68·2	72·9	70·0	72·0	69·2	Midnight
1h	70·7	67·8	72·5	70·2	71·9	69·7	70·1	68·2	69·3	67·4	70·5	67·8	72·7	70·0	72·0	69·6	1h
2	70·1	67·3	72·4	70·2	71·4	69·3	69·6	67·9	68·9	67·2	69·4	66·9	72·4	69·9	71·4	69·2	2
3	69·2	67·1	72·6	70·2	71·3	69·3	69·0	67·5	68·3	66·9	69·0	66·8	72·2	69·8	71·5	69·3	3
4	69·4	67·2	72·0	69·7	71·2	69·4	68·2	66·9	67·9	66·5	68·5	66·2	72·4	69·9	71·4	69·2	4
5	68·9	66·9	72·1	69·7	70·8	69·2	69·1	67·7	67·1	66·1	67·8	66·0	72·5	70·0	70·9	69·2	5
6	70·3	67·5	72·5	70·2	71·5	69·6	69·1	67·6	66·7	65·7	71·0	68·1	73·1	70·5	72·5	70·1	6
7	73·5	69·1	75·4	71·5	75·6	71·1	75·6	71·7	75·5	71·4	75·5	70·1	75·5	72·3	77·4	71·9	7
8	77·6	69·4	78·5	71·7	78·9	71·2	78·5	71·7	77·5	70·5	78·0	70·0	77·5	72·7	80·2	71·7	8
9	79·6	70·2	80·0	71·7	81·4	71·9	81·0	71·6	79·5	71·0	80·0	70·5	79·5	73·3	81·7	71·5	9
10	81·5	70·4	81·8	71·9	83·1	71·9	84·0	71·4	82·5	71·1	81·5	70·1	81·5	73·4	83·4	71·4	10
11	83·1	70·6	83·6	71·9	83·9	71·6	86·1	72·4	82·9	70·9	84·2	69·9	83·6	73·6	84·6	71·9	11
Noon	83·0	70·9	83·7	72·1	84·6	72·0	85·8	71·4	83·6	71·6	84·6	70·6	85·5	73·9	83·9	71·7	Noon
13h	83·6	71·2	83·8	72·6	84·6	71·7	85·5	71·5	84·6	71·4	84·8	70·9	85·6	73·4	85·3	71·5	13h
14	83·1	71·6	83·9	72·2	85·2	71·9	84·4	71·5	84·3	71·6	85·1	71·3	85·4	73·5	85·2	72·1	14
15	82·1	71·3	82·9	71·9	83·6	71·4	81·9	71·5	82·6	70·9	84·1	71·8	84·6	73·3	85·0	72·8	15
16	80·1	70·7	81·2	71·4	81·6	71·1	80·6	71·8	80·8	70·6	82·4	71·4	83·1	72·9	81·4	70·9	16
17	78·6	70·3	79·8	71·4	80·6	71·4	80·1	72·1	79·2	69·9	80·7	71·0	81·6	72·4	79·7	69·9	17
18	76·6	70·2	77·2	70·9	78·4	71·0	75·3	72·5	77·3	69·0	78·8	70·6	79·6	72·3	78·8	70·1	18
19	74·6	70·0	75·6	70·6	76·0	70·8	73·1	71·5	75·2	70·1	77·5	70·5	77·1	71·2	76·9	70·0	19
20	73·7	70·1	75·0	70·7	75·5	70·8	72·6	70·6	74·1	69·5	76·2	70·5	75·9	70·6	75·2	69·6	20
21	73·5	70·1	74·6	70·4	74·8	70·8	72·0	69·6	72·6	68·7	75·1	70·5	74·9	70·1	73·6	69·2	21
22	73·5	70·2	73·6	70·1	73·4	69·8	71·2	68·8	71·6	68·1	73·7	70·3	74·6	70·1	73·2	69·1	22
23	73·1	70·3	73·5	70·2	71·8	69·2	70·4	67·9	71·4	68·2	73·3	70·2	73·5	70·1	71·6	68·2	23

Hour. / Day.	25d.		26d.		27d.		28d.		29d.		30d.		Mean.		Day. / Hour.
	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air.	Evaporation.	Air	Evaporation.	
Midnight	69·7	66·7	74·7	70·2	71·7	67·9	73·1	69·2	73·5	71·2	73·0	70·6	69·9	66·4	Midnight
1h	69·4	66·2	74·5	70·2	72·0	68·2	72·2	68·8	72·8	70·9	72·9	70·5	69·4	66·3	1h
2	68·7	66·3	74·0	68·8	70·6	68·2	71·4	68·6	72·4	70·2	72·4	70·3	69·1	66·1	2
3	69·9	67·2	71·1	68·6	69·7	67·9	71·8	70·1	70·8	68·5	72·8	70·3	68·8	66·0	3
4	69·7	67·2	70·5	68·5	70·0	68·3	71·5	70·2	70·0	68·2	72·7	70·2	68·5	65·9	4
5	69·5	67·0	69·5	67·4	71·5	68·1	71·1	69·8	70·4	68·4	71·8	69·9	68·4	65·7	5
6	71·5	68·1	70·2	68·6	72·8	68·6	72·4	71·0	70·9	68·7	72·6	70·4	69·2	66·2	6
7	76·0	69·4	75·0	70·4	75·7	69·1	75·5	72·1	76·5	70·4	76·4	72·1	74·1	68·4	7
8	76·0	70·0	78·5	70·2	79·1	69·5	77·4	71·9	78·5	71·0	79·5	72·5	76·9	68·8	8
9	79·5	70·2	80·5	71·0	81·4	69·9	79·7	72·9	80·6	71·6	81·5	72·6	79·0	69·2	9
10	83·5	69·4	82·5	70·0	81·9	70·4	79·7	72·7	82·0	71·9	81·5	72·9	80·5	69·2	10
11	84·1	69·1	83·7	70·2	83·8	70·9	79·6	71·9	82·6	72·4	84·8	72·8	81·3	69·3	11
Noon	84·3	70·0	83·6	70·4	79·6	70·9	80·1	72·0	84·1	72·7	84·6	73·8	81·5	69·5	Noon
13h	85·5	69·0	84·4	70·9	82·5	70·9	80·8	72·4	83·1	71·9	84·9	74·1	81·8	69·5	13h
14	86·1	69·9	84·0	70·6	81·1	70·4	81·6	71·9	85·1	72·2	84·1	73·9	81·6	69·3	14
15	84·6	69·4	82·1	70·7	80·7	70·7	81·1	72·0	83·6	71·9	83·6	73·8	80·7	69·0	15
16	83·8	69·9	80·6	70·2	76·9	71·0	79·6	71·9	82·6	71·9	83·1	73·5	79·3	68·9	16
17	81·5	69·9	78·1	70·6	75·9	70·4	78·5	70·9	79·9	71·4	80·6	72·9	77·6	68·7	17
18	78·3	69·6	76·2	69·4	76·8	70·2	76·7	70·9	78·6	71·0	79·6	72·2	75·7	68·3	18
19	76·4	69·7	74·2	69·6	73·6	71·2	75·0	71·0	76·0	71·0	77·5	72·5	73·6	68·1	19
20	75·6	69·9	71·6	68·7	73·7	70·4	74·9	71·2	74·9	71·2	76·3	72·7	72·7	67·9	20
21	74·6	70·1	72·5	68·2	73·8	69·9	75·0	71·1	74·3	71·1	75·5	72·5	71·9	67·6	21
22	74·3	70·1	72·4	68·8	73·9	69·7	74·8	71·0	73·6	70·9	75·2	72·4	71·2	67·3	22
23	75·0	70·3	72·8	68·4	74·0	69·7	73·7	71·2	73·4	70·8	74·9	72·3	70·7	67·0	23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour. \ Day.	NOVEMBER 1915.																													
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	Mean.
Midnight	1	9	4	5	3	4	3	9	6	1	3	5	0	2	9	5	6	7	5	5	7	6	3	2	7	4	3	10	3	2	4·6
1h	1	9	4	9	2	2	2	7	7	7	2	2	0	1	10	6	3	9	7	2	7	5	1	1	4	9	3	8	6	3	4·6
2	2	9	3	4	3	3	6	8	10	3	3	2	0	2	10	1	2	10	6	2	3	7	2	2	1	10	5	10	4	2	4·5
3	0	9	3	9	3	2	0	9	7	10	6	1	0	3	10	2	3	9	5	3	3	3	1	2	1	5	4	10	2	4	4·3
4	0	9	7	8	5	2	0	10	5	9	5	2	0	3	10	2	2	10	4	2	3	2	3	3	2	4	4	10	2	5	4·4
5	1	8	5	10	6	2	8	8	3	8	6	1	0	1	10	3	4	10	4	3	4	3	5	1	2	5	5	10	3	3	4·7
6	0	8	8	9	7	3	7	9	1	7	4	2	1	1	9	3	4	10	4	4	4	3	6	1	4	4	8	6	5	3	4·8
7	0	8	7	9	6	3	6	10	1	6	4	2	1	4	9	3	5	8	5	4	3	5	8	1	4	3	6	5	4	3	4·8
8	3	9	9	8	4	4	5	9	2	9	5	5	2	5	9	6	5	6	4	6	4	6	9	4	9	4	4	7	4	5	5·7
9	4	9	8	3	3	5	8	7	4	9	5	8	6	4	7	6	5	5	6	7	8	7	7	5	8	5	3	8	5	7	6·1
10	5	8	8	8	4	5	6	8	5	8	5	8	6	4	7	8	6	6	6	6	6	7	8	5	6	4	4	9	5	9	6·3
11	6	10	8	6	5	6	4	9	5	7	5	7	7	3	6	7	7	4	7	6	5	5	6	6	6	4	6	9	5	5	6·1
Noon	7	9	10	6	7	6	3	9	5	7	7	8	8	2	5	6	7	6	5	7	5	5	7	6	6	7	10	9	5	5	6·5
13h	8	9	7	7	6	7	5	9	5	6	7	8	8	5	6	5	6	5	5	9	4	6	6	5	5	6	10	9	5	6	6·5
14	9	7	7	7	8	6	4	9	5	7	8	9	7	7	4	6	5	5	4	9	5	6	7	7	4	7	10	7	4	7	6·6
15	9	7	6	10	5	7	3	9	5	7	8	8	6	7	5	7	6	5	5	10	4	5	5	10	5	5	9	7	4	9	6·6
16	9	6	6	10	3	5	3	9	3	6	7	7	7	9	6	5	6	4	5	10	6	5	4	9	3	5	10	6	4	9	6·2
17	6	5	8	10	3	6	4	9	2	5	8	9	6	10	6	3	5	4	4	10	7	4	5	9	3	7	10	5	3	10	6·2
18	4	4	8	10	3	4	5	9	1	6	8	9	4	10	4	4	5	4	3	9	7	5	2	8	6	6	10	4	2	7	5·7
19	2	5	3	10	4	0	4	9	0	5	9	10	2	10	2	5	2	5	2	8	6	4	1	6	4	9	10	2	1	3	4·8
20	1	6	1	10	3	0	7	8	0	5	9	8	2	10	3	2	1	5	2	4	8	3	2	1	5	8	10	1	1	3	4·3
21	5	4	1	7	2	2	8	8	0	7	8	5	1	10	6	1	2	6	2	3	6	3	3	1	5	10	9	3	1	3	4·4
22	5	3	2	7	3	2	8	9	0	4	9	8	0	9	3	1	6	7	4	4	6	3	3	1	6	5	7	2	0	3	4·3
23	7	5	3	6	3	6	6	8	1	2	8	8	2	10	9	1	8	8	3	6	5	2	2	0	8	4	9	1	4	5	5·0

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	NOVEMBER 1915.																													
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	Total.
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	hrs.
6h	0	0	0	0	0	18	0	0	10	0	5	0	7	0	0	0	0	0	0	0	10	6	0	0	7	0	0	0	0	0	1·1
7	46	20	1	0	17	60	1	30	60	27	60	37	60	60	30	40	32	3	50	36	60	59	24	60	60	56	15	54	54	55	19·5
8	60	45	23	15	60	60	60	11	60	32	60	60	60	60	60	58	58	59	60	50	58	57	1	60	26	60	50	57	60	55	24·9
9	60	26	32	59	60	60	58	31	60	5	60	19	59	60	60	60	59	60	60	49	60	48	32	60	47	60	60	59	60	60	25·7
10	60	58	15	52	60	59	46	59	60	33	60	25	47	60	60	60	60	60	60	45	60	59	48	60	60	60	60	57	60	55	27·0
11	42	42	35	57	60	58	60	40	57	47	59	47	55	60	60	60	60	60	60	53	60	59	60	60	60	60	60	54	60	53	27·6
Noon	40	43	11	60	60	55	60	45	60	55	32	18	29	60	60	60	60	60	57	59	60	60	60	60	60	60	32	48	60	60	25·7
13h	59	46	27	36	54	60	60	38	58	55	18	2	0	60	60	60	60	60	60	47	60	60	60	60	60	58	44	60	60	59	25·0
14	38	26	60	38	28	55	60	11	60	57	12	1	0	60	60	60	60	60	60	6	60	60	60	60	60	60	59	60	60	43	23·2
15	18	39	58	0	0	57	60	12	60	57	1	0	0	60	60	60	60	60	57	0	60	60	60	60	60	58	27	60	60	11	20·6
16	0	36	60	0	30	60	60	4	60	60	1	0	7	45	60	60	60	60	58	0	58	60	60	30	60	60	0	58	58	5	19·5
17	2	50	40	0	60	55	60	5	60	60	10	14	47	0	60	60	57	60	59	0	59	60	60	1	60	50	23	58	59	0	19·8
18	1	17	47	0	55	33	57	0	47	35	0	7	15	0	60	32	55	54	60	0	45	60	59	0	53	5	0	58	58	22	15·6
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	6	5	0	0·2

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 275·4 hours; the corresponding period during which the sun was above the horizon was 390·1 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

NOVEMBER 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	6·7	11·9	11·7	5·4	9·8	7·3	6·1	6·3	3·7	6·5	4·4	4·4	9·4	6·7	7·8	15·1	Midnight
1h	6·9	12·7	11·0	12·3	9·4	4·6	5·2	5·6	4·6	7·3	6·3	4·8	7·8	7·1	8·0	14·3	1h
2	6·9	8·4	11·7	12·3	10·2	6·3	4·2	7·1	5·7	6·5	6·3	8·2	7·1	7·1	10·0	12·9	2
3	5·0	15·5	10·2	10·4	8·0	6·3	5·0	5·4	5·2	6·5	4·8	5·9	8·2	8·2	10·8	11·2	3
4	6·1	10·4	8·4	7·6	8·4	3·1	5·4	8·2	4·4	7·3	5·6	6·3	7·3	10·4	12·1	8·2	4
5	8·2	10·2	7·8	11·2	9·0	4·4	4·4	4·6	5·7	9·2	5·6	4·6	8·4	10·4	13·1	10·2	5
6	5·6	10·6	9·4	12·5	11·5	5·0	6·1	4·2	6·3	8·2	6·1	6·3	6·1	10·8	15·1	11·9	6
7	5·2	14·1	12·1	14·7	6·1	9·4	12·5	5·4	9·8	12·1	10·6	4·2	5·0	10·2	16·9	16·3	7
8	12·1	20·1	13·1	15·3	17·3	17·7	15·9	13·1	16·1	16·1	9·4	6·3	8·2	13·3	18·7	16·5	8
9	6·9	23·7	16·3	17·1	25·9	17·5	15·3	17·3	17·1	14·7	9·0	8·2	8·4	15·1	19·7	17·5	9
10	6·7	24·3	17·3	19·1	19·5	18·9	16·9	16·9	17·1	17·5	12·1	8·2	13·9	10·0	24·3	19·3	10
11	10·2	28·1	18·5	19·9	18·5	15·5	16·1	19·1	18·1	18·1	13·3	6·5	13·9	13·1	22·3	19·3	11
Noon	11·6	27·9	16·3	17·9	17·1	19·1	14·1	19·5	16·5	18·1	12·1	11·0	9·8	13·1	20·1	19·1	Noon
13h	9·8	28·1	19·7	18·3	15·5	18·1	17·5	16·7	16·7	17·5	8·8	7·5	7·3	16·1	20·7	19·3	13h
14	9·8	25·1	22·5	17·7	14·7	18·9	16·7	18·1	17·7	17·7	9·0	8·0	10·8	15·1	18·3	18·3	14
15	8·0	24·1	21·3	17·5	13·3	19·1	16·1	18·1	19·3	17·9	7·6	5·0	13·5	14·1	19·5	18·5	15
16	6·3	24·3	22·1	18·1	14·7	18·1	15·9	14·3	19·5	16·7	8·2	6·5	13·5	14·3	22·5	17·7	16
17	6·1	20·1	18·9	17·5	15·5	18·1	14·7	16·5	18·9	16·7	7·6	3·7	14·7	15·7	18·1	19·7	17
18	5·0	19·1	20·7	14·7	15·7	13·5	13·7	12·5	15·1	13·1	6·9	4·4	11·2	16·3	13·9	13·9	18
19	5·6	16·7	13·3	12·1	10·4	7·1	9·4	14·3	9·2	8·2	5·9	2·0	5·4	14·1	13·7	10·4	19
20	11·9	18·3	11·4	11·5	9·4	6·1	6·1	13·1	9·2	5·6	5·0	3·5	8·8	9·0	7·3	7·1	20
21	13·7	15·1	9·2	12·7	9·2	6·3	3·7	10·6	8·8	6·1	4·4	3·0	6·7	10·0	9·6	10·0	21
22	10·0	13·9	10·2	11·5	7·1	7·5	7·5	7·6	8·6	5·4	4·6	8·8	6·5	8·6	12·5	6·5	22
23	15·7	12·3	9·2	12·1	7·1	7·1	8·8	8·2	8·6	4·4	5·9	8·0	5·2	7·5	14·9	5·4	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
Midnight	6·3	9·8	9·4	3·7	3·9	10·0	9·4	6·5	3·3	9·8	9·2	11·5	7·3	10·0	7·8	Midnight
1h	9·0	11·0	9·0	5·2	4·0	5·7	8·4	8·2	4·0	7·3	10·0	8·4	6·1	10·0	7·8	1h
2	6·1	10·2	9·2	4·2	4·8	5·7	7·6	5·2	4·4	9·6	7·3	7·1	6·7	9·8	7·6	2
3	5·7	12·1	8·2	4·6	5·4	6·7	8·0	7·6	6·5	8·8	6·3	6·9	9·0	10·6	7·8	3
4	5·7	11·0	8·0	4·4	5·0	5·7	10·2	8·6	6·9	7·1	5·9	8·4	9·0	9·2	7·5	4
5	6·1	11·9	8·4	4·4	4·4	7·6	10·2	9·8	6·3	5·2	8·6	8·8	10·8	8·4	7·9	5
6	7·8	10·4	9·8	4·2	5·4	6·5	7·1	9·6	6·7	6·3	10·5	8·2	9·4	11·0	8·3	6
7	11·2	15·3	11·9	6·5	7·3	8·2	12·5	12·7	12·3	11·7	16·3	11·9	12·1	13·1	10·9	7
8	17·3	16·9	13·5	9·0	10·2	12·1	11·7	12·7	11·9	17·9	18·3	17·5	14·7	17·7	14·4	8
9	16·9	15·3	12·9	9·2	11·2	14·1	12·1	13·5	15·9	19·1	17·3	18·5	15·7	17·3	15·3	9
10	16·9	16·1	13·5	10·2	12·9	16·1	13·3	14·1	17·7	19·5	17·1	17·9	15·3	17·1	16·0	10
11	17·9	16·3	12·9	10·6	14·3	16·1	15·1	12·1	18·3	20·3	17·3	19·9	16·3	16·5	16·5	11
Noon	18·1	16·9	14·5	11·9	14·3	16·1	14·9	14·7	17·1	18·1	19·1	20·1	15·7	16·9	16·4	Noon
13h	17·7	16·1	14·9	12·9	15·3	14·1	13·1	15·5	16·7	18·9	19·3	20·1	15·1	16·1	16·1	13h
14	18·1	18·1	14·1	9·4	15·1	14·1	12·3	15·7	17·7	17·5	17·9	19·1	14·7	16·3	16·0	14
15	17·9	17·3	14·1	8·0	15·3	14·3	12·3	16·5	16·1	19·7	17·1	19·1	15·5	15·1	15·7	15
16	18·5	16·1	11·0	8·0	14·9	14·3	11·7	14·1	17·5	19·5	16·1	19·1	15·9	14·9	15·5	16
17	18·9	15·9	11·2	7·6	15·5	13·7	11·0	13·1	18·7	17·5	15·5	19·7	14·5	12·1	14·9	17
18	16·3	14·7	10·8	2·8	14·7	14·7	9·8	10·2	16·3	15·5	16·7	13·5	15·9	11·4	13·1	18
19	12·1	11·9	9·6	2·4	12·5	11·9	9·8	8·2	14·3	12·1	10·2	13·1	11·4	11·4	10·3	19
20	11·0	11·7	6·9	4·4	9·8	10·0	8·2	5·4	10·6	12·3	11·0	11·4	10·4	11·9	9·3	20
21	10·4	10·6	6·1	4·8	8·2	11·9	5·7	4·4	9·0	11·0	13·1	11·9	10·4	11·7	8·9	21
22	11·4	11·5	5·7	4·0	7·3	10·2	6·3	4·0	8·6	9·8	15·1	9·2	12·3	11·5	8·8	22
23	12·3	10·4	4·8	5·2	8·8	9·4	4·6	3·1	10·0	10·6	16·3	8·4	8·8	12·7	8·9	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile.*)

NOVEMBER 1915.

Hour \ Day.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Hour \ Day.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	95	105	92	108	93	110	95	102	94	108	96	106	99	106	98	106	Midnight
1h	94	104	91	109	94	109	91	109	95	108	97	104	98	105	98	105	1h
2	96	106	93	105	96	111	91	109	93	107	96	105	98	104	100	107	2
3	97	104	87	109	96	109	93	107	96	107	96	104	98	105	98	105	3
4	97	105	90	104	94	106	96	106	94	106	98	102	98	105	100	108	4
5	97	108	93	107	97	107	92	108	97	108	96	102	98	104	99	104	5
6	98	105	94	109	95	108	90	107	92	108	96	103	98	106	101	104	6
7	99	105	90	110	91	109	90	110	97	105	92	105	102	112	102	105	7
8	91	109	89	117	95	112	89	111	93	116	88	112	106	115	102	113	8
9	101	107	91	122	88	111	88	112	86	121	85	110	106	114	100	117	9
10	97	106	86	120	93	116	93	118	89	116	83	107	114	109	100	117	10
11	96	91	80	120	87	113	89	116	93	117	87	109	109	113	104	119	11
Noon	110	93	85	123	89	112	90	115	94	116	89	116	112	108	111	116	Noon
13h	104	91	94	128	96	119	100	118	89	111	90	115	103	117	100	117	13h
14	102	90	82	118	95	122	97	117	88	108	93	118	100	117	100	118	14
15	100	92	83	117	85	115	97	117	97	113	89	116	94	115	107	117	15
16	103	95	87	120	88	118	96	118	90	110	100	118	103	116	106	113	16
17	103	105	89	117	93	117	88	112	94	114	100	118	92	112	100	117	17
18	98	105	86	113	92	119	92	112	89	111	95	112	95	113	95	111	18
19	96	104	91	114	95	112	95	111	93	107	97	107	96	109	97	114	19
20	93	110	93	117	94	110	96	111	93	107	98	106	98	106	100	113	20
21	90	110	94	114	96	109	93	111	93	107	99	106	99	104	96	110	21
22	93	107	92	111	96	109	93	110	95	105	96	106	97	107	97	107	22
23	89	111	95	111	95	108	100	112	94	104	97	107	98	109	100	108	23

Hour \ Day.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Hour \ Day.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	99	104	99	106	98	104	98	104	95	108	97	106	97	107	97	115	Midnight
1h	98	104	98	107	98	106	97	104	96	106	99	107	97	107	97	114	1h
2	98	105	98	106	99	106	95	107	96	106	99	107	98	110	100	113	2
3	97	104	99	106	98	104	96	104	94	106	97	108	100	111	98	111	3
4	98	104	98	107	97	105	96	104	97	107	96	110	100	112	98	108	4
5	97	105	98	109	97	105	101	104	95	107	98	110	100	113	100	110	5
6	98	106	98	108	96	104	97	105	96	104	98	111	100	115	100	112	6
7	100	110	95	111	92	107	98	104	98	103	98	110	100	117	100	116	7
8	100	116	94	115	98	109	102	106	97	108	100	113	100	119	100	116	8
9	103	117	106	114	100	109	107	104	95	108	100	115	100	120	100	118	9
10	100	117	97	117	107	110	100	108	95	113	102	110	95	124	100	119	10
11	103	118	104	118	107	111	102	106	95	113	100	113	104	122	100	119	11
Noon	109	114	87	113	110	107	110	104	94	108	100	113	111	117	100	119	Noon
13h	100	117	97	117	103	108	106	104	93	97	106	115	96	120	104	119	13h
14	100	118	88	112	105	108	104	107	96	110	97	115	100	118	100	118	14
15	100	119	97	118	104	106	102	105	97	113	97	114	96	119	96	118	15
16	104	119	91	114	105	107	105	104	103	113	100	114	100	122	97	117	16
17	100	119	88	112	104	106	97	99	100	115	97	115	96	118	86	114	17
18	94	114	91	109	101	107	101	96	98	111	100	116	97	114	97	114	18
19	97	108	95	107	102	105	100	98	98	105	100	114	97	113	96	110	19
20	93	109	97	105	101	105	99	97	98	109	105	107	97	107	97	107	20
21	100	109	98	106	101	104	100	103	97	106	98	110	96	109	98	110	21
22	100	109	96	104	101	104	98	109	98	106	97	108	98	112	97	106	22
23	98	108	98	104	97	105	97	107	98	105	96	106	94	114	97	105	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

NOVEMBER 1915.

Hour. \ Day.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d. N.	20d. E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.	Day. \ Hour.
Midnight	96	104	98	110	100	109	97	103	97	103	96	109	100	109	98	106	Midnight
1h	98	109	96	110	100	109	97	104	97	103	96	104	100	108	98	108	1h
2	98	106	100	110	100	109	97	103	97	103	96	104	98	107	99	105	2
3	98	105	100	112	100	108	97	104	96	104	96	106	97	107	96	106	3
4	98	105	94	109	100	108	98	104	96	103	97	105	100	110	98	108	4
5	97	105	95	111	100	108	98	104	97	103	96	106	100	110	100	110	5
6	96	106	100	110	98	110	98	103	97	105	96	105	101	107	98	109	6
7	96	110	100	115	100	112	96	105	96	106	97	108	105	112	100	113	7
8	97	117	100	117	103	113	105	108	100	110	100	112	105	111	105	112	8
9	100	117	103	115	105	112	106	106	102	111	92	112	107	110	109	109	9
10	100	117	100	116	105	112	100	110	100	113	111	111	107	111	103	114	10
11	103	118	106	115	109	109	104	110	97	114	103	116	111	111	105	111	11
Noon	107	117	109	114	108	112	108	108	97	114	100	116	106	114	106	114	Noon
13h	100	118	109	113	106	114	107	111	94	114	103	114	107	111	100	116	13h
14	104	118	110	115	108	112	108	106	100	115	105	113	109	109	109	113	14
15	103	118	107	116	103	114	106	106	103	115	108	112	109	109	109	114	15
16	104	118	106	115	106	109	104	107	103	115	108	112	104	111	100	114	16
17	100	119	103	116	106	109	93	99	100	116	108	111	104	110	98	113	17
18	94	115	106	114	106	109	99	97	97	114	100	115	102	110	94	109	18
19	95	111	100	112	100	110	98	98	100	113	100	112	100	110	97	108	19
20	96	110	100	112	100	107	96	102	98	110	100	110	100	108	98	105	20
21	96	110	100	111	100	106	98	104	98	108	100	112	100	106	98	104	21
22	98	111	100	111	100	106	97	103	97	107	100	110	100	106	98	104	22
23	95	111	100	110	100	105	97	104	97	108	100	109	101	104	98	102	23

Hour. \ Day.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	Mean. N.	Mean. E.	Day. \ Hour.
Midnight	98	102	100	110	97	108	98	111	101	107	98	110	97·2	106·9	Midnight
1h	98	103	96	106	96	109	100	108	104	104	100	110	97·2	106·8	1h
2	98	104	95	108	96	106	99	107	101	107	100	110	97·3	106·7	2
3	96	105	94	106	98	106	96	106	100	109	102	110	96·8	106·6	3
4	97	106	96	106	98	105	97	108	100	109	100	109	97·2	106·5	4
5	96	105	97	104	95	107	94	106	100	111	100	108	97·3	107·1	5
6	95	105	96	105	95	112	97	108	100	109	96	110	96·9	107·3	6
7	98	112	98	111	97	116	100	112	100	112	100	113	97·5	109·9	7
8	95	111	100	118	96	118	100	117	100	115	103	117	98·5	113·4	8
9	97	116	100	119	100	117	104	118	100	116	100	117	99·4	113·9	9
10	93	116	100	120	100	117	104	118	106	114	110	114	99·6	114·4	10
11	100	118	100	120	103	117	100	120	106	115	100	116	100·3	114·3	11
Noon	97	117	107	117	100	119	104	120	106	115	103	117	101·9	113·5	Noon
13h	97	116	100	119	100	119	100	120	100	115	106	115	100·3	114·3	13h
14	97	117	97	117	100	118	111	116	106	114	106	115	100·5	113·7	14
15	100	116	100	120	97	117	104	119	100	116	103	115	99·7	113·9	15
16	93	116	100	119	103	116	100	119	97	116	103	115	100·2	114·0	16
17	87	113	100	118	94	114	100	120	97	114	102	112	97·3	113·1	17
18	91	113	97	115	97	116	100	113	98	116	100	111	96·4	111·5	18
19	92	112	95	111	104	109	100	113	98	111	100	111	97·5	109·3	19
20	96	110	100	112	100	111	105	111	96	110	98	112	98·0	108·4	20
21	97	108	96	110	98	113	104	109	95	111	96	111	97·6	108·3	21
22	95	107	96	109	94	114	103	108	97	108	91	109	97·2	108·0	22
23	96	109	96	110	100	116							97·1	108·0	23

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of NOVEMBER 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour. Mauritius Standard Time.	1d.	11d.	12d.	13d.	20d.	Hour. Mauritius Standard Time.
	points.	points.	points.	points.	points.	
Midnight	4	5	5	5	4	Midnight
1h	3	6	5	5	4	1h
2	5	7	5	5	4	2
3	5	6	4	4	5	3
4	5	5	4	6	5	4
5	6	5	9	5	5	5
6	6	4	5	4	5	6
7	7	4	5	3	5	7
8	4	7	10	7	11	8
9	9	8	13	6	12	9
10	6§	11	8	6	8	10
11	26**	11	10	6	10	11
Noon	19	13	14	5	12	Noon
13h	22	10	13	30**	11	13h
14	23	11	11	6*	13	14
15	24	11	10	7	12	15
16	21	11	13	9	11	16
17	11**	11	30**	8	31**	17
18	6	9	23	7	25	18
19	4	10	25	6	28	19
20	5	9	25	7	2*	20
21	4	9	8*	6	6	21
22	4	9	7	6	4	22
23	4	5	6	6	5	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of Three HOURS between 0h. and 21h. during the MONTH of NOVEMBER 1915.

Day of the Month.	9ins.								6ins.								3ins.							
	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1d	85·7	85·3	84·7	83·4	83·0	83·5	85·0	85·4	85·3	84·2	83·1	81·7	81·9	84·2	86·1	85·9	85·3	81·6	79·5	79·5	84·6	90·8	89·5	86·7
2	85·1	84·5	84·0	83·0	82·7	83·1	83·9	84·5	84·4	83·2	82·4	81·3	81·6	83·7	85·0	84·6	83·1	80·8	79·6	80·4	84·3	89·3	88·8	84·6
3	84·0	83·5	82·9	82·1	81·5	81·9	82·6	83·3	82·5	81·9	80·9	80·1	80·3	82·0	83·7	83·7	80·5	78·9	77·5	78·2	82·1	88·1	88·2	84·3
4	83·3	82·5	82·0	81·4	81·1	82·2	83·3	84·1	82·1	81·0	80·2	79·7	80·4	84·1	84·6	83·9	80·3	78·5	77·3	78·4	85·1	90·0	88·3	84·9
5	84·1	83·3	82·6	81·8	81·5	82·2	83·7	84·4	84·3	81·8	80·8	80·0	80·6	83·4	84·9	84·8	82·0	78·9	78·7	78·4	85·1	90·4	89·7	84·5
6	84·0	83·5	82·4	81·7	81·1	81·7	83·1	83·8	82·8	81·8	80·0	79·1	79·8	81·9	84·3	84·1	80·6	78·0	75·2	76·9	82·0	88·4	88·6	85·0
7	83·7	83·4	82·4	81·7	81·1	81·9	83·5	84·4	82·2	81·6	80·5	79·5	79·7	83·4	85·8	85·6	80·3	78·9	76·6	77·6	80·7	92·7	91·4	87·4
8	84·6	83·8	83·1	82·3	81·9	82·0	82·4	82·5	84·1	82·9	81·7	80·7	80·9	81·7	82·2	81·7	82·9	80·8	78·6	79·2	81·6	83·7	82·4	80·2
9	81·9	81·0	80·5	79·9	79·7	80·5	82·0	83·0	80·5	79·6	78·4	78·0	78·6	81·5	83·9	83·9	77·7	76·6	74·6	76·7	82·0	89·5	89·4	85·0
10	83·4	82·5	81·9	81·4	81·0	81·1	82·1	83·0	82·8	81·3	80·4	79·7	79·8	81·7	83·9	83·8	81·2	78·8	77·5	77·9	81·1	88·7	88·8	85·0
11	83·0	82·4	81·8	80·9	80·7	81·3	82·6	83·1	82·6	81·1	80·2	79·1	79·7	82·0	83·4	83·0	80·8	78·2	76·8	77·7	82·9	87·0	86·6	82·9
12	83·0	82·2	81·4	80·7	80·3	80·7	81·1	82·0	81·6	80·5	79·1	78·4	79·1	80·9	81·3	81·9	78·4	76·5	74·8	76·0	81·9	85·4	85·2	82·2
13	82·2	81·3	80·6	79·8	79·5	79·8	80·6	81·0	81·0	79·3	78·1	77·1	77·8	79·7	80·6	80·5	78·7	75·1	73·2	75·1	80·7	82·6	82·5	79·7
14	80·7	80·3	79·2	79·2	79·1	80·2	82·1	83·6	80·5	78·3	77·7	77·1	78·3	81·8	84·6	84·7	76·5	75·3	74·5	76·6	82·5	92·6	91·2	86·9
15	83·4	83·0	82·4	81·8	81·4	81·8	83·4	84·2	83·6	82·3	81·5	80·6	80·9	83·3	85·8	85·5	83·3	80·7	79·2	79·1	83·1	91·6	90·4	87·2
16	83·9	83·6	82·6	82·0	81·5	82·1	83·4	84·4	83·6	82·7	81·1	80·5	80·8	83·8	85·6	85·5	82·4	80·3	78·2	78·6	83·5	91·3	91·3	86·8
17	84·6	83·8	83·2	82·4	81·9	82·9	84·2	85·2	84·3	82·8	81·9	80·8	81·7	85·2	86·7	86·3	83·0	80·5	78·9	79·5	87·3	93·9	92·1	87·4
18	84·0	84·6	83·8	83·5	83·1	84·1	85·5	86·5	83·6	83·9	82·7	82·4	83·1	86·3	88·3	88·0	83·5	82·3	80·5	82·1	87·2	95·8	94·6	89·9
19	86·6	85·7	85·2	84·3	84·0	84·6	86·0	87·1	86·4	85·0	83·9	82·9	83·6	86·3	88·9	88·6	85·6	83·2	81·6	82·4	86·7	95·3	95·0	90·4
20	87·1	86·4	85·5	84·8	84·4	84·8	86·2	86·4	86·9	85·4	83·9	83·1	86·9	86·2	87·2	86·8	85·8	83·0	80·4	82·0	83·9	92·0	89·2	86·9
21	85·9	85·2	84·5	83·4	82·9	83·3	85·0	86·0	84·4	83·5	82·5	81·5	81·9	84·5	87·3	87·1	81·5	79·9	78·3	79·0	83·4	92·9	93·1	88·4
22	85·6	84·4	84·6	83·7	83·3	84·0	84·0	86·7	85·5	84·4	83·0	81·9	82·6	85·8	85·8	88·6	84·2	81·6	79·2	80·5	85·6	95·6	95·6	90·4
23	86·9	86·2	85·6	84·9	84·5	84·7	86·0	87·1	86·5	85·3	84·3	83·4	83·9	86·3	88·9	88·8	85·1	83·1	81·7	82·2	86·6	94·6	95·5	90·0
24	87·3	86·5	85·8	85·1	84·7	85·4	87·0	87·8	86·9	85·7	84·6	83·6	84·5	86·8	89·4	89·1	85·1	83·6	81·8	82·6	87·6	95·2	93·8	90·5
25	87·6	86·9	85·5	85·0	84·6	85·2	86·8	87·7	87·2	85·5	83·9	83·3	83·8	87·8	89·5	89·3	85·7	82·5	80·3	81·4	86·9	96·3	95·2	91·3
26	87·7	87·3	86·6	85·9	85·4	85·8	86·9	87·9	87·0	86·5	85·5	84·4	84·6	86·7	89·0	88·9	87·4	84·9	82·8	82·9	86·4	94·2	94·4	90·0
27	87·4	86·9	87·1	85·4	85·0	85·5	86·5	87·1	86·3	85·7	84·4	83·6	84·1	86·1	87·8	87·2	86·5	83·0	81·1	81·9	86·0	92·0	90·8	86·8
28	86·9	86·1	85·6	85·0	84·4	84·4	85·3	85·8	86·2	84·7	83·8	83·3	83·3	84·3	86·4	86·1	84·2	82·0	81·0	80·8	83·4	88·9	88·9	85·7
29	85·7	85·1	84·5	83·7	83·3	84·0	85·4	86·5	84·8	83·6	82·7	81·5	82·4	85·2	87·9	87·8	82·4	80·5	78·9	79·4	84·4	93·8	93·6	88·7
30	86·6	86·0	85·5	84·7	84·5	84·7	86·3	86·9	86·0	85·0	84·0	83·1	83·8	86·4	88·4	88·1	83·8	82·0	80·6	81·5	85·6	93·7	92·3	88·9
Mean	84·90	84·27	83·62	82·86	82·46	83·01	84·22	85·08	84·23	83·04	81·92	81·07	81·70	84·12	85·93	85·82	82·58	80·33	78·63	79·49	84·14	91·38	90·54	86.62

* Direct. ** Retrograde. § One complete revolution, retrograde, between 9h and 10h.

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of NOVEMBER 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.			River System No. 4.			River System No. 5.			
	Grand Gaube. §	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte.*	Riche Fund.	Constance d'Arifat. §	St. Julien. P.O.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
Nov. 1d		...	...	...	...	...	...		...	0·70	...	...	...	...	...	...
2		...	...	...	0·05	0·29	...		...	1·80	0·19	0·10	0·47	0·50	0·19	0·32
3		0·05	...	0·14	...	0·22	0·52		...	0·34	0·48	0·04	0·81	0·50	0·15	0·03
4		0·10	...	0·27	...	0·27	0·24		...	0·07	0·19	0·28	0·18	...	0·11	...
5		...	...	...	...	...	...		0·05	...	0·04	...	...	...	...	...
6		...	...	...	...	...	...		...	...	...	...	...	...	...	...
7		...	...	...	...	...	...		0·05	0·15	...	...	...	...	...	0·12
8		...	0·10	...	0·05	...	0·04		0·38	0·20	...	...	0·05	...	...	...
9		0·05	...	0·18	0·07	0·49	0·38		0·08	...	0·15	...	0·26	0·37	...	...
10		...	...	...	0·03	...	...		...	..	...	...	...	...	...	...
11		...	...	...	...	...	...		...	...	...	...	...	...	...	...
12		0·01	...	...	...	...	...		...	...	...	...	...	...	...	...
13		...	...	...	...	...	...		...	...	...	...	...	...	...	...
14		...	...	...	...	...	...		...	0·50	...	...	0·50	...	...	...
15		0·01	...	0·14	0·12	0·69	0·34		0·34	...	0·37	0·23	...	0·20	0·17	...
16		...	...	...	0·03	0·03	...		...	0·06	...	...	...	...	...	...
17		0·05	...	...	...	...	0·02		...	...	...	...	...	...	...	...
18		...	...	...	...	...	...		0·02	...	0·05	...	0·22	...	0·07	...
19		...	...	...	...	...	...		...	...	...	...	...	...	...	...
20		...	...	...	...	...	...		...	...	...	...	...	...	...	...
21		...	...	...	0·06	...	...		...	...	...	...	...	...	...	...
22		...	...	...	...	...	...		...	...	...	...	...	...	...	...
23		...	...	...	0·01	...	...		...	...	...	...	...	...	...	...
24		...	...	...	...	...	...		...	...	...	...	...	...	...	...
25		...	...	...	...	...	...		0·04	...	...	...	...	...	...	...
26		0·04	...	0·01	0·07	...	...		...	0·25	...	...	0·03	...	...	...
27		...	0·06	0·02	0·01	...	0·16		...	0·25	...	...	0·11	0·12	0·13	0·11
28		0·10	...	0·18	0·18	0·06	0·34		0·65	0·16	0·18	0·20	0·27	0·12	0·18	...
29		0·07	...	0·02	0·02	0·56	0·15		0·08	...	0·13	...	0·15	0·15	...	...
30		...	...	...	...	0·28	0·04		...	...	...	...	...	...	...	...
Total ...	...	0·48	0·16	0·96	0·70	2·89	2·23	...	1·69	4·48	1·78	0·85	3·05	1·96	1·00	0·58

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Daily fall not received.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of NOVEMBER 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarraque.* §	Beau Bois.	Bel Ombre. §	Chamarel.	Clarens. §	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp. §	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
Nov. 1d	...	...	..		...		...		...	...	...	...	...	0·29		...
2	0·08	0·46	0·85		0·44		0·15		...	0·22	1·10	...	...	1·34		...
3	0·18	0·54	1·05		0·23		0·24		...	0·31	1·82	0·10	0·07	0·33		...
4	0·03	0·48	0·15		0·12		0·03		...	0·07	0·26	...	0·03	...		...
5	...	...	...		...		...		...	...	...	...	0·02	...		...
6	...	...	...		...		...		...	...	...	...	...	...		...
7	...	...	...		...		...		...	...	...	...	...	...		...
8	0·02	...	0·10		0·04		...		...	0·06	0·08	...	0·03	0·07		...
9	0·07	0·61	0·20		0·45		...		...	0·09	0·19	...	0·05	0·34		...
10	...	0·06	0·50		...		...		...	...	0·05	...	0·01	...		...
11	...	...	...		...		...		...	...	...	...	...	...		...
12	...	...	...		...		...		...	...	...	...	...	...		...
13	...	...	...		...		...		...	...	...	...	...	...		...
14	...	...	...		...		...		...	...	...	...	...	0·54		...
15	0·05	0·09	...		0·09		...		...	0·22	0·23	0·25	0·17	0·02		0·08
16	...	...	...		...		...		...	...	0·11	...	0·03	...		...
17	0·01	0·04	0·07		0·02		...		...	...	0·03	...	...	...		...
18	...	0·05	0·18		...		...		0·63	...	0·04	...	0·01	...		...
19	...	...	...		...		0·43		...	0·79	...	...	0·01	...		...
20	...	...	...		...		...		...	...	1·70	0·19	0·01	0·08		...
21	...	...	...		...		...		...	...	...	...	...	...		...
22	...	...	...		...		...		...	...	...	...	0·01	...		...
23	...	...	...		...		...		...	...	...	...	...	0·04		...
24	..	...	...		0·05		...		...	...	...	...	...	...		...
25	...	...	...		...		...		...	0·01	...	...	0·01	0·05		...
26	...	...	0·07		...		...		...	0·06	0·07	...	0·02	0·14		...
27	0·03	0·58	0·16		0·08		0·04		...	0·16	0·18	0·11	0·03	0·43		0·06
28	0·17	0·41	...		0·26		0·02		...	...	0·33	...	...	0·19		0·06
29	0·02	0·52	...		0·17		...		0·15	...	0·10	...	0·19	...		0·03
30	...	...	...		...		...		...	...	0·10	...	0·03	0·02		...
Total ...	0·66	3·84	3·33	...	1·95	...	0·91	...	0·78	1·99	6·39	0·65	0·73	3·88	...	0·23

* Residence. § Record not received.

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
NOVEMBER 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending. \ Day.	1d.	3d.	7d.	8d.	9d.	10d.	14d.	15d.	16d.	20d.	21d.	26d.	27d.	28d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	...	·005	...	...	...	·020	...	...	...	...	...
2	...	...	...	...	...	·005	...	·065	·005	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	·015	...	...
4	...	...	...	...	...	·005	...	·010	...	...	...	·005	...	·165
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	·005	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	·005	...	...	...	...	·005	...	...	...
10	...	...	...	·005	...	...	...	...	...	...	...	...	...	...
11	...	...	...	·020	...	...	...	...	...	...	...	...	...	...
Noon	...	·015	...	...	...	...		...	...	...	...	...	...	...
13h	...	...	...	...		...	...	...	...	...	...	...	...	...
14	...	...	...	·005	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	·025	...	...	...	...	...	·070	...	...	...	...
18	...	...	...	·005	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	..	..	...	...	...	·015	...	...	...	...
20	...	...	...	...	...	...	·020	...	...	...	...	...	·010	...
21	·010	...	...	...	...	...	·010	...	...	...	...	...	...	...
22	...	...	...	...	...	...	·005	...	...	...	...	...	...	...
23	...	...	·005	...	...	...	...	...	...	...	...	...	...	·010
Midnight	...	...	...	...	...	...	..	·010	...	...	...	...	...	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1d.	3d.	8d.	16d.	23d.	26d.	27d.	28d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	...	..	...	...	...	...
2	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	·02
8	...	...	·10	·02	...	...	...	...
9	...	·01	...	...	...	...	...	·02
10	...	...	...	...	...	...	·01	...
11	...	...	...	...	·01	...	...	...
Noon	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	·01	...
15	...	...	...	...	·02	...	...	...
16	...	·01	...	...	...	...	·01	...
17	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	·01	...
19	...	·04			...	...	...	...
20	...	...	...	·01	...	·02	...	...
21	...	...	...	...	...	...	...	...
22	...	...	...	.	...	...	...	...
23	...	...	...	...	...	...	...	·01
Midnight	·08	...	...	...	...	...	...	·01

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of NOVEMBER, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche* ...	20	0·65	...	4
	2	Union §	200	...	...	...
	3	St. Antoine ...	50	0·48	1·48	9
	4	Bel Mont	50	0·48	1·51	4
	5	Poudre d'Or ...	20	0·65	1·46	5
	6	Poudre d'Or Hospital	10	0·00	1·16	...
	7	Mon Loisir (R) ...	300	0·62	1·30	3
	8	Mon Loisir (S.E.) ...	300	0·80	1·83	6
	9	Forbach	300	0·41	0·60	4
	10	Labourdonnais ...	290	0·16	1·91	2
	11	Beau Séjour ...	300	0·96	2·57	8
	12	Mont Piton ...	860	1·57	2·63	10
	13	Mon Choix... ...	700	0·46	2·11	2
	14	Antoinette	640	1·22	2·26	9
	15	California	850	0·44	2·69	3
	16	Nouvelle Découverte	1,400	2·89	1·91	9
	17	Mon Songe... ...	620	1·65	2·79	9
	18	La Grande Rosalie ...	643	0·69	2·83	4
	19	The Mount ...	325	1·32	2·24	8
	20	Botanic Gardens ...	225	0·70	2·15	12
	21	Beau Plan ...	195	0·77	1·47	5
	22	The Observatory ...	179	0·64	1·74	14
	23	Solitude	175	0·42	0·25	3
	24	St. André ...	90	0·25	0·35	1
	25	Belle Vue Harel ...	350	0·44	0·99	3
	26	Mont Choisy ...	10	0·34	0·75	3
	27	Belle Vue Pilot* ...	...	0·61	...	5
	28	Petite Rosalie * ...	...	1·28	...	9
2&3	1	Union (Régnard) ...	600	2·02	2·86	15
	2	La Grande Retraite*	350	1·84	2·25	7
	3	Constance d'Arifat...	100	...	...	...
	4	St. Julien P.O.* ...	1,050	1·69	...	8
	5	Rich Fund* ...	600	2·23	...	10
	6	Constance (Manès)*	...	1·47	...	29
	7	Queen Victoria* ...	...	2·07	...	7
	8	Belle Mare ...	...	0·99	0·96	5
	9	Constance La Gaieté*	...	1·05	...	6
4	1	Sans Souci	900	4·48	5·31	11
	2	Etoile	400	1·78	3·77	9
	3	Beau Champ ...	20	0·85	1·67	5
	4	Belle Rive * ...	400	2·04	...	11
	5	Olivia	400	1·67	2·59	8
	6	Deep River* ...	350	1·75	...	6
5	1	Rose Belle* ...	850	3·05	...	11
	2	Cent Gaulettes§ ...	500	...	...	...
	3	St. Hubert * ...	400	3·29	...	9
	4	Riche-en-Eau ...	460	1·96	3·34	7
	5	Ferney	20	1·00	3·33	7
	6	Beau Vallon (R) ...	60	0·58	2·58	4
	7	Union Vale... ...	200	1·40	1·61	5
5 (cont.)	8	Mon Désert(Carié)...	75	0·67	1·29	7
	9	Riche Bois * ...	1,420	2·40	...	30
	10	Cluny	1,000	3·65	5·74	12
	11	Virginia Estate* ...	...	0·57	...	8
6	1	Kanaka	2,000	5·50	3·78	13
	2	Tivoli ...	1,300	4·61	3·05	12
	3	La Flora*	1,050	3·33	...	10
	4	Britannia (No. 1)...	730	3·84	3·39	11
	4 a	Britannia (No. 2)*	600	0·42	...	8
	5	Gros Bois	500	2·00	4·06	12
	6	Savannah (Residence)	200	0·54	2·58	3
	7	Savannah, (Mill) ...	200	0·98	1·89	6
	8	St. Aubin	300	0·66	2·99	10
	9	Union Bel Air ...	90	1·07	2·58	5
	10	Beau Bois	350	1·95	3·75	11
	11	Labarracq § ...	250	...	...	...
	12	St. Avold * ...	900	3·63	...	9
	13	Terracine	100	0·38	1·32	5
7,8&9	1	Bel Ombre § ...	50	...	...	...
	2	Chamarel ...	400	0·91	1·30	6
10		No returns ...				
11	1	Les Gorges* ...	...	1·76	...	8
	3	Curepipe Gardens ...	1,840	3·05	4·82	12
	4	Mare-aux-Vacoas ...	1,850	6·39	4·91	16
	5	La Marie Filter Bed	1,700	2·67	2·19	15
	6	Réunion	1,420	1·99	3·33	10
	7	Tamarin *	150	0·78	...	2
	8	Clarens §	150	..	...	...
	9	Les Salines (B. R.) *	...	0·40	...	5
12	1	The Manse ...	850	0·46	1·49	2
	2	The Bower ...	1,080	0·85	2·08	11
	3	Le Réduit (D.of A.)	1,000	0·73	2·32	18
	4	Alma	1,460	3·88	4·60	14
	5	Minissy *	1,150	1·03	...	6
	6	Bagatelle ...	1,250	1·47	2·96	12
	7	Highlands * ...	1,300	2·48	...	12
	8	Trianon	950	0·94	2·13	9
	9	Salency	923	0·65	1·99	4
	10	Military Camp (V.)§	1,370	...	...	...
	11	La Ferme * ...	350	0·23	...	4
	12	Bon Air	1,050	0·96	2·11	5
	13	Val Ory	1,100	1·02	1·86	13
	14	Pieter Both (Este.)*	...	2·41	...	6
	15	Roslyn Cot. (Este.)*	...	1·62	...	6
	16	Agrément (Estate) *	...	1·67	...	6
	17	Circonstance (Ete.)*	...	2·44	...	6
13	1	Salines(Roche Bois)§	10	...	...	...
	2	The Albion Dock ...	18	0·46	0·91	3
	3	Line Barracks§ ...	10	...	...	...

* Normals not available § Record not received 4 a Bon Acceuil.

196

New Series (Monthly). Vol. I. Part 12. Price R. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(Latitude 20°5′39″ S.—Longitude 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER, 1915.

A. WALTER, F. R. A. S.

Director.

LIBRARY
APR 20 1916
Weather Bureau

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1916.

NEW SERIES (MONTHLY). VOL. I. PART 12. PRICE R. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39″ S.—LONGITUDE 3h 50m 12s·6 E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER, 1915.

A. WALTER, F. R. A. S.

DIRECTOR.

LIBRARY
APR 20 1916
Weather Bureau

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1916.

TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1915.

Month and Day. 1915.	Barometric Pressure. Mean	Barometric Pressure. Excess above Average.	Temperature of the Air. Highest.	Temperature of the Air. Lowest.	Temperature of the Air. Range.	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity (Saturation=100). Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	ins.	in.	°	°	°	°	°	°	°	°			in.	°	ins.	mins.	in.	
Dec. 1	29·774	−·063	85·6	72·9	12·7	78·6	+2·1	73·2	69·4	+ 3·2	74	+ 3	·717	71·1	0·010	5	·430	5·5
2	29·815	−·020	84·3	73·8	10·5	78·3	+1·7	73·2	69·6	+ 3·3	75	+ 4	·722	72·6	0·110	65	·320	6·8
3	29·827	−·006	85·7	73·1	12·6	78·4	+1·7	71·1	66·0	− 0·4	66	− 5	·638	70·4	0·000	...	·350	6·0
4	29·817	−·014	85·5	71·5	14·0	78·0	+1·2	70·5	65·2	− 1·3	65	− 6	·621	69·2	0·000	...	·380	4·4
5	29·847	+·019	84·5	72·3	12·2	77·7	+0·8	70·6	65·5	− 1·1	66	− 5	·627	66·7	0·065	30	·345	7·5
6	29·746	−·080	89·0	73·9	15·1	79·5	+2·5	71·8	66·6	− 0·1	65	− 6	·651	70·9	0·000	...	·390	5·2
7	29·731	−·093	85·5	74·6	10·9	78·2	+1·1	73·5	70·2	+ 3·4	77	+ 6	·737	72·0	0·400	70	·170	9·6
8	29·771	−·051	87·2	71·5	15·7	77·2	0·0	72·9	69·7	+ 2·7	78	+ 7	·725	67·1	0·130	65	·160	6·7
9	29·787	−·033	89·5	69·6	19·9	78·9	+1·7	72·2	67·5	+ 0·3	69	− 3	·672	64·8	0·000	...	·290	3·2
10	29·783	−·035	90·4	70·5	19·9	79·6	+2·3	73·8	69·6	+ 2·2	72	0	·722	65·2	0·000	...	·290	4·6
11	29·816	·000	87·4	75·3	12·1	80·0	+2·6	74·1	70·0	+ 2·5	72	0	·732	71·3	0·000	...	·210	8·6
12	29·848	+·035	82·5	69·6	12·9	74·9	−2·6	70·7	67·6	0·0	78	+ 6	·674	66·3	0·110	85	·120	10·0
13	29·855	+·044	82·5	69·4	13·1	75·4	−2·1	70·6	67·1	− 0·7	76	+ 4	·663	66·4	0·060	155	·190	8·3
14	29·833	+·024	86·5	73·7	12·8	78·7	+1·1	72·3	67·8	− 0·1	69	− 3	·679	70·9	0·020	10	·280	7·8
15	29·807	·000	86·2	72·6	13·6	78·2	+0·5	72·7	69·0	+ 1·0	74	+ 2	·707	68·8	0·145	10	·275	7·2
16	29·840	+·035	86·1	72·5	13·6	77·8	+0·1	72·6	68·9	+ 0·8	74	+ 2	·705	68·2	0·240	25	·070	7·5
17	29·855	+·052	85·2	72·9	12·3	78·2	+0·4	73·8	70·8	+ 2·6	78	+ 6	·752	70·4	0·450	45	·180	8·1
18	29·846	+·045	85·1	72·6	12·5	78·3	+0·5	72·2	67·9	− 0·4	70	− 3	·681	68·6	0·000	...	·310	5·7
19	29·820	+·021	85·9	72·3	13·6	78·3	+0·4	71·3	66·4	− 2·0	67	− 6	·647	69·4	0·050	5	·320	5·6
20	29·825	+·028	86·3	71·3	15·0	78·6	+0·7	71·4	66·4	− 2·1	66	− 7	·647	67·4	0·000	...	·320	6·3
21	29·847	+·052	85·7	69·6	16·1	77·6	−0·4	70·7	65·8	− 2·7	67	− 6	·634	59·9	0·000	...	·160	5·8
22	29·829	+·036	85·6	71·2	14·4	78·0	0·0	70·5	65·2	− 3·4	65	− 8	·621	66·9	0·020	35	·300	4·6
23	29·803	+·013	85·6	71·1	14·5	77·8	−0·3	69·4	63·5	− 5·2	62	−11	·585	64·3	0·000	...	·420	4·0
24	29·821	+·033	85·6	67·6	18·0	76·9	−1·2	68·8	63·0	− 5·8	62	−11	·575	62·5	0·000	...	·330	4·1
25	29·848	+·062	87·1	69·7	17·4	78·1	0·0	70·6	65·3	− 3·6	65	− 8	·623	63·9	0·000	...	·340	4·5
26	29·862	+·078	86·2	70·6	15·6	77·7	−0·5	71·2	66·5	− 2·5	69	− 4	·649	65·2	0·020	10	·380	5·1
27	29·841	+·058	86·5	71·4	15·1	78·4	+0·2	70·8	65·4	− 3·7	65	− 9	·625	67·4	0·000	...	·360	3·1
28	29·827	+·047	85·1	72·8	12·3	77·8	−0·4	70·6	65·5	− 3·7	66	− 8	·627	68·9	0·050	25	·320	7·6
29	29·809	+·031	86·5	72·3	14·2	78·7	+0·5	71·1	65·8	− 3·4	65	− 9	·634	66·9	0·010	10	·390	5·9
30	29·837	+·061	86·6	72·8	13·8	78·3	0·0	71·5	66·6	− 2·7	67	− 7	·651	68·8	0·025	20	·285	5·4
31	29·830	+·057	84·4	70·5	13·9	76·6	−1·7	71·9	68·4	− 1·0	76	+ 2	·693	68·3	0·245	75	·265	5·6
Mean	29·819	+·014	86·0	71·8	14·2	78·0	+0·4	71·7	67·2	− 0·7	69·7	−2·7	·666	67·8	Sum 2·160	Sum 745	·289	6·1
Average	29·805	...	85·8	71·1	14·7	77·6	...	71·9	67·9	...	72·4	...	·683	66·6	4·859	1472	·251	5·6
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Showing the Variations of the Meteorological Elements above or below normal during the month of December.

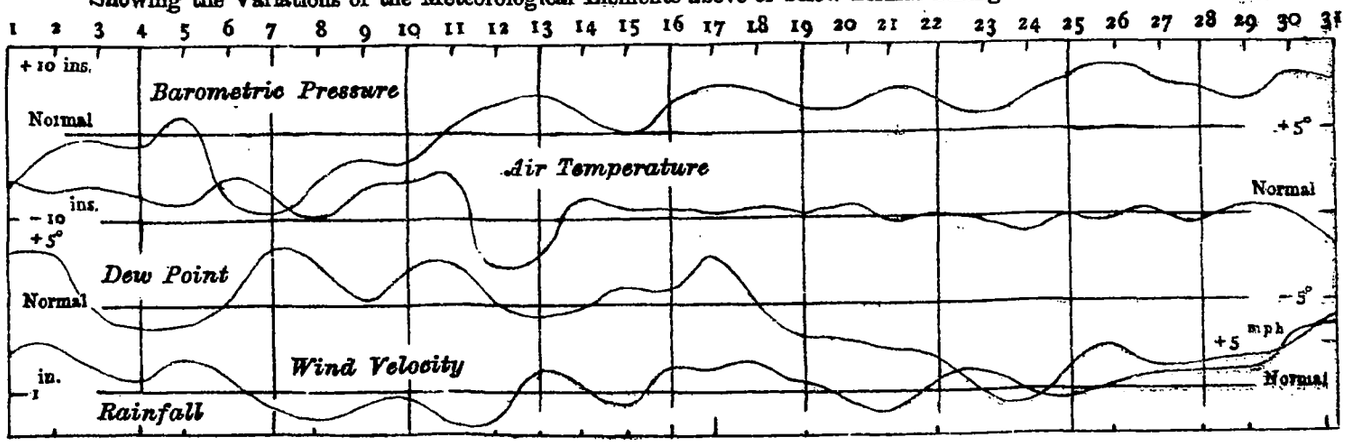


TABLE I.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1915.

Month and Day. 1915.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultants. Direction*.	Wind: Resultants. Velocity.	Wind: Excess above Average. Direction.	Wind: Excess above Average. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	9 inches.	6 inches.	3 inches	Weather.
	hrs.		m.p.h.	m.p.h.	°	m.p.h.	°	m.p.h.	m.p.h	m.p.h.	°	°	°	°	°	
Dec. 1	10·8	82	+ 1·6	+14·0	97	14·1	+ 11	+ 5·5	15·1	+ 4·4	76·7	78·6	86·14	86·16	86·92	f. : c. : c.p. : : c.
2	10·6	80	+ 3·5	+15·2	103	15·6	+ 16	+ 7·0	15·9	+ 5·2	77·1	78·8	86·30	86·18	86·40	c. : op.: c.q. : f.
3	10·9	83	+ 2·8	+12·1	103	12·4	+ 16	+ 3·8	13·0	+ 2·3	77·0	78·8	86·07	86·17	87·21	c. : c.q. : f.
4	11·4	86	+ 1·5	+11·8	98	10·9	+ 11	+ 2·3	12·3	+ 1·6	76·7	78·8	86·82	86·79	86·99	f. : c. : f. .f.q.: f.
5	9·4	71	+ 4·4	+12·6	109	13·3	+ 22	+ 4·7	13·8	+ 3·1	76·7	78·9	86·92	86·60	86·73	c.p.: c.q.: cp.: c.q.: c. : f.
6	8·0	61	+10·7	+ 4·4	158	11·6	+ 70	+ 3·0	12·2	+ 1·5	76·5	78·8	86·31	85·94	86·20	f. : c. : f.
7	1·2	9	+ 7·2	+ 1·1	171	7·3	+ 83	— 1·3	8·4	— 2·3	76·9	79·4	85·93	85·48	83·98	o. : c.p. : c g.
8	2·6	20	+ 4·0	+ 2·6	147	4·8	+ 59	— 3·8	7·1	— 3·6	76·9	79·1	84·29	83·71	81·27	o.p.: f.: c.p. : c.: f.
9	11·2	84	+ 6·7	+ 4·5	146	8·1	+ 58	— 0·5	8·7	— 2·0	77·0	79·3	83·47	83·21	82·58	b. : f. : b.
10	9·6	72	+ 8·4	+ 3·4	158	9·1	+ 69	+ 0·5	9·7	— 1·0	76·9	79·5	84·77	84·17	83·89	f. : c. : f.
11	1·9	14	+ 4·1	+ 4·9	130	6·4	+ 41	— 2·1	7·2	— 3·6	76·5	79·3	85·13	84·64	84·29	b.: c. : og.
12	0·0	0	— 3·7	+ 5·8	57	6·8	— 32	— 1·7	7·2	— 3·6	77·1	79·6	84·51	83·69	81·93	ogp. : og. : ogd. :og.
13	3·3	25	— 4·2	+12·5	71	13·2	— 19	+ 4·7	13·8	+ 3·0	77·0	79·4	82·36	81·51	80·27	ogp. : c. : f.
14	9·0	68	— 1·9	+11·6	81	11·7	— 9	+ 3·2	12·2	+ 1·4	77·0	79·3	82·80	82·67	83·53	f. : c. : ogplt.
15	8·8	66	+ 1·5	+ 8·3	100	8·4	+ 10	— 0·1	9·1	— 1·7	76·9	79·5	84·16	84·01	83·83	cl. : f. : c.p.
16	9·0	68	+ 1·5	+13·0	97	13·1	+ 6	+ 4·6	13·6	+ 2·8	77·1	79·8	84·08	83·78	83·68	c. : c.p.q : c. : c.p.
17	8·6	65	+ 2·8	+12·7	102	13·0	+ 11	+ 4·5	13·2	+ 2·4	76·9	79·5	83·82	83·45	81·92	o.p. : c. : c.p. : c.
18	11·8	89	— 0·2	+13·9	89	13·9	— 2	+ 5·4	14·0	+ 3·2	76·9	79·3	83·43	83·02	83·00	f. : b. : c.q. : f. : c.
19	11·5	86	+ 2·3	+11·0	102	11·2	+ 11	+ 2·7	11·7	+ 0·9	76·9	79·4	84·61	84·47	84·36	c. : f. : f.q. : f. :c.p.
20	10·5	79	+ 2·3	+ 9·9	103	10·2	+ 11	+ 1·7	10·6	— 0·2	77·1	79·8	85·62	85·58	85·44	f. : c. : f. : c. : f.
21	5·2	39	— 2·2	+ 3·2	56	3·9	— 36	— 4·6	8·3	— 2·5	77·0	79·8	85·51	84·73	83·36	c. : f.: c. : f.
22	10·9	82	— 5·0	+10·7	65	11·8	— 27	+ 3·3	12·1	+ 1·3	77·1	79·6	84·39	83·91	83·65	b. :f.: c. :f.q.: c.p.
23	12·3	92	— 4·3	+12·0	70	12·8	— 23	+ 4·3	13·0	+ 2·2	77·0	79·5	85·25	85·04	85·00	c. : f. : f.q. : f. : b.
24	11·3	85	— 0·7	+10·6	86	10·6	— 7	+ 2·1	11·2	+ 0·4	77·0	79·5	85·69	85·30	84·94	b. : f.
25	10·8	81	+ 0·4	+ 9·2	93	9·2	0	+ 0·7	9·6	— 1·2	77·1	79·6	86·40	86·16	86·72	f. : c. : f. : b.
26	7·4	56	+ 0·4	+11·4	92	11·4	— 1	+ 2·9	11·6	+ 0·7	77·1	79·6	86·61	86·28	85·70	c.p.: f. : c.p.: c. :f. : b.
27	11·2	84	+ 0·6	+12·1	93	12·1	+ 1	+ 3·6	12·8	+ 1·9	77·1	79·7	86·28	86·18	86·32	f. : c.d.: f. : b.
28	6·5	49	— 1·6	+12·3	82	12·4	— 10	+ 3·9	13·1	+ 2·2	77·1	79·7	86·57	86.47	86·56	f. : c.p.: c.q. : c.
29	9·6	72	— 2·8	+12·1	77	12·4	— 15	+ 3·9	12·9	+ 2·0	77·1	79·8	86·55	86·17	86·40	c. : c.p.: c. : c.q. f. : c.p.
30	8·8	66	— 5·9	+15·5	69	16·6	— 22	+ 8·1	16·9	+ 6·0	77·1	79·8	86·47	86·31	86·58	c.p.: f. : c. : f.q. : c.p.q.: c.q.: f.
31	8·6	65	— 6·3	+16·8	69	17·8	— 22	+ 9·3	18·8	+ 7.9	77·1	79·8	85·85	85·42	84·55	c.p.: c.q.p. : f.q. :c.q.p.:f.q
Mean -	8·47	63·8	+ 0·90	+10·04	95·1	10·08	+4·2	+1·55	11·91	+1·12	76·95	79·40	85·26	84·94	84·65	...
Average	8·30	62·5	+ 0·13	+ 8·53	90·9	8·53	...	...	10·79	...	76·29	78·31	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Pressure was much in defect until the 11th and in excess during the remainder of the month. The marked decrease from the 5th to the 11th was due apparently to the passage of V-shaped depression South of Mauritius.

A cyclonic disturbance occurred to the North of Madagascar passing down the Mozambique Channel on the 17th.

The low pressures were accompanied by high temperatures of air and dewpoint ; the period of high pressure coincided with a marked decrease in both these elements. Air temperature oscillated about normal from the 14th to the 31st, and dew point temperature remained much below normal from the 18th to the 31st.

Wind velocity was in excess on 21 days and was 1·12 miles per hour above normal in the mean for the month. The high S.E. velocities of the 26th to 31st during a period of N.W. winds over the equatorial region, gave rise to a cyclonic circulation on the 31st the track of which will be found on p. (xviii).

Soil temperatures decreased considerably between the 6th and the 18th but recovered steadily up to the end of the month.

The highest dew point temperature was 73°·7 at 7h. on the 17th ; and the lowest 60°·5 at 10h. on the 23th.

The highest relative humidity was 93·8 % at 14h. on the 6th ; and the lowest 43·5 % at 6h. on the 2nd.

Rainfall and relative humidity have again been much in defect except in the South Eastern districts. At the Observatory the former was 56% and the latter 2·7% below normal. The rainfall in the South Eastern districts occurred principally on two days (13th & 14th) so that although the fall was in excess the distribution was still defective. The percentage variation from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	53 % below normal
Eastern Districts	„ „ 2, 3, 4.	17 % below „
South-Eastern Districts	„ „ 5 & 6	9 % above „
Western Districts	River System 11	56 % below normal
	„ „ 12	49 % below „
	„ „ 13	72 % below „ (Jan. 18, 1916)

* South (0°) ; East (90°) ; North 180° ; (West) (270°).

TABLE II.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of DECEMBER 1915.

Month and Day. 1915.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Daily Range of. Horizontal Force (Unit 1 γ)	Daily Range of. Vertical Force. (Unit 1 γ)	List of Earthquakes. Register Number.	N.-S. Component. Time of. Prel. Tremors.	N.-S. Component. Time of. Maximum.	N.-S. Component. Time of. End.	N.-S. Component. Amplitude.	E.-W. Component. Time of. Prel. Tremors.	E.-W. Component. Time of. Maximum.	E.-W. Component. Time of. End.	E.-W. Component. Amplitude.	Remarks.
	° ′			′				h m	h m	h m	″	h m	h m	h m	″	
Dec. 1	9.44·1	·23220	·30795	6·0	23	47										
2	43·5	227	786	5·6	33	53										
3	43·0	223	793	4·6	38	26	1425	7. 5·3	7. 9·7	7.16·5	...	6.57·3	7. 6·8	7.17·5	...	
4	44·0	224	790	5·2	36	43										
5	43·5	226	782	5·2	20	43										
6	43·2	198	795	9·8	60	91										
7	44·7	173	808	10·2	57	52	1426	...	15.29·6	...	...	...	15·37·5	...	...	Faint movement.
8	43·5	188	795	9·8	19	53										
9	43·7	201	789	8·8	18	68										
10	43·9	217	789	8·4	27	55										
11	44·6	205	787	6·8	30	54										
12	43·9	205	788	6·6	36	51										
13	43·9	217	784	7·4	24	39										
14	44·2	214	778	6·8	60	45										
15	44·3	202	789	3·6	59	27										
16	44·7	194	788	6·0	39	31										
17	44·1	204	785	4·6	16	37										
18	44·1	208	784	5·4	21	19										
19	44·5	215	780	6·4	24	56										
20	44·3	222	776	5·4	37	42										
21	44·3	219	776	7·0	12	49										
22	43·7	227	769	6·8	36	43										
23	44·3	221	768	6·0	19	40										
24	44·5	222	773	6·0	36	26										
25	44·6	221	762	6·4	26	39										
26	43·8	211	767	6·4	61	15										
27	44·5	210	764	10·4	21	43										
28	43·6	220	764	8·4	20	26										
29	44·1	218	759	6·0	27	30										
30	44·0	216	762	5·2	28	9										
31	43·3	220	760	4·6	31	20										
Mean	9.44·01	·23212	·30780	6·63	32·1	41·0	...	...	...	...	...	...	...	...	...	...

Where no amplitude is given the registered movement was slight.

TABLE III.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of DECEMBER 1915.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Horizontal Force (C.G.S. Unit). Observed Value.	Dip (South). Day and Hour.	Dip (South). Observed Value.	MAGNETIC DISTURBANCES. Element.	Time of. Beg:	Time of. End.	Time of. Max:	Time of. Min:	Total Range
d h m	° ′	d h m		d h m	° ′		d h m	d h	d h m	d h m	
Dec. 6. 8.55	9.45·97	Dec. 6. 9.32	·23239	Dec. 1.11.22	52.55·7	Hor. Force	6. 4	8.0	6.12	6.18.40	163γ
13.37	9.38·05	12.42	·23261	4.10.50	52.55·3	Declination	6.12	7.8	7. 7	6.15½	12′·8
15. 7·31	9.42·16	15. 8.49	·23220	9.10.33	52.59·2						
13.36	9.43·36	12.51	·23209	11.10.33	52.59·2						
22. 8.56	9.46·58	22. 9.37	·23229	16.10.40	52.58·2						
13.45	9.39·72	13. 1	·23243	18.10.36	52.57·3						
27. 8.18	9.47·51	27. 9.18	·23227	23.10.57	52·56·9						
13.15	9.40·81	12·56	·23225	28.11. 7	52.55·1						

TABLE IV.—BAROMETRIC PRESSURE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature : they are not reduced to sea level nor to gravity of Latitude* 45°. *The cistern of the barometer is* 181 *feet above mean sea-level.*)

DECEMBER 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	ins. 29·000 +																
Midnight	756	806	855	835	824	806	751	771	806	816	796	835	876	876	826	826	Midnight
1h	756	794	847	813	806	781	736	761	792	795	792	816	836	861	816	811	1h
2	745	777	828	804	788	765	726	751	776	786	786	796	816	846	801	806	2
3	735	776	808	800	775	752	706	741	770	774	785	794	811	824	792	805	3
4	735	778	812	802	777	744	705	736	765	766	786	801	826	829	786	805	4
5	746	789	811	808	790	754	706	746	771	769	796	806	826	834	796	811	5
6	756	806	826	820	806	757	716	766	785	786	806	816	841	841	806	826	8
7	778	806	845	826	820	758	719	786	796	800	816	818	866	846	813	836	7
8	777	817	846	835	825	775	735	794	804	794	830	835	861	846	819	851	8
9	785	830	853	836	834	765	741	790	805	796	836	845	871	848	824	854	9
10	786	840	844	836	829	766	741	787	799	790	836	846	872	847	819	852	10
11	776	826	836	829	823	756	746	779	787	782	824	847	867	844	813	847	11
Noon	776	824	822	818	818	738	738	777	778	768	815	837	863	826	806	843	Noon
13h	769	799	809	805	804	719	719	759	768	758	815	828	854	814	797	839	13h
14	756	799	796	798	797	718	702	750	755	756	812	827	850	800	787	830	14
15	739	787	783	783	778	700	698	738	750	741	800	828	830	799	784	829	15
16	739	792	789	781	778	699	698	736	749	742	791	839	828	792	779	824	16
17	763	796	803	788	783	703	701	741	758	750	798	858	828	798	788	837	17
18	782	808	827	808	795	720	718	766	778	767	818	868	848	813	797	848	18
19	807	832	835	826	807	732	737	782	796	797	837	897	877	822	807	860	19
20	817	845	848	837	815	747	752	797	816	807	847	917	887	847	817	865	20
21	826	856	853	845	826	755	771	812	825	821	851	941	893	855	826	873	21
22	824	872	846	849	828	761	781	814	829	826	856	926	896	853	836	878	22
23	816	869	846	840	821	756	780	816	826	821	846	906	891	846	836	873	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. \ Hour.
	ins. 29·000 +																
Midnight	875	875	862	847	878	858	846	838	851	885	877	854	834	831	848	836	Midnight
1h	865	868	850	831	868	848	825	828	838	870	857	828	810	817	837	821	1h
2	848	858	830	826	851	832	819	826	838	866	840	825	796	816	827	810	2
3	838	846	809	819	833	828	809	815	832	848	829	820	787	813	806	799	3
4	838	842	807	818	832	835	807	818	833	851	828	824	787	823	812	800	4
5	843	847	810	819	838	843	804	823	834	855	838	837	797	838	824	807	5
6	862	856	827	828	847	848	806	828	848	865	857	848	817	848	836	819	8
7	872	865	837	837	867	852	810	848	852	869	864	858	827	858	851	829	7
8	878	874	840	836	873	852	814	844	848	877	859	865	828	858	856	834	8
9	881	863	840	838	873	851	807	835	850	869	858	847	828	847	857	834	9
10	878	858	838	833	868	845	807	827	853	873	848	834	826	836	853	831	10
11	873	847	823	822	856	830	786	819	846	858	837	821	815	830	845	822	11
Noon	859	832	817	809	848	823	785	807	837	859	831	815	808	828	838	814	Noon
13h	844	820	802	792	829	817	777	795	829	849	818	808	794	812	811	802	13h
14	819	809	795	783	819	798	776	784	818	839	808	798	777	809	804	793	14
15	812	798	778	773	812	780	762	770	809	825	798	788	768	806	789	782	15
16	809	791	771	775	815	778	755	777	808	832	799	785	774	805	793	781	18
17	819	804	778	788	824	784	761	784	821	838	809	791	782	820	793	790	17
18	835	826	795	808	829	799	780	799	838	853	828	810	789	839	810	806	18
19	857	838	811	834	846	818	807	826	858	866	849	828	812	858	826	825	19
20	867	861	826	849	853	829	820	832	878	872	856	831	827	876	835	838	20
21	876	876	835	868	857	844	835	854	899	884	864	844	841	876	845	849	21
22	887	875	853	878	860	857	846	856	907	892	871	847	849	880	867	852	22
23	886	875	856	879	867	857	844	857	900	888	868	837	847	867	848	851	23

TABLE V.—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

DECEMBER 1915.

Day. / Hour.	1d. Air.	1d. Evaporation.	2d. Air.	2d. Evaporation.	3d. Air.	3d. Evaporation.	4d. Air.	4d. Evaporation.	5d. Air.	5d. Evaporation.	6d. Air.	6d. Evaporation.	7d. Air.	7d. Evaporation.	8d. Air.	8d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	74·4	71·9	76·0	73·1	75·4	71·5	73·5	69·9	76·3	71·6	74·8	69·6	76·4	72·2	74·5	72·7	Midnight
1h	74·5	72·0	76·1	73·2	75·5	71·6	73·0	69·8	73·5	71·2	74·7	69·7	76·5	72·2	74·5	72·3	1h
2	74·5	72·2	76·3	73·4	75·4	71·7	73·5	70·0	73·7	71·8	74·6	69·8	76·6	72·5	74·0	72·1	2
3	74·3	72·2	76·3	73·6	75·0	71·2	73·0	69·1	74·0	71·2	74·6	69·9	76·2	72·4	74·1	72·2	3
4	73·7	72·1	75·4	73·3	74·8	71·2	71·5	68·2	72·4	69·6	74·4	69·9	76·0	72·5	73·1	71·3	4
5	73·7	71·9	74·6	72·9	74·6	71·0	72·2	69·5	73·4	70·2	74·0	69·9	76·0	72·3	72·4	70·5	5
6	75·0	72·5	73·8	72·7	75·4	71·2	72·5	69·0	74·5	70·2	74·5	70·0	77·0	73·0	72·6	71·0	6
7	78·0	74·0	75·8	73·0	77·5	71·2	76·0	70·0	74·5	71·3	77·5	71·9	77·6	72·5	74·0	72·5	7
8	81·2	74·0	78·1	73·9	78·0	71·6	79·4	70·3	78·5	71·2	79·6	71·9	78·0	74·3	74·2	72·0	8
9	83·4	75·0	80·4	74·8	80·5	71·5	81·5	70·0	79·5	71·0	82·0	72·4	80·0	74·0	76·0	72·9	9
10	82·2	74·5	82·0	75·0	82·5	72·1	82·8	70·1	81·7	71·0	81·0	72·6	81·5	73·0	78·5	74·0	10
11	84·5	74·9	82·5	75·0	83·0	71·9	82·5	70·5	82·0	71·0	83·0	73·2	77·5	74·0	82·2	74·9	11
Noon	84·7	75·2	82·5	75·0	85·0	72·2	84·0	70·6	82·5	71·3	85·5	73·0	76·4	74·2	83·2	75·0	Noon
13h	81·5	76·3	83·6	75·3	85·0	72·5	84·8	71·5	82·7	71·0	86·5	73·2	81·0	75·3	86·5	76·0	13h
14	82·3	74·1	83·4	75·0	85·1	71·9	84·0	71·9	83·0	70·5	88·5	73·5	84·7	76·2	86·0	75·4	14
15	83·0	74·0	82·9	74·0	84·5	72·0	84·0	72·7	82·0	71·2	86·5	73·5	83·4	75·1	83·0	75·0	15
16	83·5	72·2	81·2	71·9	82·5	71·0	82·5	71·4	82·1	70·9	83·5	73·0	82·0	74·0	81·4	74·0	16
17	80·5	73·0	80·4	71·9	81·5	70·6	79·5	71·3	80·5	70·5	82·4	72·3	80·5	73·6	80·5	73·8	17
18	78·7	72·2	78·4	71·6	79·0	70·3	78·5	71·0	78·4	70·1	80·5	72·2	79·9	74·2	78·8	73·1	18
19	77·4	72·3	76·7	71·9	76·5	70·0	77·0	71·0	76·8	69·9	78·8	72·1	78·7	74·0	77·4	72·9	19
20	76·4	72·3	76·2	71·7	75·3	70·0	76·4	70·9	76·7	70·2	77·9	72·1	77·9	73·9	76·3	72·9	20
21	76·3	72·7	75·7	71·7	74·4	70·1	76·1	70·6	75·6	69·2	77·2	72·0	75·4	73·1	74·8	72·1	21
22	76·5	73·0	75·5	71·6	73·6	69·8	76·4	71·0	75·5	69·3	77·1	72·2	74·7	73·0	74·0	71·0	22
23	76·0	73·0	75·2	71·5	73·3	69·8	76·3	71·3	74·8	69·1	77·1	72·4	74·7	73·0	72·3	69·9	23

Day. / Hour.	9d. Air.	9d. Evaporation.	10d. Air.	10d. Evaporation.	11d. Air.	11d. Evaporation.	12d. Air.	12d. Evaporation.	13d. Air.	13d. Evaporation.	14d. Air.	14d. Evaporation.	15d. Air.	15d. Evaporation.	16d. Air.	16d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	73·5	71·2	73·2	70·9	76·0	73·5	76·1	73·0	70·3	66·1	74·0	70·0	74·0	72·3	74·5	70·8	Midnight
1h	72·7	70·2	72·1	69·7	75·6	73·3	75·5	73·6	69·4	66·5	73·9	70·0	73·8	72·1	74·5	71·0	1h
2	71·6	69·1	71·3	69·2	75·5	73·3	74·3	72·4	70·6	68·0	73·9	70·1	73·5	71·8	74·6	71·2	2
3	71·5	69·1	71·0	69·6	75·7	73·7	74·4	72·1	71·3	69·1	74·1	70·2	73·4	71·8	73·4	70·6	3
4	70·1	68·3	72·5	71·1	75·7	73·6	74·2	72·3	71·3	69·6	74·1	70·4	73·2	71·8	73·4	70·8	4
5	70·1	68·1	72·2	70·6	75·8	73·4	74·1	71·9	71·4	69·0	74·1	70·3	72·7	71·1	73·4	71·2	5
6	70·9	68·8	71·8	70·0	76·3	73·9	74·0	72·0	73·0	70·5	74·2	71·0	73·0	71·1	72·8	70·6	6
7	76·5	72·5	76·5	74·4	79·9	75·0	75·7	72·8	74·8	71·1	76·0	72·0	78·0	74·1	77·2	73·5	7
8	78·5	73·0	79·5	74·6	82·6	75·0	77·1	73·1	76·5	72·1	79·8	73·0	80·0	74·5	79·4	74·0	8
9	82·5	73·5	82·5	75·2	83·0	75·0	78·2	73·1	78·5	72·5	82·5	73·0	79·8	76·0	81·5	74·2	9
10	83·0	73·5	84·4	75·7	84·8	74·9	80·2	73·2	77·9	73·0	83·5	73·5	82·5	75·4	82·8	74·1	10
11	84·5	73·9	85·0	75·9	86·1	75·1	81·2	73·2	81·0	74·0	84·0	73·7	83·5	74·5	82·4	74·0	11
Noon	87·4	73·8	84·5	75·3	86·5	75·6	81·5	73·2	80·0	73·0	84·8	73·1	85·4	73·4	83·5	74·5	Noon
13h	87·0	74·0	87·8	76·3	86·0	75·1	81·6	73·0	78·2	71·9	85·7	73·7	85·5	73·0	85·5	73·9	13h
14	88·5	74·6	88·0	76·7	84·6	74·8	79·4	72·0	78·5	71·5	84·8	74·0	84·5	73·5	83·5	73·7	14
15	88·5	74·5	90·2	77·0	84·0	75·0	76·8	67·5	78·7	72·0	82·8	73·2	82·1	73·9	83·4	73·3	15
16	87·0	75·0	88·5	76·1	83·1	74·5	71·3	66·9	79·4	70·7	84·5	73·9	81·8	73·6	81·1	73·2	16
17	83·5	73·4	84·5	75·2	81·7	74·1	70·8	67·0	79·0	71·6	81·7	73·0	81·3	72·9	79·8	73·1	17
18	81·6	73·2	82·6	74·9	80·5	74·0	72·2	68·2	77·7	71·1	79·1	72·6	79·5	72·8	76·5	72·3	18
19	79·0	73·0	80·4	74·3	78·4	73·8	71·5	67·9	74·9	71·0	77·8	72·8	77·4	72·0	75·5	72·0	19
20	77·6	73·1	78·9	74·3	77·4	72·9	70·2	67·5	74·3	70·1	77·1	73·1	75·3	71·9	75·1	72·1	20
21	76·6	72·9	78·4	74·7	76·9	72·9	70·5	68·6	73·8	69·6	76·4	72·6	74·4	70·8	73·7	72·3	21
22	76·5	73·2	77·1	73·9	76·7	72·7	70·0	68·0	74·2	69·3	75·2	72·1	75·0	71·0	75·3	72·4	22
23	74·5	71·6	76·3	73·1	76·4	73·5	69·7	67·1	73·9	70·0	74·5	72·6	75·9	71·4	74·4	72·0	23

TABLE V (*Contd.*)—TEMPERATURE of the AIR and of EVAPORATION in degrees FAHRENHEIT at every HOUR of the DAY, as deduced from the PHOTOGRAPHIC RECORDS.

DECEMBER 1915.

Hour. / Day.	17d. Air.	17d. Evaporation.	18d. Air.	18d. Evaporation.	19d. Air.	19d. Evaporation.	20d. Air.	20d. Evaporation.	21d. Air.	21d. Evaporation.	22d. Air.	22d. Evaporation.	23d. Air.	23d. Evaporation.	24d. Air.	24d. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	73·0	71·8	74·9	71·8	73·4	70·6	73·4	70·9	74·5	71·1	74·1	70·1	73·3	69·8	70·8	66·2	Midnight
1h	73·9	72·2	74·5	71·4	73·2	69·8	73·2	70·4	74·5	70·1	73·5	69·5	72·4	69·7	69·9	65·9	1h
2	73·8	72·3	74·4	71·3	73·2	70·4	74·5	71·5	73·8	69·5	72·5	70·4	72·5	69·2	69·7	66·2	2
3	74·0	72·7	73·4	70·9	72·6	70·3	74·5	71·2	72·3	69·4	71·9	69·4	72·6	69·2	69·1	65·8	3
4	74·7	73·2	72·9	70·3	73·5	70·7	73·2	70·2	70·9	68·5	71·7	69·2	71·7	68·5	69·7	66·2	4
5	74·9	73·3	72·9	70·6	72·7	70·0	71·5	69·2	70·3	67·7	71·2	68·1	71·7	68·1	68·2	64·8	5
6	75·3	73·2	74·3	71·1	73·0	70·1	71·4	69·2	70·5	68·1	72·5	69·1	73·1	68·5	69·0	65·6	6
7	77·6	75·3	78·2	73·2	77·0	72·1	77·5	72·8	78·1	71·5	77·5	71·1	77·5	70·6	76·5	69·1	7
8	78·8	75·0	80·4	73·1	78·1	71·6	80·3	73·0	81·1	71·3	79·9	71·0	80·2	71·0	79·5	69·4	8
9	80·4	75·0	81·9	73·7	80·5	72·0	82·2	72·6	83·0	70·9	82·1	71·6	81·9	70·7	81·2	70·2	9
10	82·5	75·3	83·4	73·8	82·7	72·0	84·4	72·8	82·5	70·3	84·2	71·8	83·5	69·7	82·0	71·5	10
11	82·7	75·6	83·7	73·9	84·2	71·0	85·0	72·9	85·5	72·0	84·1	71·3	84·4	71·0	82·5	70·3	11
Noon	83·5	75·4	84·0	74·0	84·7	72·1	85·2	73·0	82·6	72·3	84·7	72·1	85·0	71·0	83·1	69·6	Noon
13h	84·5	75·2	83·8	74·1	84·7	72·6	85·4	72·2	82·0	72·4	83·4	70·4	84·8	71·2	85·2	71·0	13h
14	83·4	74·9	83·8	73·9	85·0	71·9	86·2	72·1	82·2	71·9	84·7	71·5	85·2	70·9	84·8	70·9	14
15	81·8	74·8	83·5	73·9	84·5	71·9	84·5	71·4	81·9	72·9	84·7	70·9	84·6	70·9	84·5	71·1	15
16	81·5	74·2	82·5	73·9	83·5	71·4	83·5	71·5	81·4	73·2	83·5	71·1	83·1	70·5	83·1	71·3	16
17	78·4	74·0	80·7	73·2	81·6	72·0	81·5	71·5	80·8	72·6	82·3	70·6	81·1	70·4	81·2	70·6	17
18	78·6	72·9	78·5	72·8	80·4	72·0	80·2	71·0	79·4	71·1	80·1	70·3	78·6	69·3	78·8	69·2	18
19	77·7	73·0	78·4	72·6	78·2	71·0	77·5	70·8	76·8	70·3	77·1	70·3	76·5	68·6	76·8	69·1	19
20	77·3	73·4	76·6	72·7	77·4	71·5	76·6	71·1	75·9	70·1	75·8	70·8	75·5	68·2	75·6	69·1	20
21	75·8	73·8	74·5	70·2	76·7	71·4	75·5	70·7	75·0	70·4	74·4	71·1	74·3	67·7	74·8	69·3	21
22	75·4	72·7	74·9	68·8	74·4	71·6	74·4	70·4	74·5	70·7	73·7	70·0	73·2	67·2	74·6	69·7	22
23	75·2	72·1	74·4	68·6	74·5	72·2	74·0	70·0	74·1	70·2	72·9	69·5	72·2	66·2	74·4	68·8	23

Hour. / Day.	25d. Air.	25d. Evaporation.	26d. Air.	26d. Evaporation.	27d. Air.	27d. Evaporation.	28d. Air.	28d. Evaporation.	29d. Air.	29d. Evaporation.	30d. Air.	30d. Evaporation.	31d. Air.	31d. Evaporation.	Mean. Air	Mean. Evaporation.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	72·9	68·6	73·1	70·0	73·5	69·9	74·5	70·3	75·0	69·6	74·1	70·9	74·1	71·2	74·1	70·7	Midnight
1h	72·7	68·8	72·7	70·1	72·5	70·1	73·4	71·1	74·3	69·7	73·7	71·4	74·1	70·8	73·7	70·6	1h
2	73·4	69·4	72·4	69·4	72·2	69·3	72·8	70·1	73·5	69·5	74·2	71·4	71·2	68·9	73·5	70·6	2
3	73·5	70·0	71·7	69·3	71·9	69·2	73·2	70·7	72·5	69·0	73·3	70·2	72·5	70·6	73·3	70·5	2
4	71·7	69·2	71·8	69·6	72·0	69·1	74·0	71·6	73·4	69·4	73·2	70·2	73·1	70·2	73·0	70·4	4
5	70·5	68·1	70·6	68·2	71·4	69·0	73·5	71·2	73·2	69·4	72·9	70·1	73·5	70·6	72·7	70·1	5
6	70·1	67·5	73·5	70·4	72·2	69·1	73·7	70·5	74·0	70·1	73·2	70·2	73·5	69·7	73·2	70·3	6
7	77·0	71·1	77·5	71·8	78·5	72·6	74·7	72·1	76·4	71·3	76·5	72·1	74·0	70·5	76·8	72·2	7
8	78·0	71·0	78·5	72·7	81·0	71·9	75·0	69·9	79·4	71·3	78·5	71·1	79·4	72·0	79·0	72·4	8
9	81·8	72·0	81·8	72·9	78·8	71·3	78·0	71·5	83·3	72·2	82·8	72·0	81·0	72·0	81·1	72·7	9
10	83·5	72·9	78·5	73·0	84·5	72·5	82·2	71·1	83·3	72·3	83·0	72·9	83·5	72·1	82·4	72·9	10
11	84·4	72·0	83·7	72·1	84·5	72·5	83·8	71·8	84·5	73·0	84·4	73·0	78·5	74·0	83·3	73·1	11
Noon	85·0	71·8	82·8	73·1	85·6	72·8	84·4	71·0	85·5	72·7	84·5	72·0	80·5	73·0	83·8	73·0	Noon
13h	86·5	73·5	84·5	72·9	85·5	71·8	84·2	71·0	85·5	72·2	85·2	71·9	82·0	71·9	84·4	73·1	13h
14	86·4	71·9	84·7	72·6	85·7	71·9	83·8	70·8	85·7	73·0	86·0	72·8	82·5	74·9	84·5	73·1	14
15	85·3	71·9	84·0	72·0	85·0	70·9	84·5	70·9	85·5	71·1	84·2	72·1	79·5	73·8	83·7	72·7	15
16	84·5	71·8	82·5	72·1	83·2	71·3	81·9	71·0	84·0	73·1	82·8	72·2	77·8	73·5	82·4	72·4	16
17	81·4	72·0	81·3	72·0	82·5	70·2	80·2	70·3	82·5	71·3	78·5	72·1	79·4	73·7	80·7	72·1	17
18	79·5	70·8	80·4	72·2	80·0	70·9	79·5	70·2	79·8	70·9	79·4	71·2	78·6	72·0	79·1	71·6	18
19	77·5	70·3	78·2	71·4	77·8	70·3	77·4	69·3	77·4	71·3	77·5	71·3	74·5	72·2	77·2	71·4	19
20	76·4	70·3	76·6	70·8	77·1	70·3	76·2	69·5	76·1	70·7	76·7	71·2	73·3	71·6	76·2	71·3	20
21	74·9	70·0	75·5	70·2	75·5	70·9	75·3	69·3	75·9	71·1	76·0	71·1	74·0	72·1	75·3	71·1	21
22	73·9	69·4	75·3	70·1	75·2	70·9	75·2	69·2	74·8	71·2	74·4	70·8	73·8	71·2	74·9	70·9	22
23	73·4	69·4	73·7	69·5	75·1	70·8	75·2	69·4	74·5	70·8	75·3	71·2	74·6	71·5	74·5	70·7	23

TABLE VI.—AMOUNT of CLOUD at every HOUR of the DAY (0 = CLEAR SKY, 10 = OVERCAST SKY).

Hour \ Day.	DECEMBER 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d	Mean.
Midnight	4	8	7	4	8	5	10	10	1	5	1	10	10	2	9	8	10	2	10	5	9	2	10	0	2	8	5	4	7	7	5	6·1
1h	2	7	9	2	8	4	10	10	1	0	0	10	10	5	7	10	10	4	7	4	7	2	7	1	5	3	4	6	6	6	7	5·6
2	3	9	10	1	7	0	10	10	2	0	0	10	10	1	8	4	9	6	6	6	5	1	7	2	7	2	3	5	5	3	4	5·0
3	3	10	10	2	8	5	7	9	1	0	9	10	10	9	3	3	10	2	6	9	2	2	5	3	7	8	3	8	5	2	4	5·6
4	3	10	10	6	7	5	9	4	1	2	9	10	10	9	1	3	10	2	5	8	5	2	6	1	5	4	3	10	9	5	7	5·8
5	3	10	10	5	8	5	10	3	1	3	9	10	10	8	2	7	10	2	4	8	7	1	3	1	4	6	3	10	8	5	7	5·7
6	2	9	6	3	9	7	10	8	2	4	9	10	9	9	5	6	10	2	3	5	9	1	3	1	5	6	5	10	6	6	7	6·0
7	4	9	6	4	8	6	10	8	4	3	8	10	9	8	7	8	9	2	5	5	9	2	4	3	6	6	4	10	9	7	8	6·5
8	6	8	8	4	8	9	9	6	6	5	7	10	10	9	9	9	9	6	6	8	3	3	6	5	6	6	5	10	8	7	7	7·0
9	6	8	7	3	8	8	10	9	6	6	10	10	9	6	7	7	8	6	7	5	4	5	5	5	7	6	7	9	6	4	5	6·7
10	9	8	7	3	9	9	10	8	5	7	10	10	9	7	8	8	7	5	6	5	6	5	4	5	7	9	6	8	6	4	6	7·0
11	6	7	6	7	9	8	10	8	5	7	10	10	8	7	8	9	9	6	5	6	8	4	4	5	4	9	4	5	7	6	6	6·9
Noon	6	8	6	5	8	6	10	8	5	7	10	10	10	5	6	8	7	6	4	6	8	9	5	6	5	7	4	6	8	4	5	6·7
13h	9	7	7	5	8	5	8	9	4	5	10	10	10	6	7	8	8	7	4	4	9	6	5	4	6	7	5	4	8	4	5	6·6
14	7	8	6	5	8	5	8	7	2	4	10	10	10	6	9	6	9	8	5	5	10	5	5	6	5	7	3	7	6	5	10	6·7
15	4	7	4	5	9	5	10	9	4	4	10	10	10	9	9	6	8	6	4	7	9	4	4	7	6	7	3	8	4	6	6	6·6
16	7	6	3	6	7	4	10	8	5	7	10	10	9	9	9	8	8	6	4	9	8	5	5	6	5	6	2	9	5	7	4	6·7
17	6	5	4	5	7	6	10	8	5	8	10	10	3	9	9	10	7	5	3	9	6	4	3	5	6	5	2	7	5	9	5	6·3
18	6	4	5	4	8	7	10	5	5	10	10	10	7	10	8	10	5	6	3	8	3	4	2	5	4	4	1	9	5	6	4	6·1
19	8	3	5	4	9	5	10	4	3	8	10	10	6	10	8	7	7	8	5	6	2	7	2	5	2	2	1	10	2	7	10	6·0
20	10	2	2	5	7	4	10	4	1	7	10	10	6	10	9	10	9	10	9	8	1	8	1	4	0	1	1	6	2	6	2	5·6
21	7	4	3	5	5	1	10	3	1	6	10	10	8	10	9	8	8	10	9	8	3	8	3	5	0	2	0	7	3	6	3	5·7
22	6	2	2	5	5	4	10	2	2	3	10	10	3	10	9	10	5	9	10	2	6	7	1	5	1	1	1	6	5	3	6	5·3
23	4	6	2	6	3	8	10	2	3	1	10	10	4	10	7	7	6	10	7	2	4	8	1	7	1	3	1	7	7	6	3	5·4

TABLE VII.—DURATION of BRIGHT SUNSHINE at every HOUR of the DAY as recorded by the CAMPBELL STOKES SUNSHINE RECORDER.

Hour* Ending. \ Day.	DECEMBER 1915.																															
	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	30d	Total.
	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min.	min	min.	min.	min.	min.	min.	min.	min	min.	min.	min.	min.	min.	hrs.
6h	2	0	0	15	0	0	0	0	5	0	0	0	2	0	0	0	0	3	0	0	10	12	15	0	0	0	0	0	0	0	0	1·1
7	60	3	33	47	0	30	0	0	57	45	21	0	22	0	59	45	17	60	50	50	42	60	60	50	47	29	30	3	16	3	0	15·7
8	59	49	47	47	26	55	0	0	37	59	54	0	0	3	50	44	45	60	58	57	60	60	60	60	40	22	60	0	30	3	28	19·5
9	59	60	50	60	60	31	0	0	60	58	0	0	3	60	46	60	59	60	46	60	60	60	60	60	56	50	44	33	59	60	58	23·9
10	58	50	48	60	60	46	8	12	60	50	10	0	2	60	60	60	60	60	58	60	31	60	60	58	60	10	60	32	48	60	60	23·7
11	58	59	60	60	60	15	0	36	60	48	27	0	42	60	54	47	52	60	60	60	55	50	60	60	60	50	60	60	45	58	45	25·3
Noon	60	60	60	60	60	44	0	24	60	36	0	0	32	60	60	60	59	60	60	60	15	59	60	60	60	0	60	60	55	60	45	24·1
13h	55	60	60	60	60	48	0	17	60	43	0	0	0	60	60	60	59	60	60	60	13	16	60	60	60	44	60	45	47	60	48	23·2
14	42	60	60	60	60	60	37	58	60	60	0	0	0	60	48	56	55	60	60	60	13	25	60	60	60	40	60	43	55	60	45	24·6
15	58	59	60	60	60	60	29	12	60	60	0	0	0	59	32	60	31	60	60	60	6	60	60	60	60	57	60	60	59	60	35	24·3
16	60	60	60	60	60	49	0	0	60	60	0	0	0	59	38	38	26	60	60	52	5	60	60	60	60	40	60	21	60	57	45	22·2
17	55	60	60	48	46	31	0	0	59	59	0	0	27	46	22	10	27	59	58	22	0	60	60	60	55	52	60	30	53	2	59	19·7
18	21	55	57	45	12	8	0	0	23	1	0	0	58	15	0	0	20	40	59	31	5	60	60	30	30	52	60	1	45	44	45	14·6
19	0	0	0	0	0	0	0	0	12	0	0	0	8	0	0	0	7	3	0	0	0	12	0	0	0	1	0	0	5	0	0	0·8

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 262·7 hours; the corresponding period during which the sun was above the horizon was 411·5 hours.

TABLE VIII.—OBSERVED VELOCITY of the WIND (in miles per hour) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER using the factor 3.

DECEMBER 1915.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	12·1	14·5	14·3	8·6	10·2	8·4	7·5	3·3	3·9	3·0	5·4	3·9	6·5	10·6	6·3	8·8	Midnight
1h	8·4	16·3	13·1	8·0	10·4	9·4	8·0	2·8	4·6	3·1	4·6	2·4	5·6	9·0	7·5	7·6	1h
2	9·2	15·9	13·3	9·2	9·2	8·0	6·7	3·1	4·8	3·7	4·2	7·8	10·4	11·2	7·6	8·2	2
3	9·4	13·3	13·3	7·8	11·2	8·2	5·2	3·0	4·6	4·2	3·7	3·1	11·0	10·4	5·7	6·3	3
4	9·4	14·9	12·9	5·7	12·1	8·4	3·5	3·5	5·2	5·0	5·0	2·4	4·2	11·4	5·4	7·5	4
5	9·6	14·1	13·7	10·0	12·5	7·3	4·4	4·2	4·4	4·6	4·8	4·8	10·4	11·0	4·8	7·8	5
6	10·4	11·4	11·5	8·6	12·3	8·0	7·8	3·2	4·8	3·3	4·4	5·2	13·9	11·9	4·0	10·6	6
7	14·1	18·3	14·7	11·9	12·5	14·7	11·9	3·1	5·0	7·1	8·6	5·7	12·7	12·9	7·1	11·2	7
8	16·9	18·7	16·3	16·1	14·1	16·7	9·8	4·8	13·5	13·5	11·9	6·9	16·1	16·9	9·2	12·9	8
9	18·7	22·1	14·3	15·5	18·5	18·7	14·9	3·2	12·1	15·7	10·0	7·5	16·5	17·9	9·4	15·1	9
10	18·1	24·1	15·9	16·7	18·7	18·3	15·5	7·1	14·5	16·3	11·4	8·4	18·5	14·9	11·4	16·5	10
11	18·7	19·5	15·1	16·9	19·5	18·1	12·9	11·9	15·3	17·3	10·0	10·0	19·5	14·1	13·3	17·1	11
Noon	20·1	18·9	15·9	17·9	18·7	18·1	10·2	12·9	15·9	18·5	11·2	12·3	19·3	11·4	13·1	16·7	Noon
13h	19·1	19·9	14·7	17·3	20·1	17·9	9·6	13·5	14·7	19·5	13·1	12·1	17·1	15·3	11·4	18·5	13h
14	17·1	14·1	14·3	16·3	17·5	16·9	12·3	13·7	13·7	17·9	11·6	13·3	19·9	17·1	11·5	19·1	14
15	18·5	18·1	14·1	15·1	16·5	17·9	11·3	16·5	13·3	16·7	11·0	16·9	19·1	15·1	12·1	16·9	15
16	18·5	16·9	13·1	15·1	17·7	15·5	10·6	13·7	13·5	15·1	8·0	12·3	18·3	14·5	12·5	19·1	16
17	16·3	15·3	11·9	14·3	16·1	13·1	10·0	12·3	11·0	13·5	6·7	8·0	18·5	15·1	11·0	19·5	17
18	18·3	14·5	10·2	12·3	14·7	11·4	7·6	9·6	9·0	9·6	6·7	9·0	15·7	12·5	9·8	16·5	18
19	17·7	10·0	9·6	12·5	12·1	10·0	6·5	5·7	7·3	6·5	5·6	5·7	13·5	10·0	9·2	13·9	19
20	15·3	13·9	11·0	9·6	11·4	8·0	5·2	5·7	4·0	4·8	5·7	4·2	11·7	7·3	8·2	13·3	20
21	15·1	12·1	14·3	8·2	10·4	6·7	6·3	4·4	3·2	5·4	4·4	2·2	10·2	7·8	8·2	13·1	21
22	15·5	12·3	10·2	10·4	8·6	6·7	4·6	5·2	3·5	4·0	3·4	3·9	11·2	7·6	8·8	14·1	22
23	14·3	12·7	8·2	10·6	7·3	6·7	1·9	4·6	6·1	4·2	3·1	3·7	9·8	8·2	9·8	13·9	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	13·9	8·8	14·9	7·3	3·7	9·8	5·6	3·5	5·0	6·1	7·3	6·7	11·6	6·9	15·1	8·2	Midnight
1h	11·0	9·2	11·0	6·5	3·5	8·0	7·1	3·7	4·4	6·1	6·9	10·2	8·8	5·9	13·1	7·6	1h
2	11·2	8·0	6·5	7·8	4·8	8·8	6·5	6·5	4·4	5·9	7·1	10·2	6·1	9·8	16·7	8·2	2
3	8·0	8·4	10·0	9·8	4·0	7·8	7·8	8·4	6·7	4·8	6·3	9·2	5·2	8·0	12·9	7·7	3
4	9·4	9·4	10·0	7·8	4·4	9·2	7·3	5·8	4·0	4·6	7·8	7·1	6·5	7·3	11·6	7·4	4
5	8·6	9·8	9·2	8·0	3·9	9·2	7·3	6·3	5·0	5·2	7·8	8·0	7·5	8·6	9·8	7·8	5
6	9·6	11·2	7·1	4·6	5·0	6·3	11·4	6·9	4·4	6·9	9·2	8·4	8·2	8·2	13·7	8·1	6
7	11·2	16·1	10·8	7·7	10·2	12·7	13·1	8·6	7·7	10·2	11·0	8·2	8·4	11·9	16·1	10·8	7
8	12·9	16·1	14·5	12·5	11·2	14·5	16·1	10·2	8·6	12·9	15·3	12·5	13·9	22·1	20·7	13·8	8
9	16·9	14·3	14·5	13·1	11·2	13·1	15·9	16·1	13·7	14·9	15·1	14·5	16·5	26·5	23·9	15·2	9
10	15·3	17·1	15·9	13·5	11·2	12·7	16·9	18·1	15·3	13·5	16·5	20·1	15·9	26·9	24·1	16·1	10
11	17·1	16·5	15·7	14·9	11·2	15·5	18·5	15·1	15·5	16·1	17·5	19·5	15·7	26·9	22·3	16·4	11
Noon	16·9	16·7	13·5	13·9	10·2	18·1	17·3	17·1	15·3	13·3	17·9	19·9	17·1	27·9	23·3	16·4	Noon
13h	16·3	20·5	14·3	16·3	11·4	14·3	17·9	16·1	14·3	17·9	18·3	20·1	19·3	27·5	24·1	16·9	13h
14	17·1	19·5	15·1	15·5	12·2	16·9	17·5	14·7	15·3	16·1	17·7	18·7	19·3	26·3	20·5	16·4	14
15	16·1	18·9	14·7	15·9	9·0	17·1	18·1	16·7	14·3	16·3	19·9	19·5	21·3	24·9	24·5	16·7	15
16	16·3	18·5	15·1	14·3	7·1	16·5	19·7	14·9	14·7	17·1	19·7	18·1	20·1	21·7	21·3	15·8	16
17	15·9	16·9	13·7	13·3	4·0	18·1	20·3	16·1	13·9	15·5	18·3	17·1	18·3	16·3	22·3	14·6	17
18	16·1	14·7	12·5	13·5	11·7	15·7	18·1	15·1	11·7	13·9	16·1	14·1	17·5	16·7	20·1	13·4	18
19	14·1	13·7	12·7	12·1	11·4	10·8	15·9	9·8	10·8	15·9	15·1	9·2	15·1	14·1	22·1	11·6	19
20	9·6	10·6	10·6	8·0	7·1	10·2	10·0	7·7	5·2	14·7	11·2	8·2	10·6	14·3	21·1	9·6	20
21	13·1	15·3	9·2	8·8	9·6	10·0	9·0	9·2	5·6	12·3	8·2	11·3	10·2	14·3	19·1	9·6	21
22	11·4	14·5	8·2	5·9	8·8	10·2	9·0	11·7	5·2	10·2	8·6	9·2	9·6	13·9	18·1	9·2	22
23	11·0	9·0	4·4	6·1	8·6	6·7	8·0	9·0	8·2	6·7	7·7	11·9	8·6	15·3	14·1	8·4	23

TABLE IX.—NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile.*)

DECEMBER 1915.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	98	112	100	114	100	114	98	108	100	110	105	107	106	104	99	97	Midnight
1h	97	108	106	115	100	113	100	108	98	110	107	107	107	103	99	97	1h
2	95	108	103	116	100	113	100	109	100	109	106	106	106	104	97	100	2
3	96	109	103	113	103	113	100	108	102	111	106	106	104	103	98	97	3
4	96	109	106	114	100	113	100	106	100	112	105	107	103	102	98	103	4
5	96	109	110	110	103	113	98	110	100	112	105	105	104	102	98	103	5
6	96	110	106	109	100	111	102	108	102	112	104	107	107	103	97	100	6
7	100	114	100	118	106	114	102	112	102	112	114	106	112	102	102	102	7
8	97	117	104	118	106	115	106	115	105	113	114	109	109	104	95	101	8
9	100	119	104	122	105	113	100	115	107	117	116	110	114	106	99	103	9
10	107	117	109	122	109	113	103	116	107	117	117	107	114	106	104	106	10
11	100	119	107	118	111	111	100	117	104	119	118	103	112	95	111	95	11
Noon	114	114	104	118	106	115	96	118	104	118	117	107	110	102	112	105	Noon
13h	107	118	100	120	108	112	110	114	108	119	118	103	109	102	112	105	13h
14	112	112	105	113	103	114	111	111	110	115	116	93	112	98	114	100	14
15	110	115	100	118	108	112	100	115	103	116	118	100	111	100	115	106	15
16	107	117	106	116	109	109	100	115	115	110	115	100	111	100	113	105	16
17	103	116	100	115	100	112	100	114	106	115	113	102	110	98	111	105	17
18	104	118	100	114	100	110	100	112	106	114	111	104	107	103	107	107	18
19	100	118	102	110	100	110	102	112	102	112	109	104	106	102	104	104	19
20	100	115	103	114	100	111	100	110	106	109	107	103	104	103	104	104	20
21	100	115	100	112	97	114	103	108	107	107	106	103	100	94	102	104	21
22	103	115	102	112	96	109	100	110	105	107	106	103	97	96	102	105	22
23	97	114	102	112	98	108	102	110	104	106	106	104	99	98	101	104	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	101	104	101	103	103	104	98	104	100	106	98	110	99	106	100	109	Midnight
1h	102	104	101	103	102	104	101	102	98	105	97	108	98	107	98	107	1h
2	102	104	101	104	101	104	94	105	93	107	96	110	97	107	100	108	2
3	102	104	101	104	101	104	98	102	94	109	96	110	98	105	96	105	3
4	102	105	102	105	102	105	98	102	103	103	96	111	98	105	97	107	4
5	102	104	102	104	103	104	99	105	94	109	96	110	98	104	100	108	5
6	102	104	101	103	102	104	98	105	90	110	98	112	98	103	94	109	6
7	102	105	105	105	106	106	96	104	91	109	100	113	101	107	96	110	7
8	112	105	112	105	111	105	95	105	97	116	100	117	103	108	100	113	8
9	110	107	115	103	108	106	96	106	97	116	100	118	104	109	106	114	9
10	113	106	115	106	111	104	95	107	90	115	92	112	104	111	106	115	10
11	113	108	116	107	109	104	93	107	100	119	97	114	105	112	110	114	11
Noon	116	103	118	104	109	106	95	111	100	119	104	111	109	109	103	116	Noon
13h	112	108	118	107	109	109	93	110	93	116	106	114	108	108	107	117	13h
14	113	103	118	103	110	106	97	113	92	118	90	114	104	111	100	119	14
15	111	107	115	106	110	104	88	112	89	116	100	115	109	109	109	114	15
16	113	100	115	100	103	107	91	109	100	118	100	114	100	112	104	119	16
17	110	104	113	100	104	106	94	106	100	118	100	115	104	110	100	119	17
18	108	103	110	100	104	106	94	106	91	113	100	112	102	110	103	116	18
19	105	105	106	100	100	106	96	104	92	111	100	110	100	109	100	114	19
20	103	103	105	100	97	105	101	104	98	111	96	106	98	108	100	113	20
21	102	102	104	103	97	103	100	102	100	110	97	107	98	108	102	113	21
22	102	103	103	103	98	103	97	103	98	111	97	107	98	109	100	114	22
23	103	105	102	103	101	103	101	103	100	110	98	108	100	110	100	114	23

TABLE IX.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in miles per hour, at every HOUR of the DAY.

(*The results are increased by* 100 *in order to obviate the necessity for signs, and are published to the nearest mile*).

DECEMBER 1915.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	105	113	100	109	100	115	100	107	99	103	94	108	97	105	99	103	Midnight
1h	104	110	100	109	102	111	100	106	101	103	94	106	96	106	98	103	1h
2	100	111	100	108	102	106	102	108	103	104	97	108	96	105	96	105	2
3	100	108	100	108	100	110	100	110	101	104	94	105	97	107	95	107	3
4	104	109	96	109	102	110	100	108	98	104	93	106	97	107	98	105	4
5	103	108	94	108	102	109	100	108	98	104	95	108	97	107	98	106	5
6	100	110	100	111	99	107	99	104	98	105	96	104	94	109	97	106	6
7	100	111	100	116	100	111	98	107	96	109	95	112	97	113	97	108	7
8	100	113	100	116	108	112	102	112	96	110	90	110	97	116	98	110	8
9	100	117	100	114	105	113	105	112	98	111	95	112	94	115	100	116	9
10	100	115	100	117	103	116	105	112	92	108	93	111	93	116	103	118	10
11	100	117	100	116	106	114	110	110	98	111	100	115	94	117	100	115	11
Noon	103	117	103	116	109	109	105	113	96	91	96	118	93	116	100	117	Noon
13h	106	115	104	120	100	114	109	113	100	89	94	113	93	116	106	115	13h
14	100	117	100	119	106	114	100	115	98	88	91	114	88	112	105	114	14
15	106	115	100	119	108	112	111	111	103	92	93	116	100	118	103	116	15
16	106	115	102	118	106	114	105	113	105	95	100	116	100	120	103	115	16
17	106	115	100	117	100	114	105	112	104	98	93	117	92	119	106	115	17
18	106	115	100	115	100	112	100	113	92	108	94	114	93	117	97	115	18
19	103	114	100	114	100	113	100	112	92	108	96	110	100	116	96	109	19
20	102	109	98	110	100	111	100	108	96	106	94	108	96	109	97	107	20
21	105	112	100	115	102	109	98	109	93	107	96	109	97	108	97	108	21
22	104	111	97	114	97	108	100	106	97	108	96	109	97	108	95	111	22
23	104	110	102	109	98	104	99	106	97	108	97	106	97	107	97	108	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	98	105	100	106	100	107	97	106	96	111	101	107	94	114	99·5	107·5	Midnight
1h	98	104	98	106	97	106	100	110	98	109	98	105	94	110	99·6	106·7	1h
2	98	104	100	106	97	107	96	109	98	106	96	109	88	112	98·7	107·2	2
3	101	107	100	105	98	106	95	108	97	104	96	107	91	109	98·8	106·7	3
4	100	104	99	104	100	108	100	107	97	106	96	106	92	108	99·3	106·7	4
5	98	105	98	105	97	107	103	107	96	106	95	107	96	109	99·3	107·0	5
6	98	104	100	107	100	109	95	107	95	107	95	107	92	111	98·6	107·1	6
7	98	107	102	110	100	110	103	108	97	108	95	110	89	111	100·1	109·4	7
8	103	108	100	113	103	115	105	111	100	114	100	122	88	117	101·9	111·8	8
9	100	114	100	115	103	115	94	113	100	116	95	126	91	122	102·0	113·4	9
10	103	115	100	113	103	116	100	120	94	115	95	126	91	122	102·4	110·4	10
11	103	115	106	115	110	115	107	118	106	114	95	126	96	122	104·4	113·1	11
Noon	100	115	103	113	113	113	92	118	100	117	94	127	100	123	104·1	112·9	Noon
13h	100	114	100	118	100	118	100	120	100	119	89	125	97	120	103·8	113·4	13h
14	100	115	100	116	107	116	104	118	96	119	90	124	96	120	102·8	111·9	14
15	108	112	106	116	100	120	100	119	100	121	91	123	95	124	103·8	112·9	15
16	106	114	100	115	100	120	90	115	100	120	92	120	85	115	103·5	112·1	16
17	97	114	100	114	96	118	100	117	93	117	94	115	91	121	101·5	112·2	17
18	104	111	100	116	100	116	92	112	93	116	90	114	92	119	100·0	111·6	18
19	100	111	100	115	97	115	95	108	92	113	92	112	100	122	99·6	110·4	19
20	98	105	100	112	100	111	100	108	94	109	92	112	96	121	99·5	108·7	20
21	98	105	100	110	97	108	96	110	94	108	94	113	96	119	99·4	108·3	21
22	98	105	99	107	98	108	98	109	96	109	92	111	100	118	99·1	108·2	22
23	100	108			98	107	98	113	96	108	91	113	97	114	99·6	107·8	23

TABLE X.—DIRECTION of the WIND at every HOUR of the DAY on DAYS on which the NORMAL TRADE WIND was interrupted during the MONTH of DECEMBER 1915.

The Directions are given in points and the values indicate the direction from which the wind blows counting from South (0), East (8), North (16) and West (24).

Hour. Mauritius Standard Time.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	15d.	20d.	21d.	30d.	31d.	Hour. Mauritius Standard Time.
	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	points.	
Midnight	8	11	13	26	10	9	11	6	8	7	8	6	9	6	Midnight
1h	7	12	14	26	10	9	10	10	6	7	8	9	6	5	1h
2	8	12	13	0*	10	9	9	4	4	6	9	11	6	4	2
3	9	12	13	27**	10	9	9	4	5	6	8	9	5	4	3
4	8	11	13	5*	10	10	10	4	12	6	8	6	5	4	4
5	8	12	13	5	10	10	11	7	5	6	8	6	5	6	5
6	9	11	14	0	10	10	10	6	4	5	7	6	5	5	6
7	9	14	15	12*	10	12	12	4	4	9	7	6	6	4	7
8	10	13	14	1*	14	14	14	4	7	10	9	6	8	5	8
9	10	13	14	7	13	15	13	5	7	10	10	7	7	6	9
10	10	14	14	11	14	14	14	5	5	10	10	4	7	6	10
11	9	15	18	18	13	14	14	4	8	10	12	7	7	7	11
Noon	9	14	15	14	15	15	13	6	8	12	10	26**	7	8	Noon
13h	10	15	15	14	13	14	12	5	6	12	11	24	6	5	13h
14	11	18	17	16	15	15	13	7	6	10	8	25	6	7	14
15	9	16	16	14	13	14	14	4	5	12	12	22	6	7	15
16	13	16	16	14	16	16	10	4	8	8	10	20	6	4	16
17	10	15	17	14	14	16	11	4	8	10	10	18*	6	6	17
18	10	14	14	12	14	16	11	4	5	9	8	4	5	6	18
19	9	14	14	12	12	16	8	4	5	8	8	4	5	8	59
20	11	14	13	12	12	16	5	9	7	7	8	5	5	7	20
21	12	14	24	11	12	13	4	8	8	7	7	4	6	7	21
22	11	14	27	10	11	12	5	4	7	7	8	6	5	8	22
23	11	13	26	10	11	11	9	10	8	8	7	6	5	7	23

TABLE XI.—TEMPERATURE of the SOIL at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of Three HOURS between 0h. and 21h. during the MONTH of DECEMBER 1915.

Day of the Month.	9ins.								6ins.								3ins.							
	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.
1d	86°·9	86°·3	85°·9	85°·2	84°·8	85°·5	86°·7	87°·3	86°·5	85°·1	84°·8	83°·8	84°·7	86°·8	88°·8	88°·2	85°·4	82°·7	81°·8	82°·8	88°·0	93°·0	92°·6	88°·7
2	87·4	86·7	86·2	85·8	85·4	85·5	86·4	87·1	87·2	86·0	85·1	84·6	84·9	86·0	88·2	88·0	86·2	84·2	83·1	83·5	85·1	91·0	91·4	88·0
3	86·8	86·2	85·5	84·9	84·8	85·2	86·5	87·9	85·9	85·2	84·1	83·7	84·0	86·6	89·4	89·4	83·7	82·5	81·3	81·9	85·8	95·2	95·7	90·4
4	87·9	87·2	86·4	85·7	85·4	85·7	87·4	88·3	87·7	86·2	84·9	84·1	84·4	87·2	89·8	89·5	86·1	83·2	81·4	81·7	84·3	94·2	94·3	90·3
5	88·5	87·6	87·1	86·6	85.7	85·8	86·7	87·5	88·2	86·7	85·8	84·7	84·7	86·5	88·5	88·3	86·7	84·5	82·4	82·4	85·0	92·4	92·4	88·6
6	87·6	86·8	86·3	85·5	85·3	85·4	86·4	87·1	86·7	85·5	84·7	83·8	84·6	85·9	88·2	87·9	85·4	82·7	81·7	82·5	85·5	92·0	91·8	88·3
7	87·1	86·6	86·1	85·8	85·4	85·4	85·7	85·9	86·6	85·9	85·0	84·6	84·7	86·2	86·2	85·8	84·8	84·1	83·0	83·4	84·1	86·0	85·3	83·2
8	85·6	85·0	84·5	83·8	83·3	83·6	84·4	84·5	84·2	83·7	84·1	82·2	82·5	84·0	84·8	84·2	80·5	79·8	78·6	78·9	81·9	85·9	83·8	81·5
9	84·4	83·6	83·1	82·0	81·6	82·5	84·1	85·5	83·9	81·7	80·9	79·9	80·6	84·1	86·7	86·9	79·0	76·9	75·5	76·0	80·6	91·8	91·7	87·1
10	85·8	85·3	84·5	83·8	83·4	83·7	84·7	86·8	85·6	84·1	82·9	82·1	82·7	84·1	86·4	87·0	83·2	80·0	78·5	79·6	83·2	88·4	91·2	87·4
11	86·0	85·4	84·9	84·4	84·0	84·7	85·5	86·1	82·3	84·5	83·6	83·2	83·9	85·6	86·6	86·3	82·7	81·5	80·3	82·0	85·4	89·1	88·2	86·2
12	85·5	85·5	85·0	84·2	83·9	83·9	84·3	84·4	84·2	84·6	83·7	83·1	83·2	84·1	84·1	83·4	80·7	81·9	80·5	80·9	83·2	85·5	82·7	81·0
13	83·8	83·0	82·1	81·7	81·4	81·7	82·5	83·0	82·3	81·2	80·2	79·9	80·7	82·2	82·9	82·9	78·8	77·1	76·4	77·8	81·4	84·1	84·3	81·8
14	82·8	82·4	82·0	81·4	81·4	82·2	83·9	85·0	81·6	80·8	80·2	79·9	81·0	83·5	86·2	86·3	79·5	77·9	77·3	78·7	83·6	90·3	91·1	87·6
15	85·2	84·7	84·0	83·4	83·1	83·7	84·8	84·3	85·0	83·4	82·6	82·0	82·8	84·7	86·1	85·7	83·7	81·3	79·6	80·8	84·0	89·0	88·3	85·2
16	85·1	84·4	83·8	83·1	83·1	83·1	84·4	85·3	84·3	83·1	82·2	81·6	82·1	84·0	86·3	86·1	81·3	79·8	78·7	79·9	83·4	89·9	90·1	86·0
17	85·3	84·5	83·8	83·1	82·7	83·0	84·0	84·4	84·9	83·6	82·9	81·7	82·5	83·5	84·9	84·7	82·1	79·2	78·2	79·2	82·4	86·1	86·1	83·2
18	84·3	83·4	82·7	82·9	81·8	82·5	84·0	85·3	82·5	81·1	81·0	80·4	81·0	83·7	87·1	86·7	79·7	78·1	76·5	77·8	82·0	90·6	91·3	87·1
19	84·8	84·8	84·2	83·2	82·9	83·6	85·6	86·7	83·5	83·5	82·7	81·6	81·6	85·4	88·2	87·6	81·7	80·0	78·6	78·8	81·4	93·2	92·2	87·6
20	86·7	86·1	85·3	84·4	83·9	84·3	86·3	87·3	86·5	85·1	83·8	82·8	83·1	85·3	88·8	88·8	84·5	81·7	79·8	80·0	83·2	92·0	92·8	89·2
21	87·5	86·6	85·4	84·8	84·4	84·9	85·5	85·7	86·9	85·4	83·8	83·0	83·5	85·2	85·8	85·4	84·9	82·2	79·4	80·2	84·9	87·5	86·2	83·9
22	85·6	84·6	83·7	83·1	82·8	83·7	85·4	86·4	84·1	82·9	81·6	81·0	81·8	84·6	87·2	87·2	80·3	79·0	77·2	78·3	83·5	90·5	91·2	87·4
23	84·8	85·7	84·8	83·9	83·5	84·4	86·0	87·4	85·5	84·4	83·1	81·8	82·8	85·4	88·3	88·3	83·7	80·6	78·8	79·2	84·0	92·2	93·0	88·4
24	87·3	86·3	85·4	84·4	83·9	84·4	86·3	87·2	86·6	84·7	83·4	82·1	82·7	85·7	88·7	88·3	83·8	80·5	78·4	79·0	83·6	92·6	92·6	88·6
25	87·3	86·7	86·8	85·1	84·4	85·0	87·1	88·1	86·6	85·4	84·2	83·1	83·7	86·0	89·7	89·7	84·5	83·3	81·0	80·4	84·6	93·7	94·8	90·7
26	88·3	87·4	86·7	85·9	85·3	85·4	86·8	87·5	88·0	86·6	85·1	84·1	84·1	86·0	88·5	88·4	86·0	83·2	81·2	81·0	83·9	91·4	91·5	88·5
27	87·3	86·7	85·6	84·8	84.5	85·3	87·2	88·2	86·7	85·4	83·7	83·0	83·5	87·0	89·8	89·4	84·0	82·0	79·7	80·8	84·5	95·0	94·0	89·5
28	88·2	87·4	86·7	85·8	84·3	85·7	86·8	87·6	88·0	86·3	85·1	84·4	84·5	86·5	88·6	88·5	86·2	83·4	81·9	81·8	85·9	91·6	92·5	88·7
29	87·8	86·8	86·2	85·4	85·0	85·4	87·9	87·7	87·4	85·4	84·4	83·7	84·1	86·3	89·2	88·9	87·4	82·1	80·7	81·2	85·6	92·4	93·2	89·6
30	87·8	87·1	86·1	85·6	84·9	85·6	86·8	87·7	87·3	86·0	84·4	83·8	84·2	86·8	89·1	88·7	85·2	83·3	80·9	81·6	85·4	93·8	93·2	89·2
31	87·6	87·1	86·2	84·4	84·8	84·9	85·7	86·2	87·3	85·8	84·7	83·5	83·7	85·4	87·9	86·4	85·4	82·8	80·9	80·9	84·1	89·5	89·7	85·2
Mean	86·39	85·77	85·09	84·35	84·25	84·40	85·70	86·14	85·64	84·52	83·52	82·70	83·19	85·32	87·47	87·21	83·45	81·34	79·78	80·42	83·99	90·64	90·63	87·03

* Direct. ** Retrograde.

TABLE XII.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of DECEMBER 1915.

Station. / Day.	River System No. 1.						River System Nos. 2 & 3.			River System No. 4.			River System No. 5.			
	Grand Gaube. §	St. Antoine.	Labourdonnais.	Beau Sejour.	Botanic Gardens.	Nouvelle Découverte. *	Riche Fund. §	Constance d'Arifat. §	St. Julien. P.O.	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
Dec. 1d		0·04	0·11	0·01	...	...			0·10	0·16	...	...	...	...	...	...
2		0·05	...	0·60	0·12	0·11			...	...	...	...	0·33	0·06	...	...
3		0·03	...	0·04	0·03	0·02			...	...	...	...	0·30	...	...	...
4		...	...	...	0·04	...			...	...	...	...	0·06	...	...	...
5		...	...	0·14	0·14	0·24			0·09	...	...	0·13	0·32	0·60	0·51	0·06
6		...	...	0·05	...	0·09			0·12	...	...	...	...	...	0·05	...
7		...	0·40	...	0·01	...			...	0·57	...	...	...	...	...	0·50
8		0·14	0·10	0·69	0·60	0·74			...	0·15	1·05	0·79	0·55	0·75	0·66	...
9		...	...	0·22	...	0·42			0·84	...	0·13	...	...	...	0·14	...
10		...	...	...	0·01	...			...	0·50	...	...	2·02	...	...	...
11		...	...	...	...	...			...	1·00	...	...	...	2·45	...	2·25
12		0·13	0·11	...	0·04	0·03			0·16	0·60	0·39	1·92	...	0·30	1·33	1·00
13		0·08	0·08	0·14	0·15	0·13			0·26	1·05	0·83	0·58	1·10	0·80	0·79	0·09
14		0·07	0·10	0·20	...	0·18			0·58	0·22	1·03	1·08	2·30	0·70	0·58	0·05
15		0·05	0·05	0·18	0·10	0·02			...	0·32	...	...	1·57	0·40	0·23	0·22
16		0·05	0·40	0·15	0·04	0·63			0·85	...	0·41	0·43	0·62	0·50	0·08	0·15
17		0·18	...	0·54	0·48	1·08			0·98	0·40	0·26	0·19	0·79	0·30	0·36	0·41
18		0·07	...	0·09	0·01	0·29			0·22	...	0·22	0·30	0·52	0·45	0·43	0·20
19		...	0·02	...	...	0·06			0·15	0·48	0·29	...	0·04	...	...	0·05
20		...	...	0·02	0·04	0·09			...	...	...	0·27	...	...	...	...
21		...	...	...	...	...			...	...	...	...	...	...	...	0·02
22		...	...	0·04	0·03	0·03			...	...	...	...	0·03	...	...	...
23		...	...	...	0·02	0·02			...	...	0·13	...	...	...	...	...
24		...	...	...	...	...			...	...	...	...	...	...	...	0·05
25		...	...	...	...	...			0·02	...	...	...	...	...	...	...
26		...	...	...	...	0·02			0·42	0·24	0·12	0·15	0·26	...	...	0.09
27		...	0·37	0·10	0·03	...			...	...	...	...	0·09	...	...	0·13
28		0·23	...	0·16	0·02	...			...	...	0·09	...	0·41	0·37	0·41	...
29		...	0·20	...	...	...			0·42	...	...	...	0·09	...	...	...
30		0·06	0·05	0·07	0·07	0·24			0·25	0·84	...	...	0·13	...	0·12	0·05
31		0·10	0·14	0·09	0·12	0·44			0·32	1·05	0·32	0·07	0·26	...	0·18	...
Total ...	...	1·28	1·95	3·53	2·10	5·88	...	...	5·78	7·58	5·27	5·91	11·79	7·68	5·87	5·32

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received.

TABLE XII (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of DECEMBER 1915.

Station. / Day.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	La Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion.	Mare aux Vacoas. †	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins,	ins.
Dec. 1d	...	...	..	...	0·03	...	0·39		...	...		...	...	0·37		...
2	0·05	0·32	0·35	...	0·24	0·08	0·09		...	0·17		0·15	0·62	0·26		0·05
3	...	0·04	0·30	...	...	...	...		...	0·04		0·12	0·04	...		0·05
4	...	...	...	...	...	...	...		...	...		...	0·01	...		...
5	0·28	0·66	...	0·83	0·25	...	...		...	...		...	...	0·30		...
6	...	...	...	...	...	...	...		...	...		...	0·03	...		..
7	...	...	...	...	...	...	...		0·62	...		...	0·04	0·32		1·29
8	0·86	0·67	0·42	0·10	0·69	0·26	0·79		0·53	0·68		0·83	1·00	0·03		...
9	0·18	1·48	0·50	2·77	0·29	...	...		...	...		...	0·04	...		...
10	...	...	...	...	...	...	...		...	...		...	...	...		...
11	...	...	...	...	...	...	...		...	...		...	...	0·05		...
12	0·74	0·30	0·83	0·98	0·98	0·86	0·86		1·01	...		...	...	0·50		0·02
13	1·76	4·05	1·50	1·69	0·99	1·29	0·03		...	0·56		0·51	0·36	0·11		1·44
14	2·47	1·42	2·14	2·15	1·82	0·83	...		0·15	...		...	0·38	0·04		...
15	0·16	0·16	1·35	0·07	0·16	...	...		0·74	...		...	...	0·45		...
16	0·17	0·28	0·42	0·16	0·20	0·44	0·68		...	0·14		0·14	0·16	1·74		0·21
17	0·23	0·26	0·85	0·64	0·18	0·11	0·25		0·14	0·56		0·50	0·44	0·54		0·07
18	0·16	0·59	0·35	0·54	0·23	0·05	0·19		...	0·22		0·14	0·15	0·12		0·04
19	0·07	0·03	0·05	0·12	0·03	...	...		...	...		0·05	...	0·09		...
20	0·08	0·05	0·02	0·12	0·05	...	...		0·08	0·10		...	0·05	...		...
21	...	...	...	...	...	...	0·09		...	...		...	0·03	0·10		...
22	...	...	0·14	...	...	...	...		0·08	0·04		...	0·01	...		...
23	0·03	...	0·06	...	0·04	...	...		...	...		...	0·03	...		...
24	...	0·04	0·05	...	...	...	...		...	...		...	...	...		...
25	...	...	0·02	...	...	...	...		0·55	...		...	...	...		...
26	0·02	...	0·06	...	0·04	...	0·09		...	...		...	...	0·24		...
27	...	0·12	0·24	...	...	...	...		...	0·08		...	0·02	0·23		...
28	0·24	0·54	0·30	0·47	0·41	...	...		...	...		...	0·03	0·04		...
29	...	...	0·03	...	...	0·10	...		...	...		...	0·01	0·05		...
30	0·06	0·12	0·20	0·20	0·38	0·08	0·45		0·04	0·14		...	0·03	0·30		0·03
31	0·01	0·16	0·40	...	0·21	0·18	0·27		0·13	0·67		0·50	0·26	0·50		0·06
Total ...	7·57	11·29	10·58	10·84	7·20	4·28	4·18	...	4·07	3·40	5·47	2·94	3·74	6·38	...	3·26

Observations discontinued.

* Estate. § Record not received. † Daily fall not received.

TABLE XIII.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.

DECEMBER 1915.

Royal Alfred Observatory, Pamplemousses.

Hour Ending. \ Day.	1d.	2d.	5d.	7d.	8d.	12d.	13d.	14d.	15d.	16d.	17d.	19d.	22d.	26d.	28d.	29d.	30d.	31d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1h	...	...	·030	...	·020	...	·010	...	...	...	·210	...	...	...	...	...	·005	...
2	...	...	...	...	...	·030	·005	...	...	...	·005	...	...	...	...	...	...	·030
3	...	...	·005	...	...	...	·030	...	...	...	·010	...	...	...	...	...	...	·010
4	...	...	·005	...	...	...	·010	...	...	...	·025	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	·120	...	...	...	...	...	·005	...
6	...	·090	·005	...	...	·010	...	...	...	...	...	...	...	...	·030	...	...	·010
7	...	·020	·020	...	·010	...	...	...	...	...	·010	...	...	...	...	...	...	·010
8	...	...	...	·010	·020	...	·005	...	...	·030	...	...	...	...	...	...	...	...
9	...	...	...	...	·080	...	...	...	·145	...	...	...	...	...	·020	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	·020	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	·375	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	·010	...	...	·005		...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·040
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·025
17	...	...	...	...	...	·025	...	...	...	...	...	...	...	...	...	...	...	·015
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	·010	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	·010	...	...	...	...	...	...	...	...	...	...	...	·085
21	...	...	...	...	...	·005	...	...	...	·030	·070	...	·010	...	...	...	...	·005
22	...	...	...	...	...	·010	...	...	...	...	...	·050	·010	...	...	·010	...	·015
23	...	...	...	·010	...	·005	...	...	...	·050	...	...	...	...	...	...	...	...
Midnight	...	...	...	...	...	·005	...	·020	...	·130	...	...	...	...	...	...	·015	...

Britannia Estate, Grand Port. (Station No. 2)

Hour Ending. \ Day.	1d.	3d.	4d.	7d.	8d.	9d.	11d.	12d.	13d.	14d.	15d.	16d.	17d.	18d.	19d.	20d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins
1h	...	...	...	...	...	...	...	...	...	...	...	·01	...	...	·01	·01	...	...	·01	...	...	...	·18	...	...	...
2	...	...	...	...	...	·61	...	...	...	...	...	...	·08	...	...	...	...	...	...	...	·03	...	...	...	...	·01
3	...	...	...	...	...	...	...	...	...	...	...	...	·05	...	...	...	...	·01	...	...	...	...	...	...	·01	...
4	...	...	...	...	...	...	...	...	...	·02	...	...	·10	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	·01	...	...	...	...	...	...	...	...	...	...	...	...	...	·02	...	...	...	...
6	...	...	...	...	...	...	...	·04	...	...	...	·05	...	...	...	...	...	...	...	...	...	...	...	...	·02	...
7	...	...	...	...	...	...	...	·02	...	·04	...	·07	...	...	...	...	...	...	...	...	...	...	...	...	·02	...
8	...	...	...	...	...	...	...	·16	...	...	·03	...	...	...	...	...	...	...	...	...	...	...	...	·01	·02	·01
9	...	...	...	...	...	...	...	·40	...	...	·04	...	...	...	...	...	...	...	...	·04	...	...	...	...	...	...
10	...	...	...	...	·01	...	...	·24	...	·02	·01	...	·02	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	·03	...	...	·16	·12	...	·08	...	·10	...	...	...	...	...	...	...	...	...	...	·01	...	·05
Noon	...	·02	·01	...	...	·03	...	·22	·11	...	·03	...	·05	...	...	...	...	...	...	...	...	...	...	...	·02	·07
13h	...	...	...	...	...	...	·01	·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·01	...
14	...	...	...	...	...	...	·01	·28	·06	...	...	...	·11	...	...	...	...	...	...	...	...	...	...	...	...	·04
15	...	...	...	...	...	...	·05	...	...	...	...	...	·01	...	...	...	...	...	...	...	...	...	...	·01	...	·01
16	...	...	...	·03	...	...	...	...	...	...	...	·02	...	...	...	...	·02	...	...	...	...	...	...	...	...	...
17	...	...	...	...	·22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·01	...	...
18	...	...	...	...	...	...	·09	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	·04	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	·13	...	...	...	...	·01	...	...	...	...	·01	...	...	...	...	...	...	...	...	...	...	...
21	...	·01	·01	...	...	...	...	...	...	...	...	...	...	...	·04	...	...	...	...	...	...	...	...	...	·01	...
22	...	...	·02	...	...	...	...	...	·02	·08	...	...	...	...	...	...	...	...	...	...	...	...	...	·03	...	...
23	...	...	...	...	...	...	·02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	·10	...	·04	...	...
Midnight	·03	...	...	...	·08	...	...	...	...	...	...	...	...	·02	...	...	...	...	...	...	·01	·17	...	·31	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of DECEMBER, 1915 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall	Normal.	Number of days.
			Feet.	ins.	ins.	
1	1	Mare Sèche ...	20	1·56	4·08	11
	2	Union *	200	1·74	...	18
	3	St. Antoine ...	50	1·28	3·58	14
	4	Bel Mont	50	1·48	5·41	12
	5	Poudre d'Or ...	20	1·22	3·98	10
	6	Poudre d'Or Hospital §	10	...	...	...
	7	Mon Loisir (R) ...	300	1·94	4·16	14
	8	Mon Loisir (S.E.) ...	300	1·50	4·78	12
	9	Forbach	300	2·03	2·91	8
	10	Labourdonnais ...	290	1·95	5·41	13
	11	Beau Séjour ...	300	3·53	5·70	19
	12	Mont Piton ...	860	3·45	8·23	18
	13	Mon Choix... ...	700	3·12	7·52	14
	14	Antoinette	640	3·09	6·37	19
	15	California	850	2·74	7·31	11
	16	Nouvelle Découverte	1,400	5·88	7·86	20
	17	Mon Songe... ...	620	4·25	6·61	17
	18	La Grande Rosalie ...	643	2·62	6·30	11
	19	The Mount ...	325	2·16	5·41	10
	20	Botanic Gardens ...	225	2·10	5·84	20
	21	Beau Plan ...	195	1·91	4·62	12
	22	The Observatory ...	179	2·16	4·86	18
	23	Solitude	175	1·48	1·08	9
	24	St. André ...	90	2·69	1·75	7
	25	Belle Vue Harel ...	350	2·42	3·24	14
	26	Mont Choisy ...	10	1·73	2·93	12
	27	Belle Vue Pilot* ...	...	2·29	...	16
	28	Petite Rosalie * ...	...	2·60	...	17
2&3	1	Union Sugar Estate.	600	3·54	5·33	19
	2	La Grande Retraite	350	3·76	7·32	13
	3	Constance d'Arifat§ .	100	...	...	...
	4	St. Julien P.O. * ...	1,050	5·78	...	16
	5	Rich Fund§ ...	600	...	...	...
	6	Constance (Manès)*	...	3·66	...	13
	7	Queen Victoria * ...	...	4·33	...	19
	8	Belle Mare ...	...	...	...	...
	9	Constance La Gaieté *	...	2·54	...	16
4	1	Sans Souci	900	7·58	10·13	14
	2	Etoile	400	5·27	8·02	13
	3	Beau Champ ...	20	5·91	3·89	11
	4	Belle Rive * ...	400	6·55	...	18
	5	Olivia	400	5·65	6·41	16
	6	Deep River* ...	350	9·49	...	15
5	1	Rose Belle* ...	850	11·79	...	20
	2	Cent Gaulettes ...	500	12·54	11·57	17
	3	St. Hubert* ...	400	12·89	...	15
	4	Riche-en-Eau ...	460	7·68	8·36	12
	5	Ferney	20	5·87	8·47	14
	6	Beau Vallon (R) ...	60	5·32	6·56	16
	7	Union Vale... ...	200	12·39	6·91	9
5 (cont.)	8	Mon Désert(Carié)...	75	9·83	4·74	14
	9	Riche Bois * ...	1,420	12·98	...	15
	10	Cluny§	1,000	...	...	...
	11	Virginia Estate* ...	...	12·79	...	13
6	1	Kanaka	2,000	8·73	9·25	17
	2	Tivoli ...	1,300	8·61	11·07	18
	3	La Flora*	1,050	10·58	...	23
	4	Britannia (No. 1)...	730	11·29	9·34	19
	4 a	Britannia (No. 2)*	600	5·52	...	26
	5	Gros Bois	500	8·24	9·54	19
	6	Savannah (Residence)	200	7·70	7·54	11
	7	Savannah, (Mill) ...	200	6·53	7·01	12
	8	St. Aubin	300	7·57	8·09	18
	9	Union Bel Air ...	90	7·83	6·93	12
	10	Beau Bois	350	7·20	9·34	19
	11	Labarracq * ...	250	10·84	...	14
	12	St. Avold * ...	900	8·95	...	14
	13	Terracine	100	5·57	6·11	17
7,8&9	1	Bel Ombre ...	50	4·28	...	11
	2	Chamarel ...	400	4·18	6·28	12
11	1	Les Gorges* ...	...	5·77	...	9
	3	Curepipe Gardens ...	1,840	3·78	8·66	22
	4	Mare-aux-Vacoas ...	1,850	5·47	12·05	22
	5	La Marie Filter Bed	1,700	3·94	7·96	16
	6	Réunion	1,420	3·40	8·91	12
	7	Tamarin *	150	4·07	...	11
	8	Clarens §	150	..	...	...
	9	Les Salines (B. R.) *	...	...	...	...
12	1	The Manse ...	850	2·22	6·00	11
	2	The Bower ...	1,080	3·77	...	...
	3	Le Réduit (D.of A.)	1,000	3·74	8·05	22
	4	Alma	1,460	6·38	10·58	21
	5	Minissy *	1,150	3·59	...	10
	6	Bagatelle ...	1,250	3·92	8·74	18
	7	Highlands * ...	1,300	4·07	...	12
	8	Trianon	950	3·54	6·74	9
	9	Salency	923	2·94	6·09	9
	10	Military Camp (V.)§	1,370	...	...	...
	11	La Ferme * ...	350	3·26	...	10
	12	Bon Air	1,050	3·78	6·09	14
	13	Val Ory	1,100	3·91	7·17	19
	14	Pieter Both (Este.)*	...	5·18	...	10
	15	Roslyn Cot. (Este.)*	...	4·87	...	8
	16	Agrément (Estate) *	...	4·48	...	8
	17	Circonstance (Ete.)*	...	3·66	...	8
13	1	Salines(Roche Bois)§	10	...	...	...
	2	The Albion Dock ...	18	1·01	3·74	6
	3	Line Barracks§ ...	10	...	...	...

* Normals not available § Record not received 4 a Bon Acceuil.

TABLE XV.—STATE of SEA on the reefs at eight STATIONS round the COAST of MAURITIUS.

(*The direction of the wave, if any, is given for Port Louis only.*)

Day 1915.	Port Louis (N. to W.N.W.)	Trou aux Biches (N. to S.W.)	Grand Gaube (N. to S.E.)	Poudre d'Or (N.N.E. to E.S.E.)	Old Grand Port (E. to S.E.)	Souillac (South)	Baie du Cap (S.S.W.)	Case Noyale (W. to S.W.)
Dec. 1	swell from N.	calm	calm	calm	calm	calm	calm	calm
2	,,	...	,,	mod.	,,	,,	,,	,,
3	...	calm	...	calm	,,	,,	,,	,,
4	...	,,	calm	,,	,,	,,	,,	,,
5	...	,,	...	mod.	mod.	,,	,,	,,
6	...	,,	...	calm	calm	,,	,,	,,
7	...	,,	...	,,	,,	,,	,,	,,
8	moderate N.W.	,,	calm	,,	...	,,	,,	,,
9	calm	,,	,,	,,	calm	,,	,,	,,
10	light N.	,,	,,	,,	,,	,,	,,	,,
11	...	,,	...	,,	,,	,,	,,	,,
12	light N.W.	,,	...	,,	,,	light	light	,,
13	calm	,,	...	,,	,,	,,	,,	,,
14	,,	,,	calm	,,	,,	calm	calm	,,
15	,,	,,	,,	,,	,,	mod.	,,	,,
16	,,	,,	,,	,,	,,	calm	,,	,,
17	,,	,,	,,	,,	,,	,,	,,	,,
18	,,	,,	light	,,	,,	,,	,,	,,
19	,,	,,	...	,,	,,	,,	,,	,,
20	,,	,,	light	,,	,,	,,	,,	,,
21	,,	,,	,,	,,	,,	,,	,,	,,
22	,,	,,	,,	,,	,,	,,	,,	,,
23	,,	,,	calm	,,	,,	,,	,,	,,
24	,,	...	,,	,,	,,	,,	,,	,,
25	,,	calm	,,	,,	,,	,,	,,	,,
26	,,	,,	...	,,	,,	,,	,,	,,
27	,,	,,	calm	...	,,	,,	,,	,,
28	swell from N.	,,	,,	...	,,	,,	...	...
29	calm	,,	,,	calm	,,	,,	...	...
30	swell from N.	,,	...	,,	,,	,,	calm	calm
31	,,	,,	light	,,	mod.	mod.	,,	,,

TABLE XVI.—DAILY OBSERVATIONS received by CABLEGRAM from the reporting station at RODRIGUES in charge of the SUPERINTENDENT of the EASTERN TELEGRAPH COMPANY.

Day 1915.	Barometric Pressure at 9 a.m. (corrected for Temperature.)	Wind. Direction at 9 a.m.	Wind. Number of miles run for 24 hours.	Amount of Rain measured at 9. a.m.	Weather.
	ins.		miles.	ins.	
Dec. 1	29·897	E.b.S.	448	...	partially cloudy.
2	907	E.b.N.	212	...	fine.
3	920	E.	272	...	,,
4	...	...	...	...	...
5	907	E.b.N.	314	...	fine clear.
6	871	E.b.N.	421	...	,,
7	848	E.b.N.	373	·05	,,
8	873	E.N.E.	190	·13	,,
7	881	S. W.	335	·01	fine.
10	890	E.b.N.	381	...	fine clear
11	904	E.b.N.	305	...	,,
12	859	N.E.	102	...	fine.
13	875	E.b.N.	92	...	cloudy.
14	881	E.N.E.	93	·30	partially cloudy.
15	866	S.E.b.S.	264	·03	cloudy ; showery.
16	890	S.E.	333	·83	var : & showery.
17	949	S.E.b.E.	434	...	fine.
18	922	E.b.S.	369	·01	fine clear.
19	889	E.S.E.	292	...	fine
20	871	S.S.E.	239	·01	cloudy ; showery.
21	883	S.S.E.	150	...	fine.
22	838	S.	112	·05	,,
23	824	S.E.	173	·03	,,
24	875	S.E.b.E.	133	·04	var : & showery.
25	895	E.S.E.	319	...	fine clear
26	920	E.S.E.	290	·01	cloudy.
27	870	E.S.E.	280	·16	fine.
28	871	S E.b.E.	283	·02	fine clear.
28	854	E.b.N.	291	·02	showery.
30	871	E.b.S.	353	·02	fine.
31	867	S.	283	·14	var : & showery.
Mean	29·882	...	271	1·86	.....

THE CYCLONE OF DECEMBER 31ST 1915 TO JANUARY 5TH 1916.

The strong trades which were observed over the ocean areas in the vicinity of Mauritius from December 23rd to 30th, combined with the north-westerly winds which had become established over the equatorial regions, gave rise to the disturbed weather in the tropical area of the South Indian Ocean which were notified in the Harbour weather signals on the 28th.

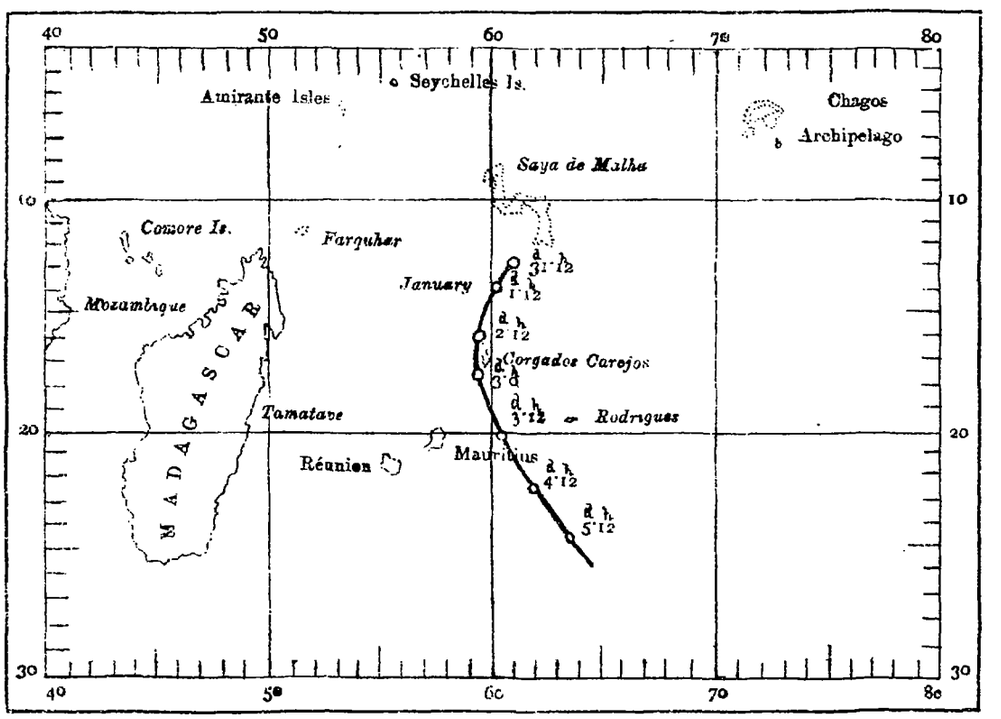
The existence of a definite cyclonic circulation was first felt at Mauritius during the afternoon and evening of December 31st and the cyclonic sea wave reached the northern shores early on the morning of January 1st.

Notification of its existence was first given in the Harbour weather signals on January 1st when the flag E (Distinct evidence of existence of cyclonic storm) was flown in the N.E. quadrant. On the 2nd, flag H was flown (Cyclone or storm travelling on S.W. track) in the same quadrant. It was not until 5 p.m. on the 2nd that Mauritius came within the 500 kilometre limit.

From the moment of origin it was strikingly evident that Mauritius was situated in the right hand advancing quadrant; high velocities were not in consequence experienced: in fact some of the highest velocities occurred before the cyclone formed owing, apparently, to a steep gradient from the South-East toward the equator, so that the strong winds of the 31st and 1st cannot be considered as forming part of the cyclonic gyration at all, although the diminishing pressure in the cyclonic area steepened the already existing gradient.

The track of this cyclone is given in the accompanying diagram, and the observations at various stations in the South Indian Ocean and on board ships near the disturbed area will be found in the accompanying tables.

TRACK OF CYCLONE DEC. 31st 1915-JAN. 5th 1916.



1915 December 29

Number of Vessel in Register.	Position at Noon. Lat. (S.)	Position at Noon. Long. (E.)	Barometric Pressure at sea level. 9 h.	Barometric Pressure at sea level. Noon.	Barometric Pressure at sea level. 15 h.	Maximum Temperature. (cent).	Wind Direction and Force. (Beaufort Scale). 9 h.	Wind Direction and Force. (Beaufort Scale). Noon.	Wind Direction and Force. (Beaufort Scale). 15 h.	Remarks.
	°	°	mbs.	mbs.	mbs.	°				
15278	16½	53¾	1012·2	1012·5	1011·5	...	S.E. (4)	S.E. (4)	S.E. (4)	c.p. high sea
15279	3	72¼	1011·8	1011·5	1009·8	28	S. (4)	S.W. (4)	S.W. (2)	f.p.
15280	11¼	57	...	...	...	...	S.E. (4)	S.E. (4)	S.E. (4)	c.q. E. swell
15281	1¼	57¼	...	...	...	...	N.E. (4)	N.E. (4)	N.E. (4)	f. following sea
Rodrigues		...	1016·3	...	1014·3	30	E. by N.	...	E.	p. sea rising : c.
Mauritius		...	1014·4	1013·7	1012·2	30	E. (3)	E. (3)	E. (4)	c. : c.p. : c. : c.q. : f. : c.p.
Seychelles		...	1012·0	...	...	...	N.W.	...	...	.....
Tamatave		...	...	1011·6	...	...	...	W.S.W. (1)	...	.....
Tananarive		...	...	1014·7	...	...	...	E. (2)	...	.....
Diego Suarez		...	...	1002·2	...	...	...	E. (3)	...	.....

1915 December 30.

15278	18	55¼	1012·2	1012·8	1012·5	...	S.S.E. (5)	S.E. (5)	S.E. (4)	c.q. high and rough sea
15279	4¾	70	1012·8	1012·5	1011·2	28	Var : (2)	S.W.b.W.(2)	S.W. (2)	c.p. slight sea
15280	14	56½	...	...	...	...	S.E. (5)	S.E. (6)	S.E. (6)	f. rough sea
15281	4¼	58½	...	...	...	...	N.N.W. (6)	W. (6)	W. (6)	f. rough sea : q. rough sea
15285	1½	56½	1012·5	1012·2	1009·8	27	N.N.E. (2)	N.N.E. (2)	N. (2)	f. slight sea
Rodrigues		...	1016·9	...	1015·3	...	E. by S.	...	E. by N.	f. sea rough
Mauritius		...	1014·8	1014·4	1013·4	27	E. by S. (5)	E. by S. (5)	E.S.E. (4)	c.p.: f.: c. : f.q.: c.p.q. c.q. : f.
Seychelles		...	1012·1	...	...	...	N.W.	...	...	.....
Tamatave		...	...	1014·6	...	...	...	S. (1)	...	.....
Tananarive		...	...	1018·0	...	...	...	E. (2)	...	.....
Diégo Suarez		...	...	1004·6	...	...	...	E.S.E. (2)	...	.....

1915 December 31.

15278	19¼	56½	1012·2	...	1012·5	...	S.E. (6)	S.E. (7)	S.E. (6)	r.q. high sea : c. high sea
15279	7½	67¼	1013·2	1012·5	1010·8	28	Var : (2)	Var : (2)	Var : (2)	f. slight sea
15280	16¼	56¼	...	...	...	...	S.E. (6)	S.E. (6)	S.E. (6)	c.r.q. high and rough sea
15281	8	58¾	...	...	...	...	W. (6)	W. (6)	W. (6)	hard q. confused sea
15283	25¾	35½	...	1010·8	...	...	Var : (4)	Var : (1)	S. (4)	f. slight sea
15285	4¾	57½	1011·8	1012·2	1010·5	...	W.N.W.(2)	W.N.W. (4)	W.N.W. (4)	c.p. slight swell
Rodrigues		...	1016·7	...	1015·0	30	E.	...	E.S.E.	c.p. sea rough : c.p.
Mauritius		...	1015·4	1014·5	1013·0	29	E.S.E. (4)	E. (4)	E. by S. (4)	c.p. : c.q.p. : f.q. : c.q.p. : f.q.
Seychelles		...	1012·5	...	...	...	N.W.	...	...	.....
Tananarive		...	...	1018·2	...	..	...	E. (1)	...	.....
Diégo Suarez		...	...	1004·3	...	...	...	E.S.E. (0)	...	.....

1916 January 1.

15278	Anchored		...	...	...	...	S.E.	...	...	.....
15279	10¼	65½	1013·2	1011·8	1010·1	29	Var : (2)	N.N.W. (2)	Var : (2)	f. moderate sea
15280	18¾	56¾	...	...	...	...	S.S.E. (6)	S.S.E. (6)	S.S.E. (6)	r.q. rough sea : r.q. of hurricane force rough sea
15281	10¾	58½	...	...	...	...	W. (8)	W. (8)	W. (8)	r.q. high sea : r.q. high sea: high S.E. swell
15282	3	55¼	1012·8	1012·8	1013·9	...	W. (2)	W. (2)	W.N.W. (4)	f. N.E. swell : o. N.W. swell
15283	25¾	38¼	...	1011·2	...	...	S. (6)	S. (6)	S. (6)	c. high beam sea : r.q. high swell
15284	1	53½	...	...	...	...	Var : (1)	Var : (1)	Var : (2)	f. slight sea: at midnight wind from W. (4)
15285	7½	57¾	1010·5	1009·8	1007·8	...	W.N.W. (4)	W.N.W. (4)	W.N.W. (4)	r.t. : c. mod. sea
Rodrigues		...	1016·6	...	1013·8	29	E. by S.	...	E. by S.	o.g.r. sea rough : o.g.r.
Mauritius		...	1013·6	1012·1	1010·5	30	E.	E.S.E.	E. by S.	f. : c.q.p. : c.q.: c.p. : c.p.

1916 January 2.

Number of Vessel in Register.	Position at Noon. Lat. (S.)	Position at Noon. Long. (E.)	Barometric Pressure, at sea level. 9 h.	Barometric Pressure, at sea level. Noon.	Barometric Pressure, at sea level. 15 h.	Maximum Temperature. (Cent).	Wind Direction and Force. (Beaufort Scale). 9 h.	Wind Direction and Force. (Beaufort Scale). Noon.	Wind Direction and Force. (Beaufort Scale). 15 h.	Remarks.
	°	°	mbs.	mbs.	mbs.	°				
15279	13	63½	1011·5	1011·5	1009·8	28	Var : (4)	Var : (4)	N. by E. (4)	f. : f. confused sea
15280	anchored		...	...	...	...	S.E.	...	...	q. rough sea : ...
15281	13½	57½	...	...	...	...	W. (8)	W. (8)	W. (8)	c.q. high sea : c. high sea
15282	6½	56¾	1012·2	1012·5	1010·8	...	N.W. (4)	N.W. (4)	W. (2)	c. mod. sea & swell: f. mod. S.E. swell
15283	25¾	41	...	1009·8	...	...	S.E. (7)	S.E. (7)	S.E. (7)	q. very high sea: c.q. very high sea
15284	4¾	54½	...	...	..	...	W. (4)	W. (4)	W. (4)	f. slight sea : f. mod. swell
15285	10¼	58¾	1009·5	1009·8	1008·1	30	W.N.W. (2)	W.N.W. (2)	W.N.W. (2)	f. moderate sea
Rodrigues		...	1013·8	...	1011·3	28	E. by S.	...	E. by S.	.....
Mauritius		...	1009·7	1008·2	1006·2	29	S.E. by E.	S.E.	E.S.E.	c.g.p. : c.g.p. :o.g.q.p.: o.g.p.
Seychelles		..	1012·0	...	...	...	N.W.	...	...	.....
Diégo Suarez		...	...	1002·2	...	...	...	N.W. (1)	...	.....

1919 January 3.

15279	15½	61½	1009·8	1008·8	1007·4	28	N. (4)	N. (4)	Var : (4)	f. rough sea
15281	16¾	57½	...	...	...	...	S.W. (6)	S.W. (6)	S.W. (6)	c.high S.E.swell: c. confused sea
15282	10¼	56½	1011·2	1011·2	1011·5	...	W. (4)	W. (2)	W. (4)	f. S.E. swell : f. mod. S.E. swell
15283	no obs :		...	1007·8	...	...	S.S.E. (6)	S.S.E. (6)	S.E. (6)	r.q. high conf. sea : f. high confused sea
15284	8¼	55¼	...	...	...	...	W. (4)	W. (2)	W. (4)	high swell : r.q. beam sea : high swell
15285	13	58	1007·8	1007·8	1006·7	28	W.N.W. (2)	W.N.W. (2)	W.N.W. (2)	f. slight sea
Rodrigues		...	1009·9	...	1008·2	28	E. by N.	...	E.N.E.	o.g.q.r.
Mauritius		...	1001·7	1001·0	1000·9	28	S. by W.	S.W.	S.W. by W.	o.g. : c.g. : o. : o.r. : o. : c.
Diégo Suarez		...	...	1002·0	...	...	...	S.W. (1)	...	.....

1916 January 4.

15279	18¼	59¼	1011·2	1011·2	1010·1	27	N.W. (4)	N.W. (4)	N. (4)	f. : f.S.E. swell
15281	anchored		...	...	...	...	W. (4)	W. (4)	W. (4)	f. confused : ...
15282	13½	56¾	1010·5	1011·8	1013·5	...	S. (2)	S. (2)	S. (2)	f.p. : p. mod. S.E. swell
15283	26	46¼	...	1009·8	...	...	S.E. (4)	S.E. (4)	S.E. (4)	f. high swell : f. high mod swell
15284	11½	54¾	...	...	...	...	calm	Var : (0)	S. (1)	c. slight sea : f. mod. swell
15285	16	57¾	1007·1	1007·1	1007·1	28	S.W. (2)	S.W. (2)	S.W. (2)	c. high swell : f. high swell
Rodrigues		...	1013·3	...	1011·8	29	N.E.	...	N. by E.	c. : f.
Mauritius		...	1010·2	1008·6	1008·3	30	W.	W.	S.W. by W.	c.p. : c. : f. : f. f.
Seychelles		...	1012·1	...	...	...	N.N.E.	...	...	.....
Tamatave		...	...	1006·3	...	...	..	S.E. (0)	...	.....
Tananarive		...	...	1008·8	...	...	...	W. (1)	...	.....
Diégo		...	...	1002·0	...	...	...	W.N.W. (2)	...	.....

1916 January 5.

15279	anchored		1011·5	...	...	...	Var :	...	...	f. high swell: ...
15282	17¼	57¼	1012·8	1014·9	1014·9	27	S.E. (2)	S.E. (2)	S. (2)	f. S.E. swell :f. high S. swell
15283	24¾	49	...	1015·6	...	...	E.N.E. (2)	N.E. (2)	E. (2)	f. high swell : f. mod. swell & sea
15284	14¾	56¼	...	...	...	...	S.E. (2)	S.E. (2)	S.E. (2)	c. high swell : c. high swell
15285	18¾	57½	1012·2	1012·2	1012·2	...	calm	calm	calm	f. high swell
Rodrigues		...	1014·9	...	1013·5	31	W.N.W.	...	W.N.W.	f. sea smooth
Mauritius		...	1012·4	1012·2	1011·2	31	W. b. S.	S.W. by W.	E.	f. : b. : b. : f. : f. : c. : c.
Seychelles		...	1012·9	..	...	...	N.E.	...	...	.....
Tamatave		...	...	1010·8	...	...	...	...	...	.....
Tananarive		...	...	1009·8	...	...	...	W. (1)	...	.....
Diégo		...	...	1002·0	...	...	...	W.N.W.	...	.....

Index to Vessels.

Number of Vessel in Register.	Ship's Name.	Number of Vessel in Register.	Ship's Name.	Number of Vessel in Register.	Ship's Name.	Number of Vessel in Register.	Ship's Name.
15278	S.S. Venturoor	15280	S.S. Messidor	15282	S.S. Zambesi	15284	S.S. Southville
15279	S.S. Querimba	15281	S.S. Stagpool	15283	S.S. Aden	15285	S.S. Maston

The observations given in the above tables and the record of hourly observations at Mauritius contained in the text of this bulletin (pp. 4 to 12) furnish material for the detailed study of the formation and progression of the storm.

The angle between the direction of the wind at Mauritius and the line joining the position of the centre varied from 7 points at the moment of origin to 10 points with the centre N.E. by E. while the angle at Rodrigues, in the *left hand* advancing quadrant varied from 11 points to 14 points.

The difference in velocity of the wind at the two stations was even more marked. Up to 9 a.m. on the 2nd the centre was about equidistant from the two stations, but Rodrigues experienced an average velocity of 7·2 metres per second (16 miles per hour) while Mauritius recorded only 5·0 metres per second (11½ miles per hour). From January 2nd at 9 a.m. to the 3rd at 9 a.m. the centre was much nearer to Mauritius than to Rodrigues and yet the latter station recorded an average of 11·5 metres per second (26 miles per hour) while Mauritius recorded an average of only 9·5 metres per second (21 miles per hour).

In the above tables metric units have been employed as this system was introduced on January 1, 1916.

The following telegrams, in addition to the Harbour weather signals, were issued to the Port Office.

January $2^d.17^h$. Conditions indicate slow approach.

$2^d.20^h$. Slow progression noted at 17^h apparently due to curving. Except occasional squalls increase of wind unlikely.

$3^h.\ 4^d$. Night conditions confirm curving. On present track barometer may fall till noon with possible slight increase of velocity.

$3^h.\ 9^d$. Rate of progression increased rapidly. Centre will probably pass about 150 miles S.W. Rodrigues this afternoon. No more telegrams.