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NEW SERIES (MONTHLY). VOL. II. PART 1.

PRICE R. 0.75.

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RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY, 1916.

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RESULTS OF MAGNETICAL OBSERVATIONS.

SEPTEMBER Bulletin page (iv). *Mean Declination West.*

2nd	*for*	9°.40'.4	*read*	9.40.3
11th	„	42.2	„	42.3
21st	„	41.4	„	42.3
Mean	„	41.93	„	41.96

Mean Horizontal force.

22nd	*for*	·23212	*read*	·23211

RANGE DECLINATION.

1st	*for*	12.6	*read*	12.8

RANGE VERTICAL FORCE.

8th	*for*	52	*read*	53

OCTOBER Bulletin page (iv). *Mean Declination West.*

11th	*for*	41.9	*read*	42.0
Mean	„	9.42.71	„	9.42.72

Range Declination.

Mean	*for*	7.10	*read*	7.70

NOVEMBER Bulletin page (iv). *Mean Horizontal Force.*

28th	*for*	·23221	*read*	·23211

DECEMBER Bulletin (p. iv) for MEAN VERTICAL FORCE and RANGE of VERTICAL FORCE substitute the following :

·30773	25
768	28
772	14
770	23
766	23
773	48
780	28
772	28
769	36
769	29
768	28
768	27
766	24
761	29
768	15
768	16
766	19
765	10
763	30
761	22
760	26
756	23
756	22
758	14
752	21
755	8
753	23
753	14
750	16
751	5
750	11
·30763	21.9

PREFACE.

Beginning with the year 1916 metric units have been employed in the work and publications of the Royal Alfred Observatory. Tables for converting from the British to Metric units will be found at the end of this Preface. The conversion factors and constants adopted are as follows :—

ATMOSPHERIC PRESSURE.

1 millibar = 1000 dynes per cm^2.
Acceleration due to gravity
$= G = g_{45} (1 - \cdot 00259 \text{ Cos. } 2\lambda) = 978\cdot677$ cm/sec^2. $g_{45} = 980\cdot617$ cm/sec^2.
Density of mercury at normal freezing-point of water = 13·5955.
1000 millibars = 29·5306 inches = 750·076 mm. of mercury at temperature 0° Cent. and gravity at 45° Latitude.

TEMPERATURE.

1° Centigrade = 1°·8 Fahrenheit.
Centigrade temperatures = $\frac{5}{9}$(Fah. − 32°).
Absolute Temperatures = 273 + centigrade temperature.

WIND VELOCITY.

1 mile per hour by Robinson Anemometer (using the factor 3.) = 0·32753 metres per second.
1 mile per hour by Robinson Anemometer (using the factor 2·2) = 0·44704 metres per second.
Pressure in lbs. per sq. foot = $\cdot015V^2$ (V = Velocity in metres per second)
" " grammes per cm^2 = $\cdot00733V^2$ (" " ")

LENGTH.

1 inch = 25·40 millimetres.

The tables are, with few exceptions, self-explanatory. In Table I—Daily Results of Magnetical Observations—the values in columns 1, 2 and 3 are derived from the hourly measures of the self-recording instruments by the formula

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

in which x_0, x_1, x_2, ... x_{24} represent the value of the element at the hours 0, 1, 2 . . . . 24 respectively. The same remark applies to columns 1, 6, 8, 21, 22 and 27 of Table VI.—Daily Results of Meteorological Observations.

In Tables IV & V —Hourly Observations of Magnetic Horizontal Force and Vertical Force—no corrections have been applied for the diurnal variation of temperature in the magnet basement. The range during any one day seldom exceeds 0°.1 Cent.

In Table VI—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 rainfall given in column 15, refers to the Civil Day counting from 0^h to 24^h.

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.

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 normal values of the meteorological elements have been derived from a discussion of the observations during different periods ending with December 1915:—Pressure 1875–1915 Temperature of the Air 1876–1915, of Evaporation, Dew Point and Relative Humidity 1891–1915, Resultant, Wind Direction and Velocity 1881–1915, Observed Velocity of the Wind 1876–1915.

The percentage variations of rainfall in the various districts given at the foot of page (vii) 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 XV) is measured about 9^h and the amount entered for the day on which it is measured.

The normal falls in Table XVII have been given in millimetres only and the monthly falls in millimetres and inches, at the request of some planters who have not yet become accustomed to the metric readings.

The state of the sea on the reefs at stations round the coast (Table XVIII) 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.

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, 1916.

A. WALTER,
Director.

TABLE for CONVERTING ATMOSPHERIC PRESSURE in MILLIBARS to the EQUIVALENT HEIGHT of the MERCURY COLUMN, in inches, at TEMPERATURE 0° CENTIGRADE and STANDARD GRAVITY of 45° LATITUDE.

(1 Millibar = 0·02953 inch.)

Millibars.	...	1	2	3	4	5	6	7	8	9	Table of Differences.	
	ins.										mb.	in.
910	26·873	26·902	26·932	26·961	26·991	27·021	27·050	27·080	27·109	27·139	·1	·003
920	27·168	27·198	27·227	27·257	27·286	27·317	27·345	27·375	27·404	27·434	·2	·006
930	27·463	27·493	27·523	27·552	27·582	27·611	27·641	27·670	27·700	27·729	·3	·009
940	27·759	27·788	27·818	27·847	27·877	27·906	27·936	27·965	27·995	28·025	·4	·012
950	28·054	28·084	28·113	28·143	28·172	28·202	28·231	28·261	28·290	28·320	·5	·015
960	28·349	28·379	28·408	28·438	28·467	28·497	28·527	28·556	28·586	28·615	·6	·018
970	28·645	28·674	28 704	28·733	28·763	28·792	28·822	28·851	28·881	28·910	·7	·021
980	28·940	28·969	28·999	29·029	29·058	29·088	29·117	29·147	29·176	29·206	·8	·024
990	29·235	29·265	29·294	29·324	29·353	29·383	29·412	29·442	29·471	29·501	·9	·027
1000	29·531	29·560	29·590	29·619	29·649	29·678	29·708	29·737	29·767	29·796	1·0	·030
1010	29·826	29·855	29·885	29·914	29·944	29·974	30·003	30·033	30·062	30·092		
1020	30·121	30·151	30·180	30·210	30·239	30·269	30·298	30·328	30·357	30·387		
1030	30·417	30·446	30·476	30·505	30·535	30·564	30·594	30·623	30·653	30·682		
1040	30·712	30·741	30·771	30·800	30·830	30·859	30·889	30·919	30·948	30·978		

TABLE for CONVERTING ATMOSPHERIC PRESSURE in MILLIBARS to the EQUIVALENT HEIGHT of the MERCURY COLUMN, in MILLIMETRES, at TEMPERATURE 0° CENTIGRADE and STANDARD GRAVITY of 45° LATITUDE.

(1 Millibar = 0·75008 millimetres.)

Millibars.	...	1	2	3	4	5	6	7	8	9	Table of Differences.	
											mb.	mm.
910	682·6	683·3	684·1	684·8	685·6	686·3	687·1	687·8	688·6	689·3	·1	·07
920	690·1	690·8	691·6	692·3	693·1	693·8	694·6	695·3	696·1	696·8	·2	·15
930	697·6	698·3	699·1	699·8	700·1	701·3	702·1	702·8	703·6	704·3	·3	·22
940	705·1	705·8	706·6	707·3	708·1	708·8	709·6	710·3	711·1	711·8	·4	·30
950	712·6	713·3	714·1	714·8	715·6	716·3	717·1	717·8	718·6	719·3	·5	·37
960	720·1	720·8	721·6	722·3	723·1	723·8	724·6	725·3	726·1	726·8	·6	·45
970	727·6	728·3	729·1	729·8	730·6	731·3	732·1	732·8	733·6	734·3	·7	·52
980	735·1	735·9	736·6	737·3	738·1	738·9	739·6	740·3	741·1	741·9	·8	·60
990	742·6	743·3	744·1	744·9	745·6	746·3	747·1	747·8	748·6	749·3	·9	·67
1000	750·1	750·8	751·6	752·3	753·1	753·8	754·6	755·3	756·1	756·8	1·0	·75
1010	757·6	758·3	759·1	759·8	760·6	761·3	762·1	762·8	763·6	764·3		
1020	765·1	765·8	766·6	767·3	768·1	768·8	769·6	770·4	771·1	771·9		
1030	772·6	773·4	774·1	774·9	775·6	776·4	777·1	777·9	778·6	779·4		
1040	780·1	781·6	782·4	783·1	783·9	784·6	785·4	786·1	786·9	787·6		

TABLE for CONVERTING VELOCITY of the WIND in METRES per SECOND to the EQUIVALENT VELOCITY in MILES per HOUR as RECORDED by the ROBINSON ANEMOMETER (USING the FACTOR 2·2.)

1 Metre per second = 2·23694 miles per hour.

Metres per second.	·0	·1	·2	·3	·4	·5	·6	·7	·8	·9	Metres per second.
					Miles per hour.						
0	...	0·2	0·4	0·7	0·9	1·1	1·3	1·6	1·8	2·0	0
1	2·2	2·5	2·7	2·9	3·1	3·4	3·6	3·8	4·0	4·3	1
2	4·5	4·7	4·9	5·1	5·4	5·6	5·8	6·0	6·3	6·5	2
3	6·7	6·9	7·2	7·4	7·6	7·8	8·1	8·3	8·5	8·7	3
4	8·9	9·2	9·4	9·6	9·8	10·1	10·3	10·5	10·7	11·0	4
5	11·2	11·4	11·6	11·9	12·1	12·3	12·5	12·8	13·0	13·2	5
6	13·4	13·6	13·9	14·1	14·3	14·5	14·8	15·0	15·2	15·4	6
7	15·7	15·9	16·1	16·3	16·6	16·8	17·0	17·2	17·4	17·7	7
8	17·9	18·1	18·3	18·6	18·8	19·0	19·2	19·5	19·7	19·9	8
9	20·1	20·4	20·6	20·8	21·0	21·3	21·5	21·7	21·9	22·1	9
10	22·4	22·6	22·8	23·0	23·3	23·5	23·7	23·9	24·2	24·4	10
11	24·6	24·8	25·1	25·3	25·5	25·7	25·9	26·2	26·4	26·6	11
12	26·8	27·1	27·3	27·5	27·7	28·0	28·2	28·4	28·6	28·9	12
13	29·1	29·3	29·5	29·8	30·0	30·2	30·4	30·6	30·9	31·1	13
14	31·3	31·5	31·8	32·0	32·2	32·4	32·7	32·9	33·1	33·3	14
15	33·6	33·8	34·0	34·2	34·4	34·7	34·9	35·1	35·3	35·6	15
16	35·8	36·0	36·2	36·5	36·7	36·9	37·1	37·4	37·6	37·8	16
17	38·0	38·3	38·5	38·7	38·9	39·1	39·4	39·6	39·8	40·0	17
18	40·3	40·5	40·7	40·9	41·2	41·4	41·6	41·8	42·1	42·3	18
19	42·5	42·7	42·9	43·2	43·4	43·6	43·8	44·1	44·3	44·5	19
20	44·7	45·0	45·2	45·4	45·6	45·9	46·1	46·3	46·5	46·8	20
21	47·0	47·2	47·4	47·6	47·9	48·1	48·3	48·5	48·8	49·0	21
22	49·2	49·4	49·7	49·9	50·1	50·3	50·6	50·8	51·0	51·2	22
23	51·4	51·7	51·9	52·1	52·3	52·6	52·8	53·0	53·2	53·5	23
24	53·7	53·9	54·1	54·4	54·6	54·8	55·0	55·3	55·4	55·7	24
25	55·9	56·1	56·4	56·6	56·8	57·0	57·3	57·4	57·7	57·9	25
26	58·2	58·4	58·6	58·8	59·1	59·3	59·6	59·7	59·9	60·2	26
27	60·4	60·6	60·8	61·1	61·3	61·6	61·7	62·0	62·2	62·4	27
28	62·6	62·9	63·1	63·3	63·6	63·8	64·0	64·2	64·4	64·6	28
29	64·9	65·1	65·3	65·6	65·8	66·0	66·2	66·4	66·7	66·9	29
30	67·1	67·3	67·6	67·8	68·0	68·2	68·4	68·7	68·9	69·1	30

Metres per second.	...	1	2	3	4	5	6	7	8	9
					Miles per hour.					
30	67·1	69·3	71·6	73·8	76·1	78·3	80·6	82·8	85·0	87·2
40	89·5	91·7	94·0	96·2	98·4	100·7	102·9	105·1	107·4	109·6
50	111·8	114·1	116·3	118·6	120·8	123·0	125·3	127·5	129·7	132·0
60	134·2	136·5	138·7	141·0	143·2	145·4	147·6	149·9	152·1	154·3
70	156·6	158·8	161·1	163·3	165·5	167·8	170·0	172·2	174·5	176·7

TABLE for CONVERTING READINGS on the CENTIGRADE and ABSOLUTE THERMOMETER SCALES into the EQUIVALENT READINGS on the FAHRENHEIT SCALE.

Absolute Scale.	Centigrade Scale.	*Fahrenheit Scale.*									
		·0	·1	·2	·3	·4	·5	·6	·7	·8	·9
275°	2°	35·6	35·8	36·0	36·1	36·3	36·5	36·7	36·9	37·0	37·2
276	3	37·4	37·6	37·8	37·9	38·1	38·3	38·5	38·7	38·8	39·0
277	4	39·2	39·4	39·6	39·7	39·9	40·1	40·3	40·5	40·6	40·8
278	5	41·0	41·2	41·4	41·5	41·7	41·9	42·1	42·3	42·4	42·6
279	6	42·8	43·0	43·2	43·3	43·5	43·7	43·9	44·1	44·2	44·4
280	7	44·6	44·8	45·0	45·1	45·3	45·5	45·7	45·9	46·0	46·2
281	8	46·4	46·6	46·8	46·9	47·1	47·3	47·5	47·7	47·8	48·0
282	9	48·2	48·4	48·6	48·7	48·9	49·1	49·3	49·5	49·6	49·8
283	10	50·0	50·2	50·4	50·5	50·7	50·9	51·1	51·3	51·4	51·6
284	11	51·8	52·0	52·2	52·3	52·5	52·7	52·9	53·1	53·2	53·4
285	12	53·6	53·8	54·0	54·1	54·3	54·5	54·7	54·9	55·0	55·2
286	13	55·4	55·6	55·8	55·9	56·1	56·3	56·5	56·7	56·8	57·0
287	14	57·2	57·4	57·6	57·7	57·9	58·1	58·3	58·5	58·6	58·8
288	15	59·0	59·2	59·4	59·5	59·7	59·9	60·1	60·3	60·4	60·6
289	16	60·8	61·0	61·2	61·3	61·5	61·7	61·9	62·1	62·2	62·4
290	17	62·6	62·8	63·0	63·1	63·3	63·5	63·7	63·9	64·0	64·2
291	18	64·4	64·6	64·8	64·9	65·1	65·3	65·5	65·7	65·8	66·0
292	19	66·2	66·4	66·6	66·7	66·9	67·1	67·3	67·5	67·6	67·8
293	20	68·0	68·2	68·4	68·5	68·7	68·9	69·1	69·3	69·4	69·6
294	21	69·8	70·0	70·2	70·3	70·5	70·7	70·9	71·1	71·2	71·4
295	22	71·6	71·8	72·0	72·1	72·3	72·5	72·7	72·9	73·0	73·2
296	23	73·4	73·6	73·8	73·9	74·1	74·3	74·5	74·7	74·8	75·0
297	24	75·2	75·4	75·6	75·7	75·9	76·1	76·3	76·5	76·6	76·8
298	25	77·0	77·2	77·4	77·5	77·7	77·9	78·1	78·3	78·4	78·6
299	26	78·8	79·0	79·2	79·3	79·5	79·7	79·9	80·1	80·2	80·4
300	27	80·6	80·8	81·0	81·1	81·3	81·5	81·7	81·9	82·0	82·2
301	28	82·4	82·6	82·8	82·9	83·1	83·3	83·5	83·7	83·8	84·0
302	29	84·2	84·4	84·6	84·7	84·9	85·1	85·3	85·5	85·6	85·8
303	30	86·0	86·2	86·4	86·5	86·7	86·9	87·1	87·3	87·4	87·6
304	31	87·8	88·0	88·2	88·3	88·5	88·7	88·9	89·1	89·2	89·4
305	32	89·6	89·8	90·0	90·1	90·3	90·5	90·7	90·9	91·0	91·2
306	33	91·4	91·6	91·8	91·9	92·1	92·3	92·5	92·7	92·8	93·0
307	34	93·2	93·4	93·6	93·7	93·9	94·1	94·3	94·5	94·6	94·8
308	35	95·0	95·2	95·4	95·5	95·7	95·9	96·1	96·3	96·4	96·6
309	36	96·8	97·0	97·2	97·3	97·5	97·7	97·9	98·1	98·2	98·4
310	37	98·6	98·8	99·0	99·1	99·3	99·5	99·7	99·9	100·0	100·2

NEW SERIES (MONTHLY). VOL. II. PART 1. PRICE R. 0.75.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20° 5′ 39″ S.—LONGITUDE 3h 50m 12·0s E.)

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY, 1916.

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

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1916.

TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of JANUARY 1916.

Month and Day. 1910.	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. Date, 1916.	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	9.44·2	·23219	·30749	6·0	19	20	Jan. 1	1427	17.40·4	18.17·5	20.35·9	1·40	...	...	...	...	Recrudescence beginning 19.36·4 ending 19.46·6, ampl. 0″·52. Movement imperceptible in E.W.
2	44·6	222	750	4·6	18	18											
3	44·5	219	750	6·4	30	21											
4	44·9	212	750	4·2	43	24											
5	44·6	211	749	5·8	33	12	13	1428	10.38·2	11. 4·1	...	0·21	10.32·6	11. 2·5	...	0·56	End of 1st quake overlapping beginning of second and end of second overlapping beginning of third.
6	45·0	219	747	6·0	36	33			*				*				
7	44·9	213	748	8·0	30	21	13	1429	12.39·0	?	...	...	12.40·8	?	...	...	
8	43·5	225	744	12·2	32	40	13	1430	...	14.58·6	15.25±	0·10	...	14.54·1	15.52±	0·56	
9	44·1	227	747	8·0	48	23	14	1431	11.10·0	...	11.23·5	...	...	...	...	...	Faint thickening of trace.
10	44·9	233	745	12·0	64	33											
11	44·2	210	749	8·4	53	24											
12	44·7	194	755	8·2	70	19											
13	45·3	195	751	4·8	45	21											
14	44·3	209	752	4·4	27	19											
15	43·9	211	748	6·0	26	26											
16	44·7	211	752	4·8	29	8											
17	44·2	211	753	3·6	29	16											
18	44·2	218	750	5·2	22	20											
19	44·6	218	747	4·6	13	27											
20	44·1	223	748	8·0	110	21											
21	45·2	210	749	10·2	22	36											
22	44·2	209	753	8·6	43	23											
23	43·9	207	756	10·0	66	26											
24	44·4	200	754	6·6	19	30											
25	43·8	204	750	14·0	47	51											
26	44·6	208	757	6·4	36	13											
27	44·9	220	753	8·4	28	33											
28	44·4	222	756	4·8	27	21											
29	44·8	224	759	6·2	34	15											
30	44·9	229	755	5·0	32	19											
31	44·1	222	758	6·2	11	17											
Mean	9.44·47	·23215	·30751	7·02	36·7	23·5	...	...	...	...	...	...	...	...	...	...	...

* Large Waves.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of JANUARY 1916.

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	° ′
Jan. 5. 8.51	9.46·6	Jan. 5. 9.32	·23241	Jan. 4.10.21	52.56·2
13.14	9.41·3	12.51	·23245	8.11. 1	55·4
13. 8·38	9.45·6	13. 9.36	·23203	15. 8.42	56·9
13.58	9.44·4	13.15	·23168	19.10.58	56·3
20. 8.37	9.44·8	20. 9.31	·23252	22.10.57	57·8
13.45	9.42·2	13.04	·23251	27.11.17	56·2

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

JANUARY 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	44·4	44·2	44·4	44·4	44·8	45·4	45·4	44·2	44·5	44·1	45·7	47·1	45·6	45·2	45·4	45·6	Midnight
1h	43·8	44·4	44·6	45·2	45·4	45·4	44·8	44·2	44·7	43·9	44·9	45·5	44·6	44·0	45·6	45·6	1h
2	43·4	44·6	45·0	45·4	45·4	45·4	44·2	44·4	44·9	43·9	45·7	47·1	45·6	45·6	45·6	45·6	2
3	43·4	45·0	45·4	45·6	45·4	45·6	45·0	45·0	45·5	43·9	46·3	47·9	45·6	45·6	45·6	45·4	3
4	43·6	45·2	45·4	45·8	45·4	45·6	45·2	45·4	45·5	44·7	46·1	47·5	46·6	45·6	45·6	45·6	4
5	44·8	45·4	45·6	45·6	45·6	45·8	45·4	45·4	45·5	45·3	46·3	45·9	47·0	45·6	45·6	45·8	5
6	45·2	45·4	45·6	45·6	46·8	46·6	46·2	45·6	45·5	45·5	46·5	47·7	47·2	45·6	45·6	45·8	6
7	45·0	47·2	46·0	45·6	47·6	47·6	48·0	47·2	45·5	45·7	45·3	46·9	46·4	43·6	44·6	45·0	7
8	45·4	47·4	47·0	46·6	47·8	47·8	49·4	47·6	46·9	47·7	44·5	45·7	45·8	43·6	43·6	44·0	8
9	47·2	47·4	48·0	47·4	46·8	49·0	49·4	47·6	47·5	49·5	46·1	46·5	46·0	44·6	43·8	44·8	9
10	47·4	46·6	47·2	47·2	45·2	47·8	46·8	46·8	46·9	50·5	47·5	46·7	47·6	45·8	45·4	45·6	10
11	47·0	45·4	43·8	45·6	43·4	44·6	44·4	42·4	44·5	51·5	47·3	45·7	47·6	46·0	45·6	47·0	11
Noon	45·8	44·8	42·2	45·4	42·6	43·2	42·6	38·6	42·5	49·3	45·1	45·3	47·4	45·6	44·4	47·2	Noon
13h	43·8	43·4	41·6	44·8	42·6	43·4	41·4	35·4	39·9	43·9	42·3	43·5	45·8	44·2	43·2	45·8	13h
14	42·2	43·0	43·2	45·2	42·8	43·4	41·4	35·8	39·5	41·3	41·1	41·5	44·8	42·6	41·6	44·6	14
15	41·4	43·4	44·2	43·4	42·0	43·4	42·4	37·6	40·3	39·5	39·1	40·9	43·8	41·6	39·8	43·0	15
16	41·6	43·4	44·2	43·2	42·2	43·0	43·4	40·0	41·3	39·5	39·5	39·7	43·6	41·6	39·6	42·4	16
17	43·4	43·4	43·6	43·2	42·6	43·4	44·8	43·0	42·5	41·5	39·9	41·5	43·0	43·0	39·8	42·8	17
18	43·6	42·8	43·2	43·4	43·0	43·8	45·4	43·8	43·5	42·9	41·5	41·9	42·8	43·6	41·6	43·0	18
19	43·8	43·4	43·4	43·8	43·6	44·0	45·4	44·4	44·3	43·5	41·7	43·1	43·4	43·8	43·6	43·6	19
20	43·6	43·4	43·4	43·4	44·4	44·0	44·8	44·6	43·9	44·1	42·3	43·5	43·8	43·8	43·8	43·8	20
21	43·6	43·4	43·4	43·6	44·4	43·8	44·6	44·8	45·1	44·7	43·1	43·5	44·0	43·8	44·2	43·6	21
22	43·8	43·6	43·6	43·8	45·0	44·0	44·2	44·6	45·1	45·7	43·7	43·7	44·4	44·2	45·2	43·6	22
23	44·0	44·4	44·6	44·4	45·4	44·4	44·2	44·4	44·5	45·7	47·5	44·7	45·0	44·8	45·4	44·6	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	44·9	44·9	44·1	44·2	44·6	44·2	45·9	44·3	43·9	45·8	44·6	45·4	44·7	45·1	44·7	44·9	Midnight
1h	45·1	45·1	44·3	44·6	44·4	44·0	45·9	43·9	43·9	44·4	44·4	44·6	44·3	45·5	45·5	44·7	1h
2	45·5	45·3	44·7	44·8	45·0	44·0	45·1	43·9	44·1	43·8	44·6	44·2	45·5	45·7	45·7	45·0	2
3	45·7	45·5	45·5	45·4	45·0	45·0	44·9	43·9	44·5	43·8	44·6	44·4	45·7	45·9	45·5	45·2	3
4	45·7	45·5	45·7	45·8	45·8	45·4	44·3	43·9	45·1	43·6	44·6	44·2	45·9	45·9	46·1	45·4	4
5	45·7	45·7	45·7	45·8	45·8	45·8	43·9	44·1	45·5	43·6	44·4	44·4	46·1	45·9	46·1	45·5	5
6	45·7	45·7	45·7	46·6	47·6	46·0	45·5	45·5	46·7	43·6	45·2	45·0	45·3	46·1	46·3	45·9	6
7	45·3	46·3	46·9	47·8	49·8	47·8	47·9	47·1	46·9	43·8	45·8	46·0	44·1	47·1	46·3	46·3	7
8	45·3	44·3	46·7	47·2	50·2	48·0	45·9	47·9	48·1	45·6	46·6	46·8	46·1	47·1	46·1	46·5	8
9	43·5	43·5	46·5	43·6	50·0	48·2	46·1	48·1	49·9	46·0	48·0	46·0	47·5	46·3	45·3	46·8	9
10	42·1	41·9	45·9	42·6	47·8	47·0	44·9	48·1	49·5	48·0	48·2	46·2	48·1	45·9	44·3	46·5	10
11	42·3	41·7	45·5	40·8	43·8	44·0	43·9	45·9	45·9	48·2	48·6	45·4	47·7	45·5	43·9	45·3	11
Noon	43·3	41·1	44·7	39·8	41·8	43·0	41·9	43·5	42·9	48·0	48·2	44·4	46·1	45·3	42·9	44·2	Noon
13h	43·5	41·7	43·7	40·4	40·0	40·2	39·7	42·1	37·9	45·6	46·0	44·0	44·3	44·1	42·3	42·6	13h
14	43·1	43·3	42·9	42·2	41·0	39·6	37·9	41·9	36·3	43·8	43·6	43·4	42·5	44·1	42·3	42·0	14
15	42·1	44·9	42·3	43·0	42·4	40·2	38·9	41·5	35·9	41·8	41·6	42·2	42·1	43·5	40·5	41·6	15
16	42·1	45·7	42·7	43·6	43·6	41·8	40·7	42·1	35·9	42·0	40·2	42·0	41·9	42·7	40·1	41·8	16
17	43·7	45·7	43·7	44·0	45·2	42·8	43·3	43·9	39·9	43·0	41·4	42·4	42·1	42·1	40·5	42·7	17
18	43·9	44·9	43·9	43·8	45·8	43·8	44·3	43·9	42·1	43·4	42·4	43·6	42·3	42·9	42·7	43·3	18
19	44·3	43·9	44·1	45·4	45·8	44·0	45·5	44·1	44·9	44·4	44·0	44·0	43·7	44·1	44·1	44·0	19
20	44·1	43·9	43·9	44·6	45·6	43·8	44·1	44·1	44·1	44·4	44·2	44·2	44·1	44·1	44·3	44·0	20
21	44·1	43·9	43·9	44·2	45·2	43·8	44·5	44·1	45·5	44·4	44·4	44·4	44·1	44·1	44·3	44·1	21
22	44·3	43·9	43·9	44·6	45·2	43·8	44·1	44·1	45·9	44·6	44·8	44·4	45·1	44·1	44·5	44·4	22
23	44·7	44·1	44·1	44·4	44·4	44·0	45·1	43·9	45·7	44·8	45·6	44·6	44·7	44·5	45·1	44·8	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

JANUARY 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	213	222	215	224	213	200	224	214	222	215	191	165	187	198	201	205	Midnight
1h	216	222	222	216	213	196	226	214	219	223	215	244	208	218	207	209	1h
2	222	222	222	223	215	206	224	215	218	225	196	187	211	207	201	208	2
3	222	223	222	225	216	213	221	215	220	234	188	155	208	199	206	209	3
4	215	222	223	222	221	213	224	215	224	234	216	188	214	198	206	207	4
5	213	222	223	222	215	213	222	210	233	234	214	174	209	198	207	206	5
6	218	220	222	223	213	216	223	218	234	234	213	215	210	198	207	207	6
7	227	221	220	223	217	223	223	218	234	235	215	206	211	206	213	209	7
8	232	222	220	216	223	220	213	216	232	235	224	225	212	208	217	211	8
9	232	227	221	213	224	215	203	223	221	234	238	206	204	209	223	218	9
10	230	231	223	222	227	214	205	225	216	242	236	204	192	208	227	225	10
11	221	232	231	216	223	220	204	234	220	244	234	188	177	209	217	220	11
Noon	213	223	231	213	213	231	196	234	225	236	233	183	169	212	204	221	Noon
13h	215	218	223	191	204	225	202	242	250	244	213	196	178	208	211	228	13
14	213	221	205	182	204	224	203	246	253	254	211	197	179	217	217	228	14
15	213	222	201	194	204	229	207	237	246	251	196	194	178	218	218	219	15
16	213	218	209	206	211	232	214	233	244	252	196	196	181	225	217	209	16
17	216	223	215	220	213	232	222	234	244	254	192	184	188	223	219	202	17
18	216	223	215	221	209	224	213	232	235	246	191	185	189	217	217	199	18
19	220	220	214	194	205	222	211	225	219	244	213	187	188	207	208	200	19
20	221	219	212	193	204	221	209	223	214	244	215	187	191	207	208	206	20
21	222	214	213	201	196	219	213	222	205	209	217	197	189	205	207	208	21
22	220	217	221	213	196	223	213	223	207	195	213	196	197	202	207	208	22
23	218	216	223	213	194	223	213	221	214	190	185	182	197	206	206	200	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	200	211	221	221	203	223	204	196	205	189	217	210	215	218	219	208·4	Midnight
1h	208	211	219	221	203	217	201	200	206	196	208	218	220	218	217	210·7	1h
1	203	211	220	221	203	215	213	198	207	197	208	218	210	219	218	211·7	2
2	206	212	217	221	214	215	222	201	213	201	211	218	223	218	223	212·6	3
4	208	211	216	221	213	217	223	205	215	206	210	218	224	217	224	215·2	4
5	205	213	215	231	207	222	243	204	215	207	217	218	230	218	228	216·0	5
6	204	212	219	232	213	219	223	205	215	210	217	218	225	219	228	217·1	6
7	210	220	217	250	212	215	230	205	215	225	226	222	243	227	228	220·9	7
8	210	220	213	264	203	206	220	198	213	225	226	220	236	230	228	220·6	8
9	219	219	210	259	200	209	206	196	212	216	226	223	233	237	223	219·3	9
10	229	221	214	259	203	212	202	196	205	216	226	227	237	246	224	220·8	10
11	228	231	223	241	210	214	203	202	224	207	224	237	238	249	225	220·8	11
Noon	229	232	220	241	214	215	205	186	224	200	226	228	235	249	223	218·2	Noon
13h	219	233	215	240	215	217	215	188	212	206	234	227	230	248	227	218·5	13h
14	210	231	217	231	216	214	217	196	213	207	236	227	227	246	219	218·1	14
15	203	221	221	232	219	211	214	196	205	208	227	227	227	238	219	216·0	15
16	202	220	221	237	222	213	204	195	196	210	227	226	222	237	220	216·4	16
17	209	219	222	224	221	200	185	200	186	211	226	227	219	229	225	215·6	17
18	209	220	221	188	209	180	177	205	185	206	220	218	213	227	223	210·7	18
19	208	212	221	154	209	192	183	205	184	200	217	218	209	227	218	207·5	19
20	209	211	221	174	206	196	186	203	177	208	215	218	211	226	218	208·2	20
21	208	211	220	193	203	201	191	202	181	206	212	218	214	221	219	207·6	21
22	210	211	219	197	203	203	215	203	206	206	210	216	218	218	219	209·8	22
23	210	215	219	212	203	204	195	205	187	216	208	217	219	222	222	208·2	23

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

JANUARY 1916.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	750	750	750	750	750	754	752	751	749	752	756	764	759	756	753	752	Midnight
1h	751	750	750	750	750	753	749	750	749	753	752	761	759	756	754	752	1h
2	751	751	751	751	751	753	749	750	750	752	756	759	757	756	753	752	2
3	752	751	751	751	751	752	749	748	749	750	756	766	756	757	753	752	3
4	753	753	751	753	750	751	749	749	748	750	755	765	759	757	754	752	4
5	754	754	752	753	751	753	750	749	748	749	753	758	756	755	753	753	5
6	754	754	753	754	752	755	752	750	747	749	751	761	756	754	753	753	6
7	754	757	755	756	753	758	758	753	748	750	750	755	756	751	752	753	7
8	754	759	758	758	751	759	761	756	753	753	754	750	755	752	749	748	8
9	754	757	760	759	750	761	761	755	757	755	755	751	754	756	752	752	9
10	755	753	754	753	745	756	752	748	753	754	760	752	756	757	757	756	10
11	753	748	746	750	742	741	745	738	747	744	752	753	749	755	756	754	11
Noon	745	744	739	750	742	731	740	719	737	733	743	752	746	748	745	753	Noon
13h	741	744	740	751	743	728	741	716	734	722	740	751	742	744	736	752	13
14	738	743	744	749	744	732	742	723	737	723	736	748	738	739	731	753	14
15	735	741	748	739	745	735	742	732	738	729	738	750	742	738	733	752	15
16	739	743	748	735	744	735	742	738	743	733	740	747	741	743	735	751	16
17	743	744	747	738	742	736	742	742	746	741	744	749	741	749	739	752	17
18	746	745	745	740	745	740	743	744	748	746	745	752	744	752	747	751	18
19	748	747	748	745	750	742	745	746	748	746	745	754	747	752	751	752	19
20	748	749	749	750	750	746	747	746	748	745	746	755	752	752	751	752	20
21	749	750	750	751	752	747	748	747	751	748	748	755	752	753	751	751	21
22	749	750	750	752	754	750	749	747	752	753	752	756	755	753	752	752	22
23	749	751	749	751	755	750	751	749	752	755	757	757	755	753	753	753	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	754	753	749	748	755	756	760	759	757	758	762	762	760	762	759	754·9	Midnight
1h	753	753	749	748	754	754	758	758	758	758	762	763	760	763	761	754·6	1h
1	754	752	749	748	754	753	757	758	758	758	762	761	763	763	762	754·6	2
2	754	752	750	748	753	753	757	758	756	757	762	761	762	763	762	754·6	3
4	754	752	751	749	754	754	754	757	757	756	762	761	762	763	762	754·7	4
5	755	753	752	750	755	755	754	758	756	756	762	759	760	762	762	754·5	5
6	755	754	753	751	758	756	758	759	755	756	763	761	759	763	760	755·1	6
7	753	758	756	752	763	763	763	763	759	755	763	763	757	763	760	756·5	7
8	748	755	758	746	762	763	762	762	764	756	763	763	760	762	760	756·6	8
9	743	752	760	742	756	758	764	768	768	759	762	762	763	759	762	757·0	9
10	742	746	753	738	746	751	762	763	760	762	754	760	763	754	759	754·0	10
11	742	738	747	739	736	747	754	762	747	761	744	755	759	749	758	748·7	11
Noon	744	738	736	740	730	743	738	746	731	754	744	749	751	747	754	742·3	Noon
13h	753	741	737	741	727	741	740	738	718	753	739	742	749	745	753	740·1	13h
14	754	748	733	743	733	740	741	738	717	753	733	744	748	746	753	740·1	14
15	757	753	737	742	735	746	748	738	720	750	730	745	749	745	749	741·3	15
16	758	753	738	744	743	747	752	743	733	752	732	750	753	744	745	743·4	16
17	758	753	739	747	748	750	756	748	743	753	744	751	756	744	750	746·3	17
18	758	751	743	748	752	754	762	748	749	757	752	752	759	749	756	749·1	18
19	757	749	745	758	752	758	762	750	754	758	754	754	762	753	760	751·5	19
20	756	748	746	759	751	755	759	753	754	758	755	755	761	754	761	752·0	20
21	755	750	748	757	753	757	759	754	758	759	758	757	762	756	760	753·1	21
22	754	752	750	756	755	758	758	757	758	762	759	758	763	757	761	754·3	22
32	754	753	752	755	756	758	762	758	758	763	762	759	763	758	759	755·2	23

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) Highest.	Lowest.	Range.	Mean.	Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. (Centigrade). Mean.	Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
Jan. 1	1006·0	− 0·5	29·7	23·1	6·6	25·8	0·0	22·7	20·6	− 0·1	73	− 1	24·0	21·1	6·0	30	6·2	5·9
2	1001·8	− 4·6	28·7	22·9	5·8	24·9	−0·9	23·0	21·8	+ 1·1	82	+ 8	25·6	21·4	18·9	170	2·9	9·2
3	996·5	− 9·8	27·4	22·5	4·9	24·7	−1·1	22·5	21·0	+ 0·3	80	+ 6	24·6	21·5	3·1	75	2·5	9·4
4	1002·3	− 4·0	30·2	22·9	7·3	26·4	+0·5	23·5	21·5	+ 0·7	75	+ 1	25·4	20·3	0·4	5	6·7	5·0
5	1005·7	− 0·5	30·7	21·1	9·6	25·6	−0·3	22·7	20·7	− 0·1	74	0	24·2	18·4	0·6	5	5·4	4·2
6	1006·8	+ 0·7	29·3	20·7	8·6	23·7	−2·2	21·7	20·3	− 0·6	81	+ 6	23·6	17·7	7·3	120	3·7	5·6
7	1005·7	− 0·3	28·2	21·6	6·6	24·3	−1·6	21·2	19·0	− 1·9	72	− 3	21·8	20·3	0·0	...	6·9	6·6
8	1004·3	− 1·7	29·0	21·6	7·4	25·0	−0·9	21·4	18·9	− 2·0	69	− 6	21·6	19·3	0·1	5	5·0	9·0
9	1003·6	− 2·3	25·5	22·8	2·7	23·7	−2·2	22·6	21·8	+ 0·9	89	+14	25·9	21·4	56·5	495	1·1	10·0
10	1002·0	− 3·8	24·8	21·8	3·0	23·7	−2·2	23·2	22·8	+ 1·8	95	+20	27·5	21·8	79·8	850	0·4	10·0
11	1000·8	− 5·0	28·4	24·2	4·2	26·0	+0·1	24·3	23·1	+ 2·0	84	+ 9	28·0	22·1	5·4	70	5·7	7·2
12	1003·3	− 2·4	29·2	24·1	5·1	25·6	−0·3	22·7	20·7	− 0·4	74	− 1	24·2	22·4	0·0	...	4·1	9·4
13	1004·3	− 1·4	27·7	23·2	4·5	25·1	−0·9	22·7	21·0	− 0·1	78	+ 2	24·6	21·1	0·5	15	4·8	9·3
14	1005·1	− 0·5	28·6	23·2	5·4	25·2	−0·8	22·9	21·3	+ 0·2	79	+ 3	25·1	20·9	0·0	...	5·8	8·0
15	1005·6	+ 0·1	29·7	22·2	7·5	25·9	−0·1	22·6	20·3	− 0·9	71	− 5	23·6	19·5	0·0	...	5·1	5·6
16	1004·3	− 1·2	30·2	22·9	7·3	26·4	+0·4	23·8	22·0	+ 0·8	77	+ 1	26·2	19·8	0·6	10	6·0	9·6
17	1003·6	− 1·8	28·9	23·2	5·7	25·6	−0·4	23·7	22·4	+ 1·2	82	+ 6	26·8	20·9	2·2	20	4·6	7·9
18	1003·9	− 1·5	28·8	23·8	5·0	25·3	−0·7	23·6	22·4	+ 1·1	84	+ 8	26·8	21·1	4·2	50	5·3	8·7
19	1004·2	− 1·1	27·7	23·8	3·9	25·1	−0·9	23·5	22·4	+ 1·1	85	+ 8	26·8	22·6	7·1	85	3·0	9·2
20	1002·7	− 2·6	28·3	23·3	5·0	25·4	−0·6	23·5	22·2	+ 0·9	82	+ 5	26·5	22·1	1·7	25	5·3	9·4
21	1001·1	− 4·1	29·0	23·2	5·8	25·6	−0·4	24·0	22·9	+ 1·6	85	+ 8	27·6	22·1	3·2	15	5·2	9·1
22	1001·7	− 3·5	29·8	23·2	6·6	26·3	+0·3	24·5	23·3	+ 1·9	84	+ 7	28·3	22·6	4·2	90	5·7	8·5
23	1004·0	− 1·1	29·3	25·2	4·1	26·5	+0·5	25·0	24·0	+ 2·6	86	+ 9	29·5	22·8	1·2	25	3·7	7·6
24	1006·0	+ 0·9	30·7	23·2	7·5	26·4	+0·4	24·7	23·5	+ 2·1	85	+ 8	28·7	21·1	0·8	15	3·8	8·3
25	1007·6	+ 2·6	29·6	23·8	5·8	25·4	−0·6	24·2	23·4	+ 2·0	89	+12	28·5	21·2	71·3	135	1·3	7·6
26	1008·0	+ 3·0	29·3	23·3	6·0	25·6	−0·4	23·6	22·2	+ 0·7	82	+ 5	26·5	21·7	1·4	15	4·5	6·3
27	1006·5	+ 1·6	28·8	21·6	7·2	25·3	−0·7	22·1	19·8	− 1·7	71	− 7	22·9	18·9	0·1	5	4·6	5·0
28	1005·3	+ 0·4	28·6	23·3	5·3	25·6	−0·4	23·5	22·1	+ 0·5	81	+ 3	26·3	21·8	7·6	65	7·1	8·0
29	1004·5	− 0·3	28·8	24·3	4·5	25·8	−0·2	23·9	22·6	+ 1·0	83	+ 5	27·1	22·1	3·9	60	6·0	8·1
20	1005·0	+ 0·3	28·9	23·8	5·1	26·1	+0·1	23·9	22·4	+ 0·8	80	+ 2	26·8	22·4	0·3	10	6·1	5·7
31	1005·3	+ 0·6	29·3	23·5	5·8	26·1	+0·1	23·7	22·0	+ 0·4	78	0	26·2	21·4	0·3	5	6·6	5·0
Mean	1004·1	− 1·4	28·8	23·0	5·8	25·4	−0·6	23·3	21·8	+ 0·6	80·3	+4·3	25·8	21·1	Sum 288·7	Sum 2490	4·7	7·7
Average	1005·5	...	29·9	22·6	7·3	26·0	...	23·1	21·2	...	76·0	...	24·9	20·4	197·1	2101	5·9	6·2
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 January.

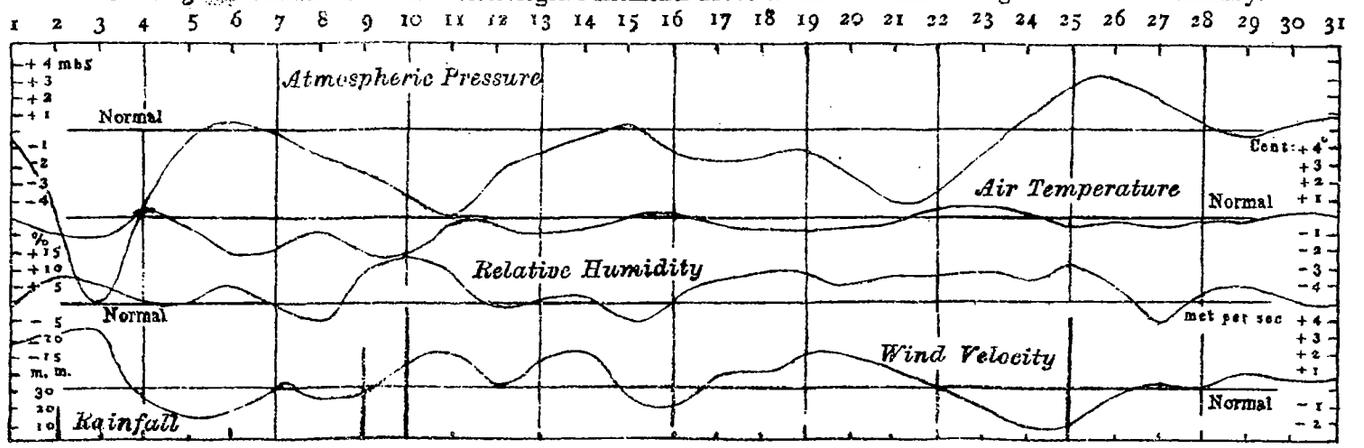

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1916.

Month and Day. 1916.	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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
Jan. 1	10·9	82	− 1·6	+ 6·2	75	6·4	− 13	+ 3·8	6·5	+ 3·0	25·1	26·7	29·26	29·09	28·95	f. : f.p.q. : c.p.q. : c.p.
2	5·7	43	− 3·4	+ 5·7	59	6·6	− 29	+ 4·0	6·8	+ 3·3	25·0	26·8	29·04	28·59	27·34	c.p. :o.g.p. :ogpq: o.g.p.
3	0·1	0	− 5·0	− 1·6	342	5·2	+254	+ 2·6	7·2	+ 3·7	25·1	26·7	29·63	26·95	25·76	c.g. : o.g.p. : o.g.
4	11·5	86	0·0	− 3·3	270	3·3	+182	+ 0·7	3·4	− 0·1	25·2	26·8	27·79	27·73	28·30	cgp: c. : f.
5	8·5	64	0·0	− 0·6	270	0·6	+182	− 2·0	2·1	− 1·4	25·2	26·8	29·16	28·95	29·01	f. : b. : f. :c.p: c. : f.
6	4·9	37	− 0·3	+ 1·7	80	1·8	− 8	− 0·8	2·4	− 1·1	25·2	26·8	28·77	28·24	27·44	b. : f. : c.p. : o.g. : c.
7	6·7	51	− 0·8	+ 3·4	77	3·5	− 11	+ 0·9	3·6	+ 0·1	25·2	26·8	27·94	27·66	27·52	c.p. : f. : c.p. : f. :cg.
8	4·2	32	+ 0·9	+ 2·7	108	2·9	+ 20	+ 0·3	3·1	− 0·4	25·2	26·8	28·05	27·61	27·47	c.g. : o.g. :ogp
9	0·0	0	+ 1·8	+ 2·7	124	3·3	+ 36	+ 0·7	3·4	− 0·1	25·2	26·8	27·68	27·02	26·08	o.g.p. : o.g.r.
10	0·0	0	+ 4·4	+ 1·2	165	4·6	+ 77	+ 2·0	5·1	+ 1·6	25·2	26·8	25·58	24·94	24·21	ogr: o.g.d. : o.g.r.
11	7·8	59	− 0·4	− 3·9	84	3·9	− 4	+ 1·4	5·6	+ 2·1	25·2	26·9	25·96	26·02	26·80	o.p.g.ql:c.g.p.q.:c.q.: f.
12	2·9	22	− 2·9	+ 1·9	33	3·4	− 55	+ 0·9	3·8	+ 0·3	25·3	26·9	27·14	27·17	27·53	c.g. : c. : o.g.
13	2·2	17	− 2·8	+ 4.4	58	5·2	− 30	+ 2·7	5·3	+ 1·8	25·2	26·8	27·55	27·46	27·65	o.g.p. : c.p.q. : o.g.q.
14	5·3	40	− 2·8	+ 4·8	60	5·5	− 27	+ 3·0	5·7	+ 2·2	25·3	26·8	27·70	27·70	28·18	c.q.g. : c.
15	7·5	57	− 1·6	+ 1·9	50	2·5	− 37	0·0	3·1	− 0·4	25·2	26·8	28·21	28·12	28·28	c. : f. : c. : f. : c.
16	7·2	54	− 1·1	+ 0·8	36	1·3	− 51	− 1·2	2·5	− 1·0	25·3	26·8	28·65	28·76	29·47	o. :o.p.:c.g: o.g. : o.g.l.
17	3·1	24	− 0·3	+ 4·2	86	4·2	− 1	+ 1·7	4·4	+ 0·9	25·3	26·8	29·32	29·21	29·15	c.p.: f. : c. : c.p : c.
18	6·4	49	+ 0·6	+ 4·5	98	4·5	+ 11	+ 2·0	4·6	+ 1·1	25·3	26·8	28·64	28·58	28·60	c.p. : c.p.q. : o.p. : c.g.
19	2·1	16	− 0·1	+ 5·5	89	5·5	+ 2	+ 3·0	5·6	+ 2·1	25·3	26·8	28·21	27·96	27·52	c.p. : c.p.q. : o.g.
20	6·1	47	− 0·6	+ 5·2	83	5·2	− 4	+ 2·7	5·4	+ 1·9	25·3	26·8	27·71	27·59	27·60	o.g.p. : c.q. : c. :ogp.
21	5·0	38	+ 0·8	+ 4·4	100	4·5	+ 13	+ 2·0	4·6	+ 1·1	25·4	26·8	27·94	27·96	28·34	o.g.p. : c.q. :c.p: c.d.
22	6·3	48	+ 1·5	+ 3·5	113	3·8	+ 26	+ 1·3	3·9	+ 0·4	25·4	26·9	28·27	28·40	28·73	o.p.: o.g. : c. :cp.
23	4·2	32	+ 0·9	+ 2·3	111	2·4	+ 24	0·0	2·4	− 1·1	25·4	26·8	28·58	28·63	28·71	c.p. : c. : c.p.l.t.
24	5·2	40	0·0	+ 1·0	90	1·0	+ 4	− 1·4	1·5	− 2·0	25·4	26·9	28·43	28·46	28·69	o. : c. : f. : c.p.l t
25	3·1	24	− 0·2	+ 0·8	76	0·8	− 10	− 1·6	1·4	− 2·1	25·4	26·8	28·40	28·09	27·54	c.l. : c. : o.r.l.t. : f.
26	5·6	43	− 1·5	+ 2·5	59	2·9	− 27	+ 0·5	3·1	− 0·4	25·4	26·8	27·95	27·68	27·44	f. : c.p. : c.
27	11·0	85	− 1·4	+ 3·6	69	3·9	− 17	+ 1·5	3·9	+ 0·4	25·4	26·8	28·05	28·07	28·34	c.p.: f.
28	7·5	58	− 0·3	+ 3·4	85	3·4	− 1	+ 1·0	3·7	+ 0·2	25·5	26·8	28·45	28·19	28·34	f. : c.p. : c. : o.p.
29	7·8	60	+ 1·0	+ 4·4	103	4·5	+ 17	+ 2·1	4·6	+ 1·1	25·5	26·8	28·37	28·37	28·52	c. : c.p.
30	11·5	88	+ 0·3	+ 4·0	94	4·0	+ 8	+ 1·6	4·1	+ 0·6	25·4	26·8	28·47	28·58	29·04	c. : f. :c.p: f.
31	11·1	85	− 0·5	+ 3·9	83	3·9	− 2	+ 1·5	4·0	+ 0·5	25·5	26·9	28·84	29·03	29·41	f. : c. : c.q.: f.
Mean -	5·86	44·6	+ 0·50	+ 2·62	100·8	2·67	+13·8	+0·17	4·09	+0·59	25·29	26·81	28·12	87·96	27·93	...
Average	7·70	58·7	− 0·13	+ 2·50	87·0	2·50	...	...	3·50	...	24·81	26·45	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Pressure was below normal on 22 days and in defect on the normal by 1·4 millibars. Temperature was below normal on 23 days and relative humidity above normal on 23 days. Wind Direction was more northerly than usual and velocity was above normal on 20 days.

Considerable cyclonic activity was reported in the South Indian Ocean during the month. The cyclone which formed on December 31st passed East of Mauritius on January 3rd as will be seen from the track published in the December bulletin. A second depression formed W.N.W. on the 9th and passed S.W. of Mauritius on the 11th. There were indications of a distant cyclone N.E. on the 15th. A fourth depression formed W.N.W. about the 19th and a fifth was reported North of Madagascar on the 21st. A detailed account of the weather over the South Indian Ocean will be included in the February bulletin.

As a consequence of these depressions the climatic conditions for the month all over the Island were exceptionally favourable for the growing canes, which have partially recovered from the effect of the drought.

The highest dew point temperature was 24°·7 at 9h. on the 11th ; and the lowest 17°·6 at 16h. on the 7th.

The highest relative humidity was 97 % at 21h. on the 10th ; and the lowest 53 % at 12h. on the 5th.

At the Observatory rainfall was 46 % above normal. The percentage variation from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	46 % above
Eastern Districts	,, ,, 2, 3, 4.	72 % above
South-Eastern Districts	,, ,, 5 & 6	34 % above
Western Districts	River System 11	51 % above
	,, ,, 12	69 % above
	,, ,, 13	38 % above

(Jan. 25, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is 181 feet above mean sea-level.)

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When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	0080	0051	9973	0006	0044	0072	0065	0055	0042	0038	0010	0026	0045	0046	0059	0055	Midnight
1h	0072	0046	9965	0003	0045	0067	0059	0049	0036	0028	0004	0023	0039	0044	0054	0050	1h
2	0068	0043	9954	9999	0046	0065	0055	0042	0031	0023	9997	0022	0035	0045	0049	0046	2
3	0062	0039	9947	9997	0046	0063	0055	0038	0028	0017	9992	0019	0035	0041	0048	0043	3
4	0061	0038	9946	9999	0044	0063	0054	0038	0029	0016	9993	0016	0034	0037	0046	0038	4
5	0067	0040	9954	0005	0046	0064	0060	0042	0032	0020	0001	0023	0036	0040	0050	0041	5
6	0069	0042	9955	0014	0049	0067	0065	0041	0037	0021	0006	0032	0038	0045	0057	0045	6
7	0072	0042	9953	0018	0051	0073	0068	0046	0039	0024	0014	0041	0043	0052	0064	0053	7
8	0073	0043	9956	0024	0058	0074	0069	0047	0042	0025	0015	0043	0046	0054	0064	0054	8
9	0072	0034	9959	0029	0060	0075	0068	0047	0044	0029	0013	0044	0050	0058	0064	0053	9
10	0069	0033	9957	0027	0062	0072	0065	0048	0044	0032	0013	0042	0048	0059	0062	0052	10
11	0063	0025	9956	0027	0060	0069	0061	0046	0040	0030	0007	0035	0047	0057	0062	0050	11
Noon	0058	0021	9953	0027	0059	0065	0058	0044	0039	0024	0002	0030	0043	0054	0056	0045	Noon
13h	0053	0012	9951	0026	0054	0065	0055	0042	0036	0015	0003	0027	0042	0051	0054	0038	13h
14	0048	0007	9951	0024	0058	0065	0047	0039	0035	0012	0000	0024	0040	0047	0047	0034	14
15	0043	0001	9950	0021	0048	0063	0044	0035	0026	0011	9998	0022	0037	0044	0045	0030	15
16	0040	9996	9956	0022	0050	0064	0042	0027	0025	0006	9997	0021	0034	0041	0044	0022	16
17	0044	9996	9964	0026	0053	0064	0045	0030	0028	0008	9999	0025	0038	0042	0044	0028	17
18	0049	9995	9971	0032	0057	0070	0050	0037	0029	0012	0005	0031	0045	0045	0051	0031	18
19	0053	9996	9982	0040	0065	0076	0054	0042	0036	0016	0015	0041	0051	0054	0060	0042	19
20	0061	9996	9990	0042	0073	0075	0056	0046	0038	0017	0019	0046	0053	0057	0065	0045	20
21	0060	9997	9998	0046	0074	0072	0057	0049	0039	0023	0025	0049	0054	0064	0067	0048	21
22	0061	9989	0004	0044	0075	0073	0058	0051	0044	0024	0031	0052	0055	0067	0069	0052	22
23	0057	9983	0007	0040	0075	0065	0057	0047	0045	0020	0031	0051	0053	0064	0064	0048	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	0037	0038	0044	0044	0025	0012	0031	0058	0080	0088	0078	0064	0052	0056	0064	0046	Midnight
1h	0034	0037	0039	0036	0018	0011	0027	0054	0074	0083	0075	0056	0045	0049	0057	0041	1h
2	0031	0035	0034	0032	0010	0012	0026	0053	0072	0081	0072	0051	0042	0043	0053	0038	2
3	0030	0030	0030	0027	0003	0011	0022	0050	0070	0080	0067	0048	0040	0037	0048	0034	3
4	0031	0028	0032	0024	0006	0010	0024	0053	0068	0080	0066	0047	0040	0038	0049	0034	4
5	0034	0030	0036	0027	0012	0007	0028	0054	0070	0080	0065	0048	0038	0039	0050	0037	5
6	0037	0033	0041	0031	0017	0015	0034	0059	0073	0084	0070	0051	0042	0045	0055	0041	6
7	0041	0038	0044	0036	0018	0017	0041	0061	0077	0088	0073	0056	0048	0053	0061	0045	7
8	0042	0041	0046	0036	0018	0020	0043	0060	0082	0091	0073	0058	0051	0055	0061	0047	8
9	0043	0043	0049	0036	0020	0021	0044	0056	0080	0091	0073	0063	0054	0058	0061	0048	9
10	0043	0043	0049	0035	0018	0017	0043	0056	0079	0090	0072	0063	0053	0058	0061	0047	10
11	0044	0041	0047	0032	0014	0017	0043	0054	0083	0089	0069	0060	0050	0054	0062	0045	11
Noon	0043	0039	0043	0026	0013	0017	0042	0050	0078	0085	0066	0055	0045	0050	0058	0042	Noon
13h	0035	0038	0037	0024	0006	0016	0042	0054	0074	0081	0060	0050	0040	0046	0054	0038	13h
14	0028	0032	0036	0021	0003	0008	0036	0054	0071	0076	0055	0045	0036	0045	0049	0035	14
15	0023	0034	0033	0014	0001	0004	0033	0054	0066	0069	0053	0045	0034	0043	0044	0031	15
16	0021	0027	0033	0012	9996	0004	0033	0053	0065	0066	0048	0044	0034	0043	0043	0029	16
17	0025	0032	0040	0012	9996	0006	0034	0053	0065	0064	0047	0044	0036	0043	0042	0031	17
18	0026	0041	0040	0016	0003	0011	0038	0057	0071	0066	0053	0046	0040	0047	0045	0036	18
19	0034	0042	0047	0023	0009	0022	0051	0067	0077	0074	0061	0052	0044	0054	0049	0043	19
20	0041	0048	0054	0028	0013	0028	0055	0071	0082	0078	0064	0054	0050	0057	0052	0047	20
21	0046	0051	0053	0033	0012	0032	0056	0076	0088	0083	0066	0059	0055	0062	0054	0050	21
22	0045	0053	0054	0033	0013	0036	0057	0081	0091	0085	0067	0058	0061	0065	0054	0052	22
23	0046	0052	0051	0028	0015	0035	0057	0080	0090	0083	0067	0057	0058	0066	0054	0050	23

TABLE VIII.—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.
	JANUARY 1916.																															
Midnight	4	9	10	6	5	2	7	7	10	10	10	8	10	6	7	10	10	8	10	10	10	4	8	10	8	4	7	2	9	6	2	7·4
1h	3	9	10	8	6	1	6	7	10	10	10	7	10	4	8	10	8	9	6	10	10	10	5	10	9	7	10	4	8	10	2	7·6
2	2	10	10	8	4	0	5	6	10	10	10	9	10	10	7	10	8	9	5	10	10	9	4	10	7	5	10	10	7	9	4	7·7
3	3	10	9	8	0	0	8	9	10	10	9	10	10	8	3	8	3	5	10	10	10	10	7	9	8	5	2	7	6	4	2	6·9
4	4	9	9	8	0	0	7	8	10	10	9	10	10	8	1	9	3	8	10	10	10	10	8	8	9	3	4	8	8	4	4	7·1
5	5	10	9	7	0	0	8	9	10	10	10	9	10	9	1	10	5	9	9	10	10	10	8	9	9	3	4	7	8	6	4	7·3
6	4	10	9	6	1	0	9	10	10	10	10	9	6	9	4	10	9	9	10	10	10	10	7	7	9	2	6	9	8	6	7	7·6
7	5	8	9	6	1	2	7	10	10	10	10	10	9	9	4	10	8	10	9	10	10	10	6	7	8	2	6	8	8	7	7	7·6
8	7	8	10	5	1	3	8	10	10	10	9	10	9	9	3	10	7	10	9	9	10	10	7	5	8	5	6	8	8	7	7	7·7
9	5	8	10	5	1	4	5	6	10	10	10	9	9	9	4	8	6	6	8	9	8	10	7	5	6	6	6	7	7	8	6	7·0
10	6	8	10	4	4	6	4	8	10	10	10	9	8	10	4	9	7	8	10	9	10	9	8	8	9	8	6	9	8	8	7	7·9
11	5	7	10	7	3	7	5	8	10	10	9	9	10	8	5	10	10	7	8	9	9	10	8	7	10	10	5	8	7	8	8	8·0
Noon	7	8	10	6	3	8	6	8	10	10	8	9	9	7	7	10	10	8	8	8	8	10	8	6	10	8	5	9	9	6	7	7·9
13h	8	10	9	4	4	10	6	9	10	10	6	9	10	10	7	10	8	9	10	8	8	7	9	8	10	8	4	9	9	6	7	8·1
14	6	10	10	4	5	10	7	10	10	10	5	10	10	10	8	10	8	8	10	8	8	6	7	8	10	9	6	7	8	6	8	8·1
15	4	10	10	3	7	10	8	10	10	10	4	9	10	10	9	10	9	10	10	7	9	8	7	10	10	7	5	6	10	7	7	8·3
16	6	10	10	2	8	10	7	10	10	10	4	10	10	10	6	10	9	10	10	9	10	8	6	9	10	7	6	7	10	6	6	8·3
17	8	10	10	3	7	10	7	10	10	10	3	10	10	10	5	9	9	9	10	10	8	8	8	9	8	8	5	10	10	5	6	8·2
18	7	10	10	3	8	10	5	10	10	10	3	10	10	8	2	9	9	10	10	10	9	7	9	9	6	8	4	9	10	4	5	7·9
19	8	9	10	3	9	10	4	10	10	10	3	9	10	7	6	10	9	10	10	9	10	7	9	10	5	7	4	9	8	3	3	7·8
20	8	9	9	3	8	10	4	10	10	10	4	9	10	6	9	9	8	10	10	10	10	7	8	9	3	7	3	6	9	4	3	7·6
21	9	9	10	3	6	9	9	10	10	10	3	10	10	5	9	10	8	9	10	10	10	8	8	8	1	8	3	10	10	3	2	7·7
22	7	10	8	4	7	5	8	10	10	10	6	10	9	4	8	10	9	8	10	10	7	7	10	10	5	7	3	10	6	2	2	7·5
23	8	10	7	4	4	6	9	10	10	10	8	10	8	6	6	10	10	8	10	10	7	7	9	10	7	5	2	10	6	3	3	7·5

TABLE IX.—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.
	JANUARY 1916.																															
	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	0	0	0	0	15	15	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0·8
7	33	29	0	25	60	57	0	0	3	0	0	0	13	11	60	0	8	8	0	0	0	0	3	37	25	37	60	0	1	54	33	9·3
8	33	50	0	55	60	60	27	40	0	0	0	6	3	3	60	22	0	48	0	5	20	0	37	60	58	60	60	50	59	60	60	16·6
9	59	59	0	60	60	60	56	60	0	0	15	7	23	52	60	53	27	58	28	30	43	1	59	60	55	60	60	52	60	60	60	22·3
10	60	55	0	60	60	40	60	59	0	0	0	30	45	50	60	60	54	47	8	44	50	45	50	50	37	59	60	30	60	60	60	22·5
11	60	60	0	60	60	24	59	59	0	0	32	16	2	50	37	60	50	60	50	50	44	10	45	50	0	20	48	53	60	60	60	20·6
Noon	60	60	7	60	55	16	58	28	0	0	60	58	15	60	25	43	3	60	12	58	30	31	17	33	0	5	58	58	60	60	60	19·2
13h	60	25	0	60	57	23	44	6	0	0	59	58	31	32	30	57	0	26	2	59	60	58	0	4	0	10	60	37	60	60	60	17·3
14	60	2	0	60	17	0	17	0	0	0	55	1	0	30	20	27	36	57	6	58	50	58	0	0	0	5	58	60	59	60	60	14·3
15	60	0	0	60	0	0	7	0	0	0	60	0	0	0	7	15	8	20	13	60	0	45	2	0	0	45	60	58	28	60	60	11·1
16	60	0	0	60	0	0	37	0	0	0	60	0	1	5	10	35	0	0	5	2	0	60	0	0	0	25	57	28	20	60	38	9·4
17	56	0	0	60	25	0	20	0	0	0	60	0	0	0	13	17	0	1	0	0	2	59	38	17	10	0	55	7	2	60	60	9·4
18	53	0	0	60	32	0	16	0	0	0	60	0	1	23	15	35	2	0	0	0	0	13	2	0	0	13	16	17	0	33	58	8·1
19	0	0	0	10	10	0	0	0	0	0	8	0	0	0	0	7	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0·6

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 181·5 hours; the corresponding period during which the sun was above the horizon was 407·6 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

JANUARY 1916.

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	23·7	22·2	23·9	22·6	24·2	22·4	24·2	22·8	24·0	22·2	22·7	21·3	22·8	21·5	22·8	20·0
1h	23·7	22·3	24·1	22·8	22·5	21·4	24·2	23·0	23·9	22·6	22·3	21·1	22·9	21·7	22·7	20·0
2	23·2	22·1	24·2	22·9	23·7	21·1	24·2	22·8	23·7	22·3	21·8	20·6	22·2	21·3	22·4	20·0
3	23·5	22·1	23·2	22·1	23·7	22·0	23·9	22·4	22·9	21·9	21·2	20·1	22·2	21·0	22·2	19·9
4	23·2	22·1	23·3	22·8	24·2	21·1	23·2	22·0	22·2	21·1	21·1	20·0	21·6	20·1	22·2	20·1
5	23·6	22·3	23·7	22·7	24·4	21·6	23·4	22·7	21·5	20·6	21·1	20·1	21·9	20·5	21·6	20·0
6	23·8	22·3	23·8	22·7	24·2	22·0	23·2	22·1	21·5	20·5	21·2	20·5	21·8	20·5	22·1	20·0
7	25·2	22·6	24·8	23·1	24·5	22·0	25·2	24·0	24·2	22·0	24·2	22·3	22·8	21·0	23·7	20·7
8	25·2	23·4	25·5	23·6	24·9	22·0	26·5	24·0	26·6	22·6	26·9	22·5	23·7	21·3	25·9	21·8
9	26·7	23·5	26·2	23·9	25·3	22·1	27·7	24·3	29·2	24·0	28·2	22·8	25·4	21·8	27·1	21·8
10	27·8	23·8	26·5	24·0	25·8	22·3	28·4	24·5	29·4	24·4	28·7	23·5	27·1	22·7	27·8	22·0
11	28·5	23·4	27·5	23·9	25·2	23·0	28·3	24·4	29·9	24·0	28·2	23·6	27·4	23·0	28·1	22·5
Noon	29·1	23·3	28·2	24·0	26·9	23·5	29·2	24·7	29·9	23·5	27·5	23·6	27·1	22·3	28·2	22·7
13h	29·2	23·6	26·2	23·9	26·2	23·8	29·6	24·3	30·2	24·1	26·6	23·6	27·2	22·2	28·2	22·6
14	29·2	23·1	25·7	23·4	25·1	23·5	29·8	23·9	28·2	23·1	23·8	22·4	26·8	22·0	27·8	22·3
15	28·6	23·1	26·6	23·1	25·8	23·3	29·6	24·4	27·8	22·9	23·2	22·1	26·4	21·9	26·9	22·1
16	28·6	22·9	25·6	23·1	25·4	22·9	29·6	24·3	26·9	23·9	22·5	21·4	27·2	21·5	26·4	21·8
17	27·2	22·9	23·7	22·5	24·8	22·9	28·9	23·9	25·9	23·6	23·2	21·5	25·8	21·4	25·9	21·8
18	26·4	22·7	24·0	22·4	24·6	22·7	28·2	23·3	26·5	23·5	23·5	22·1	25·2	21·1	25·7	21·8
19	25·8	22·4	23·2	22·0	23·7	22·3	26·7	23·6	26·2	24·0	21·9	21·1	24·0	20·8	25·1	21·6
20	24·2	22·5	24·2	22·3	23·7	22·6	26·2	23·8	24·7	22·5	22·1	20·9	23·3	20·5	24·9	21·7
21	24·5	22·4	24·3	22·6	24·8	22·9	25·2	23·3	23·9	22·0	22·1	20·5	23·2	20·2	24·7	21·6
22	24·4	22·4	24·8	22·4	24·8	22·9	24·3	22·7	23·9	22·0	22·2	20·9	22·9	20·0	23·9	21·9
23	23·2	22·0	23·8	22·5	24·7	23·0	24·5	22·6	23·2	21·7	22·4	21·3	22·8	20·0	23·8	21·5

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	23·3	22·0	23·0	22·4	25·0	24·5	24·7	22·4	23·5	22·0	24·1	22·3	23·8	22·6	24·2	21·9
1h	23·2	21·6	22·5	22·2	25·2	24·7	24·8	22·2	23·7	22·2	24·0	22·4	23·8	22·7	24·2	22·2
2	23·2	21·7	22·7	22·2	25·3	24·9	24·6	22·3	23·7	22·3	23·3	22·1	23·7	22·6	24·2	22·5
3	23·2	21·5	23·2	22·7	25·2	24·7	24·4	22·3	23·7	22·4	23·7	22·6	23·7	22·6	23·8	22·5
4	23·5	21·8	23·2	22·7	25·2	24·5	24·3	22·1	23·4	22·4	23·4	22·3	23·2	22·1	23·1	21·8
5	23·2	22·0	23·2	22·7	25·2	24·5	24·3	22·2	23·2	22·2	23·4	22·2	22·2	21·2	23·7	22·5
6	23·2	22·0	23·7	23·0	25·1	24·4	24·2	22·1	23·2	21·8	23·7	22·1	22·3	21·4	24·0	22·6
7	24·9	23·0	24·0	23·3	25·2	24·5	24·3	22·5	24·6	22·8	24·4	22·8	25·4	23·0	24·2	23·1
8	24·0	22·8	23·7	22·9	25·4	24·8	24·5	22·6	25·2	22·8	24·8	22·7	26·5	23·0	25·2	23·5
9	24·2	23·0	24·2	23·6	26·2	25·3	26·2	23·0	26·2	23·4	26·5	23·6	27·1	23·6	27·7	24·3
10	24·4	23·4	23·7	23·1	24·9	24·5	26·7	23·6	27·2	23·7	26·2	23·3	28·7	23·0	29·2	24·4
11	25·4	23·5	24·0	23·6	27·2	25·6	26·9	23·5	25·2	23·5	26·9	23·5	28·3	24·5	30·2	24·7
Noon	24·4	23·4	24·0	23·6	27·7	24·9	28·3	24·0	27·2	24·0	28·0	23·7	29·1	23·5	29·1	25·0
13h	24·5	23·6	22·7	22·0	27·5	24·6	28·7	23·8	28·3	23·8	27·4	23·5	29·2	23·2	29·4	25·4
14	23·3	22·5	23·1	22·6	27·4	24·6	28·2	22·9	27·3	23·3	28·0	23·6	29·2	22·9	29·4	25·4
15	23·2	22·5	23·7	23·5	28·2	24·9	27·4	22·9	27·2	23·3	27·1	23·6	28·7	24·2	29·0	25·4
16	23·7	22·9	24·1	23·5	28·0	24·8	27·1	22·9	26·3	23·1	26·8	23·1	28·6	24·1	29·6	25·5
17	23·7	22·8	24·0	23·6	28·0	24·4	26·5	22·8	25·8	22·4	25·6	22·7	27·8	22·2	28·2	24·3
18	23·7	23·0	24·2	23·8	28·2	24·0	26·1	22·8	25·2	22·6	25·7	22·9	26·9	21·7	27·9	24·0
19	23·2	22·5	24·2	23·7	25·8	23·4	25·3	22·6	24·3	22·3	24·7	22·7	24·9	21·7	26·8	24·2
20	23·4	23·0	24·2	23·7	25·2	22·9	25·1	22·3	24·3	22·2	24·6	22·7	24·5	21·7	25·3	24·0
21	23·5	23·0	24·3	24·0	24·6	22·9	24·9	22·2	24·2	22·2	24·2	22·7	24·4	21·8	25·2	24·0
22	23·2	22·5	24·4	24·1	24·3	22·4	24·5	22·2	24·2	22·1	24·1	22·8	24·3	21·9	25·2	24·3
23	22·9	22·3	24·7	24·3	24·4	22·6	23·9	22·4	24·2	22·0	23·9	22·6	24·2	22·0	25·2	24·2

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

(*To obtain temperatures in the Absolute Scale add* 273°)

JANUARY 1916.

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

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

JANUARY 1916.

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	885	937	876	936	855	967	909	858	900	891	900	918	900	921	900	926	Midnight
1h	885	938	873	941	841	959	905	878	900	889	893	915	896	921	900	928	1h
2	892	940	883	942	843	957	906	870	900	889	895	911	900	920	895	922	2
3	883	942	873	941	834	927	908	882	900	889	893	916	889	928	895	925	3
4	883	941	873	927	827	930	910	886	900	888	896	921	889	927	895	926	4
5	883	943	874	940	816	935	910	886	900	889	893	916	882	927	896	921	5
6	880	948	883	941	822	952	910	886	900	886	895	912	888	919	900	927	6
7	876	957	871	944	803	919	911	873	896	891	892	919	883	926	900	928	7
8	872	967	864	954	810	938	891	854	895	888	891	921	881	928	913	933	8
9	900	982	858	963	833	886	900	841	895	876	889	916	884	940	908	937	9
10	900	984	869	974	834	900	912	840	892	859	886	886	900	943	908	938	10
11	883	985	900	985	881	853	874	836	889	846	900	874	909	946	929	929	11
Noon	867	980	833	967	852	852	900	835	883	859	934	923	870	945	929	929	Noon
13h	883	987	841	959	856	834	889	848	892	859	923	923	892	940	914	936	13h
14	883	983	854	968	844	844	900	844	900	930	875	937	900	945	926	926	14
15	884	980	867	980	854	831	881	854	900	923	895	926	910	948	929	919	15
16	900	979	858	962	848	848	900	854	926	900	882	927	891	946	906	930	16
17	885	977	900	968	857	857	900	859	912	905	879	921	882	944	906	929	17
18	900	970	868	948	861	842	894	871	906	906	915	915	900	950	911	926	18
19	874	963	861	958	854	854	897	885	909	909	905	926	900	936	905	926	19
20	879	952	861	959	879	848	898	888	908	918	904	920	894	928	905	922	20
21	879	954	860	960	877	845	898	888	900	915	892	918	888	930	911	926	21
22	879	951	854	969	889	847	898	888	900	915	900	921	893	933	924	924	22
23	883	943	842	958	909	855	900	884	900	916	900	921	893	932	909	921	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	913	919	913	920	956	900	883	875	883	926	882	945	885	938	879	914	Midnight
1h	905	922	904	921	963	887	871	871	888	919	876	936	886	934	888	905	1h
2	909	922	900	922	963	874	870	906	885	923	879	931	886	936	893	903	2
3	904	921	905	924	954	846	885	915	881	928	875	938	889	929	894	903	3
4	904	920	911	929	956	844	864	924	882	918	874	939	890	914	888	905	4
5	904	918	920	930	935	848	871	929	891	921	883	943	894	906	888	905	5
6	900	927	938	925	911	844	877	923	879	932	874	940	892	908	891	907	6
7	913	932	941	928	921	849	883	911	881	928	865	935	886	914	897	908	7
8	931	931	937	937	900	846	882	918	870	945	875	959	887	933	885	906	8
9	941	928	964	926	933	850	873	927	879	952	852	948	872	928	887	934	9
10	920	930	962	926	910	852	859	917	868	948	863	957	865	914	900	935	10
11	912	931	954	922	888	840	863	925	876	957	859	962	889	871	890	924	11
Noon	912	930	953	922	838	838	859	917	873	966	857	964	872	906	894	870	Noon
13h	912	630	946	931	844	844	864	936	854	969	800	971	885	910	892	859	13h
14	913	934	947	881	857	836	848	922	870	946	847	953	906	930	900	856	14
15	907	934	975	885	845	845	860	944	872	967	858	962	929	906	900	875	15
16	924	024	954	878	845	845	855	930	857	943	860	940	913	909	894	885	16
17	919	928	952	900	849	866	869	931	849	951	876	958	864	924	885	937	17
18	917	941	961	900	858	883	868	932	852	948	867	950	852	948	863	937	18
19	929	929	957	912	864	886	878	922	874	964	878	953	871	919	889	926	19
20	933	922	959	900	877	885	880	920	864	955	881	946	878	922	892	918	20
21	936	924	960	900	890	890	879	921	864	954	·882	943	875	925	886	922	21
22	943	917	960	900	892	889	875	910	866	934	890	951	873	927	891	912	22
23	926	926	959	875	894	892	889	916	869	946	885	937	881	912	871	929	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs, and are published to the nearest metre*).

JANUARY 1916.

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	868	948	893	934	900	948	890	950	908	940	914	934	905	923	903	913	Midnight
1h	889	953	900	938	900	953	890	950	892	938	908	938	905	924	903	913	1h
2	900	951	900	932	900	945	882	943	893	932	929	929	904	921	900	912	2
3	892	938	913	934	900	946	900	941	891	946	917	941	904	920	897	917	3
4	886	935	913	933	900	946	900	944	893	936	908	939	904	918	897	916	4
5	900	939	906	931	900	948	885	938	900	939	900	939	901	922	897	913	5
6	892	940	900	934	900	951	892	941	900	944	900	941	905	924	898	912	6
7	883	942	900	943	911	952	900	945	900	948	907	935	904	920	897	916	7
8	890	951	918	943	900	963	900	940	909	943	914	936	915	924	892	918	8
9	882	945	919	946	900	963	888	967	911	951	917	941	912	930	903	916	9
10	874	963	918	945	900	964	916	957	909	944	909	943	913	933	903	916	10
11	913	962	919	946	913	963	900	982	909	945	917	943	924	936	910	914	11
Noon	917	941	922	952	900	969	900	979	920	948	925	937	918	927	929	906	Noon
13h	917	941	900	956	900	975	900	961	920	948	950	933	918	927	876	924	13h
14	915	938	900	956	887	964	900	963	919	946	921	950	911	927	883	900	14
15	913	933	924	958	900	969	889	955	930	946	923	935	910	914	890	900	15
16	900	937	900	950	900	968	886	967	910	950	928	941	911	929	891	902	16
17	900	940	909	945	900	952	900	961	913	963	913	934	911	926	886	903	17
18	908	940	891	943	883	941	882	943	909	942	922	932	909	922	911	908	18
19	900	935	891	942	890	950	876	957	910	948	911	927	909	913	905	903	19
20	894	930	900	954	888	957	886	934	909	945	910	923	904	920	907	904	20
21	889	929	900	954	900	952	900	952	910	949	911	926	904	918	907	904	21
22	892	940	910	950	900	940	900	938	916	939	908	919	903	914	906	906	22
23	892	939	900	951	900	949	889	955	908	938	913	932	903	913	908	908	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	896	910	894	913	883	917	890	925	900	944	908	939	889	927	895	924	Midnight
1h	894	913	892	919	890	914	889	926	917	941	900	945	895	925	895	924	1h
2	895	911	892	919	889	917	883	925	915	938	900	941	890	925	896	923	2
3	895	912	893	916	888	918	888	930	907	932	908	940	892	920	895	923	2
4	894	915	894	915	890	924	883	925	900	935	907	934	892	919	894	922	4
5	895	912	892	919	889	916	883	925	900	940	900	931	893	917	893	922	5
6	894	913	892	918	890	914	888	919	915	938	900	931	893	916	894	923	6
7	895	912	892	919	890	925	882	927	914	934	900	938	892	919	893	924	7
8	897	908	890	923	892	941	878	932	909	943	909	942	886	935	893	929	8
9	895	904	887	934	882	945	900	950	920	948	917	942	911	952	897	931	9
10	914	914	883	941	874	939	914	935	910	950	910	948	889	956	895	931	10
11	925	905	879	932	873	941	909	942	921	952	900	945	911	952	901	927	11
Noon	888	881	896	918	890	951	891	943	928	942	900	950	911	955	896	926	Noon
13h	892	882	879	891	900	949	930	930	920	949	910	951	912	958	897	926	13h
14	907	893	869	900	881	946	917	942	900	957	911	952	912	958	894	927	14
15	906	903	890	951	889	955	900	945	918	945	918	945	913	962	899	929	15
16	898	909	882	944	879	950	900	951	911	953	917	941	900	963	894	928	16
17	897	906	872	941	879	950	900	947	909	946	891	946	875	979	892	932	17
18	900	913	876	936	872	942	894	936	910	951	909	942	882	945	892	929	18
19	900	920	871	929	883	941	891	929	900	946	900	938	893	936	893	928	19
20	900	919	887	934	892	940	907	921	909	944	890	931	894	929	895	925	20
21	894	913	883	926	884	939	908	932	900	945	888	935	885	937	895	926	21
22	891	921	883	926	891	943	909	937	909	950	894	931	888	931	897	925	22
23	895	911	877	923	886	935	909	946	909	943	894	928	889	928	896	925	23

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

JANUARY 1916.

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

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

TABLE XIII.—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 1916.

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

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of JANUARY 1916.

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	29·8	29·5	29·1	28·7	28·4	28·9	29·5	30·1	28·9	28·7	28·2	27·8	27·9	29·4	30·5	30·4	27·4	26·8	26·2	26·5	27·9	32·7	32·7	30·2
2	30·4	29·6	29·2	28·8	28·6	28·6	28·9	28·9	30·3	28·9	28·3	27·9	28·2	28·7	28·9	28·5	30·3	26·3	26·3	26·5	28·0	29·3	28·1	26·6
3	28·8	28·1	27·8	27·5	27·3	27·2	27·4	27·6	27·8	27·1	26·7	26·3	26·5	26·9	27·4	27·2	25·4	24·8	24·5	24·7	25·4	27·5	27·4	26·3
4	27·4	27·1	27·2	26·8	26·7	27·3	28·8	29·4	26·8	26·4	26·2	26·0	26·2	28·0	30·3	30·3	25·6	25·1	24·6	25·3	27·3	32·2	32·9	31·3
5	29·9	29·3	28·8	28·5	28·3	28·8	29·7	29·9	29·8	28·8	27·9	27·6	28·0	29·4	30·2	30·1	29·7	27·7	26·1	26·6	29·2	32·5	31·3	30·1
6	29·6	29·3	28·9	28·3	28·2	28·5	28·6	28·6	29·2	28·4	27·8	27·2	27·7	28·3	28·5	28·3	27·6	26·5	25·6	25·8	28·3	29·0	28·6	27·2
7	29·3	27·9	27·7	27·3	27·2	27·4	28·2	28·7	30·2	26·9	26·5	26·2	26·4	27·6	28·7	28·7	29·4	25·0	24·5	24·8	26·9	30·0	30·2	28·4
8	28·7	28·2	27·8	27·4	27·2	27·7	28·4	28·7	30·2	27·2	26·6	26·3	26·6	27·8	28·6	28·6	30·1	25·5	24·6	24·8	28·0	29·9	29·6	28·6
9	28·8	28·4	28·1	27·6	27·4	27·6	27·6	27·2	28·1	27·6	27·3	26·8	27·1	27·1	26·9	26·6	27·5	26·3	25·8	25·9	26·8	26·9	26·1	25·1
10	25·9	25·8	25·9	25·7	25·5	25·2	25·2	25·2	25·1	25·3	25·1	24·9	24·9	24·7	24·8	24·8	24·1	23·5	24·0	24·2	24·2	24·3	24·6	24·5
11	25·9	25·3	25·4	25·3	25·4	25·8	26·5	27·1	25·1	24·9	24·9	24·8	25·3	26·5	27·6	27·7	24·1	24·6	24·7	24·8	26·9	29·5	30·1	28·4
12	27·4	27·1	26·8	26·7	26·6	26·8	27·5	27·8	27·6	26·7	26·3	26·1	26·4	27·5	28·3	28·2	26·6	25·8	25·1	25·6	27·9	30·7	29·9	28·4
13	27·9	27·6	27·4	27·1	27·2	27·2	27·7	28·1	27·8	27·1	26·8	26·7	26·7	27·6	28·4	28·4	27·1	26·0	25·4	25·9	27·7	30·4	30·1	28·6
14	28·1	27·8	27·4	27·2	27·0	27·2	27·9	28·4	27·8	27·2	26·8	26·4	26·7	27·8	28·9	29·2	26·9	26·0	25·3	25·5	28·0	31·5	31·8	29·9
15	28·7	28·3	27·9	27·6	27·4	28·0	28·6	28·9	28·7	27·9	27·3	26·9	27·4	28·7	29·2	29·1	27·8	26·7	25·6	26·2	29·1	31·5	30·9	28·8
16	28·9	28·4	28·1	27·8	27·8	28·3	29·2	29·8	28·2	27·8	27·3	27·2	27·3	29·5	30·7	30·9	27·4	26·5	25·9	26·1	28·4	33·9	34·1	32·3
17	30·3	30·2	29·2	28·9	28·7	28·9	29·2	28·9	30·4	29·5	28·7	28·4	28·4	29·3	29·8	29·6	29·8	28·4	27·3	27·7	29·5	31·1	31·0	29·2
18	29·3	28·9	28·7	28·2	28·1	28·2	28·7	29·1	29·1	28·4	28·0	27·5	27·8	28·8	29·5	29·4	28·1	26·9	26·3	26·5	28·5	31·9	30·9	29·1
19	28·9	28·5	28·3	28·1	27·8	27·9	28·2	28·3	29·1	28·0	27·7	27·4	27·4	28·0	28·5	28·2	29·3	26·6	26·2	26·4	27·9	29·3	28·9	27·3
20	28·2	27·8	27·4	27·2	27·1	27·4	27·8	28·4	27·6	27·2	26·8	26·6	26·9	27·6	28·8	28·9	25·9	25·6	25·3	25·4	27·6	30·1	30·9	29·1
21	28·4	28·1	27·8	27·5	27·4	27·5	28·0	28·6	28·3	27·7	27·2	26·9	27·1	28·1	29·2	29·2	27·4	26·3	25·8	26·0	28·2	31·5	31·4	29·4
22	28·7	28·2	27·9	27·8	27·6	27·8	28·4	28·8	28·3	27·8	27·4	27·8	27·4	28·2	29·4	29·6	28·8	26·6	25·9	26·3	28·2	30·9	32·1	30·3
23	30·4	28·7	28·4	28·2	27·9	28·2	28·7	28·8	30·3	28·5	28·2	27·7	27·9	28·7	29·2	29·2	30·3	27·6	26·9	26·9	28·9	30·2	30·5	29·3
24	28·9	28·6	28·3	28·1	28·0	28·3	28·8	28·3	28·8	28·3	27·7	27·5	27·9	29·1	29·2	29·1	28·2	27·1	26·3	26·8	29·8	30·5	30·2	30·5
25	29·1	28·7	28·6	28·2	28·1	28·2	28·2	28·2	29·0	28·4	28·1	27·6	28·2	28·0	28·0	27·9	28·4	27·3	26·6	27·1	27·7	28·0	27·9	27·3
26	28·7	27·8	27·5	27·4	27·3	27·6	28·0	28·3	27·8	27·2	26·8	26·6	26·9	28·0	28·5	28·2	28·3	25·8	25·2	25·8	28·2	29·6	29·4	27·7
27	30·4	27·9	27·6	27·3	27·1	27·5	28·4	28·8	30·4	27·3	26·8	26·3	26·6	28·2	29·8	29·8	27·6	25·7	24·8	25·0	27·6	32·8	32·5	30·4
28	28·9	28·6	28·2	26·8	27·7	27·9	27·9	28·8	28·8	28·2	27·7	27·3	27·4	28·3	28·3	29·4	28·2	26·8	26·2	26·4	28·3	30·8	30·8	29·5
29	28·8	28·4	28·0	27·8	27·7	27·8	28·6	28·9	28·7	28·1	27·6	27·3	27·4	28·3	29·4	29·4	27·8	27·2	25·9	26·1	28·1	31·3	31·1	29·4
30	30·6	28·4	28·2	27·8	27·6	28·0	28·7	29·1	30·4	28·1	27·5	27·2	27·4	28·9	29·9	30·1	30·4	26·6	25·9	26·0	28·7	32·3	32·8	30·5
31	28·9	28·9	28·7	28·2	28·0	28·4	29·2	29·7	28·7	28·7	28·1	27·6	27·7	29·3	30·7	30·8	27·9	27·3	26·6	26·6	26·3	34·1	34·0	31·4
Mean	28·87	28·24	27·96	27·63	27·70	27·76	28·26	28·60	28·64	27·71	27·25	26·94	27·17	28·15	28·92	28·91	27·85	26·30	25·66	25·94	27·85	30·53	30·40	28·88

* Direct. ** Retrograde.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of JANUARY 1916.

Station. / Day.	River System No. 1.						River Systems 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.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Jan. 1d		...	...	9·1	7·0	13·2	...		8·4	...	13·7	...	10·9	7·6	11·7	...
2		2·3	19·2	2·3	4·5	19·6	12·7		6·0	35·6	1·3	...	10·2	5·1	...	2·0
3		4·8	...	18·5	14·2	11·2	12·2		19·3	5·1	13·5	15·2	26·2	8·1	10·2	4·3
4		...	...	0·8	2·5	1·5	4·0		1·8	...	6·9	...	17·8	5·1	5·3	0·5
5		...	1·5	0·5	...	...	...		...	30·6	4·1	...	...	...	28·7	...
6		...	6·4	17·0	0·5	...	8·1		4·0	21·6	7·9	...	...	...	...	1·3
7		11·7	...	...	11·5	17·0	8·1		34·5	...	74·4	39·6	10·9	22·0	21·1	...
8		...	0·7	...	...	...	3·0		6·6	...	4·3	...	...	...	15·0	3·3
9		...	69·2	0·2	2·5	1·0	6·4		11·2	101·6	7·1	2·0	...	3·3	3·8	54·9
10		49·0	48·5	63·5	71·1	115·8	53·3		60·9	158·7	50·5	30·5	69·8	63·5	82·8	63·5
11		48·8	27·3	72·4	73·7	113·8	97·5		123·4	3·8	113·5	114·3	94·0	90·2	125·2	6·1
12		3·0	5·8	5·6	4·5	8·4	18·3		9·1	29·5	2·0	2·5	6·8	3·0	2·8	5·1
13		0·5	7·8	2·0	0·8	10·4	4·5		4·5	27·2	11·9	2·5	25·6	14·0	2·8	2·5
14		4·0	...	7·6	0·8	3·3	2·0		3·5	13·2	13·2	1·3	29·2	9·4	7·6	...
15		0·5	1·2	1·3	...	1·8	1·0		4·0	...	17·0	...	8·4	1·3	1·3	3·3
16		1·0	...	0·2	0·5	3·5	1·5		2·8	26·7	16·0	3·0	9·6	3·0	5·1	2·0
17		4·3	7·1	5·1	0·8	3·0	6·5		6·9	11·4	12·2	4·6	16·5	10·4	5·8	...
18		...	10·1	1·5	3·8	10·7	2·5		5·1	58·7	7·1	1·5	12·2	5·1	4·6	12·2
19		4·3	18·2	13·5	6·5	30·7	27·6		60·4	27·9	30·5	13·2	58·4	19·5	15·2	6·3
20		5·9	3·0	4·3	5·5	17·2	7·0		9·6	6·4	20·3	9·9	45·7	17·8	49·5	2·0
21		2·3	6·5	4·5	4·5	4·3	2·0		2·0	6·4	2·3	5·0	7·6	3·0	2·5	2·5
22		3·2	...	6·6	5·0	8·4	2·5		3·8	...	6·3	6·1	12·4	...	3·0	...
23		5·9	6·5	1·0	1·3	5·9	...		0·5	47·0	2·0	...	5·1	57·1	2·8	41·1
24		...	0·8	6·9	10·4	42·4	13·7		9·6	...	6·3	30·5	29·2	15·2	41·4	3·0
25		...	32·0	2·3	6·0	10·7	11·2		3·5	2·5	1·3	6·8	67·5	2·5	4·3	5·1
26		4·3	...	23·9	75·2	6·9	5·0		4·5	6·1	3·0	6·6	2·0	3·0	5·3	...
27		...	3·0	1·0	1·8	3·3	0·8		2·0	6·4	2·5	0·5	8·9	...	...	0·8
28		...	8·4	4·0	0·2	0·5	0·5		1·3	...	2·5	2·5	4·0	...	...	2·0
29		11·7	...	7·0	12·5	13·5	6·0		9·4	...	6·3	10·2	7·6	7·1	...	0·5
30		...	...	4·6	5·5	10·4	1·8		1·5	7·6	...	...	3·8	3·0	5·1	...
31		...	...	0·5	...	0·8	0·8		5·1	14·7	...	...	10·2	2·0	...	...
Total ...	...	167·5	283·2	287·7	333·1	489·2	320·9	...	425·2	648·7	459·9	308·3	590·5	381·7	462·9	224·3

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of JANUARY 1916.

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.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Jan. 1d	2·0	8·9	17·8	8·9	8·0	...	5·1	5·6	...	14·0	27·9	7·6	...	20·3	Observations discontinued temporarily.	...
2	2·5	...	8·6	2·0	15·0	...	10·4	3·0	...	33·0	30·8	10·2	...	33·8		...
3	7·0	23·6	31·7	38·1	8·0	...	65·0	18·8	38·6	68·6	54·6	35·6	...	18·0		31·0
4	12·0	11·7	26·4	7·9	6·0	35·8	36·1	...	...	27·4	47·5	25·4	55·9	...		0·8
5	...	...	0·5	...	...	...	4·6	...	...	7·9	0·8	...	0·8	5·3		6·6
6	...	...	...	...	...	...	...	27·4	12·4	41·6	2·0	...	0·1	22·1		..
7	...	...	0·5	...	...	...	...	7·6	...	87·6	19·0	12·7	6·6	...		12·7
8	...	...	...	...	...	...	...	...	...	4·1	5·3	5·1	0·9	...		...
9	...	0·8	...	...	...	...	65·0	17·8	23·4	11·2	1·0	...	...	86·6		...
10	28·0	43·4	54·9	94·0	27·0	43·2	56·1	43·7	63·0	9·6	59·9	50·8	58·0	176·0		50·8
11	24·0	51·8	91·4	65·3	22·0	18·5	10·2	55·1	16·3	1·5	90·9	114·3	122·5	15·8		96·5
12	6·5	7·9	20·3	2·8	5·5	10·2	26·4	...	...	2·8	39·6	2·5	1·6	17·0		1·5
13	0·5	19·8	35·6	13·2	11·0	...	37·6	1·5	...	19·6	48·8	5·1	4·1	21·3		1·8
14	8·0	27·2	30·5	3·5	18·5	14·5	...	...	...	11·6	39·9	...	1·3	2·5		...
15	0·5	6·1	16·0	...	4·0	...	12·7	...	...	1·0	8·6	...	0·1	5·1		...
16	3·0	3·8	12·7	...	3·0	...	4·6	...	...	13·5	16·2	...	...	9·9		0·5
17	5·0	18·3	20·8	9·1	8·0	1·8	1·3	...	...	1·0	14·7	10·2	18·7	6·9		1·3
18	2·5	11·7	14·2	5·8	3·5	...	15·0	...	...	4·8	16·2	2·3	2·0	35·3		...
19	21·2	28·9	96·5	26·9	18·0	47·0	4·8	5·1	6·3	...	57·1	15·0	21·3	31·0		6·8
20	2·5	24·1	43·2	3·8	15·0	1·5	5·3	...	...	...	110·0	10·2	6·8	8·1		1·8
21	3·5	2·5	8·1	4·1	5·0	14·5	4·3	2·0	2·5	...	42·7	...	2·5	15·2		0·8
22	4·5	12·2	12·7	4·3	6·0	...	...	...	...	...	9·1	10·2	10·1	9·7		4·3
23	1·0	5·1	1·8	...	1·5	...	34·0	...	31·7	...	2·5	...	0·9	43·7		0·5
24	25·0	11·4	16·2	96·0	6·0	60·2	7·9	...	36·3	...	18·3	2·5	1·3	64·3		0·5
25	4·0	48·8	8·9	3·8	23·5	22·3	...	3·0	21·6	15·0	30·5	30·5	8·9	3·3		48·8
26	3·0	...	0·2	...	0·5	...	0·5	...	1·0	0·8	2·8	...	23·1	3·6		4·3
27	0·5	1·0	8·1	...	2·0	4·8	...	18·3	...	1·0	5·8	...	1·5	2·3		...
28	5·0	4·6	3·8	...	1·0	...	3·0	...	4·8	19·3	6·1	...	0·3	15·5		...
29	16·5	12·2	6·3	18·3	10·5	15·2	...	...	...	...	37·3	...	5·5	8·9		...
30	...	3·8	5·1	...	...	...	...	...	...	...	4·6	...	0·8	1·3		...
31	...	1·0	10·2	...	...	...	...	...	...	...	4·6	...	0·8	6·1		...
Total ...	188·2	390·6	603·0	407·8	228·5	289·5	409·9	208·9	257·9	396·9	855·1	350·2	356·4	688·9	...	271·3

* Residence.

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

JANUARY 1916.

Royal Alfred Observatory, Pamplemousses.

Hour Ending. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	8d.	9d.	10d.	11d.	13d.	16d.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	...	...	...	...	...	...	..	...	0·5	...	...	...	...	...	...	...	0·3	...	...	...	...	0·8	·01	...	...	...	...
2	...	0·3	1·8	...	...	...	...	0·1	0·3	...	...	...	...	0·1	...	...	...	0·3	...	...	...	...	...	...	...	...	...
3	...	1·3	0·8	...	...	...	...	...	0·5	0·5	...	...	...	0·1	...	...	...	3·0	...	...	...	...	...	...	...	0·3	...
4	...	3·6	...	...	...	...	...	..	0·3	...	·01	...	...	...	...	0·8	...	0·5	...	...	...	...	...	...	·03	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·3	...	...	...
6	...	0·1	...	...	...	...	...	...	2·0	0·3	0·1	...	...	0·5	...	...	0·9	...	0·1	...	...	...	...	...	...	...	...
7	...	0·3	...	...	...	...	...	...	...	...	...	...	...	1·3	2·0	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	2·0	0·8	...	0·3	...	...	...	0·3	...	...	...	...	...	...	...	2·0	...	...	...
9	...	...	...	0·4	...	...	...	0·8	0·5	...	...	...	...	0·1	...	...	0·4	...	0·1	...	...	...	...	...	...	...	...
10	...	0·6	...	...	...	...	...	2·0	6·6	2·8	...	...	...	...	...	0·4	1·0	...	0·3	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	5·6	1·0	0·3	...	...	0·3	...	0·1	...	...	...	...	35·6	...	...	0·8	...	...	...
Noon	...	...	...	...	...	...	...	1·6	10·9	...	...	...	0·3	...	...	...	...	...	...	...	11·9	0·3	...	0·3	...	...	...
13h	...	1·0	...	...	...	...	...	1·8	12·7	...	...	...	1·8	...	...	...	...	...	0·3	...	7·9	0·3	...	0·3	...	...	...
14	...	1·0	...	...	...	4·3	..	5·6	17·8	...	...	...	...	...	...	...	...	...	...	0·3	0·5	...	...	...	...	...	...
15	...	...	0·5	...	...	1·5	...	1·3	4·6	...	...	...	...	...	0·5	...	...	...	...	...	10·9	...	...	...	...	...	...
16	...	0·3	...	...	0·6	0·6	...	5·1	0·5	...	...	...	...	...	...	...	...	...	...	...	1·5	...	...	...	...	...	0·3
17	...	3·0	...	...	...	...	...	...	7·6	...	...	...	...	...	3·8	...	0·3	...	...	...	3·0	...	...	...	...	...	...
18	...	0·5	...	...	...	...	...	5·1	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·1	...	...
19	...	4·3	...	...	..	0·5	...	1·3	...	...	...	...	...	1·8	...	...	...	...	0·4	...	...	...	...	0·1	...	...	...
20	·03	...	...	...	...	0·4	...	1·3	2·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...
21	0·8	...	...	...	...	...	...	5·1	0·3	...	...	...	...	...	...	...	0·3	...	...	0·5	...	...	...	2·3	0·1	...	...
22	...	...	...	...	...	...	...	17·8	1·5	...	...	...	...	...	0·4	1·0	...	0·3	...	...	...	...	...	...	3·0	...	...
23	2·5	...	...	...	...	...	0·1	1·3	2·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·3	...	...
Midnight	...	...	...	...	...	...	..	6·3	...	...	...	0·3	0·1	...	0·4	...	...	...	...	...	...	...	...	0·5	...	...	...

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

Hour Ending. \ Day.	1d.	2d.	3d.	7d.	9d.	10d.	11d.	13d.	14d.	15d.	16d.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	27d.	28d.	31d.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	0·5	0·5	3·1	...	...	0·5	1·8	...	0·2	...	...	...	0·8	...	1·5	...	...	...	...	...	...	..
2	0·8	...	...	...	...	1·5	0·8	...	0·1	...	1·3	...	0·8	3·5	...	0·2	...	...	...	...	...	...
3	...	0·2	0·5	...	...	...	0·5	...	...	0·2	...	1·0	...	1·3	1·0	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	0·2	0·8	0·5	4·8	...	...	...	...	...	...	0·2	...
5	0·2	2·3	...	...	...	1·5	0·2	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	0·5
6	1·0	...	...	...	...	2·5	...	...	...	...	...	...	...	...	...	...	...	1·5	...	...	...	...
7	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	0·2	1·5	...	0·5	...	0·2	...	...	...	0·5	...	...	0·2	...	0·8	0·2	...	0·2	...
9	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...
10	...	0·5	...	...	...	...	0·2	...	...	...	...	...	...	0·2	...	...	...	0·2	...	...	2·8	...
11	..	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...
Noon	...	...	0·5	...	0·2	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	3·5	...
13h	...	...	0·2	...	...	...	...	...	...	0·2	...	0·2	...	...	..	...	...	...	...	...	0·5	...
14	0·5	...	...	...	3·0	0·5	...	...	...	...	...	...	10·2	2·8	...	1·8	0·2	...	...	...	0·2	...
15	0·2	...	...	...	0·5	...	...	0·5	...	...	1·3	...	0·5	0·5	...	...	...	...	2·0	...	...	...
16	...	0.8	...	...	2·5	...	...	0·5	...	...	...	0·2	1·3	...	0·2	...	...	...	...	...	...	...
17	0·5	...	0·8	...	...	...	...	0·2	...	...	...	...	0·5	...	0·5	...	...	...	...	...	0·5	...
18	...	.	...	...	...	...	...	0·2	...	...	0·5	...	0·5	...	0·2	...	...	...	...	...	...	...
19	...	4·0	3·7	...	...	...	...	0·5	0·2	...	0·2	...	0·5	...	...	...	...	...	...	0·2	...	...
20	...	...	...	...	2·0	...	...	1·3	...	...	1·3	0·5	0·8	...	...	...	...	...	...	...	...	...
21	...	...	...	...	5·1	...	...	...	...	...	0·5	0·2	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	2·5	...	...	...	...	...	0·8	0·5	...	...	0·2	...	...	...	...	...	...	...
23	...	...	...	...	0·5	...	...	...	...	...	0·5	0·2	...	...	...	...	...	...	...	...	...	...
Midnight	...	1·3	0·2	...	1·0	...	...	0·2	0·5	...	...	...	0·5	...	...	...	...	...	...	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of JANUARY, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude	Total fall in inches.	Total fall in mill.	Normal. in mill.	Number of days.
			Feet.				
1	1	Mare Sèche ...	20	9·26	235·2	182·4	22
	2	Union	200	8·11	206·0	115·3	23
	3	St. Antoine ...	50	6·60	167·5	173·7	18
	4	Bel Mont	50	6·72	170·7	183·1	17
	5	Poudre d'Or ...	20	6·67	169·4	168·9	15
	6	Poudre d'Or Hospital	10	4·87	123·7	136·6	...
	7	Mon Loisir (R) ...	300	8·47	215·1	180·6	25
	8	Mon Loisir (S.E.) §..	300	...	...	...	...
	9	Forbach	300	9·31	236·4	169·7	16
	10	Labourdonnais ..	290	11·15	283·2	224·8	20
	11	Beau Séjour ...	300	11·34	287·7	236·7	29
	12	Mont Piton ...	860	13·26	336·8	264·4	27
	13	Mon Choix... ...	700	15·62	396·7	293·1	24
	14	Antoinette	640	11·64	295·6	227·6	25
	15	California	850	14·23	361·4	257·8	21
	16	Nouvelle Découverte	1,400	19·26	489·2	269·7	28
	17	Mon Songe... ...	620	14·37	365·0	249·4	27
	18	La Grande Rosalie ...	643	13·79	350·2	228·1	20
	19	The Mount * ...	325	12·93	328·3	...	19
	20	Botanic Gardens ...	225	13·11	333·1	237·0	27
	21	Beau Plan ...	195	12·59	319·8	192·3	20
	22	The Observatory ...	179	10·88	276·3	193·3	21
	23	Solitude	175	11·07	281·1	146·0	17
	24	St. André ...	90	16·66	423·1	187·4	17
	25	Belle Vue Harel ...	350	15·24	387·1	251·2	22
	26	Mont Choisy ...	10	9·23	234·4	174·5	19
	27	Belle Vue Pilot* ...	...	16·32	414·5	...	21
	28	Rosalie *	...	14·66	372·3	...	25
	29	Constance* ...	...	14·64	371·9	...	29
2&3	1	Union Regnard ...	600	13·33	338·5	246·3	30
	2	La Grande Retraite	350	14·53	369·0	230·4	21
	3	Constance d'Arifat§ .	100	...	...	...	...
	4	St. Julien Church ...	1,050	16·77	425·2	204·2	30
	5	Rich Fund* ...	600	12·65	320·9	...	28
	6	Constance (Manès)*	...	11·83	300·5	...	22
	7	Queen Victoria * ...	...	14·46	367·3	...	28
	8	Belle Mare ...	...	4·81	122·0	56·1	18
	9	Constance La Gaieté *	...	9·25	234·9	...	24
4	1	Sans Souci	900	25·54	648·7	386·1	22
	2	Etoile	400	18·11	459·9	284·5	29
	3	Beau Champ ...	20	12·14	308·3	156·0	21
	4	Belle Rive * ...	400	16·22	412·0	...	28
	5	Olivia *	400	12·52	318·0	...	28
	6	Deep River* ...	350	17·95	455·9	...	27
5	1	Rose Belle* ...	850	23·25	590·5	...	27
	2	Cent Gaulettes ...	500	38·76	984·5	430·3	29
	3	St. Hubert* ...	400	35·59	...	...	24
	4	Riche-en-Eau ...	460	15·03	381·7	294·9	25
	5	Ferney	20	18·22	462·9	314·4	25
	6	Beau Vallon (R) ...	60	8·83	224·3	212·6	22
	7	Union Vale	200	18·13	460·5	208·0	14
	8	Mon Désert(Carié)*.	75	9·10	231·1	...	22
	9	Riche Bois * ...	1,420	16·19	412·2	...	22
	10	Cluny*	1,000	33·11	841·0	...	30
	11	Virginia Estate* ...	...	11·76	298·7	...	19
6	1	Kanaka	2,000	27·13	689·1	288·0	24
	2	Tivoli ...	1,300	21·45	544·8	297·9	24
	3	La Flora*	1,050	23·74	603·0	...	28
	4	Britannia (No. 1)...	730	15·38	390·6	329·7	25
	4a	Britannia (No. 2)*	600	4·82	122·4	...	...
	5	Gros Bois	500	14·09	357·9	301·2	27
	6	Savannah (Residence)	200	8·59	218·2	317·2	14
	7	Savannah, (Mill) ...	200	9·99	253·7	287·8	20
	8	St. Aubin	300	7·41	188·2	276·1	24
	9	St. Félix	90	9·30	236·2	276·2	12
	10	Beau Bois	350	8·99	228·5	267·7	24
	11	Labarracq (Resid.)*	250	16·06	407·8	...	18
	12	St. Avold * ...	900	18·96	481·5	...	25
	13	Terracine	100	7·50	190·5	...	23
	14	Labarracq (Mill)* ...	250	14·66	372·3	...	18
7–8&9	1	Bel Ombre ...	50	11·40	289·5	...	13
	2	Chamarel ...	400	16·14	409·9	270·5	21
	3	Beau Champ * ...	...	10·08	256·0	...	13
	4	Board * ...	...	11·75	298·4	...	12
	5	Sainte Marie * ...	...	10·20	259·1	...	12
10	...	No returns	...	...	...	...	...
11	1	Les Gorges* ...	...	18·25	463·5	210·8	18
	3	Curepipe Gardens ...	1,840	22·26	565·4	388·4	23
	4	Mare-aux-Vacoas ...	1,850	33·66	855·1	415·5	31
	5	La Marie Filter Bed	1,700	...	...	...	...
	6	Réunion	1,420	15·63	396·9	323·3	22
	7	Tamarin *	150	10·15	257·9	...	12
	8	Clarens * ‡	150	8·22	208·9	...	13
	9	Les Salines (B. R.) *	...	7·84	199·1	...	17
	10	Terrain Bonnefin †...	...	15·27	387·8	...	29
12	1	The Manse ...	850	13·04	331·2	215·4	23
	2	The Bower ...	1,080	15·93	404·6	262·6	27
	3	Le Réduit (D.of A.)	1,000	14·03	356·4	246·4	24
	4	Alma	1,460	27·12	688·9	442·4	28
	5	Minissy *	1,150	16·12	409·4	...	25
	6	Bagatelle ...	1,250	17·03	432·5	246·6	27
	7	Highlands * ...	1,300	20·11	510·7	295·4	26
	8	Trianon	950	15·46	392·5	243·3	22
	9	Salency	923	13·79	350·2	211·6	17
	10	Military Camp (V.)§	1,370	...	...	...	...
	11	La Ferme * ...	350	10·68	271·3	...	18
	12	Bon Air	1,050	15·73	399·5	262·1	19
	13	Val Ory	1,100	16·76	425·7	227·6	28
	14	Pieter Both (Este.)*	...	25·51	647·9	...	21
	15	Roslyn Cot. (Este.)*	...	19·38	492·2	...	18
	16	Agrément (Estate) *	...	21·37	542·8	...	20
	17	Circonstance (Ete.)*	...	26·76	679·7	...	20
	18	Le Reduit Grounds *	...	16·34	415·0	...	22
	19	Stanley (Estate)* ...	...	12·98	329·7	...	14
	20	Ebène (Estate)* ...	...	13·63	346·3	...	20
	21	Mon Rève (Estate)*	...	14·96	380·0	...	20
	22	Béga *	...	13·05	331·5	...	19
13	1	Salines(Roche Bois)§	10	...	...	...	...
	2	The Albion Dock ...	18	8·10	205·7	149·7	10
	3	Line Barracks§ ...	10	...	...	...	...

* Normals not available § Record not received 4 a Bon Acceuil ‡ Casela † A station at Mare aux Vacoas Reservoir.

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 1916.	Port Louis (N. to W.N.W.)	Tron aux Biches (N. to S.W.)	Grand Gaube (N. to S.E.)	Pondre d'Or (N.N.E. to E.S.E.)	Old Grand Port (E. to S.E.)	Souillac (South)	Baie du Cap (S.S.W.)	Cause Noyale (W. to S.W.)
Jan. 1	...	...	mod.	calm	heavy	mod.	calm	calm
2	...	...	,,	,,	,,	,,	,,	,,
3	...	...	,,	light	,,	,,	,,	,,
4	...	mod.	,,	calm	calm	,,	,,	,,
5	light N.W.	light	calm	,,	,,	,,	,,	,,
6	,,	mod.	,,	,,	,,	,,	,,	,,
7	light N.	,,	,,	,,	,,	calm	,,	,,
8	calm	calm	,,	,,	,,	,,	,,	,,
9	,,	,,	,,	,,	,,	,,	,,	,,
10	heavy N.W.	,,	mod.	mod.	light	,,	,,	,,
11	light N.W.	heavy	,,	calm	,,	,,	,,	,,
12	calm	mod.	calm	,,	heavy	,,	,,	,,
13	,,	calm	light	,,	light	light	,,	,,
14	,,	,,	,,	,,	mod.	,,	,,	,,
15	,,	,,	calm	,,	calm	calm	,,	,,
16	light N.	,,	,,	,,	,,	,,	,,	,,
17	,,	,,	,,	,,	,,	,,	,,	,,
18	light N. E.	,,	,,	,,	,,	,,	,,	,,
19	moderate N.W.	,,	,,	,,	,,	,,	,,	,,
20	moderate W.N.W.	mod.	,,	,,	,,	,,	,,	,,
21	heavy W.	heavy	,,	,,	,,	,,	,,	,,
22	heavy N.N.W.	,,	,,	,,	,,	,,	,,	,,
23	,,	,,	,,	,,	,,	,,	,,	,,
24	,,	mod.	,,	,,	,,	,,	,,	,,
25	calm	heavy	,,	,,	,,	,,	,,	,,
26	,,	mod.	...	,,	,,	,,	,,	,,
27	,,	light	calm	,,	,,	,,	,,	,,
28	,,	calm	,,	,,	,,	,,	,,	,,
29	,,	,,	,,	,,	,,	,,	,,	,,
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.

(*Altitude 140 feet above sea level.*)

Day 1916.	Barometric Pressure at 9 a.m. (corrected for Temperature and reduced to L 45°.)	Wind. Direction at 9 a.m.	Wind. Velocity.	Amount of Rain measured at 9. a.m.	Weather.
	mbs.		met p. sec	mm.	
Jan. 1	1009·2	E.b.S.	5·9	0·3	overcast and rainy.
2	1006·4	E.b.S.	7·2	4·3	gen : overc : with freq : r.
3	1002·5	E.b.N.	11·5	11·4	,,
4	1006·1	N.E.	8·5	7·6	cloudy.
5	1007·5	W.N.W.	1·6	0·3	fine : clear.
6	1007·8	N.N.E	1·2	...	fine.
7	1007·0	S.E.	1·6	7·1	cloudy.
8	1003·3	E.b.S.	1·7	12·4	var : & showery.
9	1006·7	E.S.E.	2·5	10·2	showery.
10	1007·9	E.b.N.	2·2	...	cloudy.
11	1006·4	N.E.	5·8	...	,,
12	1002·6	N.N.E.	5·8	0·3	partially cloudy but fine.
13	1003·0	E.b.S.	4·3	0·5	overcast with occ : rain.
14	1004·8	E.b.S.	5·1	55·1	gen : overc : with freq : r.
15	1004·1	E.b.S.	5·2	10·7	showery.
16	1006·7	E.b.S.	4·6	11·4	fine.
17	1005·8	E.b.S.	4·3	6·3	partially cl: but fine.
18	1005·8	E.b.S.	3·3	...	,,
19	1006·2	E.S.E.	3·3	12·4	var : & showery.
20	1005·0	E.b.S.	2·1	6·3	,,
21	1004·8	E.b.S.	2·6	16·8	,,
22	1005·1	E.N.E.	3·1	...	fine.
23	1005·8	E.b.S.	1·5	...	,,
24	1007·9	E.b.S.	1·3	...	,,
25	1009·1	S.E.b.E.	1·7	3·0	var : & showery.
26	1009·2	S.E.	1·7	...	fine.
27	1007·4	S E.b.E.	2·6	...	,,
28	1007·3	E.S.E.	3·1	7·1	var : & showery.
29	1006·0	E.b.S.	4·3	8·9	c. with occ : rain.
30	...	...	...	...	...
31	1005·9	E.S.E.	4·1	0·8	fine
Mean	1006·1	...	3·8	193·2	.....

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RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

FEBRUARY, 1916.

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

DIRECTOR.

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of FEBRUARY 1916.

Month and Day. 1916.	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. Date, 1916.	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	9.45·2	·23230	·30757	6·0	34	25	Feb. 1	1432	...	...	...	...	...	12.26·5	...	0·40	Second Max. 3.50·2
2	45·4	224	753	8·2	30	29	7	1433	2.56·1	3.10·3	4.28·7	0·29	2.12·9	3· 7·1	4.13·5	0·22	
3	45·3	227	750	9·4	30	33	14	1434	...	...	...	...	14.21·2	14.40·8	14.56·0	...	
4	45·4	226	750	10·0	42	35	14	1435	22. 2·9	22. 6·3	22.14·5	...	22. 3·5	...	22.13·9	...	
5	46·0	228	750	12·4	59	34	15	1436	...	...	...	...	16.43·4	16.53·9	17. 2·7	...	
6	45·2	216	754	7·2	23	16	28	1437	0.52·0	1.38·8	2.42·3	0·14	0.34·7	1.37·7	2.29·6	0·70	
7	45·9	226	749	11·6	20	29											
8	45·3	229	749	8·0	73	31											
9	45·7	219	754	6·2	36	11											
10	45·9	228	751	7·6	33	13											
11	45·7	223	748	5·2	22	14											
12	45·7	225	...	9·4	40	...											
13	45·4	222	...	7·4	24	...											
14	45·5	219	...	9·0	23	...											
15	44·6	221	744	7·6	29	23											
16	45·5	222	744	7·2	16	19											
17	45·9	226	743	7·6	37	21											
18	45·9	211	743	9·0	42	29											
19	46·1	209	744	6·2	29	25											
20	46·1	216	743	8·8	29	20											
21	45·6	218	741	11·2	29	23											
22	46·1	220	743	10·2	64	22											
23	45·9	218	742	9·0	30	19											
24	46·4	212	742	7·2	26	21											
25	46·1	218	744	6·4	24	13											
26	46·4	220	739	8·8	38	31											
27	46·2	223	740	9·6	57	20											
28	46·0	212	741	7·8	27	20											
29	45·6	219	735	9·2	20	28											
Mean	9.45·72	·23221	·30746	8·39	34·0	23·2	...	...	...	...	...	...	...	...	...	...	...

* Large Waves.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of FEBRUARY 1916.

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	° ′
Feb. 2. 7.37	9.50·9	Feb. 2. 9.02	·23216	Jan. 3. 9. 0	52.55·8
13.42	9.42·4	13.02	·23245	5.10.50	54·3
8. 8.46	9.49·5	8. 9.32	·23266	9.10.37	55·7
13.58	9.41·0	13.17	·23221	12.10.35	53·5
15. 7.45	9.49·7	15. 8.51	·23208	16.10.41	55·8
13.38	9.42·1	12.52	·23255	19.10.27	56·0
22. 8.42	9.52·2	22· 9.30	·23226	23.10.28	54·9
13.47	9.41·6	12.50	·23237		

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

FEBRUARY 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	45·3	46·0	45·4	45·2	45·6	46·0	45·4	45·2	46·4	46·2	46·0	45·5	45·9	46·1	45·3	45·0	Midnight
1h	44·9	46·2	45·6	45·8	45·6	45·8	45·4	45·2	46·2	46·2	46·2	45·9	46·1	46·1	45·7	45·6	1h
2	44·3	46·2	46·0	46·2	46·2	45·2	45·4	45·2	46·2	46·2	46·2	45·9	46·1	46·1	46·1	45·8	2
3	45·5	46·4	46·2	46·4	46·2	44·4	45·8	46·0	46·2	46·2	46·2	46·1	46·5	45·7	46·1	46·0	3
4	45·9	46·4	46·2	46·4	46·6	45·4	46·2	46·2	46·2	46·2	46·2	46·1	46·3	46·1	46·1	46·0	4
5	45·9	46·4	46·4	47·4	47·8	46·2	46·2	46·4	46·4	46·4	46·4	46·3	46·7	47·1	46·1	46·2	5
6	46·1	46·6	47·6	48·0	48·2	46·6	46·4	46·6	46·4	47·2	47·4	46·9	48·1	47·7	46·1	46·2	6
7	47·7	49·2	50·2	49·4	50·6	48·4	49·6	48·0	47·8	48·2	49·0	49·9	49·5	49·5	47·5	48·4	7
8	48·7	50·2	50·2	50·2	52·2	48·6	51·8	48·2	48·2	48·8	48·8	51·7	48·1	50·7	48·1	49·6	8
9	48·1	48·4	48·2	49·8	52·2	48·4	52·2	48·2	48·4	49·8	48·4	50·3	46·7	48·9	47·1	48·2	9
10	46·5	47·8	46·0	48·4	50·4	47·2	51·8	48·2	48·2	48·6	46·4	48·9	44·9	48·1	45·7	46·8	10
11	44·7	45·0	42·4	45·8	46·6	45·0	48·8	46·6	46·2	46·8	46·2	46·5	43·1	45·1	42·9	45·6	11
Noon	44·1	43·2	41·8	43·4	43·8	43·8	46·2	46·0	44·4	46·0	45·4	45·3	42·1	42·3	42·1	44·6	Noon
13h	43·7	42·2	40·8	40·6	40·4	42·4	44·2	43·8	43·0	44·2	44·2	42·7	42·3	41·7	41·3	43·4	13h
14	42·7	42·2	41·0	40·6	39·8	42·0	42·2	42·0	42·8	42·8	44·2	42·3	42·1	42·1	40·5	42·4	14
15	43·1	42·0	42·8	40·2	40·6	41·4	40·6	40·2	42·2	42·2	43·8	42·5	43·5	43·3	41·9	43·8	15
16	43·7	42·2	44·0	41·6	42·2	42·2	40·6	41·0	42·4	42·4	44·0	43·3	44·3	44·1	42·5	44·0	16
17	44·1	43·0	44·4	42·8	44·2	43·8	42·4	42·2	44·2	43·2	44·0	44·1	45·5	44·3	43·9	44·0	17
18	44·3	44·2	45·4	44·2	45·8	44·4	44·4	44·0	44·4	44·4	44·2	44·3	45·3	44·3	44·1	44·0	18
19	44·7	44·6	45·6	45·4	45·8	45·6	45·6	44·6	45·4	45·4	44·4	44·9	45·3	44·3	44·3	44·2	19
20	44·9	44·6	45·2	45·8	46·0	45·8	45·8	44·8	46·0	46·0	44·6	44·7	45·3	44·3	44·3	44·4	20
21	45·1	45·4	45·0	45·0	45·8	45·8	45·4	46·2	46·2	46·0	44·8	44·5	45·5	45·1	44·3	45·8	21
22	45·3	45·4	45·0	46·0	45·8	45·6	45·2	46·2	46·2	45·8	45·0	44·5	45·5	44·5	44·3	45·6	22
23	45·7	45·4	45·0	45·8	46·2	45·4	45·2	46·2	46·2	45·8	45·4	44·3	45·7	44·5	44·9	45·8	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	Mean	Day. / Hour.
	9° +														
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	46·0	46·0	46·5	45·9	46·1	45·6	45·8	45·8	45·8	45·8	46·0	44·8	46·0	45·7	Midnight
1h	46·2	46·2	46·1	45·5	45·9	45·8	45·8	46·2	45·8	45·8	46·0	47·0	46·2	45·9	1h
2	46·2	46·4	46·1	45·9	45·9	45·8	45·8	46·2	45·8	45·8	46·0	46·4	46·2	45·9	2
3	46·6	46·2	46·3	46·1	46·1	46·0	46·0	47·0	45·8	45·8	46·0	46·4	46·2	46·1	3
4	46·8	45·0	46·3	46·3	46·3	46·0	46·4	45·8	46·0	46·0	45·8	46·6	46·4	46·1	4
5	47·2	46·6	45·9	47·1	47·3	46·4	47·4	47·2	46·0	46·2	47·0	46·8	46·6	46·6	5
6	47·2	47·6	46·1	47·7	47·9	47·6	47·8	47·8	46·2	46·4	47·6	47·4	47·2	47·1	6
7	48·6	50·0	47·9	49·9	50·3	49·8	50·6	49·6	48·0	49·8	49·8	49·6	49·4	49·2	7
8	49·8	48·8	49·9	50·9	51·3	51·0	51·4	50·6	50·0	51·8	51·4	50·6	50·6	50·1	8
9	48·4	50·0	48·3	50·5	49·5	52·0	48·2	50·2	50·2	51·4	50·8	49·8	49·8	49·7	9
10	47·0	47·8	47·9	48·3	46·1	46·8	45·6	49·0	48·2	49·2	49·0	47·6	47·6	47·7	10
11	45·8	45·0	46·1	45·7	44·3	45·6	44·0	47·2	46·4	47·0	47·4	45·4	45·0	45·6	11
Noon	43·4	43·6	44·3	43·9	43·1	43·8	44·0	45·8	45·6	45·8	46·2	43·8	43·8	44·2	Noon
13h	42·2	42·0	43·7	42·3	40·5	42·4	43·8	44·2	44·0	43·8	44·2	42·8	42·0	42·7	13h
14	42·2	41·0	43·9	42·1	40·1	41·8	43·2	44·0	43·8	43·8	41·8	43·4	41·8	42·2	14
15	43·6	42·2	43·7	42·7	40·9	43·6	42·4	43·4	43·8	43·0	42·6	43·8	41·4	42·5	15
16	44·2	44·0	44·3	43·9	42·7	44·4	43·0	43·8	43·8	43·8	43·4	43·8	41·8	43·2	16
17	45·8	45·8	45·9	45·3	45·1	46·0	44·4	45·2	45·4	44·8	44·4	44·2	43·8	44·4	17
18	45·4	46·0	46·3	45·9	45·9	46·4	45·8	45·8	45·8	45·4	45·4	44·6	44·2	45·0	18
19	45·6	46·2	46·1	45·9	46·1	46·2	46·0	46·0	45·8	45·6	45·4	45·8	45·4	45·4	19
20	46·0	46·2	46·3	45·9	45·9	45·8	46·0	45·8	45·8	45·8	45·8	46·0	45·6	45·5	20
21	46·0	46·2	46·1	46·1	45·9	45·8	45·8	45·8	45·8	47·4	45·6	45·8	45·8	45·7	21
22	46·2	46·0	45·9	45·9	45·7	45·8	45·8	45·8	45·8	46·2	45·6	45·8	45·8	45·6	22
23	46·0	46·2	45·9	45·9	45·5	45·8	45·8	45·8	45·8	46·0	46·4	46·0	45·8	45·7	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

FEBRUARY 1916.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	220	228	221	225	203	203	221	229	193	215	222	213	220	221	218	216	Midnight
1h	223	225	222	225	212	203	221	230	203	222	225	207	223	214	218	222	1h
2	227	224	224	226	217	211	222	233	203	222	228	213	218	215	213	222	2
3	221	226	223	224	222	221	221	244	212	222	227	215	213	231	215	220	3
4	220	227	225	224	224	219	221	250	212	222	223	217	213	223	214	215	4
5	220	228	220	225	232	218	222	248	214	226	228	220	213	222	219	218	5
6	220	226	220	225	239	220	222	250	218	227	227	222	213	221	220	216	6
7	220	220	217	228	238	223	225	245	222	231	223	226	215	213	221	221	7
8	222	212	219	227	231	224	226	252	222	231	226	232	224	213	213	222	8
9	238	220	228	228	231	226	229	257	222	231	225	241	232	213	213	222	9
10	248	226	234	229	249	226	231	251	220	232	229	241	234	215	229	222	10
11	254	236	241	238	255	221	240	241	224	241	231	242	237	222	233	226	11
Noon	254	238	246	239	256	216	241	231	221	246	232	242	232	222	242	227	Noon
13h	248	240	247	240	253	212	230	231	224	248	231	247	234	226	241	230	13h
14	244	240	239	234	245	211	227	235	225	243	227	241	236	228	234	231	14
15	237	230	230	230	230	211	222	241	226	235	213	232	231	229	223	222	15
16	228	224	230	237	236	212	223	230	228	224	212	222	227	222	222	222	16
17	221	219	229	239	231	213	227	205	229	225	210	214	222	214	215	221	17
18	220	212	226	239	230	212	226	203	223	223	212	213	217	212	215	222	18
19	222	210	221	230	229	211	225	211	223	221	213	213	213	208	219	222	19
20	223	214	221	216	211	212	222	212	222	222	218	218	213	213	222	222	20
21	224	220	221	205	210	211	221	204	221	221	222	212	213	221	218	222	21
22	226	220	222	203	204	212	221	203	220	222	222	221	213	214	215	222	22
23	228	221	223	198	197	219	223	184	212	222	220	222	215	220	216	223	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).														
Midnight	224	212	213	209	222	213	211	212	211	213	213	216	213	215·5	Midnight
1h	225	220	209	212	215	215	212	203	208	213	214	196	213	215·5	1h
2	225	222	207	214	215	218	212	203	209	222	214	203	216	217·2	2
3	223	222	208	213	212	223	212	201	212	218	222	206	215	218·8	3
4	223	232	210	213	213	223	212	212	212	218	231	210	214	219·7	4
5	227	227	213	215	214	232	213	212	212	219	223	212	215	220·9	5
6	228	213	220	217	213	229	212	209	212	220	223	212	214	220·9	6
7	230	211	213	218	212	232	213	212	212	218	228	211	213	221·1	7
8	231	212	213	212	211	232	213	218	212	213	228	211	213	221·2	8
9	231	213	214	214	214	231	227	222	230	216	232	222	223	225·7	9
10	231	219	219	222	231	238	231	222	232	228	239	223	230	230·4	10
11	242	222	219	230	232	243	231	220	231	230	241	214	224	233·1	11
Noon	242	223	215	232	230	251	231	218	231	223	239	213	230	233·2	Noon
13h	244	212	221	229	230	249	232	223	232	229	232	218	232	233·3	13h
14	236	212	219	226	231	231	232	227	231	231	233	220	232	231·1	14
15	229	208	214	222	231	219	226	223	231	238	231	219	232	226·4	15
16	225	206	203	212	232	207	223	214	223	241	233	216	231	222·9	16
17	223	203	193	210	223	194	221	206	217	232	231	212	219	217·9	17
18	231	190	192	213	212	187	212	204	214	222	222	210	212	214·7	18
19	223	197	193	212	204	194	202	204	213	212	225	205	213	213·4	19
20	213	193	202	209	203	200	209	205	212	205	226	209	213	213·1	20
21	213	204	194	213	209	204	211	204	213	213	199	213	213	212·7	21
22	212	197	201	204	213	203	213	204	212	203	194	212	212	211·7	22
23	207	201	211	203	212	207	212	206	213	213	184	213	213	211·7	23

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

FEBRUARY 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	759	758	756	754	756	757	755	753	759	757	754	753	...	...	748	747	Midnight
1h	759	758	755	754	756	756	755	753	759	755	754	753	...	...	748	747	1h
2	759	758	755	754	756	755	755	753	756	755	754	753	...	...	749	747	2
3	759	758	756	754	755	752	754	752	758	754	754	753	...	...	749	747	3
4	761	758	756	755	756	753	754	751	755	754	754	753	...	...	749	748	4
5	762	758	757	755	756	755	754	751	754	754	753	753	...	...	749	748	5
6	763	761	759	756	757	756	755	752	754	754	753	754	...	...	750	749	6
7	768	767	765	761	762	761	760	755	755	755	754	757	...	...	753	752	7
8	767	765	760	765	763	762	762	756	756	756	749	751	...	...	751	752	8
9	759	758	751	765	761	761	761	756	758	755	746	746	...	...	749	748	9
10	754	756	738	762	750	759	757	756	754	750	745	737	...	...	739	745	10
11	748	747	738	753	742	756	751	755	751	745	745	...*	...	...	733	743	11
Noon	743	739	732	742	733	752	741	751	751	744	742	...	...	729	730	735	Noon
13h	744	738	735	731	729	751	736	741	750	745	743	...	...	725	730	734	13h
14	745	739	738	730	731	747	736	731	750	744	745	...	...	727	731	733	14
15	749	741	742	730	737	746	733	727	750	744	747	...	...	729	734	735	15
16	754	743	742	732	741	747	735	729	747	746	745	...	...	733	739	738	16
17	758	748	747	735	742	748	738	735	750	749	740	...	...	739	743	739	17
18	759	753	751	741	747	751	742	745	753	750	740	...	...	740	744	742	18
19	758	755	751	745	747	752	746	746	753	751	744	...	...	744	744	743	19
20	758	756	752	749	751	753	749	750	753	751	746	...	...	745	746	745	20
21	758	757	753	752	755	756	750	752	754	752	749	...	...	745	746	745	21
22	759	757	754	756	756	756	751	755	755	753	750	...	...	748	747	746	22
23	759	757	755	756	757	757	754	758	757	754	752	...	...	748	748	747	23

* Loss of Register.

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).														
Midnight	745	747	748	747	748	747	747	747	746	745	742	743	742	750·3	Midnight
1h	745	747	747	747	745	746	747	748	747	745	742	746	743	750·3	1h
2	746	747	747	744	745	745	746	747	746	747	743	747	743	750·0	2
3	746	746	747	744	744	744	745	747	745	744	743	746	743	749·5	3
4	747	745	747	745	744	743	745	744	744	744	743	746	743	749·4	4
5	747	748	747	746	745	743	745	744	743	743	743	745	743	749·5	5
6	748	748	748	747	748	745	746	747	743	744	743	745	744	750·6	6
7	750	753	752	752	752	749	749	748	747	749	745	748	747	754·2	7
8	750	752	753	752	750	752	745	750	751	752	744	746	747	754·2	8
9	748	748	752	746	741	748	733	748	746	746	741	738	733	749·8	9
10	741	738	748	739	733	737	730	746	743	734	739	733	724	744·2	10
11	738	730	744	738	733	735	737	742	742	729	737	731	722	741·0	11
Noon	731	726	738	734	733	733	738	737	739	728	733	728	721	736·7	Noon
13h	729	724	731	732	729	730	739	729	738	727	728	731	721	734·4	13h
14	730	728	728	733	730	734	733	728	738	725	728	734	721	734·2	14
15	736	737	729	738	730	738	733	729	740	721	732	737	719	735·9	15
16	740	739	731	738	734	741	738	735	743	721	734	739	725	738·5	16
17	742	744	738	738	738	745	741	741	744	726	738	741	732	741·5	17
18	741	747	743	738	743	747	743	743	743	733	739	743	738	744·6	18
19	742	748	744	742	743	746	744	743	743	734	740	743	739	745·6	19
20	744	748	745	744	744	746	744	743	743	738	739	743	739	746·9	20
21	747	748	748	747	745	747	744	743	743	743	741	742	740	748·3	21
22	748	748	748	748	746	747	746	745	744	742	744	743	740	749·4	22
23	748	749	748	748	747	748	746	747	745	743	748	743	741	750·5	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1916.

Month and Day. 1916.	Atmospheric Pressure.		Temperature of the Air. (in degrees Centigrade.)					Temperature of Evaporation.	Temperature of the Dew Point. (Centigrade).		Degree of Humidity (Saturation=100).		Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	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.		
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
Feb. 1	1002·3	− 2·3	29·0	23·6	5·4	25·7	−0·3	22·8	20·8	− 0·9	75	− 3	24·3	19·1	...	...	6·6	4·0
2	999·6	− 5·0	29·1	20·5	8·6	24·6	−1·4	22·5	21·0	− 0·7	81	+ 3	24·6	18·0	4·1	20	5·6	5·4
3	999·4	− 5·2	29·3	20·4	8·9	24·0	−1·9	22·5	21·4	− 0·3	85	+ 7	25·2	17·8	2·3	35	4·1	5·2
4	1000·8	− 3·8	29·9	20·1	9·8	25·4	−0·5	22·9	21·1	− 0·6	77	− 1	24·8	17·6	...	...	6·3	2·8
5	1001·3	− 3·2	29·9	21·6	8·3	25·7	−0·2	22·4	20·1	− 1·6	71	− 8	23·3	18·8	...	...	6·9	3·6
6	1001·0	− 3·5	29·2	20·9	8·3	25·2	−0·7	22·5	20·6	− 1·2	76	− 3	24·0	18·4	...	...	7·1	2·5
7	1000·8	− 3·7	28·9	21·2	7·7	24·5	−1·4	22·3	20·7	− 1·1	80	+ 1	24·2	17·1	1·2	15	4·5	4·3
8	1000·2	− 4·3	29·0	19·0	10·0	24·5	−1·4	21·4	19·2	− 2·6	72	− 7	22·0	15·4	...	...	6·6	2·4
9	1000·4	− 4·1	30·0	20·6	9·4	25·4	−0·5	22·6	20·6	− 1·2	75	− 4	24·0	17·3	...	...	5·8	5·3
10	1000·9	− 3·5	29·5	22·0	7·5	25·8	−0·1	23·0	21·1	− 0·7	73	− 6	24·8	19·0	...	...	5·6	5·5
11	1000·5	− 3·9	29·8	24·5	5·3	26·8	+0·9	24·7	23·3	+ 1·5	85	+ 6	28·3	23·8	8·0	445	6·7	5·7
12	1002·5	− 1·9	30·6	24·6	6·0	27·4	+1·5	25·4	24·0	+ 2·1	81	+ 2	29·5	22·5	1·3	10	6·2	5·6
13	1005·2	+ 0·8	30·7	25·0	5·7	27·6	+1·8	25·7	24·4	+ 2·5	83	+ 4	30·3	23·6	0·3	5	5·0	4·8
14	1005·5	+ 1·0	29·9	24·0	5·9	26·8	+1·0	24·7	23·3	+ 1·4	77	− 2	28·3	22·3	0·4	5	4·9	5·1
15	1004·8	+ 0·3	29·4	23·0	6·4	25·7	−0·1	23·2	21·5	− 0·4	75	− 4	25·4	19·0	0·9	15	5·9	3·9
16	1004·2	− 0·3	30·2	21·2	9·0	26·0	+0·2	22·7	20·4	− 1·5	71	− 8	23·7	18·0	...	...	6·1	4·0
17	1004·5	0·0	30·0	22·8	7·2	26·3	+0·5	22·6	20·1	− 1·8	68	−12	23·3	20·9	0·1	5	7·7	5·2
18	1004·0	− 0·5	30·2	23·2	7·0	26·5	+0·7	23·2	20·9	− 1·0	71	− 9	24·5	22·8	11·2	55	5·1	5·0
19	1003·1	− 1·4	29·1	24·0	5·1	26·3	+0·5	23·9	22·2	+ 0·3	78	− 2	26·5	21·3	11·7	65	7·5	8·3
20	1004·1	− 0·4	28·1	23·4	4·7	25·4	−0·3	23·0	21·3	− 0·6	78	− 2	25·1	22·2	2·1	35	5·5	7·4
21	1004·7	+ 0·2	29·0	23·0	6·0	25·6	−0·1	23·0	21·2	− 0·7	77	− 3	24·9	21·2	1·2	25	5·5	6·5
22	1004·7	+ 0·1	29·2	23·6	5·6	25·6	−0·1	23·3	21·7	− 0·2	79	− 1	25·7	21·9	4·6	20	5·9	6·3
23	1005·4	+ 0·8	28·4	23·0	5·4	25·4	−0·3	23·1	21·5	− 0·4	79	− 1	25·4	21·5	2·9	25	6·5	6·3
24	1005·9	+ 1·2	28·0	22·8	5·2	25·2	−0·5	22·5	20·6	− 1·3	75	− 5	24·0	20·8	3·9	35	7·0	6·4
25	1005·3	+ 0·6	28·0	23·2	4·8	25·2	−0·5	23·0	21·5	− 0·4	80	0	25·4	21·1	5·8	70	3·5	5·8
26	1004·2	− 0·5	27·8	22·1	5·7	24·8	−0·8	22·9	21·6	− 0·3	82	+ 2	25·5	21·7	43·7	155	10·2	8·5
27	1003·0	− 1·8	28·3	22·5	5·8	25·1	−0·5	22·3	20·3	− 1·6	76	− 4	23·6	21·2	...	...	7·4	2·4
28	1002·6	− 2·2	29·4	20·0	9·4	24·5	−1·1	21·9	20·0	− 1·9	76	− 4	23·2	17·2	...	...	4·3	4·6
29	1004·1	− 0·7	29·6	20·7	8·9	24·8	−0·8	22·5	20·9	− 1·0	79	− 1	24·5	18·2	...	...	4·6	4·5
Mean	1002·9	− 1·6	29·3	22·3	7·0	25·6	−0·2	23·0	21·3	− 0·5	77·1	−2·2	25·1	20·0	Sum 105·7	Sum 640	6·0	5·1
Average	1004·5	...	29·7	22·8	6·9	25·8	...	23·5	21·8	...	79·3	...	25·9	20·5	213·3	2124	5·3	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 February.

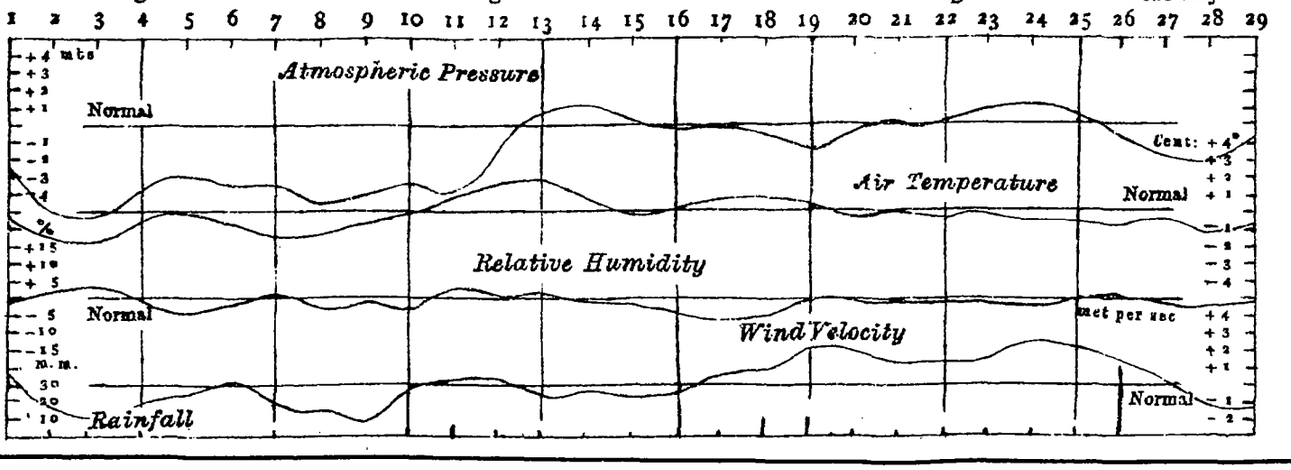


TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1916.

Month and Day. 1916.	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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
Feb. 1	11·4	88	− 0·7	+ 4·0	80	4·1	− 5	+ 1·7	4·2	+ 0·7	25·5	26·9	29·23	29·41	30·03	f. : c.q.p. : f.
2	7·1	55	− 1·0	+ 1·8	61	2·1	− 24	− 0·3	2·4	− 1·1	25·5	26·9	29·13	28·96	28·86	f. : b. : f. : c. :o.p.: c.
3	7·0	55	− 0·2	+ 0·7	74	0·7	− 11	− 1·6	1·7	− 1·8	25·5	26·9	28·64	28·41	27·92	f. : b. : f. :c.p.: c.g. : f.
4	10·9	85	0·0	+ 0·8	90	0·8	+ 6	− 1·5	2·4	− 1·1	25·5	26·9	28·37	28·36	28·65	f. : b. : f. : b.
5	11·6	90	− 2·2	+ 1·5	34	2·6	− 50	+ 0·3	2·7	− 0·7	25·5	26·9	29·01	29·10	29·68	b. : c. : b. : f. : c. : f. : b.
6	10·8	84	− 2·0	+ 3·1	57	3·7	− 27	+ 1·4	3·8	+ 0·4	25·6	26·9	29·39	29·54	30·26	b. : f. :f.q.: f. : b.
7	6·5	50	− 0·7	+ 1·3	62	1·5	− 22	− 0·8	2·2	− 1·2	25·5	26·9	29·42	29·31	28·91	b. : c.p: c. :cqp: c. : b.
8	11·1	87	− 0·5	− 0·3	330	0·6	+ 247	− 1·7	1·9	− 1·5	25·5	26·9	28·75	28·71	28·79	b. : f. : b.
9	6·3	49	+ 0·2	+ 1·8	96	1·8	+ 13	− 0·5	2·1	− 1·3	25·5	27·0	29·20	29·05	28·77	b. : c.
10	6·9	54	− 0·5	+ 3·0	80	3·1	− 3	+ 0·8	3·2	− 0·2	25·5	26·9	29·21	29·29	29·50	f. : b. : f. : c. : f. : c. : f.
11	11·0	86	+ 0·4	+ 3·3	97	3·3	+ 14	+ 1·0	3·6	+ 0·2	25·5	26·9	29·75	29·98	30·80	c. :c.p.: c. : f. : b. : f.
12	9·4	73	+ 2·4	+ 2·6	133	3·5	+ 50	+ 1·2	3·7	+ 0·3	25·6	27·0	29·79	29·73	29·88	f. : b. : f. : c.q: c.
13	10·9	85	+ 1·4	+ 2·4	120	2·7	+ 38	+ 0·5	2·7	− 0·7	25·5	27·0	29·72	29·86	30·35	f. : c. : f.
14	8·9	70	+ 0·4	+ 2·8	98	2·8	+ 16	+ 0·6	2·9	− 0·5	25·6	27·1	29·83	29·94	30·26	f.l. : f. : c. : f.
15	8·2	65	− 0·6	+ 2·3	75	2·4	− 7	+ 0·2	2·7	− 0·7	25·5	27·0	29·80	29·84	29·93	f. : c. : b.
16	9·6	76	− 0·4	+ 2·6	81	2·6	− 1	+ 0·4	2·9	− 0·5	25·6	27·1	29·56	29·57	29·80	f.
17	11·6	91	− 1·2	+ 3·7	72	3·9	− 9	+ 1·7	4·0	+ 0·6	25·6	27·1	29·81	30·01	30·83	c. : f. : b. : f.
18	9·3	73	− 1·7	+ 3·9	66	4·2	− 15	+ 2·0	4·3	+ 0·9	25·6	27·1	30·01	30·11	30·65	f. : f.q. : c. : f.:cgqr
19	10·0	79	− 1·0	+ 5·4	80	5·5	− 1	+ 3·3	5·5	+ 2·1	25·6	27·1	29·92	29·92	29·98	c. : c.q. : c. :c.p.
20	9·9	79	− 1·1	+ 5·2	78	5·3	− 3	+ 3·1	5·4	+ 2·0	25·6	27·1	29·00	28·90	28·57	c.g.qp. : c.q. : f.
21	10·6	84	− 0·6	+ 4·2	82	4·2	+ 2	+ 2·0	4·4	+ 1·0	25·6	27·3	28·70	28·49	28·57	f. :eqp: c. : f. : c.p.q.
22	8·2	65	− 0·7	+ 4·2	81	4·2	+ 1	+ 2·0	4·4	+ 1·0	25·6	27·2	28·83	28·76	28·71	c.p.q. : f. : c.q. : c.p. f.
23	9·1	72	− 1·2	+ 4·6	75	4·8	− 5	+ 2·6	4·9	+ 1·5	25·5	27·1	28·67	28·48	28·57	f. : c.p: f. : f.q: :cqp: c. : f.
24	11·1	88	− 2·2	+ 5·4	68	5·8	− 12	+ 3·6	5·9	+ 2·5	25·6	27·3	28·51	28·27	28·31	c. : f. : f.q: c.q.p: c.p.
25	9·0	72	− 1·0	+ 5·1	79	5·2	0	+ 3·0	5·4	+ 2·0	25·6	27·2	28·37	28·22	28·09	c.p.: f. :c.q. : c.p: : c.
26	6·4	51	− 1·3	+ 4·4	74	4·6	− 5	+ 2·4	4·7	+ 1·3	25·6	27·3	27·64	27·34	27·19	c. : o.g.r.: o. :c.q.: f. : c.
27	11·4	91	− 1·7	+ 3·0	60	3·5	− 19	+ 1·3	3·5	+ 0·1	25·6	27·2	28·08	27·95	27·73	f. : b.
28	6·7	54	− 1·1	+ 1·6	56	2·0	− 23	− 0·2	2·3	− 1·1	25·6	27·3	28·26	28·22	28·15	f. : b. : f. : c.
29	7·3	58	− 0·2	+ 2·2	85	2·2	+ 6	0·0	2·3	− 1·1	25·7	27·3	28·14	28·04	27·78	f. : c. : b.
Mean	9·25	72·7	− 0·66	+ 2·99	67·5	3·06	− 14·6	+ 0·80	3·52	+ 1·0	25·56	27·06	29·06	29·03	29·16	...
Average	7·41	58·3	− 0·31	+ 2·24	82·1	2·26	...	...	3·42	...	25·09	26·92	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Pressure was again in defect during the month. It was below normal on 21 days with a mean departure of 1·6 millibars.

Air Temperature was slightly below normal in the mean with low temperatures at the beginning and end of the month and comparatively high temperatures from the 11th to the 19th.

The soil temperatures to a depth of 9 inches remained low until the 8th and then rose steadily until the 18th falling again more than 2° Cent. by the end of the month. Relative humidity was below normal on 22 days and in defect in the mean by 2·2%.

The highest dew point temperature was 25°·6 at 9h. on the 13th; and the lowest 16°·5 at 6h. on the 8th.

The highest relative humidity was 98 % at 6h. on the 14th; and the lowest 55 % at 11h. on the 5th.

Cyclonic activity was much less intense during the month of February than during the previous month. With the exception of a depression in the Mozambique Channel reported by the Madagascar Observatory on the 3rd of March, the zone of cyclonic disturbances was situated well to the Eastward of Rodrigues. The approximate tracks of two depressions have been determined in this region, one from the 3rd to the 8th and the other from the 26th to the 29th. They will be published in the next bulletin.

In consequence of the absence of cyclonic storms to North and West, rainfall was in defect all over the island. The shortage was especially marked in the Northern and Eastern districts. Temperature and relative humidity also were decidedly unfavourable to the growing crops. At the Observatory rainfall was 49 % below normal. The percentage variation from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	58 % below
Eastern Districts	,, ,, 2, 3, 4.	56 % below
South-Eastern Districts	,, ,, 5 & 6	51 % below
Western Districts	River System 11	44 % below
	,, ,, 12	50 % below
	,, ,, 13	68 % below

(March 21, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is 181 feet above mean sea-level.)

FEBRUARY 1916.

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour.
Midnight	0048	0023	0000	0010	0020	0022	0019	0010	0006	0020	0015	0015	0050	0065	0063	0043	Midnight
1h	0039	0015	9997	0006	0018	0021	0015	0004	0000	0017	0010	0014	0047	0062	0061	0043	1h
2	0035	0011	9993	0004	0014	0014	0009	0000	9994	0010	9996	0013	0042	0057	0057	0038	2
3	0029	0005	9990	0003	0013	0010	0007	9994	9991	0004	9999	0012	0042	0055	0053	0034	3
4	0026	0004	9990	0001	0014	0009	0006	9994	9990	0003	9999	0014	0042	0054	0051	0033	4
5	0026	0004	9991	0002	0014	0011	0009	9994	9994	0005	0000	0013	0045	0054	0048	0040	5
6	0030	0003	9992	0004	0015	0012	0010	9996	9997	0008	0004	0017	0051	0055	0047	0041	8
7	0032	0002	9993	0005	0019	0013	0009	0002	0005	0013	0007	0021	0052	0057	0049	0043	7
8	0033	0002	9993	0006	0020	0016	0011	0006	0008	0017	0012	0027	0054	0056	0052	0050	8
9	0033	0003	9992	0013	0022	0019	0013	0009	0010	0017	0013	0030	0055	0061	0056	0055	9
10	0033	0002	9992	0013	0022	0020	0015	0008	0010	0015	0013	0031	0054	0060	0053	0053	10
11	0032	9998	9989	0014	0017	0013	0008	0009	0009	0011	0012	0030	0054	0056	0051	0050	11
Noon	0026	9993	9988	0012	0013	0007	0009	0005	0007	0004	0006	0026	0053	0055	0048	0047	Noon
13h	0023	9990	9988	0003	0009	0004	0009	0003	0003	0001	0003	0021	0052	0053	0043	0040	13h
14	0015	9984	9987	0000	0004	9998	0004	0000	9997	9998	9997	0014	0047	0047	0042	0034	14
15	0010	9979	9986	9999	9999	9997	9999	9997	9996	9995	9992	0013	0044	0040	0036	0029	15
16	0006	9974	9984	9996	0001	9994	9995	9995	9995	9995	9993	0014	0045	0039	0037	0030	16
17	0003	9978	9985	9997	9997	9995	9996	9993	9996	0000	9994	0017	0048	0041	0036	0032	17
18	0009	9982	9991	0003	0001	9998	9997	9993	0002	0005	9998	0023	0052	0044	0038	0034	18
19	0015	9986	9996	0008	0003	0004	0003	9994	0006	0009	0003	0028	0053	0049	0044	0037	19
20	0019	9989	0003	0016	0013	0009	0006	0003	0012	0013	0009	0039	0059	0057	0046	0043	20
21	0020	9993	0010	0020	0020	0014	0012	0008	0020	0015	0016	0046	0064	0063	0050	0046	21
22	0023	9999	0012	0022	0023	0023	0013	0012	0022	0017	0017	0050	0069	0066	0052	0052	22
23	0025	0001	0013	0022	0023	0020	0013	0011	0022	0016	0018	0052	0070	0067	0049	0052	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	Mean.	Day \ Hour.
Midnight	0047	0056	0041	0042	0050	0052	0054	0070	0063	0056	0044	0031	0040	0037	Midnight
1h	0046	0050	0035	0040	0042	0048	0053	0068	0060	0054	0040	0026	0036	0033	1h
2	0041	0045	0030	0038	0038	0041	0049	0061	0056	0047	0033	0020	0028	0028	2
3	0037	0040	0025	0036	0037	0037	0043	0059	0048	0043	0029	0016	0024	0025	3
4	0035	0036	0024	0034	0036	0037	0044	0058	0048	0044	0024	0016	0024	0024	4
5	0039	0036	0022	0033	0039	0041	0046	0061	0049	0042	0025	0019	0026	0025	5
6	0041	0041	0027	0035	0040	0045	0049	0062	0050	0043	0029	0021	0031	0027	6
7	0049	0044	0032	0041	0045	0051	0052	0064	0054	0044	0033	0026	0038	0031	7
8	0054	0049	0035	0045	0052	0057	0057	0070	0057	0049	0036	0031	0044	0034	8
9	0053	0052	0035	0050	0053	0058	0060	0071	0061	0052	0040	0032	0049	0037	9
10	0054	0050	0036	0049	0053	0059	0059	0070	0061	0051	0041	0032	0051	0037	10
11	0052	0045	0037	0047	0053	0053	0057	0062	0060	0051	0035	0029	0045	0034	11
Noon	0048	0041	0034	0045	0050	0049	0055	0060	0056	0047	0032	0025	0041	0030	Noon
13h	0041	0037	0030	0041	0045	0045	0050	0055	0049	0037	0022	0019	0034	0026	13h
14	0036	0030	0021	0032	0042	0040	0045	0047	0043	0031	0018	0015	0032	0021	14
15	0033	0024	0021	0030	0040	0037	0044	0043	0041	0026	0017	0012	0031	0018	15
16	0032	0026	0021	0028	0038	0033	0041	0041	0040	0027	0017	0013	0033	0017	16
17	0034	0026	0020	0032	0039	0033	0043	0041	0041	0027	0017	0018	0034	0018	17
18	0039	0029	0021	0038	0045	0040	0048	0047	0046	0033	0021	0024	0041	0022	18
19	0044	0031	0028	0043	0051	0043	0054	0052	0056	0037	0029	0029	0049	0027	19
20	0051	0040	0036	0050	0057	0051	0061	0056	0059	0041	0032	0033	0055	0033	20
21	0056	0046	0041	0051	0060	0057	0070	0061	0059	0047	0037	0041	0058	0038	21
22	0060	0050	0048	0054	0060	0059	0072	0067	0061	0049	0037	0042	0061	0041	22
23	0059	0046	0048	0053	0057	0058	0072	0068	0061	0048	0035	0041	0058	0041	23

TABLE VIII.—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	Mean.
	FEBRUARY 1916.																													
Midnight	2	3	5	2	1	0	0	1	0	6	10	0	9	3	6	0	3	5	10	5	4	6	5	10	7	6	10	3	2	4·3
1h	2	5	5	6	0	1	0	0	1	0	8	5	4	9	2	0	7	3	10	9	3	5	4	10	7	8	1	0	2	4·0
2	2	3	5	4	1	1	0	2	1	0	8	2	7	4	2	3	9	0	9	8	5	7	4	8	5	9	4	5	2	4·1
3	1	1	0	2	10	0	0	3	0	0	10	0	5	0	1	2	8	2	10	8	5	4	3	3	4	9	0	0	3	3·2
4	2	1	0	2	10	0	0	2	0	0	10	0	5	2	1	3	10	2	10	7	9	6	6	3	3	10	0	0	3	3·7
5	3	1	0	2	7	1	0	2	0	0	9	1	3	4	2	3	9	3	10	6	9	8	9	2	4	10	0	0	4	3·9
6	7	1	1	3	1	2	1	3	1	0	10	2	5	2	3	3	8	1	8	8	8	4	5	3	4	10	8	1	4	4·0
7	6	1	1	3	1	2	1	3	1	5	8	3	5	1	3	3	5	2	8	7	8	5	4	4	3	10	4	2	5	3·9
8	6	2	2	2	1	3	5	2	2	7	7	4	6	2	7	3	6	3	6	7	6	5	4	5	3	10	4	2	4	4·3
9	6	4	3	2	4	6	6	1	6	8	7	8	8	7	7	6	3	5	7	10	7	6	5	7	7	10	5	3	6	5·9
10	6	6	5	3	5	6	8	3	7	8	8	9	7	9	6	6	7	6	8	9	8	7	7	5	6	10	5	4	7	6·6
11	8	5	6	3	5	7	8	3	7	8	5	9	7	8	5	5	7	6	7	10	3	8	5	5	8	10	5	3	7	6·3
Noon	7	7	7	5	7	5	8	3	8	9	5	9	8	9	6	5	5	5	8	10	4	8	6	8	6	9	4	4	7	6·6
13h	8	7	8	5	7	6	8	3	8	6	5	9	7	9	4	5	5	4	7	10	8	8	6	10	7	8	2	6	8	6·7
14	6	8	10	4	7	5	9	4	8	5	6	9	6	8	8	5	6	6	6	9	6	8	8	9	6	8	1	5	8	6·7
15	5	8	10	5	6	2	9	4	10	6	5	7	6	5	7	4	4	3	9	7	5	9	8	8	7	5	2	8	8	6·3
16	4	8	9	4	5	6	8	7	9	6	3	6	5	3	6	6	5	7	8	6	4	6	8	8	7	6	3	9	9	6·2
17	3	9	9	3	5	4	7	6	9	8	3	7	3	2	5	7	3	9	9	7	4	6	8	6	6	6	1	9	8	5·9
18	3	10	9	4	2	3	7	4	9	8	3	8	4	3	2	8	1	9	9	7	6	7	9	7	6	10	0	9	7	6·0
19	2	10	9	1	1	1	6	2	9	9	1	7	2	4	2	5	1	4	8	7	8	6	8	4	8	0	0	9	1	4·7
20	1	9	8	0	0	0	6	1	5	9	1	9	0	7	2	4	1	3	9	7	10	5	6	9	9	10	0	9	1	4·9
21	1	9	6	0	0	0	2	0	9	9	1	6	0	4	2	4	5	10	8	7	9	4	6	8	5	10	0	8	2	4·7
22	4	7	3	2	0	0	1	0	9	8	6	5	2	7	2	2	4	10	8	2	8	8	6	8	4	9	2	7	1	4·7
23	0	4	5	1	0	0	2	0	6	4	3	4	5	9	5	2	2	10	10	4	9	5	8	5	8	9	1	6	0	4·4

TABLE IX.—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	Total.
	FEBRUARY 1916.																													
	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	10	5	0	0	10	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·6
7	45	60	56	60	60	59	58	60	60	50	12	43	47	58	47	50	41	45	13	31	37	37	15	40	22	0	47	40	54	20·8
8	52	60	60	60	60	60	60	60	60	17	60	55	60	60	60	56	60	60	48	50	60	47	60	60	57	0	54	60	60	26·3
9	59	60	60	60	60	58	60	60	60	20	60	59	40	60	60	60	60	60	59	48	45	60	60	60	60	0	60	60	60	26·5
10	60	60	60	60	56	60	58	60	60	35	60	52	60	60	54	60	60	60	60	60	59	60	60	60	57	27	57	60	60	27·6
11	60	60	45	60	58	60	22	60	60	50	60	50	54	60	60	60	60	59	60	60	60	60	60	60	51	45	60	60	60	27·2
Noon	60	60	40	60	56	60	30	60	60	45	60	0	57	24	60	60	60	60	60	35	60	60	60	60	59	28	60	60	45	25·0
13h	55	43	22	45	58	60	47	43	6	26	60	60	55	3	60	47	60	60	60	54	60	60	60	56	53	59	60	50	28	23·5
14	59	0	0	48	55	60	20	37	3	60	60	60	54	0	14	59	60	60	60	53	50	30	47	60	52	60	60	0	5	19·8
15	60	25	0	33	60	60	16	60	0	60	60	60	60	53	45	60	60	60	60	60	57	10	38	59	31	60	60	13	27	21·8
16	60	0	32	60	60	45	15	60	0	43	60	60	60	60	33	60	60	35	48	58	54	55	32	60	50	53	60	1	25	21·7
17	60	0	40	60	60	28	2	56	2	1	60	60	60	50	0	2	60	1	60	45	50	11	45	60	50	45	60	0	12	17·3
18	52	0	5	40	48	37	0	40	0	0	47	6	47	47	10	0	54	0	12	37	45	1	7	32	0	6	45	0	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	0·0

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 268·2 hours; the corresponding period during which the sun was above the horizon was 369·0 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

FEBRUARY 1916.

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

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

(*To obtain temperatures in the Absolute Scale add* 273°)

FEBRUARY 1916.

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	25·1	22·2	24·5	22·3	24·5	23·9	24·1	23·0	24·1	22·1	24·3	22·9	23·7	22·1	24·5	21·8
1h	24·9	21·8	24·2	22·1	24·4	23·5	24·1	22·8	23·7	22·1	24·1	22·5	23·2	22·1	24·0	20·8
2	24·8	21·8	24·1	22·1	24·7	23·5	24·1	22·8	23·7	21·8	24·4	22·1	23·5	22·2	23·1	19·8
3	24·4	22·3	24·0	22·1	25·0	23·8	24·1	22·8	23·3	21·8	24·1	22·7	23·3	22·2	23·2	19·9
4	24·6	22·2	24·1	22·0	24·8	23·3	23·7	22·6	23·3	21·2	24·3	22·4	23·4	21·9	23·1	19·9
5	24·0	22·3	24·1	22·1	24·5	23·4	23·6	22·6	23·2	22·1	23·8	22·9	23·0	22·2	23·1	20·5
6	23·2	22·3	24·2	22·0	24·7	23·3	23·6	22·1	23·2	21·9	23·8	22·5	23·2	22·3	23·2	20·8
7	24·2	22·4	26·2	22·9	25·7	23·9	24·2	22·9	24·1	23·0	24·9	22·9	23·7	22·7	24·2	21·8
8	26·7	22·6	27·8	24·0	27·2	24·3	26·0	24·0	26·2	24·1	25·9	23·6	26·2	23·9	26·1	23·0
9	27·2	22·8	28·6	24·1	27·9	24·6	25·2	23·3	26·6	23·8	27·1	24·3	26·7	24·0	26·5	23·0
10	28·2	23·0	29·2	24·2	28·2	24·1	27·9	24·3	27·7	24·1	27·9	24·2	27·4	24·0	27·9	23·6
11	28·7	23·4	29·9	24·0	29·1	24·1	27·2	24·1	28·1	23·1	28·2	24·3	28·2	24·2	28·0	23·8
Noon	29·1	23·8	29·8	24·1	28·6	24·1	26·1	23·7	28·6	23·9	28·9	24·5	28·1	24·1	27·1	23·9
13h	29·6	24·3	29·7	24·2	28·8	24·1	27·7	23·8	28·6	23·9	28·4	24·6	28·2	24·2	26·1	23·3
14	29·1	23·9	30·0	24·5	29·1	24·3	27·0	23·6	28·3	23·4	27·1	24·0	28·2	24·0	27·7	23·8
15	29·0	23·2	30·1	24·5	28·4	24·0	27·7	23·9	28·1	23·4	25·7	24·6	26·2	24·7	27·1	23·6
16	28·6	22·7	28·6	23·9	27·8	24·2	27·0	22·9	28·1	23·8	27·1	24·4	26·8	24·4	26·6	23·9
17	28·1	22·5	26·2	23·4	27·6	23·9	27·1	22·9	26·9	23·9	26·5	23·6	26·6	23·8	26·5	23·6
18	26·6	22·2	26·1	23·3	26·6	23·9	26·1	22·8	26·1	23·8	26·1	23·5	25·7	23·2	26·1	23·2
19	25·1	21·9	26·0	22·9	26·1	23·6	25·1	22·6	24·8	23·2	25·1	22·9	25·1	22·9	25·2	22·9
20	24·7	21·9	25·3	23·1	25·1	23·9	24·7	22·5	24·2	22·9	24·6	22·9	24·8	22·8	24·4	22·9
21	24·8	22·0	25·2	23·4	24·8	23·8	24·5	22·6	24·4	23·2	24·3	22·9	24·7	22·6	24·2	23·0
22	24·8	22·1	23·2	22·1	24·5	23·5	24·4	22·4	24·3	22·9	24·2	22·8	24·6	22·2	23·5	22·9
23	24·7	22·3	23·8	22·9	24·5	23·9	24·3	22·2	24·4	22·9	23·6	22·2	24·5	21·9	24·0	22·9

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

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

FEBRUARY 1916.

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	892	919	889	916	895	912	897	915	893	905	895	905	892	920	889	911	Midnight
1h	889	928	889	916	893	910	897	914	890	907	896	904	891	920	887	913	1h
2	890	924	889	917	893	910	897	917	891	907	892	908	888	918	885	915	2
3	889	928	891	913	892	910	897	917	881	912	890	907	882	927	885	915	3
4	895	925	890	915	894	914	892	919	887	909	893	905	886	921	885	915	4
5	889	929	897	905	890	914	891	921	889	900	894	904	892	911	886	914	5
6	887	933	890	910	892	919	894	915	886	900	896	907	885	900	886	914	6
7	894	931	889	911	891	912	896	910	881	900	894	908	892	900	889	911	7
8	900	955	882	927	890	908	897	906	879	909	875	925	885	915	892	908	8
9	900	957	893	933	890	900	897	908	870	920	875	937	887	932	891	909	9
10	900	959	888	931	904	884	913	881	873	927	857	943	891	922	911	900	10
11	900	964	883	943	894	885	887	866	859	908	857	943	900	913	908	881	11
Noon	912	958	891	944	906	872	871	856	874	917	872	968	894	871	923	895	Noon
13h	900	956	889	929	913	881	900	942	886	936	863	957	900	857	889	873	13h
14	887	963	880	900	910	876	914	921	864	924	864	954	913	934	890	877	14
15	888	961	893	934	906	929	936	914	854	930	862	957	906	928	911	872	15
16	914	968	907	934	904	920	939	916	851	949	876	957	895	925	907	868	16
17	887	964	881	881	909	921	932	907	849	934	879	951	893	916	911	873	17
18	883	943	879	891	903	916	929	906	868	932	868	948	894	913	904	880	18
19	890	924	893	916	903	917	872	911	885	915	882	927	896	910	900	884	19
20	883	926	890	925	898	912	876	924	888	912	881	929	894	915	888	895	20
21	873	918	892	920	898	912	883	911	894	906	878	932	895	911	888	900	21
22	890	915	891	922	898	912	893	905	894	906	888	930	883	917	892	900	22
23	894	908	895	911	895	911	894	904	894	906	889	929	891	909	891	902	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	885	906	900	913	883	926	910	923	911	917	900	916	896	920	892	919	Midnight
1h	888	918	900	915	889	929	910	923	914	914	900	916	900	923	890	910	1h
2	890	915	900	915	875	937	904	921	907	916	900	918	900	926	888	912	2
3	890	914	893	915	886	934	903	916	908	919	900	925	891	921	887	913	3
4	893	909	893	915	895	924	905	922	907	916	900	926	894	915	892	908	4
5	891	912	892	918	889	928	906	927	909	922	896	919	894	914	888	912	5
6	889	917	893	917	894	927	906	929	908	919	896	918	893	915	890	914	6
7	893	910	892	920	894	929	906	928	908	918	893	916	894	915	890	915	7
8	890	915	891	922	900	944	917	941	910	924	900	931	891	921	887	919	8
9	895	925	887	933	917	942	928	941	932	913	900	934	906	927	908	937	9
10	900	928	892	939	910	948	939	939	929	929	916	939	911	928	915	938	10
11	906	931	910	948	932	932	934	934	927	927	908	941	911	926	914	935	11
Noon	932	922	917	941	922	932	943	929	923	934	916	940	913	933	900	939	Noon
13h	927	918	909	942	924	936	947	932	923	934	915	938	917	943	923	934	13h
14	911	926	900	944	916	939	947	932	922	933	943	933	886	936	900	942	14
15	911	927	900	942	914	936	953	922	925	925	928	932	880	896	917	941	15
16	910	925	909	942	915	937	954	922	914	935	925	937	875	910	892	939	16
17	910	924	900	946	909	942	945	918	915	924	915	937	877	934	886	934	17
18	908	920	892	937	913	934	936	924	911	929	900	940	876	936	888	931	18
19	907	916	892	938	906	928	926	926	909	922	900	929	891	920	890	925	19
20	905	912	887	933	900	930	919	919	911	926	904	918	888	930	889	916	20
21	900	912	879	931	900	921	914	921	919	947	896	918	888	930	890	924	21
22	900	918	880	920	895	924	912	918	907	916	894	928	891	921	891	922	22
23	900	909	882	927	900	927	913	913	900	912	894	915	888	918	894	927	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs, and are published to the nearest metre*).

FEBRUARY 1916.

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.
Midnight	894	929	889	928	910	925	890	950	892	938	890	948	885	923	885	938	Midnight
1h	892	918	892	919	892	937	900	942	892	939	892	941	890	923	884	939	1h
2	889	927	889	928	891	943	889	927	893	935	900	949	889	929	878	933	2
3	900	923	889	928	892	937	883	941	889	929	900	944	887	932	885	937	3
4	895	924	885	924	885	935	890	925	876	936	893	939	886	934	880	930	4
5	897	916	873	927	892	938	884	939	882	927	894	932	887	934	882	927	5
6	892	920	875	925	900	934	883	941	884	924	889	930	875	925	881	928	6
7	900	926	877	934	900	941	882	943	887	920	886	927	893	932	876	936	7
8	892	940	880	949	888	961	879	950	894	931	900	935	900	943	880	949	8
9	891	945	857	964	886	969	900	962	900	942	888	949	900	960	873	965	9
10	900	951	880	949	900	976	900	979	900	949	900	960	900	970	871	969	10
11	879	950	891	943	884	999	885	974	912	959	900	968	886	969	855	967	11
Noon	900	951	875	960	886	973	900	970	922	954	900	959	914	967	867	979	Noon
13h	890	950	889	952	884	978	886	973	912	957	913	965	886	967	855	967	13h
14	878	952	889	952	886	970	900	976	912	960	900	954	879	967	884	980	14
15	888	959	900	950	873	965	885	977	900	956	900	944	886	951	869	974	15
16	878	953	900	955	886	970	900	983	900	952	879	952	887	972	900	975	16
17	871	944	885	937	900	974	874	964	881	947	889	953	881	962	873	966	17
18	879	951	878	932	883	943	882	945	883	943	882	944	875	946	873	966	18
19	884	924	887	934	882	944	890	947	893	936	884	939	876	937	889	956	19
20	882	927	882	927	883	941	887	933	886	935	889	929	884	936	866	951	20
21	882	927	881	947	890	950	885	937	884	939	890	923	884	940	879	951	21
22	876	936	866	934	884	940	884	940	890	948	890	925	884	939	900	954	22
23	883	943	882	927	900	944	900	945	881	947	886	922	884	939	889	956	23

Hour \ Day.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	Mean. N.	Mean. E.	Hour.
Midnight	890	947	871	944	883	926	882	918	896	920	892	923	Midnight
1h	872	941	892	939	885	923	880	920	894	913	892	923	1h
2	880	948	886	935	884	924	882	918	893	917	891	924	2
3	890	950	885	938	883	925	889	911	893	915	891	924	3
4	891	943	889	952	885	915	889	911	895	912	891	922	4
5	892	937	913	920	885	915	890	907	892	918	891	920	5
6	892	939	908	939	887	919	889	908	893	915	891	921	6
7	900	941	900	936	885	924	888	909	892	910	892	921	7
8	900	957	886	937	886	922	892	906	888	918	891	930	8
9	900	972	877	934	881	946	873	918	896	920	893	938	9
10	900	973	876	958	900	945	889	927	904	921	898	940	10
11	888	958	857	943	882	943	890	923	905	922	895	938	11
Noon	900	968	900	960	891	943	900	931	900	929	901	938	Noon
13h	900	967	886	968	882	945	888	931	900	932	901	940	13h
14	900	958	900	975	882	945	903	887	913	932	898	939	14
15	888	960	873	965	867	950	897	883	906	930	897	938	15
16	889	952	874	963	876	936	883	917	900	931	898	941	16
17	900	953	875	960	877	935	882	918	906	930	893	936	17
18	900	934	900	950	878	933	894	928	900	932	892	932	18
19	868	932	886	936	880	930	890	925	900	924	891	927	19
20	885	938	886	934	883	926	890	924	900	921	890	926	20
21	880	949	889	929	886	921	889	927	896	925	890	927	21
22	876	957	890	923	886	922	892	920	896	921	890	925	22
23	876	958	885	924	888	919	895	925	896	921	892	924	23

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

FEBRUARY 1916.

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

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

TABLE XIII.—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 1916.

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

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of FEBRUARY 1916.

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	30·0	29·4	29·1	28·6	28·4	28·6	29·5	30·1	30·0	29·1	28·6	28·0	28·2	29·3	31·1	31·1	29·0	27·6	26·9	26·9	29·8	33·5	34·5	31·8
2	30·2	29·6	28·7	28·6	28·2	28·6	29·5	29·7	29·8	29·2	28·2	27·7	27·4	29·4	30·1	30·0	29·5	27·4	25·8	26·1	29·1	32·7	31·1	29·3
3	29·9	29·1	28·6	28·2	27·9	28·4	28·7	29·0	29·7	28·5	27·7	27·2	27·5	28·9	29·1	29·1	29·6	26·2	25·2	25·5	28·6	30·0	29·9	28·8
4	28·6	28·4	28·1	27·7	27·5	27·8	28·7	29·4	28·8	27·8	27·2	26·6	27·0	28·5	30·1	30·4	28·7	25·7	24·7	24·9	28·3	32·9	33·0	31·1
5	29·9	29·1	28·7	28·5	28·2	28·5	29·2	30·0	29·6	28·8	28·0	27·7	27·8	29·1	30·8	31·0	28·7	26·9	26·0	26·2	29·0	33·6	35·1	31·6
6	29·7	29·6	29·1	28·8	28·5	28·9	29·8	30·4	29·6	29·3	28·4	28·0	28·1	29·8	31·6	31·5	29·7	27·5	26·2	26·5	29·7	35·1	35·2	32·3
7	30·3	30·0	29·6	29·1	28·9	29·1	29·5	29·5	29·3	29·7	29·0	28·4	28·5	29·5	30·1	30·0	29·5	28·0	27·0	26·8	28·4	32·2	31·4	29·4
8	29·0	29·0	28·6	28·1	27·7	28·1	29·4	29·7	28·9	28·2	27·6	27·0	27·2	28·8	30·7	30·8	26·8	26·1	24·7	24·8	28·5	32·4	33·8	31·9
9	29·9	29·5	29·0	28·7	28·4	28·8	29·4	29·7	29·7	29·1	27·9	27·8	28·0	29·5	30·2	30·2	29·7	27·3	25·9	26·2	26·9	32·6	31·8	30·4
10	29·8	29·3	29·1	28·6	28·4	28·6	29·5	30·0	29·7	28·9	28·3	27·9	28·1	29·2	31·0	31·0	28·6	27·3	26·4	26·4	27·3	33·5	34·2	32·0
11	30·3	29·9	29·4	29·2	29·0	29·2	30·0	30·5	30·1	29·7	29·0	28·8	28·7	30·1	31·6	31·7	29·6	28·8	27·7	27·9	30·0	34·8	35·4	32·5
12	31·5	30·1	29·7	29·3	29·2	29·3	29·7	30·2	30·1	29·9	29·2	28·8	29·0	29·7	30·6	30·7	29·2	28·6	27·5	28·8	29·0	32·2	32·9	31·0
13	30·0	29·7	29·8	29·2	29·1	29·1	30·0	30·4	29·8	29·4	29·2	28·8	28·9	29·8	31·3	31·3	29·0	28·6	27·9	27·8	29·6	33·3	34·1	32·2
14	30·6	30·1	29·7	29·4	29·2	29·4	30·0	30·3	30·3	29·8	29·3	28·9	29·0	30·1	31·1	31·1	29·7	28·6	27·9	27·8	30·7	32·4	33·7	31·5
15	30·4	30·1	29·5	29·4	29·1	29·2	30·2	30·6	30·0	29·7	28·9	28·6	28·8	30·2	31·3	30·9	29·6	28·4	27·1	27·3	30·2	33·8	33·0	30·7
16	30·3	29·8	29·5	29·1	28·7	29·1	29·8	30·3	30·6	29·2	28·7	28·0	28·2	29·6	31·1	31·1	28·5	27·2	26·2	26·4	29·6	34·0	34·2	31·7
17	30·5	30·1	29·5	29·2	29·0	29·3	30·2	30·7	30·5	29·6	29·0	28·6	28·8	30·2	31·7	31·6	29·8	28·3	27·3	27·6	31·4	35·1	35·0	32·4
18	30·4	30·2	29·9	29·5	29·3	29·5	30·2	30·7	30·6	29·9	29·3	28·9	29·0	30·2	31·6	31·6	29·2	28·6	27·6	27·7	30·3	34·7	34·7	32·3
19	30·9	30·2	29·8	29·5	29·3	29·3	30·1	30·4	30·1	30·0	29·2	29·0	28·9	30·0	31·2	31·0	29·6	28·2	27·3	27·4	29·2	34·0	33·3	31·1
20	30·5	29·8	29·2	29·1	28·6	28·8	29·1	29·3	30·1	29·2	28·6	28·0	28·0	29·0	29·6	29·6	29·3	27·3	26·6	26·6	28·2	31·0	31·3	29·2
21	29·2	28·9	28·6	28·2	28·1	28·2	28·7	29·3	28·5	28·2	27·6	27·2	27·3	28·8	29·8	30·0	27·5	26·5	25·7	25·8	28·0	32·5	32·5	30·2
22	29·9	29·1	28·6	28·3	28·1	28·4	29·1	29·3	29·5	28·5	28·0	27·6	27·6	29·1	29·9	29·8	27·5	27·1	26·2	26·3	29·0	33·0	31·6	29·5
23	29·6	29·1	28·5	28·3	28·2	28·4	28·8	29·1	29·7	28·3	27·8	27·5	27·6	28·7	29·5	29·2	26·8	26·6	25·9	26·1	30·8	31·8	31·1	29·2
24	29·1	28·9	28·2	28·1	27·7	27·9	28·5	28·9	28·7	28·1	27·5	27·0	27·0	28·0	29·5	29·6	27·5	26·3	25·3	25·3	27·5	31·6	32·1	30·0
25	30·6	28·7	28·2	28·0	27·8	27·8	28·2	28·6	30·3	28·2	27·5	27·3	27·3	28·1	29·0	29·1	29·5	26·7	25·6	26·0	27·8	30·4	30·9	29·0
26	28·7	28·3	27·9	27·2	26·9	27·0	27·5	27·9	28·4	27·8	26·8	26·1	26·2	27·1	28·2	28·4	27·4	26·2	24·8	24·7	26·8	29·5	29·9	28·3
27	28·1	27·8	27·5	27·3	28·1	27·8	28·5	28·7	27·7	27·3	26·8	26·5	27·5	28·1	29·3	29·6	27·2	25·9	25·2	25·3	28·0	30·3	30·8	29·0
28	29·7	28·4	28·1	27·8	27·5	27·8	28·5	28·7	29·3	28·1	27·3	27·0	27·1	28·8	29·3	29·1	27·6	26·5	25·3	25·3	29·2	31·8	30·5	29·1
29	28·7	28·4	28·1	27·7	27·6	27·9	28·6	27·9	28·7	28·0	27·4	27·0	27·1	28·4	29·4	28·4	27·5	26·3	25·6	25·3	29·1	31·4	28·5	28·6
Mean	29·88	28·75	28·91	28·58	28·94	28·53	29·28	29·63	29·60	28·89	28·21	27·79	27·93	29·18	30·34	30·31	28·68	27·25	26·24	26·40	28·95	32·61	32·60	30·54

* Direct. ** Retrograde.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of FEBRUARY 1916.

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.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Feb. 1d		...	...	2·5	1·0		2·3		2·3	6·9	...	0·5	19·0	2·1	...	1·4
2		...	...	...	1·0		...		...	...	3·8	...	1·8	...	5·1	0·6
3		...	7·7	...	0·5		...		...	...	...	1·8	...	...	...	...
4		7·6	...	16·2	11·2		5·1		10·3	...	1·3	2·0	...	...	...	...
5		...	...	...	0·3		...		...	...	...	...	0·8	...	...	0·6
6		...	...	...	...		...		...	9·7	...	...	2·0	4·0	...	0·8
7		...	...	...	...		...		1·0	...	...	...	5·1	...	1·0	...
8		...	...	4·5	3·3		1·5		1·5	...	...	...	...	...	...	...
9		...	...	...	...		...		...	...	...	...	...	...	...	...
10		...	14·1	...	...		...		...	18·0	3·9	...	...	5·1	...	4·1
11		4·8	...	16·8	9·1		8·1		5·1	9·9	...	2·5	13·2	...	8·1	7·0
12		...	1·5	...	...		2·8		2·7	2·5	9·4	5·1	18·5	9·2	11·9	6·0
13		2·3	...	11·9	1·8		...		0·5	...	8·9	...	...	9·3	18·5	0·8
14		...	...	2·3	1·3		...		0·3	...	1·5	2·0	...	...	2·3	...
15		...	...	0·8	2·5		2·0		1·0	...	...	...	...	...	...	...
16		...	...	...	...		...		...	1·0	...	...	...	...	...	0·4
17		...	...	...	0·3		...		...	1·0	...	0·8	2·8	...	2·5	...
18		...	21·4	0·3	...		1·0		2·0	33·5	1·0	...	1·8	...	...	9·3
19		8·4	5·6	14·0	13·7		12·2		18·9	...	8·6	21·6	10·2	...	7·9	8·0
20		3·3	3·5	7·6	5·3		8·1		11·7	12·7	3·8	10·1	17·8	12·7	3·3	0·2
21		2·0	3·0	1·3	3·6		6·6		5·8	5·1	2·5	5·1	2·3	...	...	0·4
22		5·3	2·0	1·4	1·5		3·8		5·1	13·2	2·3	3·0	6·1	3·8	...	0·3
23		0·2	...	9·6	2·8		9·7		10·9	...	4·3	5·1	...	...	...	...
24		...	5·2	1·0	1·5		5·8		8·6	23·2	...	...	...	...	...	4·3
25		13·5	34·3	3·8	4·8		9·2		2·5	154·9	5·3	3·6	12·4	16·3	8·9	10·5
26		23·9	4·0	35·0	49·8		37·6		54·3	15·2	52·1	0·5	33·0	25·4	64·1	1·0
27		6·6	...	26·4	3·6		...		1·8	...	7·1	...	19·0	...	16·8	...
28		...	...	...	...		3·6		0·3	...	...	1·3	1·3	...	...	...
29		...	...	...	0·5		...		...	...	1·3	...	0·8	...	...	...
Total ...	...	77·9	102·5	155·4	119·4	...	119·4	...	146·6	306·8	117·1	65·0	167·9	87·9	150·4	55·7

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of FEBRUARY 1916.

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.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Feb. 1d		3·5	11·4	...		...	27·7	...	...	8·9		...	0·8	0·5		...
2		2·0	4·5	...		...	5·1	...	21·8	...		...	0·6	...		...
3		2·5	1·3	...		...	...	14·0	...	...		33·0	31·8	19·3		21·6
4		...	...	...		...	...	...	...	...		...	0·3	...		...
5		...	2·5	...		...	...	...	...	...		...	0·1	1·3		...
6		2·0	1·8	...		...	3·8	...	...	...		...	...	2·8		...
7		...	1·3	...		...	1·5	...	...	...		...	0·2	4·1		...
8		...	...	...		...	...	...	...	...		...	0·5	...		...
9		...	...	...		...	...	...	...	...		...	0·1	...		...
10		...	...	...		8·6	2·3	...	...	0·5		...	0·8	5·1		...
11		6·2	15·3	4·6		18·5	...	...	3·8	3·3		...	2·0	2·3		2·8
12		11·9	14·2	6·8		19·6	1·8	...	5·1	...		...	0·9	19·1		..
13		...	1·5	8·4		...	...	14·2	...	...		...	4·6	0·5	Observations discontinued temporarily.	10·9
14		...	...	3·3		...	...	...	...	...		7·6	2·6	6·1		...
15		...	...	...		...	2·8	15·2	...	...		...	0·9	...		...
16		...	...	...		...	...	...	...	...		...	0·2	...		...
17		1·6	1·8	...		1·5	...	...	...	...		...	0·9	...		...
18		49·5	4·5	...		47·0	...	...	...	...		...	0·7	17·2		...
19		15·5	22·6	35·8		8·4	39·6	...	11·4	21·8		10·2	10·5	59·4		6·1
20		...	29·3	12·7		...	4·6	...	...	15·5		5·1	0·1	6·8		0·5
21		7·4	3·8	...		6·3	0·8	...	...	5·6		1·8	5·3	14·2		...
22		...	12·7	7·9		...	...	...	...	12·2		...	2·7	5·1		...
23		1·0	2·0	...		...	...	...	...	5·3		5·1	3·0	1·0		...
24		7·0	1·0	...		1·3	3·8	...	...	1·0		...	2·0	17·0		3·8
25		26·9	22·6	1·8		25·4	23·1	3·0	3·3	28·2		10·2	9·3	82·5		...
26		1·3	23·4	17·8		...	84·6	...	9·2	35·8		7·6	18·2	11·2		0·2
27		...	24·2	...		...	24·0	...	...	11·7		2·5	...	...		...
28		...	2·0	...		...	...	...	...	...		...	0·1	...		...
29		...	...	...		...	...	3·1	...	...		9·4	0·8	...		12·5
Total ...	...	138·9	203·7	99·1	...	136·6	225·5	49·5	54·6	149·8	...	92·5	100·0	275·5	...	58·4

* Residence. § Record not received.

TABLE XVI.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
FEBRUARY 1916.

Royal Alfred Observatory, Pamplemousses.

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

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

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of FEBRUARY, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude Feet.	Total fall in inches.	Total fall in mill.	Normal. in mill.	Number of days.
1	1	Mare Sèche ...	20	5·74	145·8	157·7	13
	2	Union *	200	4·07	103·4	...	11
	3	St. Antoine ...	50	3·07	77·9	165·6	11
	4	Bel Mont	50	2·80	71·1	174·2	8
	5	Poudre d'Or ...	20	2·52	64·0	161·0	9
	6	Poudre d'Or Hospital	10	2·34	59·4	157·7	5
	7	Mon Loisir (R) ...	300	4·65	118·1	175·0	13
	8	Mon Loisir (S.E.) §..	300	...	...	...	...
	9	Forbach	300	3·98	101·2	226·8	9
	10	Labourdonnais ..	290	4·03	102·5	225·2	11
	11	Beau Séjour ...	300	6·12	155·4	243·5	17
	12	Mont Piton ...	860	5·66	143·8	303·5	16
	13	Mon Choix... ...	700	6·41	162·8	308·8	14
	14	Antoinette	640	4·65	118·1	365·7	13
	15	California	850	5·02	127·5	277·4	11
	16	Nouvelle Découverte	1,400§	...	...	...	...
	17	Mon Songe... ...	620	6·18	157·0	253·7	16
	18	La Grande Rosalie ...	643	5·05	128·3	258·8	13
	19	The Mount ...	325	5·80	147·3	243·3	14
	20	Botanic Gardens ...	225	4·70	119·4	223·0	21
	21	Beau Plan ...	195	3·93	99·8	167·4	9
	22	The Observatory ...	179	4·16	105·7	178·5	18
	23	Solitude	175	3·21	81·5	151·4	8
	24	St. André ...	90	3·95	100·3	165·3	8
	25	Belle Vue Harel ...	350	4·75	120·6	154·9	12
	26	Mont Choisy ...	10	5·85	148·6	242·8	14
	27	Belle Vue Pilot* ...	...	6·05	153 7	...	13
	28	Rosalie *	...	5·99	152·1	...	16
	29	Constance* ...	...	8·13	206·4	...	21
	30	Belle Vue Maurel *..	...	3·81	96·8	...	12
	31	Esperance (Trebuch.)*	...	4·02	102·1	...	11
	32	Schœnfild * ...	...	2·86	72·6	...	11
	33	Industrie * ...	...	8·20	208·3	...	14
	34	St. François Estate *	...	5·87	149·1	...	9
	35	Réunion * ...	...	5·10	129·5	...	9
	36	Souvenir * ...	...	4·22	107·2	...	8
	37	Mon Rocher * ...	...	4·71	119·6	...	13
	38	Bon Espoir * ...	...	4·12	104·6	...	10
	39	Ile d'Ambre * ..	...	3·20	81·3	...	12
2&3	1	Union Regnard ...	600	4·43	112·5	253·0	19
	2	La Grande Retraite	350	3·81	96·8	259·3	12
	3	Constance d'Arifat§ .	100	...	...	...	...
	4	St. Julien Church ...	1,050	5·77	146·6	253·5	20
	5	Rich Fund* ...	600	4·70	119·4	...	16
	6	Constance (Manès)*	...	4·37	111·0	...	13
	7	Queen Victoria § ...	...	...	...	...	...
	8	Belle Mare* ...	...	0·74	18·8	...	10
	9	Constance La Gaieté *	...	3·00	76·2	...	13
	10	Bel Etang (Lesur)*.	...	9·71	248·9	...	17
	11	Ron Espoir * ...	...	3·84	97·5	...	8
	12	Belle Vue (Allendy)*	...	4·64	117·8	...	11
4	1	Sans Souci § ...	900	12·08	306·8	...	...
	2	Etoile	400	4·61	117·1	302·5	16
	3	Beau Champ ...	20	2·56	65·0	164·8	15
	4	Belle Rive * ..	400	4·40	111·8	...	14
	5	Olivia *	400	3·65	92·7	...	15
	6	Deep River* ...	350	5·13	130·3	...	13
	7	Unité * ...	...	6·27	159·0	...	14
	8	Belle Rose * ...	...	3·16	80·2	...	10
	9	La Lucie (Est.) *...	...	2·95	74·9	...	10
	10	La Lucie (Residen)*	...	2·36	59·9	...	8
5	1	Rose Belle* ...	850	6·61	167·9	...	18
	2	Cent Gaulettes ...	500	11·15	283·2	398·8	16
	3	St. Hubert* ...	400	8·28	210·3	...	9
	4	Riche-en-Eau ...	460	3·46	87·9	263·7	9
	5	Ferney	20	5·92	150·4	289·0	12
	6	Beau Vallon (R) ...	60	2·20	55·7	180·8	17
	7	Union Vale	200	2·65	67·3	232·1	9
5	8	Mon Désert(Carié)*.	75	2·21	56·1	...	9
	9	Riche Bois * ...	1,420	4·55	114·3	...	13
	10	Cluny*	1,000	10·11	257·8	...	16
	11	Virginia Estate* ...	...	2·77	70·4	...	8
	12	Eau Bleue * ...	...	9·26	235·2	...	23
6	1	Kanaka	2,000	12·32	312·9	450·3	25
	2	Tivoli ...	1,300	8·48	215·4	467·4	18
	3	La Flora*	1,050	8·02	203·7	...	21
	4	Britannia (No. 1)...	730	5·47	138·9	348·0	14
	4a	Britannia (No. 2)*	600	2·13	54·1	...	16
	5	Gros Bois	500	4·66	118·3	271·2	17
	6	Savannah (Residence)	200	4·13	104·9	313·2	8
	7	Savannah, (Mill) ...	200	4·77	121·2	279·4	9
	8	St. Aubin § ...	300	...	...	...	...
	9	St. Félix (Union) ...	90	6·10	154·9	236·7	6
	10	Beau Bois § ...	350	...	...	...	...
	11	Labarracq (Resid.)*	250	3·90	99·1	...	9
	12	St. Avold * ...	900	9·42	239·2	...	17
	13	Terracine *... ...	100	5·04	128·1	...	14
	14	Labarracq (Mill)* ...	250	...	...	...	...
	15	St. Félix * ...	...	5·28	134·1	...	14
	16	Bel Air * ...	...	4·72	119·9	...	11
	17	Chamouny * ...	...	6·10	154·9	...	8
	18	Union Sugar Est. *..	...	4·22	107·1	...	10
	19	Fontenelle * ...	...	5·56	141·0	...	8
	20	Combo * ...	...	5·50	139·7	...	9
7–8&9	1	Bel Ombre * ...	50	5·38	136·6	...	11
	2	Chamarel ...	400	8·88	225·5	374·4	14
	3	Beau Champ * } ...	...	3·94	100·0	...	7
	4	Board * } ...	...	4·54	115·3	...	5
	5	Sainte Marie § } ...	...	...	...	...	...
	6	Medine * ...	...	1·38	35·0	...	5
10	1	Les Gorges ...	...	7·18	180·5	268·2	13
	3	Curepipe Gardens ...	1,840	9·30	236·2	341·1	20
	4	Mare-aux-Vacoas§ ...	1,850	...	...	...	...
	5	La Marie Filter Bed§	1,700	...	...	...	...
	6	Réunion	1,420	5·90	149·8	338·3	12
	7	Tamarin *	150	2·15	54·6	...	6
	8	Clarens * ‡	150	1·95	49·5	...	5
	9	Les Salines (B. R.) *	...	1·71	43·4	...	7
	10	Terrain Bonnefin †...	...	...	...	...	...
11	1	The Manse ...	850	4·17	105·9	187·7	15
	2	The Bower ...	1,080	5·14	130·6	299·2	20
	3	Le Réduit (D.of A.)	1,000	3·95	100·0	273·8	25
	4	Alma	1,460	10·85	275·5	479·0	19
	5	Minissy *	1,150	4·94	125·5	...	17
	6	Bagatelle ...	1,250	6·51	165·4	332·7	19
	7	Highlands ...	1,300	7·06	179·3	268·5	20
	8	Trianon	950	4·66	116·5	285·2	19
	9	Salency	923	3·64	92·5	250·9	10
	10	Military Camp (V.)§	1,370	...	...	...	...
	11	La Ferme * ...	350	2·30	58·4	...	8
	12	Bon Air	1,050	5·28	125·1	299·7	12
	13	Val Ory	1,100	5·00	127·0	291·6	20
	14	Pieter Both (Este.)*	...	10·85	275·6	...	11
	15	Roslyn Cot. (Este.)*	...	6·66	169·1	...	9
	16	Agrément (Estate) *	...	7·28	184·9	...	11
	17	Circonstance (Ete.)*	...	8·72	221·5	...	11
	18	Le Reduit Grounds *	...	5·13	130·3	...	14
	19	Stanley (Estate)* ...	...	3·53	89·7	...	9
	20	Ebène (Estate)* ...	...	3·69	93·7	...	12
	21	Mon Rêve (Estate)*	...	4·39	111·5	...	11
	22	Béga *	...	4·01	101·8	...	9
	23	Bassin *	...	1·55	39·4	...	8
	24	Hermitage * ...	...	7·53	191·2	...	9
	25	Cote d'Or * ...	...	6·79	172·5	...	16
12	1	Salines(Roche Bois)§	10	...	...	...	...
	2	The Albion Dock ...	18	2·28	57·9	179·1	10
	3	Line Barracks§ ...	10	...	...	...	...

* Normals not available § Record not received 4 a Bon Accueil ‡ Casela † A station at Mare aux Vacoas Reservoir.

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 1916.	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	calm	calm	...	calm	calm	mod.	calm	calm
2	,,	,,	...	,,	,,	,,	,,	,,
3	,,	,,	calm	,,	,,	calm	,,	,,
4	,,	,,	...	,,	,,	,,	,,	,,
5	Slight N.N.W.	light	...	,,	,,	,,	,,	,,
6	...	mod.	...	,,	...	...	,,	,,
7	calm	calm	calm	,,	calm	calm	,,	,,
8	,,	,,	...	,,	,,	,,	,,	,,
9	light N.W.	,,	calm	,,	,,	,,	,,	,,
10	,,	mod.	,,	,,	,,	,,	,,	,,
11	,,	heavy	,,	,,	,,	,,	,,	,,
12	,,	mod.	,,	,,	,,	,,	,,	,,
13	...	,,	...	,,	...	...	,,	,,
14	calm	calm	calm	,,	calm	calm	,,	,,
15	,,	,,	,,	,,	,,	,,	,,	,,
16	,,	,,	,,	,,	,,	,,	,,	,,
17	,,	,,	,,	,,	,,	,,	,,	,,
18	,,	,,	,,	,,	,,	,,	,,	,,
19	,,	,,	...	,,	,,	,,	,,	,,
20	...	,,	...	,,	,,	,,	,,	,,
21	calm	,,	...	,,	,,	...	,,	,,
22	,,	,,	calm	,,	,,	slight	,,	,,
23	,,	,,	...	,,	,,	calm	,,	,,
24	,,	,,	calm	,,	,,	slight	,,	,,
25	,,	,,	,,	,,	light	,,	,,	,,
26	...	,,	,,	,,	,,	calm	,,	,,
27	...	,,	...	,,	...	...	,,	,,
28	calm	,,	...	,,	...	calm	,,	,,
29	,,	,,	mod.	,,	calm	,,	,,	,,

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

(*Altitude 140 feet above sea level.*)

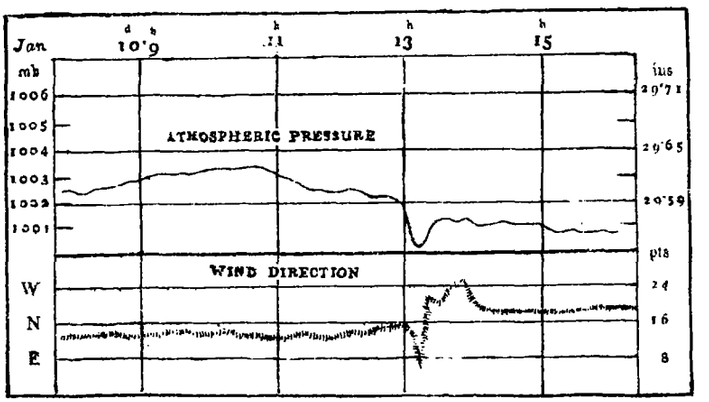
Day 1916.	Barometric Pressure at 9 a.m. (corrected for Temperature and reduced to L 45°.)	Wind. Direction at 9 a.m.	Wind. Mean Wind Velocity.	Amount of Rain measured at 9. a.m.	Weather.
	mbs.		met p. sec	mm.	
Feb. 1	1003·0	S.S.E.	3·1	2·5	fine
2	998·9	S.E.	2·9	6·1	,,
3	997·5	W.S.W.	1·9	...	,,
4	998·6	W.	4·2	...	,,
5	999·7	S.W.	3·4	5·3	variable.
6	1000·0	S.W.	2·4	8·1	var: & showery.
7	998·6	S.W.	2·7	...	fine.
8	1000·8	S.S.W.	1·3	...	gen: overcast.
9	1001·8	E.	1·7	0·2	c. with occ: rain.
10	1002·4	E.b.N.	3·1	4·1	fine.
11	1004·0	E.b.N.	3·0	14·0	,,
12	1006·4	E.N.E.	...	...	cloudy.
13	1007·5	E.S.E.	1·7	0·5	rainy.
14	1007·0	E.S.E.	3·7	0·5	fine.
15	1005·7	E.S.E.	3·4	0·3	,,
16	1005·2	E.S.E.	3·2	...	,,
17	1005·0	E.S.E.	3·4	2·3	,,
18	1005·3	E.b.S.	5·1	...	,,
19	1004·7	E.b.S.	4·7	...	cloudy.
20	1005·6	S.E.	4·6	0·5	fine.
21	1005·8	E.S.E.	3·1	0·2	,,
22	1006·0	E.S.E.	4·0	2·0	,,
23	1006·2	S E.b.S.	4·0	0·3	,,
24	1005·3	E.b.S.	3·8	8·1	variable.
25	1006·2	E.b.S.	5·1	115·8	cl: with occ: rain.
26	1005·6	S.E.	3·8	1·0	fine.
27	1006·0	S.	2·3	1·5	showery.
28	1002·7	S.	1·7	0·8	var: & showery.
29	1006·1	N.E.	2·0	...	fine.
Mean	1003·7	...	3·2	174·1	.....

Cyclones in the South Indian Ocean during January 1916.

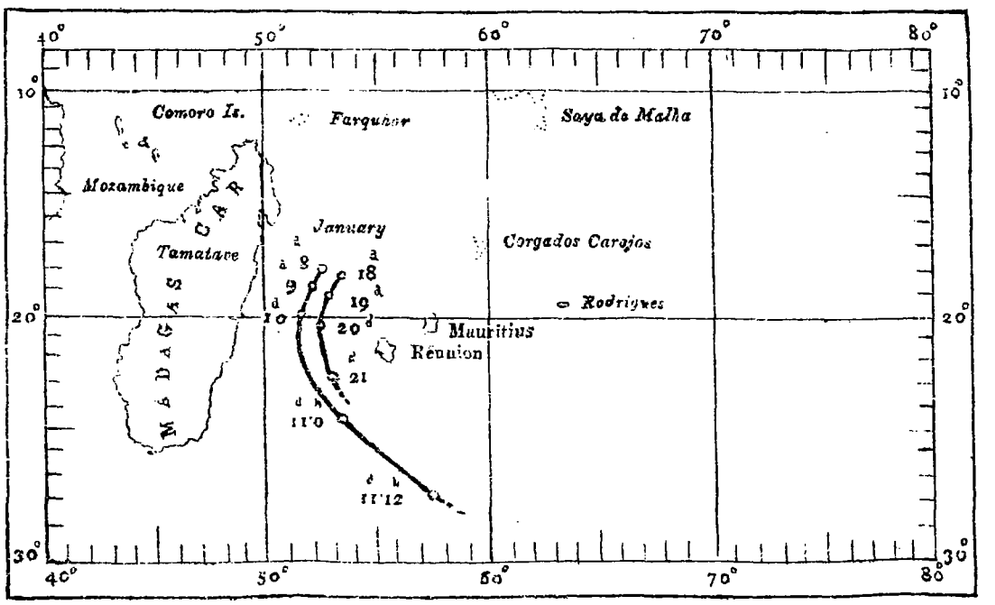
On January 8 a general decrease of pressure was reported at all stations over the ocean areas between Rodrigues and Madagascar. Wind velocities were light and directions pointed to a feeble gyratory circulation round the position marked (Jan. 8) on the chart. On the 9th pressure rose slightly, heavy rains were reported and wind velocities increased somewhat. On the morning of the 10th a heavy swell was felt on the N.W. coasts. A definite cyclonic circulation with strong winds would appear in consequence to have formed on the afternoon of the 9th in about Lat. 18° and Long. 52½°.

The storm appears to have reached its most westerly position at noon on the 10th and after curving to have travelled rapidly toward the S.E. The lowest barometer occurred at Mauritius about 2 a.m. on the 11th; the storm was apparently very short-lived and the depression was filling up at noon on the same day. The circulation was weak throughout its existence. Wind velocities at Réunion do not appear to have exceeded 6 on the Beaufort Scale.

A curious variation of pressure with rapid oscillation of the wind was recorded at the Observatory at the time of veering. A copy of the record is given below :—



TRACK OF CYCLONES JANUARY 1916.



From the 12th to the 16th the weather was disturbed N.E. of Mauritius and the conditions were such as might have been associated with a cyclonic storm about 500 kilometres N.E. of Rodrigues. The logs of ships Nos. 15287 and 15290, and the observations at Rodrigues during this period indicate clearly cyclonic conditions, but the stations are not sufficiently numerous to permit the determination of a track.

On the 17th there was again a general decrease of pressure between Rodrigues and Madagascar but no definite cyclonic circulation with high winds was established until the 19th. The positions given for this cyclone are somewhat uncertain but the change of swell observed at Port Louis plainly shows the direction of the storm centre on each day.

The decrease of pressure at the Madagascar stations due to this storm was accentuated on the 22nd and 23rd by the formation of a cyclonic depression northward or north eastward of that Island. The storm is reported by the Antanarivo Observatory to have passed down the Mozambique channel on the 24th or 25th and to have gradually filled up. Violent electrical disturbances were reported from Zanzibar.

The meteorological conditions over the South Indian Ocean during these cyclones will be seen from the following tables. The detailed observations at Mauritius were given in the January bulletin.

1916 January 8.

Number of Vessel in Register.	Position at Noon.		Atmospheric Pressure.			Maximum Temperature.	Wind Direction and Force.			Remarks.
	Lat. (S.)	Long. (E.)	9 h.	Noon.	15 h.		9 h.	Noon.	15 h.	
	°	°	mbs.	mbs.	mbs.	°				
15283	20	51	...	...	...	...	E. (4)	E. (4)	E. (4)	f. mod. swell : anchored
15287	Agaléga		...	1014·9	...	...	...	N.W. (5)	...	c.
15288	0	56¾	1013·2	1012·8	1012·5	32	Var. (2)	E.N.E. (2)	E. (2)	f. : c.p. Ely. swell
15289	1½	56¾	1014·2	1014·5	1013·5	29	N.E. (1)	N.E. (1)	Var. (1)	f.
15290	27	83	.	1017·3	...	...	E.N.E. (2)	E.N.E. (2)	E.N.E. (2)	f. moderate swell
15292	4½	52¾	1009·1	1009·1	1007·1	28	N.b.W. (2)	N.b.W. (2)	N.N.W. (2)	f. mod. Nly. swell: f. slight swell
15293	23¼	35¾	...	...	...	...	S.E. (2)	S.E. (4)	S.E. (4)	c. : f.
Rodrigues ...			1011·6	...	1011·8	29	E.b.S. (0)	...	N.E.	c.p.
Mauritius ...			1011·3	1010·6	1009·7	29	E.b.N. (1)	N.E. (1)	N.E.b.N. (1)	c.g. : o.g. : o.g.p.
Seychelles ...			1011·2	...	...	...	N.W.	...	...	.....
Tamatave ...			...	1006·7	...	...	...	S.S.E. (0)	...	.....
Tananarive ...			...	1008·4	...	...	...	W. (3)	...	.....
Diégo Suarez ...			...	1002·2	...	...	...	N.W. (1)	...	.....
Fort Dauphin ...			1006·1	...	...	...	...	N.E. (2)	...	.....

1916 January 9.

15287	Agaléga		...	1014·9	...	..	...	N.W. (5)	...	c.
15288	3¾	57	1015·2	1014·2	1012·8	33	Var. (2)	Var. (2)	Var. (2)	f.
15289	5	57½	1014·5	1015·2	1013·5	31	Var. (1)	Var. (1)	Var. (1)	f.
15290	26¾	81¼	...	1018·9	...	...	E.N.E. (2)	E.N.E. (2)	S.E. (2)	f. moderate swell
15292	4½	49¾	1010·8	1009·5	1008·5	28	N.b.E. (4)	N. (4)	N.N.E. (2)	f. mod. swell
15293	25½	34	...	...	...	...	E.S.E. (5)	E.S.E. (4)	S. (5)	p. mod. sea : f. mod. sea
Rodrigues ...			1013·7	...	1012·2	29	E.S.E. (1)	...	E.b.N.	c. p. : c.
Mauritius ...			1010·6	1010·4	1009·3	26	N.E.b.N. (2)	E.N.E. (1)	E.b.N. (1)	o. g. p. : o. g. r.
Seychelles ...			1012·0	...	...	...	N. W.	...	...	.....
Tamatave ...			...	1007·4	...	...	...	S.E. (1)	...	.....
Tananarive ...			...	...	...	...	...	...	...	.....
Diégo Suarez ...			...	1002·2	...	...	...	W.N.W. (2)	...	.....
Fort Dauphin ...			1009·4	...	...	...	...	S. (2)	...	.....

1916 January 10.

Number of Vessel in Register.	Position at Noon. Lat. (S.)	Long. (E.)	Atmospheric Pressure. 9 h.	Noon.	15 h.	Maximum Temperature.	Wind Direction and Force. 9 h.	Noon.	15 h.	Remarks.
	°	°	mbs.	mbs.	mbs.	°				
15287	Agaléga		...	1011·5	...	...	...	N.W. (5)	...	c.
15288	6¾	58	1014·5	1014·2	1012·2	32	W. by (2)	W. (2)	W. (4)	p. : c. Wly. swell
15289	8½	57¼	1013·9	1013·9	1013·5	28	W.N.W. (4)	W.N.W. (2)	W. (4)	c. slight sea : o.c.q.
15290	26½	79¾	...	1018·9	...	...	S.E.b.S. (4)	S.E.b.S. (4)	S.E.b.S. (4)	f.
15292	4¼	45¾	1010·5	1009·8	1008·5	29	N.E.b.N. (4)	N.b.E. (4)	N.N.E. (4)	f.
15293	Lorenzo Marquès		...	...	...	...	...	...	...	anchored
Rodrigues ...			1014·9	...	1012·9	29	E.b.N. (1)	...	E.N.E.	c.
Mauritius ...			1009·3	1010·4	1007·4	25	N.N.E. (2)	N.N.E. (2)	N.b.W. (3)	o.g.r. : o.g.d. : o.g.r.
Seychelles ...			1012·1	...	...	...	N.W.	...	...	.....
Tamatave ...			...	1006·8	...	...	...	W.S.W. (0)	...	.....
Tananarive ...			...	1008·8	...	...	...	E. (1)	...	.....
Diégo Suarez ...			...	1002·2	...	...	...	W.N.W. (2)	...	.....
Fort Dauphin ...			1014·1	...	...	...	...	S.E. (3)	...	.....

1916 January 11.

15287	Agaléga		...	...	...	...	...	N.W. (5)	...	c.
15288	10¼	58	1014·2	1013·2	1011·8	32	Var. (2)	S. (2)	S.W. (4)	p. : p. mod. sea
15289	12¾	57½	1013·9	1013·9	1013·5	29	Var. (1)	Var. (1)	W. by (1)	c. : p.
15290	25¾	77¼	...	1015·6	1013·9	...	E.S.E. (2)	E.S.E. (2)	E.S.E. (2)	f. moderate swell
15292	4¼	42¼	1010·1	1009·8	1008·8	30	N.E.b.E. (5)	N.E. (4)	N.N.E. (5)	f. mod. sea : f. rough to mod. sea
Rodrigues ...			1013·4	...	1010·8	29	N.E. (2)	...	N.E.	c.
Mauritius ...			1007·6	1006·6	1006·0	28	N.W.bW. (2)	S.W. (3)	S.W. (3)	o.p.g.q.l : c.g.p.q : c.q. : f.
Seychelles ...			1013·3	...	...	...	N.	...	...	.....
Tamatave ...			...	1008·7	...	...	...	S.W. (2)	...	.....
Tananarive ...			...	1010·3	...	...	...	E.S.E. (2)	...	.....
Diégo Suarez ...			...	1003·5	...	...	...	W.N.W. (2)	...	.....
Fort Dauphin ...			1015·3	...	...	...	...	S.E. (4)	...	.....

1916 January 12.

15287	Agaléga		...	...	...	...	...	N.W. (5)	...	f.
15288	13¾	58	1012·2	1013·9	1010·8	30	S.W. (4)	S. (2)	S. (2)	f.
15289	anchored		1015·2	...	...	...	S. by (5)	...	...	c. rough sea : Mauritius
15290	25	75¼	...	1012·2	1009·5	...	E. (2)	E. (2)	Var. (2)	f. : o.
15291	0	61	1011·2	1011·5	1009·1	29	N.E. (2)	N.E. (2)	N.E. (2)	f. slight sea
15292	Mombassa		1011·2	...	...	...	N.W. (5)	N.W. (4)	...	f. mod. sea : anchored
Rodrigues ...			1009·6	...	1007·8	29	N.N.E. (2)	...	N.N.W.	c.f. : c.p.
Mauritius ...			1010·7	1009·6	1008·6	29	S.E. (1)	S.S.E. (1)	S.E. (2)	c.g. : c. : o.g.
Seychelles ...			1013·3	...	...	...	W.N.W.	...	...	.....
Tamatave ...			...	1008·7	...	...	...	S.S.E. (1)	...	.....
Tananarive ...			...	1011·0	...	...	...	E. (3)	...	.....
Diégo Suarez ...			...	1000·4	...	...	...	W.N.W. (2)	...	.....
Fort Dauphin ...			1014·1	...	...	...	...	...	...	.....

1916 January 13.

Number of Vessel in Register.	Position at Noon. Lat. (S.)	Position at Noon. Long. (E.)	Atmospheric Pressure. 9 h.	Atmospheric Pressure. Noon.	Atmospheric Pressure. 15 h.	Maximum Temperature. (Fah).	Wind Direction and Force. 9 h.	Wind Direction and Force. Noon.	Wind Direction and Force. 15 h.	Remarks.
	°	°	mbs.	mbs.	mbs.	°				
15287	10½	57	...	1014·2	...	31	W.N.W.	W.N.W. (2)	W.N.W. (2)	f. : c.
15288	16½	57¾	1012·2	1012·5	1011·8	30	S. (2)	S. (2)	S. (2)	o. westerly swell : o. S.E. swell
15290	24½	73¼	...	1012·2	1012·2	...	S.S.E. (5)	S.S.E. (6)	S.S.E. (6)	o. mod. swell : c. rough sea
15291	4	59¾	1010·5	1010·8	1011·8	29	E.N.E. (2)	Var. (2)	Var. (2)	f. slight sea : f. Ely. swell
Rodrigues ...			1010·0	...	1009·4	30	E.b.S. (2)	...	E.	o.g.p. : o.r.g.q.
Mauritius ...			1011·3	1010·6	1010·0	...	E.S.E. (2)	E.S.E. (3)	E.S.E. (3)	.....
Seychelles ...			1011·7	...	...	...	N.N.E.	...	...	.....
Tamatave ...			...	1009·0	...	...	...	S.S.E. (2)	...	.....
Tananarive ...			...	1011·3	...	...	...	E. (2)	...	.....
Diégo Suarez ...			...	999·9	...	...	...	W.N.W. (3)	...	.....
Fort Dauphin ...			...	1013·5	...	...	...	N.E. (6)	...	.....

1916 January 14.

15287	11	57½	...	1016·2	...	30	W.N.W.	W.N.W. (2)	W.N.W. (2)	f.
15288	18¾	57½	1012·8	1013·5	1012·2	30	S.E. (5)	S.E. (5)	S.E. (6)	o. mod. swell : o. rough sea
15290	24	70¾	...	1017·2	1016·2	...	S.S.E. (6)	S.S.E. (6)	E.S.E. (5)	c. high sea : c. mod. sea
15291	7¾	58½	1011·5	1011·5	1008·8	27	Var. (2)	W.S.W. (4)	W.S.W. (4)	c.g.p. slight swell: o.r. mod. sea
Rodrigues ...			1011·8	...	1008·4	28	E.b.S. (3)	...	E.b.S.	o.g.p. : o.g.p.
Mauritius ..			1012·2	1011·7	1011·0	...	S.E. (2)	S.E.b.E. (3)	S.E.b.E. (3)	.....
Seychelles ...			1013·0	...	...	...	...	N.E.	...	.....
Tamatave ...			...	1008·4	...	...	...	W. (2)	...	.....
Diégo Suarez ...			...	1002·4	...	...	...	W.S.W. (2)	...	.....
Fort Dauphin ...			...	1010·8	...	...	...	N.E. (5)	...	.....

1916 January 15.

15287	12	58¾	...	1014·9	...	33	S.S.W.	S.S.W. (2)	W. (2)	c.q. : f.
15288	anchored		1013·9	...	...	...	S.E.	...	...	f. mod. swell : Mauritius
15290	23½	68½	...	1018·3	1017·2	...	S.E. (5)	S.E. (5)	S.E. (5)	f. moderate sea
15291	11½	58¼	1012·2	1012·2	1009·8	28	W. by (2)	W. by (4)	W. by (4)	f. mod. swell : f. slight swell
Rodrigues ...			1011·1	...	1008·2	28	E.b.S. (3)	...	E.N.E.	o.p. : c.
Mauritius ...			1012·7	1012·1	1010·7	30	S.E. (1)	S.b.E. (0)	N.b.E. (1)	c. : f. : c. : f. : c.
Seychelles ...			1015·4	...	...	...	E.	...	...	.....
Tamatave ...			...	1008·8	...	...	...	S.S.W. (?)	...	.....
Tananarive ...			...	1010·4	...	...	...	E. (1)	...	.....
Diégo Suarez ...			...	1002·6	...	...	...	W.S.W. (2)	...	.....
Fort Dauphin ...			...	1013·6	...	...	...		...	.....

1916 January 16.

15287	13	59¼	...	1016·9	...	31	W.	W. (2)	W. (2)	f. moderate swell
15290	22¾	67¼	...	1017·2	1015·6	...	S.E. (4)	S.E. (4)	S.E. (4)	c.p. : f.
15291	15¼	57¾	1010·1	1010·5	1008·1	28	Var. (1)	Var. (4)	S.E. (4)	c. slight swell:o.g.r. slightswell
Rodrigues ...			1013·7	...	1012·7	29	E.b.S. (2)	...	E.N.E.	f. : o.g.p.
Mauritius ...			1011·8	1011·3	1009·9	30	E.S.E. (1)	W.b.S. (1)	W. (1)	o. : o.p. : c.g.: o.g. : o.g.l.
Seychelles ..			1015·0	...	...	...	N.	...	...	.....
Tamatave ...			...	1011·8	...	...	...	S. (2)	...	.....
Tananarive ..			...	1011·3	...	...	...	E. (1)	...	.....
Diégo Suarez ...			...	1001·0	...	...	...	W.S.W. (2)	...	.....
Fort Dauphin ...			...	1013·6	...	...	...	N.E. (6)	...	.....

1916 January 17.

Number of Vessel in Register.	Position at Noon. Lat. (S.)	Position at Noon. Long. (E.)	Atmospheric pressure. 9 h.	Atmospheric pressure. Noon.	Atmospheric pressure. 15 h.	Maximum Temperature. (Fah).	Wind Direction and Force. 9 h.	Wind Direction and Force. Noon.	Wind Direction and Force. 15 h.	Remarks.
	°	°	mbs.	mbs.	mbs.	°				
15287	14¼	59	...	1011·5	...	32	E. (2)	E. (4)	E. (5)	c.
15290	22½	65½	...	1016·2	1013·9	...	S.E. (4)	S.E. (4)	S.E. (4)	f. : f. slight sea
15291	19¼	57½	1012·2	1009·5	1007·4	27	S.S.E. (2)	S.S.E. (2)	S.S.E. (2)	f. slight sea :f. mod. sea.
Rodrigues		...	1012·8	...	1011·6	29	E.b.S. (2)	...	E.S.E.	c.
Mauritius		...	1010·7	1010·7	1008·8	29	E.S.E. (2)	E.N.E. (1)	E.N.E. (1)	c.p. : f. : c. : c.p. : c.
Seychelles		...	1011·7	...	...	...	N.W.	...	...	.....
Tamatave		...	...	1009·9	...	...	...	S. (3)	...	.....
Tananarive		...	...	1009·9	...	...	...	E.N.E. (1)	...	.....
Diégo Suarez		...	...	1006·8	...	...	...	S.E. (2)	...	.....
Fort Dauphin		...	...	1009·9	...	...	...	N.E. (3)	...	.....

1916 January 18.

15287	16¼	59½	...	1013·5	...	30	E.N.E. (2)	E.N.E. (4)	E.N.E. (4)	c.r. : c.
15290	22	63½	...	1015·6	1013·9	...	S.E. (4)	S.E. (4)	S.E. (2)	f. : f. slight sea
Rodrigues		...	1012·8	...	1012·2	29	E.b.S. (1)	...	S.E.	c. : c.p.
Mauritius		...	1010·9	1010·2	1009·9	29	E.N.E. (2)	E.N.E. (2)	E.N.E. (2)	c.p. : c.p.q. : o.p. : c.g.
Seychelles		...	1010·8	...	...	...	N.W.	...	...	.....
Tamatave		...	...	1007·0	...	...	...	S.S.E. (1)	...	.....
Tananarive		...	...	1009·5	...	...	...	W. (1)	...	.....
Fort Dauphin		...	...	1009·3	...	...	...	N.E. (4)	...	.....

1916 January 19.

15287	18¾	58½	...	1014·2	...	29	E.S.E. (5)	E.S.E. (5)	E.S.E. (5)	c.g.d. : c.g.
15290	21½	60½	...	1014·9	1013·9	...	S.E. (4)	S.E. (4)	E.S.E. (4)	f.
Rodrigues		...	1013·2	...	1012·2	28	E.S.E. (1)	...	E.b.N.	c.p. : o.g.
Mauritius		...	1011·1	1010·8	1009·7	28	E. (2)	E. (2)	E. (2)	c.p. : c.p.q. : o.g.
Seychelles		...	1010·6	...	...	...	N.W.	...	...	.....
Tamatave		...	...	1007·6	...	...	...	S. (1)	...	.....
Tananarive		...	...	1010·0	...	...	...	W. (1)	...	.....
Diégo Suarez		...	...	1000·8	...	...	...	W.S.W. (1)	...	.....
Fort Dauphin		...	...	1009·3	...	...	...	N.E. (4)	...	.....

1916 January 20.

15287	Mauritius		...	1012·2	...	30	E.S.E. (5)	...	...	c.g. : anchored
15290	20¾	59	...	1012·8	1010·5	...	E.S.E. (4)	E.S.E. (4)	E.S.E. (4)	f. :c. W.N.W.swell
Rodrigues		...	1012·0	...	1010·9	29	E.b.S. (1)	...	E.S.E.	c.p. : o.g.r.
Mauritius		...	1010·2	1009·2	1007·8	28	E. (2)	E. (3)	E.b.S. (2)	o.g.p. :c.q. : c. : o.g.p.
Seychelles		...	1010·2	...	...	...	W.N.W.	...	...	.....
Tamatave		...	...	1007·6	...	...	...	S. (1)	...	.....
Tananarive		...	..	1008·8	...	...	...	W.N.W.(1)	...	.....
Diégo Suarez		...	...	1000·8	...	...	...	W.S.W. (1)	...	.....
Fort Dauphin		...	...	1009·3	...	...	...	N.E. (4)	...	.....

1916 January 21.

Number of Vessel in Register.	Position at Noon. Lat. (S.)	Position at Noon. Long. (E.)	Atmospheric Pressure. 9 h.	Atmospheric Pressure. Noon.	Atmospheric Pressure. 15 h.	Maximum Temperature. (Fah).	Wind Direction and Force. 9 h.	Wind Direction and Force. Noon.	Wind Direction and Force. 15 h.	Remarks.
	°	°	mbs.	mbs.	mbs.	°				
15290	20¼	57¾	...	1009·5	1008·5	...	E.S.E. (2)	E.S.E. (2)	...	r.q. moderate sea
15296	8½	40½	1010·8	1010·5	1008·1	..	N.E. (4)	N.E. (4)	N.E. (2)	f.
Rodrigues ...			1011·8	...	1010·0	27	E.b.S. (1)	...	E. (4)	c.p. : o·g.r.
Mauritius ...			1008·4	1007·8	1006·4	29	E b.N. (2)	E.N.E. (2)	N.E.b.E. (2)	c.g.p : c.q. : c.p. : c.d.
Seychelles ...			1010·6	...	...	...	N.	...	...	.....
Tamatave ...			...	1006·3	...	...	...	S.S.E. (1)	...	.....
Tananarive ...			...	1008·7	...	...	...	N.W. (1)	...	.....
Diègo Suarez ...			...	1000·8	...	...	...	W.S.W. (1)	...	.....
Fort Dauphin ...			...	1006·1	...	...	...	N.E. (4)	...	.....

1916 January 22.

15290	Mauritius		...	...	...	...	N.E.	...	...	c. mod. sea : anchored
15296	11½	42	1009·1	1009·5	1009·5	...	N.E. (4)	N.E. (1)	N.W. (2)	f. mod. sea : f.
Rodrigues ...			1012·1	...	1010·4	29	E.N.E. (1)	...	E.N.E.	c. : f.
Mauritius ...			1008·4	1008·1	1006·7	30	E.N,E. (1)	N.E.b.E. (1)	N.E.b.E. (1)	o.p. : o.g. : c. : c.p.
Seychelles ...			1009·6	...	...	...	N.E.	...	...	.....
Tamatave ...			...	1005·0	...	...	...	S. (1)	...	.....
Tananarive ...			...	1007·1	...	...	...	N. (1)	...	.....
Diégo Suarez ...			...	1000·8	...	...	...	W.S.W. (1)	...	.....
Fort Dauphin ...			...	1004·9	...	...	...	S. (1)	...	.....

1916 January 23.

15293	25½	38¼	...	1011·8	...	...	E. (4)	E. (4)	E.S.E. (4)	f. swell :c. very high sea
15296	15¼	42	1009·5	1009·1	1009·1	...	W.N.W. (2)	W.N.W. (4)	W.N.W. (4)	c.f. : c.p. mod. S.E. swell
Rodrigues ...			1012·8	...	1012·0	31	E.b.S. (0)	...	N.E.	f.
Mauritius ...			1010·7	1010·2	1009·5	29	E.N.E. (1)	N.E.b.E. (1)	N.E.b.E. (0)	c.p. : c. : c.p.l.t.
Seychelles ...			1010·5	...	...	...	N.	...	...	.....
Tamatave ...			...	1005·4	...	...	...	S.S.W. (3)	...	.....
Tananarive ...			...	...	...	...	...	...	...	.....
Diégo Suarez ...			...	999·8	...	...	...	W.N.W. (2)	...	.....
Fort Dauphin ...			...	1007·0	...	...	...	N.E. (4)	...	.....

1916 January 24.

15292	7¾	41¾	1008·8	1008·1	1006·7	28	N.b.E. (5)	N.b.E. (5)	N.b.E. (5)	f. mod. sea : f.
15293	25¼	41	...	1012·5	1011·8	...	S. (6)	S. (7)	S. (7)	f. mod. sea :c. very high sea
15296	18	39½	1008·4	1008·8	1008·8	...	W.S.W. (4)	W.S.W. (4)	W.S.W. (5)	c. mod. S.E. swell: c.q. high sea
Rodrigues ...			1014·9	...	1013·0	31	E.b.S. (0)	...	E.	f.
Mauritius ...			1012·0	1011·3	1011·7	31	E.b.N. (0)	N.b.E. (1)	S. (0)	o. : c. : f. : c.p.l.t.
Seychelles ...			1010·5	...	...	...	N E.	...	...	.....
Tamatave ...			...	1005·1	...	...	...	N.E. (4)	...	.....
Tananarive ...			...	...	...	...	...	E.N.E. (3)	...	.....
Diégo Suarez ...			...	1000·0	...	...	...	W.N.W. (1)	...	.....
Fort Dauphin ...			...	1007·3	...	...	...	N.E. (5)	...	.....

1916 January 25.

Number of Vessel in Register.	Position at Noon. Lat. (S.)	Position at Noon. Long. (E.)	Atmospheric Pressure. 9 h.	Atmospheric Pressure. Noon.	Atmospheric Pressure. 15 h.	Maximum Temperature.	Wind Direction and Force. 9 h.	Wind Direction and Force. Noon.	Wind Direction and Force. 15 h.	Remarks.
	°	°	mbs.	mbs.	mbs.					
15292	9¾	45¼	1009·8	1009·5	1008 8	28	N.N.E.(5)	N.N.E. (4)	N. (2)	f. mod sea : f. mod. swell
15293	25¾	42¼	1013·2*	1012·2	...	..	S.S.E. (8-9)	S.S.E.(8-9)	S.S.E.(8)	4 a.m. Bar. 1011·5* high rough sea : c. high sea
15296	19½	38	1009·1	1009·1	1008·4	...	S.S.W. (7)	S.S.W. (7)	S.S.W. (6)	c. very high sea: r.q. very high sea
Rodrigues		..	1016·1	...	1014·8	31	S.E.b.E. (0)	...	S.S.E.	c.p. : f.
Mauritius		...	1014·3	1014·1	1013·0	30	S.E.b.S. (0)	S.W.b.W.(0)	N.N.E. (0)	c.l. : c. : o.r.l.t. : f.
Seychelles		...	1011·9	...	...	...	N.E.	...	...	.....
Tamatave		...	...	1009·8	...	...	...	E. (2)	...	.....
Tananarive		...	...	1011·9	...	...	...	N.E. (2)	...	.....
Diégo Suarez		...	...	1002·3	...	...	..	E.N.E. (1)	...	.....

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15292	11½	49	1011·5	1010·8	1008·4	28	S.E.b.S. (4)	S.E.b.E. (4)	S.E.b.E. (4)	f. : f. mod. sea
15293	25¾	43½	...	1014 2	...	...	E.S.E.	E.S.E.	E.S.E.	r.q. high sea: c. high sea wind face at 8 p.m. 8-7 4 p.m. wind and sea increasing
15296	20½	37	1008·1	1008·4	1008·1	...	W.S.W. (6)	W.S.W. (6)	W.S.W. (7)	c.q. rough sea: c.r.q. confused high sea
Rodrigues		...	1016·2	...	1014·6	31	S.E. (1)	...	S.E.	f.
Mauritius		...	1015·6	1014·7	1013·5	29	E.S.E. (1)	E.b.S. (0)	E.b.S. (2)	f. : c.p. : c.
Seychelles		...	1012·5	...	...	...	E.	...	...	.....
Tamatave		...	...	1012·3	...	...	...	N.E. (0)	...	.....
Tananarive		...	...	1014·3	...	...	...	E.N.E. (?)	...	.....
Diégo Suarez		...	...	1002·2	...	...	...	E.S.E. (2)	...	.....
Fort Dauphin		...	...	1014·6	...	...	...	N.E. (4)	...	.....

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.
15283	S.S. Aden	15288	S.S. Strathgyle	15290	Bk. E.J. Spence	15292	S.S. Shirala
15287	Bk. Umvoti	15289	S.S. Induna	15291	S.S. Jehangir	15293	S.S. Kilnsea
						15296	S.S. Tandil

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RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

MARCH, 1916.

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

Director.

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of MARCH 1916.

Month and Day. 1916.	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. Date, 1916.	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	″	
March 1	9.46·1	·23218	·30733	7·6	30	31	Mar. 4	1438	...	...	...	...	11.52·0	12. 3·2	12.12·9	·16	
2	46·2	229	732	6·6	41	26	26	1439	...	...	...	...	4.34·0	4·36·9	4.45·0	...	
3	46·3	209	729	10·4	56	28											
4	45·6	208	731	7·0	36	24											
5	46·0	201	730	11·8	58	41											
6	45·9	206	731	9·2	42	29											
7	45·4	191	734	10·0	32	27											
8	45·1	186	734	11·6	268	51											
9	45·6	157	745	5·0	72	14											
10	46·4	167	740	8·0	81	32											
11	46·4	191	734	8·0	74	33											
12	46·4	198	732	8·4	72	28											
13	46·7	196	731	7·6	24	28											
14	46·9	204	725	7·6	19	34											
15	45·8	202	728	5·8	31	24											
16	46·1	205	726	7·8	35	27											
17	45·3	178	731	5·6	63	18											
18	45·9	173	735	4·0	34	13											
19	46·6	184	731	5·2	36	18											
20	46·3	180	729	8·0	29	27											
21	46·4	185	728	7·8	33	22											
22	46·5	191	725	9·8	20	23											
23	46·7	198	723	7·0	38	19											
24	46·2	191	724	9·4	117	27											
25	45·9	194	723	8·2	78	25											
26	47·1	181	724	6·8	62	17											
27	46·6	190	718	7·2	37	25											
28	45·9	207	713	7·2	27	27											
29	45·2	185	713	12.2	137	35											
30	45·1	152	723	6·2	50	19											
31	45·7	168	720	8·0	93	18											
Mean	9.46·07	·23188	·30728	7·90	58·9	26·5	...	...	...	...	...	...	...	...	...	...	...

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of MARCH 1916.

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	° ′
March 7. 8.15	9·46·2	March 7. 9.7	·23184	March 1.11.14	52·54·4
13.36	9.39·1	12.48	·22204	4.10.28	53·5
14. 8.38	9.50·0	14. 9.17	·23182	8.10.35	55·1
13.39	9.44·5	12.52	·23211	11.10.29	57·1
22. 8. 3	9.50·1	22. 9. 3	·23202	15.10.47	55·5
13.47	9.40·8	12.59	·23211	18.10.48	59·4
30. 8·40	9.46·3	30· 9.42	·23182	22.10.32	53·2
13·47	9.42·2	13. 4	·23140		

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

MARCH 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	9° +																
Midnight	46·0	46·0	45·8	46·0	46·0	46·0	46·2	45·8	46·0	48·0	45·8	46·6	46·2	46·4	46·4	46·6	Midnight
1h	46·2	46·0	46·0	46·6	46·0	47·2	45·8	45·8	46·8	49·8	47·6	46·8	46·4	46·4	47·0	47·0	1h
2	46·2	46·2	46·0	47·8	46·4	46·2	46·6	46·0	46·8	49·8	47·8	46·2	46·4	46·4	46·4	47·0	2
3	46·0	46·4	47·0	46·8	46·4	47·0	47·0	45·8	47·0	47·0	47·2	46·0	46·2	46·2	46·0	46·2	3
4	46·0	46·4	47·0	45·8	46·2	47·4	47·8	45·8	47·6	46·4	45·8	46·2	46·2	46·0	46·0	46·4	4
5	46·2	47·0	47·2	46·6	46·8	47·0	47·6	45·8	47·8	48·6	46·0	46·4	46·4	46·0	46·0	46·4	5
6	46·8	47·2	47·8	47·2	46·4	46·6	45·6	46·2	46·2	47·8	46·2	45·8	46·6	46·2	46·0	46·2	6
7	49·4	49·4	49·8	46·8	48·0	48·0	45·8	47·8	43·8	47·8	47·8	46·8	48·2	47·8	47·2	47·0	7
8	50·6	49·8	50·8	49·4	49·8	49·8	46·2	48·6	44·0	48·2	49·8	49·6	50·0	49·4	47·8	48·0	8
9	50·4	49·6	52·0	47·8	51·8	49·8	46·4	50·8	45·2	48·0	50·0	51·8	50·8	50·8	48·0	49·8	9
10	48·6	48·4	50·0	46·0	50·6	48·6	49·8	51·0	44·6	48·0	49·8	51·0	50·2	51·8	47·8	49·8	10
11	47·4	47·6	46·6	45·2	48·2	47·4	46·8	49·8	43·8	47·4	49·8	48·8	50·0	51·6	48·0	48·8	11
Noon	45·0	45·4	45·4	43·8	46·0	45·8	43·4	47·8	45·4	46·2	48·4	47·6	49·2	49·6	46·0	47·6	Noon
13h	43·8	43·8	43·8	42·4	42·4	42·4	40·4	44·4	43·0	43·6	45·0	45·6	45·8	45·8	44·0	45·0	13h
14	43·4	43·8	42·4	42·6	40·8	41·0	39·8	40·2	42·8	42·4	43·8	44·0	43·8	44·2	43·0	43·8	14
15	43·0	43·2	41·6	43·2	40·0	40·6	41·6	39·4	44·0	41·8	42·0	43·4	43·2	44·6	42·2	42·2	15
16	43·6	43·4	42·6	43·8	42·0	41·8	42·8	39·8	44·4	42·6	42·0	43·4	43·6	45·0	42·2	42·0	16
17	44·0	44·0	43·8	44·8	44·8	44·0	45·4	42·4	44·6	43·8	43·8	43·8	45·0	45·4	43·6	43·6	17
18	45·2	45·4	45·8	45·0	45·8	45·8	45·8	40·6	46·6	45·0	44·6	45·0	45·8	45·8	44·6	44·2	18
19	45·8	45·8	45·4	43·8	45·8	45·8	45·8	40·0	46·2	45·8	45·6	45·8	45·8	45·8	45·8	45·8	19
20	45·8	45·8	45·4	45·8	46·0	45·8	46·2	41·8	46·2	45·8	45·8	45·8	46·0	45·8	45·8	45·8	20
21	45·8	45·8	45·8	45·8	45·8	45·8	46·0	45·6	46·2	46·2	46·0	46·0	46·0	46·0	46·0	46·0	21
22	45·8	45·8	46·4	45·8	46·0	46·0	45·8	45·6	47·0	48·0	46·0	46·0	46·2	46·2	46·0	46·0	22
23	45·8	45·8	46·0	45·8	46·0	46·2	45·8	45·8	47·0	47·4	46·2	46·0	46·4	46·2	46·2	46·4	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	9° +																
Midnight	46·8	47·8	47·6	47·2	44·6	46·8	46·5	46·3	48·5	50·3	47·1	45·9	45·9	46·7	46·1	46·6	Midnight
1h	46·8	47·2	45·8	47·8	46·6	46·4	46·3	46·3	47·3	49·7	47·1	45·9	46·1	47·9	46·1	46·8	1h
2	47·0	47·4	47·4	45·6	47·4	46·0	46·3	45·9	46·9	49·7	46·9	45·9	46·1	45·1	43·9	46·6	2
3	47·0	47·8	48·0	46·2	47·2	46·0	46·1	46·1	45·9	48·7	46·9	45·9	46·1	46·9	46·1	46·6	3
4	46·0	46·0	47·8	47·0	46·4	46·0	46·1	46·1	44·1	47·7	47·1	45·9	46·3	46·7	45·9	46·4	4
5	44·2	46·2	47·2	45·8	44·8	47·0	46·9	46·7	45·5	47·9	46·5	45·9	46·5	43·9	46·1	46·4	5
6	44·8	46·2	46·0	45·8	45·8	47·4	47·3	46·9	45·9	47·9	46·3	45·9	46·7	42·7	46·1	46·3	6
7	44·0	46·0	46·0	46·4	46·4	48·0	47·9	47·3	45·9	49·1	47·5	45·9	48·9	43·9	47·7	47·2	7
8	44·2	45·8	47·8	48·0	47·8	49·8	49·9	48·1	47·9	49·9	48·9	47·3	49·9	44·1	48·3	48·4	8
9	44·4	46·0	49·0	50·0	50·2	51·8	50·9	49·5	49·7	49·9	49·9	48·3	51·5	45·7	50·1	49·4	9
10	44·6	46·0	49·0	49 8	49·8	50·6	50·7	48·7	48·5	49·3	50·1	48·5	50·1	45·9	50·1	49·0	10
11	45·6	45·8	47·6	48·0	47·6	48·0	48·1	47·3	45·9	46·5	49·9	47·9	45·9	44·1	48·7	47·6	11
Noon	46·4	44·4	46·2	47·0	45·8	45·8	45·9	45·1	42·7	45·5	49·5	46·3	43·1	41·9	43·9	45·9	Noon
13h	45·2	44·0	44·4	43·8	43·2	42·8	44·1	41·9	41·5	43·5	46·9	45·7	40·1	42·1	42·1	43·6	13h
14	42·4	43·8	43·8	42·0	42·4	42·0	43·9	40·5	41·7	43·9	43·9	43·9	39·9	42·1	42·3	42·6	14
15	42·0	44·2	44·6	42·6	44·0	43·0	43·9	42·1	42·7	43·5	42·9	42·5	39·3	42·3	42·3	42·5	15
16	42·2	44·6	44·6	44·0	45·4	43·8	44·7	43·9	44·1	44·3	43·7	42·5	40·1	44·1	42·7	43·2	16
17	44·0	45·8	46·0	45·8	46·2	45·8	45·9	45·9	45·9	45·7	43·9	43·5	43·7	45·9	44·1	44·7	17
18	45·8	46·4	46·0	46·0	47·8	46·2	46·1	46·1	46·3	46·1	44·3	44·3	44·3	45·9	44·5	45·4	18
19	46·0	46·4	46·2	46·8	46·6	46·2	47·1	46·7	46·1	46·1	45·5	49·7	43·5	46·1	45·9	45·8	19
20	45·8	46·0	46·2	46·6	46·4	46·4	46·9	46·3	46·3	46·5	45·9	45·9	43·1	46·3	45·9	45·8	20
21	46·0	46·2	47·0	46·6	46·4	46·6	47·1	46·9	47·3	47·3	45·9	45·9	45·5	48·1	46·1	46·2	21
22	47·4	46·2	47·8	48·0	47·2	46·6	46·9	49·9	46·5	46·7	45·9	45·9	45·7	47·5	46·7	46·6	22
23	47·6	46·2	46·0	46·8	46·2	46·2	46·5	48·1	46·7	47·1	45·9	45·9	46·7	46·5	45·9	46·4	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

MARCH 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	213	220	241	203	203	173	184	186	115	122	164	186	194	198	199	194	Midnight
1h	214	220	239	203	202	184	204	191	155	134	159	192	194	199	197	195	1h
2	213	220	229	207	203	207	200	194	154	134	162	202	194	199	198	196	2
3	216	222	241	209	205	200	196	197	154	166	163	200	195	203	201	204	3
4	218	221	232	232	207	201	197	202	160	173	181	201	194	203	198	203	4
5	213	222	226	210	207	204	194	213	153	201	174	195	194	204	200	202	5
6	213	220	223	202	210	205	200	219	172	142	174	198	194	204	198	203	6
7	213	213	222	207	205	204	203	222	185	155	175	194	193	201	197	203	7
8	208	213	215	203	205	202	185	212	176	164	184	190	191	196	194	203	8
9	208	217	203	204	202	194	184	214	187	161	189	184	186	195	194	203	9
10	220	230	203	212	205	203	172	222	171	183	195	187	185	203	206	212	10
11	231	241	203	218	216	218	185	230	174	175	201	194	194	214	219	221	11
Noon	238	251	213	222	232	223	201	228	163	186	215	203	198	212	225	229	Noon
13h	232	254	214	223	232	231	204	282	164	203	233	211	203	211	223	223	13h
14	231	250	213	222	220	228	203	288	150	201	220	209	209	209	214	214	14
15	224	241	204	212	212	223	196	250	135	190	222	207	208	208	205	206	15
16	220	232	198	203	202	220	186	231	163	175	213	206	203	207	203	203	16
17	213	231	188	197	190	203	184	214	149	171	196	212	200	206	200	202	17
18	210	231	188	197	192	208	182	126	148	165	194	212	202	205	197	198	18
19	212	229	206	200	185	207	183	034	153	184	194	195	198	206	198	202	19
20	214	226	185	196	179	212	184	020	142	144	194	194	195	204	200	203	20
21	216	229	196	199	177	201	181	094	151	134	194	194	196	201	195	203	21
22	216	228	194	200	174	203	185	111	129	170	194	195	197	203	194	203	22
23	215	232	203	202	178	185	187	114	164	148	188	194	195	202	194	202	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	202	154	164	171	205	184	192	190	159	164	184	195	212	137	159	182·8	Midnight
1h	211	184	180	167	184	183	193	194	154	144	184	195	212	149	164	186·5	1h
2	212	180	184	202	184	184	194	202	160	177	184	195	212	156	199	191·5	2
3	212	184	182	186	188	194	195	203	164	174	185	196	212	159	175	192·9	3
4	203	174	180	185	189	193	195	198	184	172	184	197	212	155	176	194·2	4
5	213	174	184	186	200	188	194	198	182	165	187	199	213	175	176	195·0	5
6	213	171	183	187	202	191	194	201	183	167	188	202	214	170	180	194·3	6
7	212	179	186	185	194	193	199	203	194	173	191	203	212	166	184	195·7	7
8	205	174	188	184	194	194	203	209	203	174	190	203	217	170	186	194·7	8
9	190	175	189	175	174	190	203	212	223	184	189	207	222	182	194	194·6	9
10	164	174	185	174	175	193	206	212	227	197	185	213	232	179	203	197·7	10
11	145	180	187	178	185	195	217	212	232	200	184	216	206	149	194	200·5	11
Noon	144	188	193	184	177	194	218	226	231	205	192	222	222	144	180	205·1	Noon
13h	172	186	198	193	179	201	221	234	222	206	194	222	231	148	174	210·5	13h
14	171	182	200	185	189	203	220	231	213	195	200	213	231	144	184	207·8	14
15	164	175	194	175	186	193	211	217	202	192	201	210	214	134	179	200·0	15
16	150	174	183	182	184	191	198	211	203	171	196	207	177	132	129	192·0	16
17	155	174	181	182	175	187	186	194	192	174	193	203	135	133	118	185·1	17
18	164	166	184	169	172	188	187	182	194	182	190	207	116	134	110	180·6	18
19	163	166	182	172	185	187	188	175	192	184	192	211	109	134	127	179·1	19
20	164	167	175	165	185	184	185	153	190	181	193	213	094	144	145	175·2	20
21	141	155	164	164	183	186	184	119	191	184	193	212	109	154	154	176·0	21
22	166	154	184	172	178	185	183	122	189	184	193	212	130	145	163	179·2	22
23	159	154	175	174	189	199	185	117	169	184	193	212	135	154	170	179·6	23

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

MARCH 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	738	735	735	734	735	739	739	739	753	750	744	737	734	733	728	732	Midnight
1h	738	735	732	734	734	738	736	739	748	752	743	738	735	733	731	731	1h
2	738	735	732	736	734	734	735	738	748	750	743	737	736	732	731	731	2
3	738	736	735	734	734	734	735	736	747	746	742	737	735	732	731	730	3
4	737	737	735	734	734	734	734	735	746	746	741	737	735	732	732	732	4
5	738	737	735	734	734	734	734	735	747	743	740	737	735	732	732	732	5
6	740	737	737	736	734	734	734	735	743	744	740	736	736	732	732	732	6
7	744	742	744	737	738	739	734	738	741	745	742	738	737	734	732	732	7
8	744	741	744	739	743	742	737	743	748	744	744	743	741	739	732	735	8
9	740	739	744	734	745	739	742	744	749	743	742	743	737	738	731	735	9
10	730	735	735	728	731	729	745	741	748	743	738	738	733	736	729	732	10
11	726	730	727	723	721	725	737	732	751	742	737	730	729	729	728	724	11
Noon	719	722	717	717	711	719	723	721	748	733	724	724	723	718	722	712	Noon
13h	713	716	708	715	704	716	717	711	744	724	714	719	714	709	713	709	13h
14	715	717	706	716	706	713	720	708	740	720	712	715	713	705	709	708	14
15	720	719	707	720	712	716	724	706	740	723	719	718	718	707	713	710	15
16	726	722	712	725	722	722	729	711	740	729	720	721	724	709	718	716	16
17	730	726	723	731	729	729	735	720	739	735	728	725	728	714	724	723	17
18	733	730	729	734	734	732	735	727	740	738	733	729	732	720	730	726	18
19	735	731	730	734	734	732	736	743	742	740	733	731	732	723	732	728	19
20	735	733	731	735	734	734	738	756	744	739	733	733	732	724	732	728	20
21	735	734	735	738	737	734	739	757	746	742	734	733	732	727	732	729	21
22	735	735	739	738	739	738	739	753	748	741	736	734	732	727	732	729	22
23	736	735	736	738	739	738	739	753	752	745	737	734	733	727	732	730	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	728	736	735	734	729	729	729	725	728	731	725	719	714	721	720	732·5	Midnight
1h	726	735	730	734	729	729	728	724	727	731	725	719	715	721	721	732·0	1h
2	726	734	732	730	729	729	726	723	727	730	725	720	715	720	718	731·4	2
3	726	734	732	730	729	726	724	722	726	727	725	720	715	721	720	730·9	3
4	726	734	731	730	729	726	724	722	725	727	725	720	716	723	721	731·0	4
5	726	735	731	730	728	728	724	723	723	727	723	720	716	726	721	731·0	5
6	727	736	732	730	729	729	725	722	725	727	723	719	716	725	722	731·3	6
7	727	736	735	734	732	729	726	722	725	727	723	720	719	725	724	732·9	7
8	728	737	737	738	737	734	729	724	724	728	727	721	722	725	726	735·3	8
9	732	739	738	741	739	735	733	728	724	727	729	721	721	725	726	735·6	9
10	736	740	739	738	734	729	721	728	721	724	724	719	713	720	724	731·6	10
11	740	738	735	730	727	723	718	727	713	719	718	714	707	715	718	726·9	11
Noon	739	731	730	719	722	716	714	727	704	715	709	706	694	710	711	719·3	Noon
13h	732	731	721	714	720	712	714	709	708	714	704	698	689	712	708	713·9	13h
14	726	727	720	715	717	712	715	710	713	718	704	694	689	714	709	713·0	14
15	722	731	722	719	720	716	716	716	721	719	704	697	697	722	710	716·3	15
16	726	731	726	724	724	719	719	722	726	721	706	700	707	726	715	720·6	16
17	731	732	730	727	724	721	722	724	729	723	710	707	716	729	722	725·4	17
18	735	735	730	730	728	723	723	724	727	723	713	711	720	728	724	728·4	18
19	735	736	731	730	728	724	724	725	726	723	717	712	723	728	724	729·7	19
20	735	736	733	732	729	726	725	725	726	723	718	713	724	728	724	730·9	20
21	738	736	735	734	729	729	726	730	726	724	719	714	720	730	724	732·2	21
22	737	736	737	736	731	729	728	736	726	726	720	714	720	725	724	732·9	22
23	736	737	732	731	729	728	729	733	727	725	721	714	720	725	721	732·6	23

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) Highest.	Lowest.	Range.	Mean.	Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. (Centigrade). Mean.	Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
March 1	1005·7	+ 0·9	30·9	22·0	8·9	25·5	−0·1	23·5	22·1	+ 0·2	81	+ 1	26·3	19·4	3·9	10	5·7	4·3
2	1005·9	+ 1·0	28·8	22·8	6·0	25·3	−0·3	22·6	20·7	− 1·2	76	− 4	24·2	19·1	...	...	6·3	3·5
3	1005·0	+ 0·1	29·0	21·6	7·4	25·1	−0·4	22·2	20·2	− 1·7	74	− 6	23·4	18·4	...	...	4·1	3·9
4	1003·8	− 1·2	29·0	19·2	9·8	24·2	−1·3	20·8	18·4	− 3·5	70	−10	21·0	15·8	...	...	4·8	2·5
5	1002·2	− 2·8	30·1	20·6	9·5	24·7	−0·8	21·4	19·0	− 2·9	71	− 9	21·8	17·5	...	...	5·1	3·4
6	1001·9	− 3·2	29·0	18·5	10·5	24·2	−1·3	21·3	19·2	− 2·7	74	− 6	22·0	15·6	...	...	5·8	4·2
7	1002·1	− 3·0	30·4	21·0	9·4	25·5	0·0	23·3	21·8	− 0·1	80	0	25·9	20·4	1·3	15	5·9	5·3
8	1002·8	− 2·4	29·9	23·2	6·7	26·7	+1·3	24·4	22·8	+ 0·9	79	− 1	27·5	21·0	0·3	15	7·0	6·4
9	1004·1	− 1·1	28·6	23·0	5·6	25·7	+0·3	24·4	23·5	+ 1·7	88	+ 8	28·7	22·6	21·7	95	5·1	9·0
10	1006·0	+ 0·7	29·6	24·4	5·2	26·5	+1·1	24·9	23·8	+ 2·0	85	+ 4	29·2	21·3	4·3	10	3·5	7·2
11	1006·3	+ 1·0	29·1	23·1	6·0	25·8	+0·4	23·4	21·7	− 0·1	78	− 3	25·7	21·8	...	...	7·3	4·1
12	1005·7	+ 0·3	29·4	23·3	6·1	25·9	+0·5	23·8	22·3	+ 0·5	81	0	26·7	21·3	1·5	20	6·1	5·9
13	1006·3	+ 0·9	29·0	23·0	6·0	25·7	+0·4	22·9	20·9	− 0·9	75	− 6	24·5	20·4	...	...	4·6	4·3
14	1005·6	+ 0·1	29·5	21·7	7·8	25·3	0·0	22·4	20·4	− 1·3	74	− 7	23·7	19·4	...	...	5·1	5·0
15	1004·6	− 0·9	28·2	20·6	7·6	24·4	−0·9	22·3	20·8	− 0·9	80	− 1	24·3	18·1	...	...	3·3	5·2
16	1005·1	− 0·5	29·9	20·8	9·1	25·2	−0·1	22·9	21·3	− 0·4	79	− 2	25·1	18·1	...	...	5·3	3·6
17	1007·4	+ 1·8	29·2	21·3	7·9	25·4	+0·1	22·7	20·8	− 0·8	76	− 5	24·3	19·0	13·5	20	4·4	4·0
18	1007·9	+ 2·2	28·4	22·2	6·2	24·9	−0·3	22·1	20·1	− 1·5	75	− 6	23·3	19·5	...	...	5·3	2·8
19	1007·3	+ 1·5	29·3	22·1	7·2	25·6	+0·4	22·8	20·8	− 0·8	75	− 6	24·3	19·0	...	...	5·1	2·6
20	1006·6	+ 0·8	30·1	22·6	7·5	25·8	+0·6	23·5	21·9	+ 0·4	79	− 1	26·0	19·2	...	...	5·1	3·4
21	1005·6	− 0·3	29·4	21·9	7·5	25·5	+0·4	23·2	21·6	+ 0·1	79	− 1	25·5	19·0	3·8	65	5·9	4·4
22	1005·5	− 0·4	29·7	22·3	7·4	26·0	+0·9	23·9	22·5	+ 1·1	81	+ 1	27·0	20·7	2·6	20	5·6	5·0
23	1005·2	− 0·8	29·5	21·8	7·7	24·6	−0·5	23·1	22·0	+ 0·6	86	+ 6	26·2	19·4	76·3	70	0·3	4·0
24	1005·1	− 0·9	28·6	20·5	8·1	24·6	−0·5	22·8	21·5	+ 0·2	83	+ 3	25·4	18·3	4·3	10	2·5	3·4
25	1004·4	− 1·7	29·0	20·8	8·2	24·2	−0·8	22·4	21·1	− 0·2	83	+ 3	24·8	18·4	3·6	20	3·3	4·3
26	1003·4	− 2·8	28·6	21·1	7·5	24·7	−0·3	22·7	21·3	0·0	81	+ 1	25·1	18·8	..	...	4·6	4·5
27	1004·5	− 1·7	29·1	22·2	6·9	25·4	+0·4	23·7	22·5	+ 1·3	84	+ 4	27·0	19·6	0·4	10	5·0	3·2
28	1007·5	+ 1·2	30·2	21·7	8·5	25·4	+0·4	23·5	22·2	+ 1·0	83	+ 3	26·5	19·1	2·8	10	4·3	2·9
29	1008·4	+ 2·1	29·8	21·2	8·6	25·0	+0·1	23·7	22·8	+ 1·7	88	+ 8	27·5	19·3	36·5	125	0·4	5·4
30	1006·2	− 0·2	30·2	22·3	7·9	26·0	+1·1	24·1	22·8	+ 1·7	83	+ 3	27·5	20·4	...	...	4·3	5·5
31	1006·4	0·0	29·1	23·4	5·7	25·8	+0·9	23·9	22·6	+ 1·6	82	+ 2	27·1	21·2	2·7	20	5·1	6·8
Mean	1005·3	− 0·3	29·4	21·8	7·6	25·3	0·0	23·1	21·5	− 0·1	79·5	−0·8	25·4	19·4	Sum 179·5	Sum 535	4·7	4·5
Average	1005·6	...	28·8	22·3	6·5	25·3	...	23·1	21·6	...	80·3	...	25·5	20·0	238·1	2717	4·5	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 March.

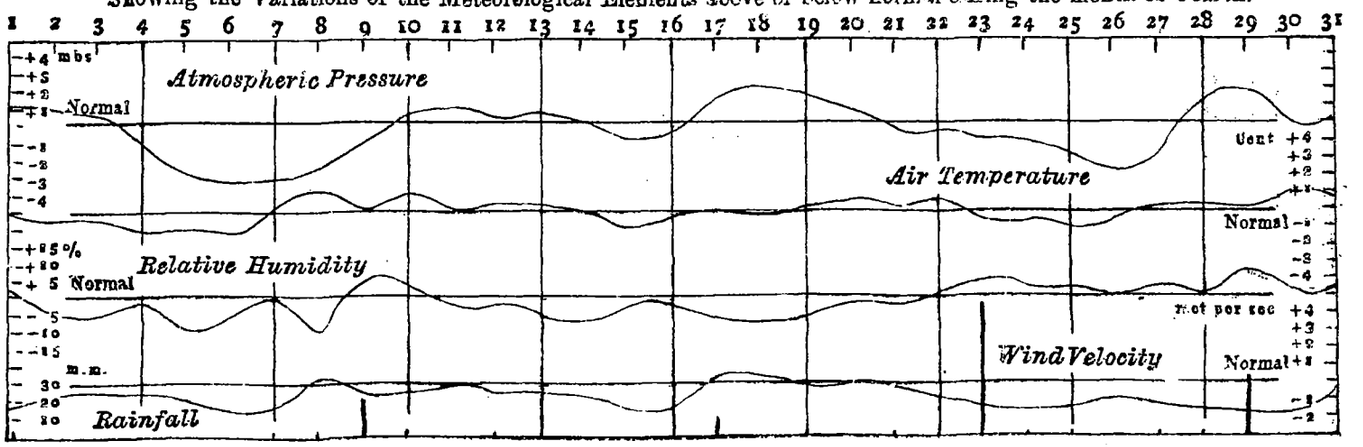

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1916.

Month and Day. 1916.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. 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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
March 1	8·1	65	− 0·3	+ 1·8	81	1·8	+ 2	− 0·5	2·2	− 1·2	25·7	27·2	28·58	28·72	29·49	b. : f. : c. :o.p: c. : f.
2	11·3	91	− 1·2	+ 2·4	63	2·7	− 15	+ 0·4	2·9	− 0·5	25·7	27·3	28·96	29·17	30·22	f. : c. : b. :bq.
3	6·2	50	− 1·6	+ 2·1	53	2·7	− 25	+ 0·4	2·9	− 0·5	25·6	27·2	28·98	28·93	28·99	b.q.: f. : c. : f.
4	8·8	71	− 1·4	+ 1·9	53	2·3	− 25	0·0	2·6	− 0·8	25·8	27·3	28·54	28·30	28·22	f. : b.
5	7·6	61	− 1·6	+ 1·4	41	2·1	− 37	− 0·2	2·6	− 0·8	25·6	27·2	28·49	28·36	28·46	b. : f.
6	8·9	72	0·0	+ 0·9	90	0·9	+ 12	− 1·4	1·8	− 1·6	25·8	27·2	29·31	29·39	29·82	f. : c. : f.
7	9·5	77	+ 0·4	+ 0·8	117	0·9	+ 40	− 1·4	2·2	− 1·2	25·8	27·3	29·56	29·45	29·76	f. : c. : f.
8	9·4	76	+ 3·1	+ 2·1	146	3·7	+ 69	+ 1·4	3·9	+ 0·5	25·7	27·3	29·36	29·30	29·80	f. : c.p. : c. : c.l.p.
9	1·3	11	+ 0·9	+ 1·4	123	1·6	+ 46	− 0·7	2·8	− 0·6	25·7	27·2	29·00	28·67	28·29	c.p. :cr.t: c.g.
10	6·7	54	+ 0·8	+ 2·5	108	2·6	+ 31	+ 0·2	2·9	− 0·5	25·7	27·2	28·32	28·23	28·31	c.l.p. : c.p. : c. : f. : f.l.
11	11·1	90	− 0·3	+ 3·3	85	3·3	+ 8	+ 0·9	3·4	0·0	25·7	27·3	28·52	28·60	29·30	f.l. : f. : c. : f.
12	9·8	80	− 0·3	+ 3·0	84	3·0	+ 8	+ 0·6	3·1	− 0·3	25·8	27·2	28·95	29·04	29·72	c.p. : c. : f.
13	10·3	84	− 1·1	+ 2·8	69	3·0	− 7	+ 0·6	3·1	− 0·3	25·8	27·2	29·47	29·56	29·98	f. : c. : f.
14	7·0	57	− 1·5	+ 2·1	54	2·6	− 22	+ 0·2	2·8	− 0·6	25·8	27·3	29·53	29·39	29·63	c. : f. : c. : b.
15	4·0	33	− 0·7	+ 0·8	49	1·1	− 27	− 1·3	2·0	− 1·4	25·8	27·4	28·95	28·58	28·20	b. : f. : o.g. : f.
16	8·5	70	− 0·9	+ 0·7	38	1·1	− 38	− 1·4	1·9	− 1·4	25·7	27·2	28·78	28·71	29·24	f. : b. : : f.
17	10·8	89	− 1·6	+ 3·4	65	3·8	− 11	+ 1·3	3·9	+ 0·6	25·8	27·3	29·10	29·16	29·98	f.p.: : f. :c.q.p: f.
18	11·1	92	− 1·6	+ 3·4	65	3·8	− 10	+ 1·3	3·8	+ 0·5	25·8	27·3	28·82	28·50	28·34	b. : f. : b.
19	10·8	89	− 1·0	+ 2·8	70	3·0	− 5	+ 0·5	3·1	− 0·2	25·8	27·3	28·72	28·55	29·02	f. : b. : f. : b.
20	9·8	81	− 1·2	+ 2·9	68	3·2	− 7	+ 0·7	3·3	0·0	25·8	27·3	29·09	29·05	29·30	b. : f. f.l.
21	10·5	87	− 0·7	+ 2·9	76	3·0	+ 1	+ 0·5	3·1	− 0·2	25·8	27·4	29·20	29·08	29·18	f.l. : f. : c.p.
22	9·8	81	0·0	+ 2·4	90	2·4	+ 15	− 0·1	2·6	− 0·7	25·9	27·3	29·11	29·18	29·69	c.p.: f. : c. : f. :c.t: f.
23	6·3	52	− 0·7	+ 1·6	66	1·7	− 8	− 0·8	2·0	− 1·3	26·0	27·3	28·76	28·15	27·04	b. : f. : o.r.t. : f. : b.
24	7·2	60	− 0·8	+ 1·3	58	1·6	− 16	− 1·0	1·7	− 1·6	26·1	27·4	27·44	27·04	26·69	b. : c. :cr.t: f. : f.l.
25	6·5	54	− 1·3	+ 1·2	43	1·7	− 31	− 0·9	1·9	− 1·4	26·0	27·3	27·47	27·23	26·78	f. :o.r.t. : f.
26	9·3	77	− 0·3	+ 2·3	83	2·3	+ 9	− 0·3	2·4	− 0·9	26·0	27·4	27·65	27·36	27·75	b. : c. : f. : c. : f.
27	8·6	72	+ 0·4	+ 1·8	103	1·8	+ 29	− 0·8	2·2	− 1·1	26·0	27·4	28·06	27·89	28·00	f. : c.p. : b.
28	7·7	65	− 0·6	+ 1·2	63	1·3	− 11	− 1·3	1·9	− 1·4	26·0	27·4	28·29	28·27	28·79	b. : c. :c.p: b.
29	4·5	38	− 0·5	− 0·2	339	0·6	+265	− 2·0	1·6	− 1·7	25·9	27·4	28·08	27·91	27·21	b. : o.g.r. : c.
30	7·6	64	+ 0·1	+ 1·6	94	1·6	+ 21	− 1·1	2·0	− 1·3	26·1	27·4	28·01	27·99	28·38	f. : c. : f.l.
31	7·5	63	+ 0·1	+ 2·9	92	2·9	+ 19	+ 0·2	3·0	− 0·3	26·0	27·4	28·28	28·73	29·03	c.l.p. :c.p.: f. : c. : c.l.p.t.
Mean -	8·27	67·9	− 0·50	+ 1·98	75·8	2·04	0·0	−0·41	2·63	−0·72	25·83	27·30	28·69	28·60	28·79	...
Average	6·95	56·8	− 0·60	+ 2·38	75·8	2·45	...	...	3·35	...	25·33	27·18	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The characteristic features of the weather during the month of March were:—absence of cyclonic disturbances, defective rainfall and irregular distribution—both chronological and geographical—and the generally slight variations in all elements. From an agricultural point of view the conditions were generally unfavourable.

Pressure was 0·3 millibars below normal, temperature was normal, humidity 0·8 % and rainfall 25 % below normal.

The mean soil temperature was 0°·4 centigrade lower than that for the corresponding period last year.

The highest dew point temperature was 25°·3 at 14h. on the 29th; and the lowest 16°·8 at 6h. on the 6th.

The highest relative humidity was 99·5 % at 7h. on the 10th; and the lowest 61 % at 12h. on the 4th.

The percentage variation from the normal in the different districts of the Island was as follows:—

Northern Districts	River System 1,	39 % below
Eastern Districts	,, ,, 2, 3, 4.	43 % below
South-Eastern Districts	,, ,, 5 & 6	43 % below
Western Districts	River System 11	43 % below
	,, ,, 12	31 % below
	,, ,, 13	3 % below

(April 24, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is* 181 *feet above mean sea-level.*)

MARCH 1916.

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	0061	0070	0058	0061	0038	0023	0034	0035	0043	0052	0067	0064	0070	0069	0058	0055	Midnight
1h	0060	0064	0049	0054	0034	0016	0027	0029	0037	0051	0064	0056	0064	0066	0052	0049	1h
2	0053	0058	0040	0046	0028	0011	0024	0023	0034	0050	0061	0057	0061	0063	0049	0045	2
3	0047	0053	0031	0041	0024	0011	0015	0017	0023	0047	0054	0053	0055	0055	0043	0041	3
4	0046	0052	0033	0040	0023	0010	0014	0014	0024	0047	0052	0051	0054	0055	0042	0040	4
5	0050	0054	0040	0041	0023	0012	0014	0017	0030	0051	0054	0054	0055	0057	0042	0041	5
6	0053	0056	0044	0043	0024	0012	0014	0019	0033	0054	0056	0054	0058	0060	0043	0045	8
7	0057	0060	0052	0047	0029	0018	0018	0023	0042	0062	0063	0060	0065	0062	0047	0050	7
8	0061	0068	0059	0051	0030	0023	0021	0026	0043	0067	0069	0063	0072	0067	0052	0053	8
9	0062	0070	0062	0051	0032	0027	0023	0033	0049	0071	0073	0067	0073	0069	0053	0055	9
10	0066	0070	0065	0050	0029	0030	0025	0034	0048	0073	0074	0067	0073	0066	0052	0055	10
11	0064	0065	0063	0044	0023	0029	0023	0033	0049	0071	0070	0063	0072	0064	0049	0052	11
Noon	0061	0061	0059	0039	0020	0026	0021	0030	0049	0065	0066	0059	0065	0058	0043	0049	Noon
13h	0051	0055	0054	0033	0013	0021	0014	0029	0041	0058	0062	0052	0059	0051	0039	0044	13h
14	0044	0048	0048	0027	0013	0013	0011	0026	0039	0051	0057	0047	0055	0047	0034	0042	14
15	0044	0045	0044	0022	0008	0007	0010	0020	0034	0047	0053	0043	0053	0042	0034	0040	15
16	0044	0046	0042	0020	0005	0004	0009	0020	0032	0049	0050	0043	0053	0040	0034	0041	16
17	0050	0047	0042	0021	0008	0004	0011	0020	0036	0053	0047	0044	0053	0042	0036	0044	17
18	0057	0050	0043	0024	0012	0011	0014	0023	0040	0060	0049	0050	0059	0043	0041	0050	18
19	0062	0058	0046	0029	0016	0016	0021	0030	0042	0065	0054	0055	0064	0047	0044	0057	19
20	0065	0066	0050	0034	0021	0020	0028	0034	0047	0070	0057	0062	0067	0053	0050	0063	20
21	0070	0069	0057	0038	0026	0029	0034	0040	0051	0075	0063	0068	0072	0059	0056	0071	21
22	0073	0070	0066	0042	0027	0033	0036	0046	0054	0076	0065	0072	0073	0063	0059	0071	22
23	0073	0064	0064	0039	0026	0037	0037	0044	0052	0074	0064	0071	0072	0060	0057	0070	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	0069	0086	0089	0082	0069	0066	0066	0060	0052	0046	0041	0064	0092	0079	0071	0061	Midnight
1h	0067	0080	0083	0075	0064	0056	0060	0052	0048	0041	0036	0063	0089	0075	0063	0056	1h
2	0063	0078	0080	0070	0061	0052	0052	0049	0043	0036	0033	0061	0083	0064	0061	0051	2
3	0062	0072	0073	0065	0053	0051	0046	0044	0037	0032	0029	0058	0082	0056	0054	0046	3
4	0063	0071	0070	0063	0053	0046	0043	0044	0037	0032	0029	0059	0080	0053	0050	0045	4
5	0067	0072	0069	0064	0055	0049	0044	0046	0036	0032	0032	0062	0079	0058	0053	0047	5
6	0074	0076	0073	0066	0058	0051	0048	0051	0043	0036	0038	0069	0083	0057	0063	0050	6
7	0079	0081	0077	0072	0061	0057	0054	0054	0045	0040	0044	0074	0091	0063	0066	0055	7
8	0083	0085	0080	0074	0064	0057	0060	0058	0052	0042	0050	0083	0094	0066	0070	0059	8
9	0083	0085	0080	0077	0068	0061	0063	0060	0054	0043	0051	0086	0096	0077	0073	0062	9
10	0082	0084	0079	0077	0065	0060	0061	0059	0053	0042	0049	0085	0095	0075	0071	0062	10
11	0074	0083	0078	0074	0063	0060	0055	0056	0047	0039	0048	0083	0092	0061	0068	0059	11
Noon	0074	0081	0073	0067	0057	0055	0049	0051	0044	0032	0044	0077	0087	0055	0065	0054	Noon
13h	0068	0074	0064	0061	0049	0052	0045	0043	0043	0023	0038	0069	0080	0054	0061	0048	13h
14	0064	0070	0060	0054	0042	0046	0043	0040	0035	0021	0036	0066	0075	0050	0055	0044	14
15	0062	0068	0056	0052	0038	0043	0042	0040	0030	0020	0034	0063	0071	0044	0054	0041	15
16	0063	0068	0056	0052	0040	0043	0039	0041	0032	0022	0037	0067	0073	0045	0052	0041	16
17	0068	0071	0060	0052	0042	0043	0040	0043	0034	0022	0039	0072	0076	0048	0055	0043	17
18	0073	0074	0064	0053	0044	0051	0043	0049	0038	0026	0046	0075	0079	0054	0060	0047	18
19	0075	0081	0071	0058	0053	0056	0050	0053	0044	0033	0054	0082	0082	0062	0065	0052	19
20	0083	0084	0076	0063	0059	0063	0056	0058	0049	0040	0059	0089	0087	0071	0072	0058	20
21	0089	0091	0082	0070	0065	0072	0062	0058	0052	0042	0064	0093	0089	0072	0076	0063	21
22	0090	0091	0083	0070	0068	0072	0063	0057	0053	0044	0064	0095	0089	0073	0076	0065	22
23	0088	0092	0082	0069	0066	0070	0062	0055	0050	0043	0065	0093	0083	0072	0075	0063	23

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

Hour. \ Day.	MARCH 1916.																															
	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	1	0	3	0	2	9	0	7	10	2	7	3	9	2	2	5	5	5	5	2	10	0	0	0	2	2	1	2	3	6	3·4
1h	1	1	1	2	2	4	4	0	2	10	4	7	0	10	1	5	3	0	3	1	3	8	1	0	3	1	0	0	0	2	7	2·8
2	1	3	0	3	3	0	3	2	9	9	3	8	4	10	2	5	3	3	4	1	3	10	1	2	5	1	3	1	0	3	7	3·6
3	0	4	1	2	1	2	4	2	9	9	3	9	3	7	4	2	3	1	0	0	3	5	1	0	1	4	1	0	0	4	2	2·8
4	1	2	0	1	0	2	3	3	10	9	3	10	2	6	0	1	3	1	0	0	5	5	1	0	1	5	1	0	0	3	2	2·6
5	1	3	2	2	1	2	4	4	9	9	4	8	2	7	1	1	3	1	0	1	2	6	1	0	1	6	2	0	0	3	7	3·0
6	1	9	2	3	2	3	7	7	10	9	4	6	5	7	1	2	3	2	1	2	1	7	1	0	2	6	1	0	1	3	7	3·7
7	2	5	5	3	3	3	7	7	9	9	5	7	6	4	4	2	3	4	1	1	1	8	1	1	3	7	3	0	2	4	7	4·1
8	2	6	5	4	3	3	7	7	10	9	3	8	6	3	4	1	4	3	2	1	2	6	3	1	3	7	5	2	2	5	5	4·3
9	5	6	6	1	2	4	4	8	10	9	7	6	4	2	5	1	4	4	3	5	5	4	4	1	5	6	5	5	5	9	4	4·8
10	5	7	6	1	4	5	10	8	10	10	7	5	6	3	6	2	5	5	3	4	6	5	6	7	4	4	2	4	7	10	6	5·6
11	6	8	6	2	5	5	9	8	10	9	7	5	8	5	8	3	5	5	4	3	6	6	6	8	7	5	7	6	8	9	5	6·3
Noon	6	6	7	3	5	4	9	8	9	9	7	5	8	5	9	3	5	6	7	5	6	4	7	8	10	6	7	6	9	8	6	6·5
13h	4	6	7	6	5	5	9	8	9	9	5	6	7	6	7	7	5	6	5	5	5	4	10	9	10	6	7	6	10	8	7	6·7
14	8	7	7	6	5	5	8	8	9	8	6	5	5	8	8	7	5	5	6	6	4	5	10	8	10	7	8	7	10	8	7	7·0
15	7	2	7	7	6	7	7	8	9	5	4	6	3	7	10	4	4	6	5	7	3	7	10	8	7	7	7	9	10	8	8	6·6
16	8	1	6	5	6	8	7	7	9	4	4	5	3	7	10	5	3	1	3	6	6	6	8	5	6	7	6	10	10	7	9	6·1
17	10	2	5	4	7	8	5	7	9	3	3	5	3	6	10	4	3	1	3	6	6	5	7	6	6	5	6	7	10	6	10	5·7
18	10	1	5	3	6	7	6	7	9	4	1	5	4	4	10	5	3	2	4	3	6	4	5	3	6	3	2	3	9	4	10	5·0
19	9	1	5	1	4	5	3	8	9	8	0	4	5	2	10	5	3	1	0	2	6	3	4	3	3	1	0	2	7	3	8	4·0
20	5	0	0	0	4	7	0	9	9	2	0	3	3	1	5	5	5	1	0	4	3	2	4	3	2	0	0	0	8	3	8	3·1
21	5	1	0	0	3	1	0	8	10	2	2	3	3	1	2	4	10	1	0	5	4	3	2	2	4	1	0	0	7	3	6	3·0
22	3	2	4	0	3	1	3	9	10	6	5	5	2	2	4	4	4	2	1	6	4	2	1	4	0	6	1	1	6	7	9	3·8
23	2	1	4	0	0	5	3	7	9	5	6	5	5	1	2	4	2	2	2	4	10	1	1	2	2	4	1	0	6	7	10	3·6

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

Hour* Ending. \ Day.	MARCH 1916.																															
	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	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	0	0·0
7	45	47	13	47	52	47	31	24	0	2	32	5	38	31	30	36	38	29	43	37	45	0	45	45	42	35	32	44	32	17	0	16·1
8	60	60	58	60	60	60	60	46	0	0	60	25	44	60	20	60	60	60	60	60	60	28	60	60	60	60	37	59	60	55	40	25·9
9	60	60	58	60	60	60	60	55	0	40	53	60	60	60	60	60	60	60	60	60	60	60	60	60	47	60	30	60	5	30	60	27·3
10	60	57	55	60	60	60	47	50	3	5	60	60	59	60	54	60	60	60	60	60	60	60	60	60	48	60	60	60	30	33	59	27·3
11	60	60	59	60	60	60	35	60	4	31	59	60	28	60	16	58	60	60	60	60	53	60	55	32	50	60	60	60	12	15	60	25·4
Noon	60	60	60	55	40	60	53	60	3	57	60	60	59	60	42	60	60	60	60	60	58	60	36	0	2	60	58	60	30	10	59	25·4
13h	60	60	27	35	60	46	12	60	0	55	60	60	60	60	1	43	60	60	60	60	50	60	0	13	7	60	60	60	32	60	59	23·3
14	60	60	11	45	60	33	60	58	0	58	60	60	60	4	4	32	60	60	59	60	60	60	0	33	4	60	40	31	15	60	60	22·0
15	53	60	5	20	0	38	50	50	27	60	60	60	60	3	12	32	60	59	43	38	60	60	0	15	36	57	32	0	47	29	55	19·1
16	20	60	12	10	5	12	60	58	38	55	60	60	60	0	0	27	60	60	60	30	47	54	11	42	55	31	42	6	2	59	0	18·0
17	5	60	13	43	0	27	60	45	0	40	60	46	60	7	0	15	48	60	60	59	55	60	24	58	34	3	32	8	0	60	0	17·4
18	5	36	3	30	0	30	43	0	0	0	40	30	31	17	0	27	25	38	24	1	23	28	25	15	3	15	30	12	6	30	0	9·3
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	0	0·0

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 256·5 hours; the corresponding period during which the sun was above the horizon was 377·3 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

MARCH 1916.

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	22·5	21·6	23·2	22·6	21·8	20·5	22·0	20·3	21·0	19·6	21·7	19·5	22·0	20·7	24·0	23·0
1h	22·4	21·6	23·0	22·3	22·0	20·6	21·5	20·0	20·9	19·7	21·1	19·5	21·8	20·5	24·0	23·1
2	22·3	21·5	22·9	22·0	22·5	21·2	21·0	19·9	21·0	20·0	21·0	19·2	21·5	20·2	24·0	23·3
3	22·2	21·5	22·8	21·8	23·4	21·4	20·7	19·4	21·3	20·3	20·0	18·5	21·4	20·2	24·2	23·3
4	22·2	21·4	22·8	21·7	23·8	21·5	20·2	19·0	20·7	19·6	19·3	18·1	21·7	20·4	23·6	22·6
5	22·1	21·4	23·0	21·8	22·7	21·4	19·3	18·1	21·3	20·0	18·9	17·8	21·1	20·3	24·1	23·2
6	22·1	21·4	23·3	21·7	22·4	21·4	19·9	18·3	21·4	20·0	19·0	19·5	21·0	20·1	24·2	23·1
7	22·5	21·6	24·0	22·0	23·0	22·0	22·3	20·0	23·0	21·7	21·0	22·0	23·5	22·0	25·0	23·9
8	25·0	23·0	25·0	23·0	26·0	23·3	25·6	22·0	25·5	22·6	25·0	22·7	26·1	23·5	25·6	24·9
9	27·7	24·4	27·7	23·8	27·9	23·6	26·5	22·2	27·3	23·1	26·9	22·3	27·5	24·5	27·4	24·9
10	28·5	24·9	28·0	24·0	28·2	23·8	28·0	22·1	28·1	23·2	27·0	23·8	27·3	24·6	28·0	24·7
11	29·5	25·2	28·5	24·3	28·8	23·4	28·6	22·0	28·9	23·5	28·9	23·9	27·6	24·9	29·3	25·5
Noon	30·0	25·7	28·7	24·5	29·0	23·9	29·0	22·2	29·0	23·8	29·0	24·2	29·1	25·9	29·4	25·5
13h	30·5	26·0	28·8	24·3	28·9	23·8	28·9	22·9	29·7	24·6	28·7	24·6	27·9	25·2	29·0	24·9
14	30·0	25·5	28·8	24·0	28·1	24·2	28·1	22·8	30·0	24·6	28·5	23·9	28·7	25·7	29·8	25·4
15	28·9	25·2	28·7	23·6	27·5	23·4	27·9	22·6	27·4	23·0	28·0	23·9	29·9	25·9	29·1	25·2
16	27·5	25·0	28·0	23·2	26·9	23·0	26·9	22·2	26·9	22·3	27·9	23·9	30·4	25·9	29·0	24·9
17	26·8	24·7	27·0	22·8	26·4	22·1	26·2	21·7	26·8	22·0	27·7	23·1	28·9	25·2	28·0	24·9
18	26·2	24·4	26·0	22·6	25·7	21·9	25·6	20·7	25·6	20·5	25·9	22·9	27·9	24·7	26·9	24·6
19	25·8	24·0	25·2	22·5	24·5	21·6	23·9	20·7	24·2	20·4	24·9	21·6	26·5	24·4	26·8	24·8
20	25·0	23·5	24·2	22·3	24·0	21·2	23·1	20·2	23·7	19·9	23·6	21·4	26·0	24·0	27·0	24·4
21	23·9	23·0	23·1	21·6	23·0	21·4	22·9	20·2	23·0	19·8	23·1	21·1	25·0	23·5	27·0	24·5
22	23·7	22·9	22·5	21·0	23·0	21·2	21·9	20·0	22·7	19·9	21·8	20·1	24·1	23·0	27·0	24·5
23	23·5	22·8	22·1	20·8	22·1	20·7	20·9	19·6	22·0	19·5	21·5	20·2	24·0	22·9	26·9	24·9

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	26·2	24·7	25·0	24·1	24·9	24·0	23·6	22·8	23·9	23·0	24·0	22·2	23·1	21·8	22·0	21·0
1h	25·7	24·6	25·0	24·6	24·8	23·9	24·0	22·9	23·9	22·6	23·8	22·2	22·8	21·6	22·0	21·0
2	25·5	24·0	25·1	24·6	24·4	23·5	24·0	23·0	23·2	22·4	23·2	21·6	22·3	21·0	22·0	21·0
3	25·5	24·1	25·1	24·5	24·2	23·2	24·0	22·9	23·1	22·3	23·1	21·3	21·5	20·5	21·5	20·8
4	25·8	24·3	25·1	24·6	23·7	22·6	24·0	23·1	23·6	22·6	23·0	21·5	21·7	20·7	21·6	20·7
5	25·0	24·1	24·5	24·0	23·3	22·1	23·6	22·9	23·0	22·3	22·0	21·0	21·6	21·0	21·0	20·4
6	24·9	24·0	24·8	24·0	23·1	22·3	23·3	22·8	23·0	22·4	22·0	21·0	20·7	20·0	21·0	20·4
7	23·0	22·4	25·0	24·9	24·0	22·7	24·0	23·5	25·0	23·3	24·0	22·5	22·0	21·0	22·5	22·0
8	23·6	23·0	26·0	25·0	26·9	24·5	25·2	24·5	26·5	23·4	26·6	23·3	24·3	22·5	25·0	23·2
9	24·9	24·5	27·2	25·9	27·0	24·3	27·8	25·0	27·7	23·9	27·7	23·3	27·2	23·7	27·5	24·4
10	27·5	26·0	26·0	24·6	28·0	24·4	28·0	24·6	28·6	24·0	28·3	23·6	27·3	23·6	28·5	25·0
11	28·0	26·0	27·7	25·7	28·7	24·4	29·0	24·9	27·6	23·9	28·6	23·9	27·5	24·0	29·9	25·2
Noon	28·3	25·9	29·0	26·4	28·3	24·8	29·0	24·6	28·6	24·0	28·9	23·9	27·2	24·0	29·4	24·8
13h	27·3	25·3	29·6	26·2	29·0	24·5	29·4	24·9	28·9	23·7	29·5	23·7	27·0	23·8	29·0	24·2
14	26·5	24·8	29·3	25·9	29·0	24·3	29·4	24·4	29·0	23·6	28·0	23·9	27·7	23·8	28·0	24·6
15	26·0	24·8	29·5	25·8	28·9	24·1	28·9	24·9	28·9	23·4	26·9	23·9	27·9	23·9	27·9	24·6
16	27·9	25·9	29·4	25·2	27·9	23·9	28·5	24·7	28·4	22·4	27·0	23·2	25·9	23·0	28·4	24·1
17	28·0	25·6	28·0	25·3	26·9	23·1	27·3	24·2	27·6	22·8	26·5	22·8	24·9	22·6	27·9	24·8
18	25·6	23·9	27·0	24·9	26·0	22·5	26·3	24·0	26·4	22·8	25·9	22·3	25·0	22·9	26·9	23·8
19	24·9	23·9	26·1	24·8	24·6	22·5	25·6	23·9	24·9	22·5	24·2	21·9	24·9	22·9	25·5	22·9
20	25·0	24·0	26·0	24·3	24·3	22·5	25·0	23·7	24·0	22·2	23·4	21·5	24·4	22·6	25·0	22·9
21	25·0	23·5	25·2	24·2	24·0	22·5	24·5	23·3	24·0	22·2	23·3	21·3	23·7	21·9	24·4	22·8
22	24·5	23·3	25·0	24·0	24·0	23·0	24·3	23·2	24·0	22·2	23·6	21·6	22·6	21·5	24·0	22·6
23	24·1	23·8	25·0	24·0	24·0	23·0	24·0	23·0	23·7	22·1	23·3	21·0	22·0	21·0	23·9	22·7

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

(*To obtain temperatures in the Absolute Scale add* 273°)

MARCH 1916.

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

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

MARCH 1916.

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	896	918	887	913	891	908	889	928	886	914	882	927	894	914	906	913	Midnight
1h	893	915	887	913	895	912	891	921	885	915	885	923	894	914	906	914	1h
2	894	914	889	911	885	923	893	917	881	919	886	921	893	916	905	911	2
3	892	918	886	914	879	932	893	916	887	913	892	908	893	917	907	916	3
4	893	916	885	915	881	929	892	918	883	911	887	913	892	919	906	915	4
5	894	915	878	914	893	917	887	919	881	912	890	915	890	925	907	917	5
6	896	909	878	914	889	916	879	921	882	912	888	919	893	916	908	918	6
7	896	910	878	914	890	915	886	914	882	908	890	915	886	921	921	921	7
8	890	924	878	922	887	919	876	916	889	908	890	914	882	927	940	926	8
9	900	931	873	927	878	932	872	928	883	925	894	913	879	931	945	918	9
10	906	927	883	941	881	928	882	927	894	928	892	910	894	931	957	924	10
11	907	932	877	934	887	933	890	923	890	925	914	886	905	924	967	928	11
Noon	906	931	880	948	878	922	884	900	885	885	922	878	923	910	972	930	Noon
13h	911	929	890	947	876	924	904	918	881	881	919	887	886	879	970	914	13h
14	910	925	891	946	890	886	904	921	900	866	915	910	921	886	952	921	14
15	908	919	892	939	884	884	889	926	908	919	917	897	924	884	958	924	15
16	912	918	892	940	883	926	878	922	886	922	912	891	931	888	954	922	16
17	925	905	893	936	878	922	880	930	888	919	907	910	927	889	941	941	17
18	870	912	889	927	874	926	879	932	875	925	905	912	921	896	940	926	18
19	881	913	892	919	868	921	883	917	876	924	907	915	914	900	921	921	19
20	887	913	894	915	876	924	875	917	875	925	903	915	911	900	919	919	20
21	889	911	895	911	892	938	881	912	875	925	900	914	911	900	915	915	21
22	888	912	895	911	889	929	895	917	872	928	900	918	908	908	912	919	22
23	887	913	894	915	893	935	886	914	885	915	893	916	908	910	915	915	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	925	925	900	928	900	928	892	918	896	920	887	919	882	918	887	913	Midnight
1h	916	924	900	917	900	935	894	930	894	915	888	918	888	919	889	911	1h
2	923	923	904	920	900	937	896	918	893	916	879	921	893	915	882	918	2
3	915	915	904	918	900	920	897	915	892	919	881	913	890	914	887	913	3
4	921	921	909	922	900	924	900	922	889	929	887	913	891	913	889	911	4
5	930	912	908	920	900	931	893	916	896	921	889	911	900	912	882	918	5
6	919	912	907	915	896	931	893	917	892	920	890	910	900	913	892	908	6
7	941	917	904	918	900	921	890	923	885	924	885	915	892	920	896	904	7
8	897	917	914	922	914	939	890	924	889	928	878	922	894	915	895	905	8
9	893	909	919	928	900	934	893	935	878	933	882	944	886	922	894	906	9
10	940	916	913	932	900	940	900	944	886	936	883	941	891	909	904	910	10
11	931	931	935	914	892	941	909	944	892	938	875	938	907	916	900	875	11
Noon	934	914	929	919	908	938	900	942	914	935	909	943	894	873	885	862	Noon
13h	933	913	925	925	892	937	916	940	885	937	879	931	911	874	878	867	13h
14	888	881	916	940	900	939	914	936	891	942	877	905	895	876	892	920	14
15	879	900	919	928	900	943	900	940	876	936	892	881	900	888	895	911	15
16	889	889	912	931	890	949	891	943	892	938	882	908	878	878	891	891	16
17	924	905	913	933	887	949	892	941	885	937	883	925	882	927	911	917	17
18	877	885	906	927	895	933	888	940	882	927	883	925	889	928	883	926	18
19	892	908	890	925	889	926	889	931	889	927	889	917	896	919	882	918	19
20	894	927	893	933	890	926	894	929	892	919	889	926	893	915	892	918	20
21	892	918	895	926	889	925	896	930	892	919	891	922	893	915	900	918	21
22	887	933	889	926	889	927	895	921	887	933	890	925	890	915	893	915	22
23	893	933	900	934		928		924	883	925	880	920	892	911	892	908	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs, and are published to the nearest metre*).

MARCH 1916.

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	886		878		887		889		892		886		900		892	
1h	892	914	885	933	889	919	890	911	893	919	889	922	900	913	888	918
2	889	910	881	924	889	917	888	923	896	917	888	917	900	916	890	919
3	888	917	887	928	888	916	887	918	893	918	890	918	896	918	891	914
4	893	919	878	919	887	918	887	919	893	915	886	924	894	919	890	913
5	893	909	887	932	888	919	889	919	893	916	895	922	894	915	887	910
6	890	910	888	934	885	918	889	917	893	915	892	925	893	915	882	913
7	889	915	893	930	886	923	886	917	886	915	895	918	895	916	891	918
8	885	917	882	936	880	914	879	922	879	922	882	912	895	911	894	909
9	883	938	881	944	885	930	876	932	882	931	900	927	896	911	896	906
10	882	941	875	946	890	937	883	936	900	945	900	944	895	921	893	906
11	872	944	876	961	883	950	900	943	883	948	900	944	907	923	894	909
Noon	861	941	880	957	891	942	900	945	916	943	900	936	900	936	915	913
13h	900	939	870	948	900	943	900	947	900	939	922	933	863	928	912	907
14	861	955	882	945	900	941	900	952	900	948	923	932	874	892	893	912
15	887	939	900	944	891	944	900	949	889	955	914	935	878	911	877	932
16	869	962	883	949	890	945	884	944	900	956	911	935	892	909	888	923
17	889	946	891	941	892	948	877	939	900	938	923	927	895	903	888	902
18	876	953	878	943	894	939	883	934	889	942	907	919	900	923	894	909
19	889	936	889	922	893	931	885	926	883	928	903	915	900	914	893	915
20	883	928	888	917	893	916	887	924	894	926	900	913	897	921	891	915
21	900	942	887	918	893	917	885	919	892	913	897	916	892	916	893	913
22	884	951	889	919	888	916	887	923	891	919	897	915	895	919	889	905
23	883	940	887	917	889	919	890	920	893	921	897	914	892	911	890	916
		941		919		917		923		916		913		920		914

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	884		886		897		893		892		881		889		891	
1h	888	900	888	921	893	917	893	917	890	908	882	908	893	927	890	918
2	887	912	890	919	893	916	893	916	889	910	891	904	892	915	892	917
3	886	913	891	915	894	917	893	915	890	911	890	907	891	919	892	918
4	894	914	894	913	894	913	894	916	888	908	887	908	889	921	892	916
5	889	906	892	915	895	913	894	915	892	912	885	909	890	928	893	917
6	888	911	892	918	896	912	890	914	892	908	888	910	900	948	892	918
7	883	912	894	918	893	920	892	915	895	908	893	912	900	947	893	917
8	890	911	890	914	882	916	891	911	895	905	900	915	900	938	891	917
9	890	904	887	923	900	918	896	913	892	905	904	935	908	940	892	922
10	894	915	886	933	911	923	908	920	906	908	900	919	909	941	898	927
11	889	913	887	934	913	929	908	919	904	886	921	918	913	942	901	929
Noon	870	917	907	932	917	933	916	919	919	882	922	931	914	932	904	927
13h	883	900	913	935	919	925	911	916	910	887	918	933	912	934	903	921
14	875	903	900	932	925	929	911	926	908	885	921	918	912	931	901	919
15	886	905	914	932	917	925	885	916	911	882	912	914	900	930	900	920
16	876	910	900	934	922	926	882	915	907	871	912	918	906	935	897	921
17	886	924	905	931	923	922	890	873	894	884	918	918	900	930	899	919
18	893	921	907	922	915	913	882	896	895	885	908	912	900	925	893	923
19	893	916	904	915	907	907	889	900	893	889	903	908	900	922	893	919
20	890	915	903	918	911	903	887	905	876	895	907	905	900	920	893	917
21	885	915	904	913	894	908	886	906	882	905	896	910	900	919	893	918
22	890	915	900	920	892	914	886	914	877	908	896	920	896	924	893	919
23	888	918	895	917	894	918	889	914	880	905	894	918	908	921	892	919
				925		913		911		904		914		920	892	919

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

MARCH 1916.

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

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

TABLE XIII.—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 1916.

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

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of MARCH 1916.

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	29·0	28·6	28·3	28·1	27·8	28·2	28·9	29·4	28·4	28·2	27·6	27·3	27·8	29·2	30·3	30·2	27·6	26·7	25·9	26·0	31·3	34·2	33·0	30·6
2	29·5	29·1	28·7	28·4	28·2	28·5	29·3	29·7	29·6	28·8	28·2	27·8	28·0	29·3	30·9	30·8	28·8	30·1	26·5	26·3	30·3	34·2	34·0	31·5
3	29·8	29·5	29·0	28·6	28·4	28·5	29·0	29·4	29·6	29·1	28·4	28·0	28·1	29·2	29·8	29·6	29·0	27·3	26·5	26·5	30·0	32·0	31·4	29·3
4	29·2	28·8	28·3	28·2	27·9	28·1	28·6	29·1	29·1	28·2	27·5	27·1	27·2	28·5	29·5	29·5	29·0	26·2	25·0	25·1	29·1	31·7	31·5	29·2
5	29·1	28·6	28·4	27·7	27·6	28·0	28·8	29·1	28·7	27·9	27·5	26·8	27·0	29·1	29·9	29·7	27·1	25·9	25·3	25·3	28·5	33·6	32·0	29·9
6	30·1	29·5	29·1	28·7	27·7	29·0	29·9	30·3	29·3	29·1	28·3	27·9	27·0	30·3	31·4	31·2	27·5	27·5	26·5	26·8	28·8	35·3	34·3	31·1
7	30·4	29·9	29·4	29·0	28·8	29·1	29·8	30·1	30·3	29·3	28·7	28·2	28·4	29·9	30·6	30·2	29·2	27·8	26·6	26·7	31·2	34·1	32·2	29·9
8	30·3	29·6	29·2	28·8	28·7	28·8	29·5	30·0	30·2	29·2	28·6	28·2	28·4	29·3	30·4	30·3	30·0	28·0	27·1	27·2	30·0	33·1	32·7	30·5
9	30·2	29·7	29·3	28·9	28·4	28·4	28·6	29·0	29·5	29·3	28·7	28·0	27·8	28·5	28·8	29·0	29·8	28·7	26·8	26·5	28·0	28·7	29·7	28·5
10	29·2	28·4	28·1	28·0	27·9	27·9	28·3	28·7	29·1	28·0	27·6	27·4	27·5	28·0	29·0	29·1	29·1	26·6	26·2	26·5	27·6	30·2	31·1	29·1
11	29·4	28·5	28·2	28·0	27·8	28·0	28·9	29·5	29·6	28·0	27·4	27·2	27·4	28·7	30·2	30·1	29·2	26·4	25·6	26·0	29·6	33·5	33·3	30·3
12	29·4	29·1	28·7	28·4	28·1	28·4	29·2	29·9	30·1	28·5	28·0	27·7	27·8	29·2	30·8	30·7	30·3	26·9	26·2	26·2	29·7	34·5	34·3	31·1
13	30·1	29·5	29·1	28·7	29·0	29·0	29·8	30·3	29·3	29·1	28·3	27·9	28·4	30·3	31·4	31·2	27·5	27·5	26·5	26·8	29·6	35·3	34·3	31·6
14	30·3	29·9	29·4	29·0	28·8	29·1	29·8	30·1	30·3	29·3	28·7	28·2	28·4	30·0	30·6	30·2	29·2	27·8	26·6	26·7	31·2	34·1	32·2	29·9
15	29·8	29·4	28·9	28·6	28·3	28·6	28·9	29·1	29·2	28·7	28·0	27·5	27·8	28·6	29·3	29·3	27·8	26·6	25·7	25·8	29·2	30·6	30·6	29·2
16	29·7	28·7	28·3	28·0	27·9	28·4	29·2	29·8	29·7	27·9	27·4	27·0	27·5	29·4	30·3	30·2	27·8	26·1	25·1	25·5	30·3	34·0	33·3	30·5
17	29·8	29·3	29·0	28·6	28·3	28·6	29·4	29·9	30·2	28·9	28·2	27·7	27·9	29·3	30·7	30·8	30·5	27·3	26·0	26·1	31·0	34·3	34·4	31·5
18	29·9	29·1	28·6	28·3	28·1	28·3	28·9	29·4	29·2	28·4	27·7	27·3	27·4	28·6	29·7	29·6	27·8	26·3	25·1	25·3	28·5	32·3	32·3	29·3
19	29·9	28·9	28.5	28·0	27·8	28·1	29·0	29·6	29·5	28·0	27·5	27·0	27·2	28·6	30·2	30·3	27·5	25·9	25·2	25·3	29·2	33·8	33·6	31·1
20	29·7	29·3	28·9	28·5	28·2	28·6	29·3	29·9	29·6	28·8	28·2	27·6	27·9	29·4	30·6	30·4	28·5	27·2	26·1	26·2	27·5	34·9	33·3	30·7
21	30·2	29·4	29·0	28·8	28·3	28·8	29·4	29·9	29·3	29·0	28·3	27·9	28·0	29·2	30·4	30·4	28·4	27·5	26·5	26·5	27·7	33·3	33·1	30·5
22	29·8	29·3	28·8	28·5	28·3	28·8	29·4	29·8	29·5	28·8	28·1	27·8	28·2	29·6	30·7	30·5	28·7	27·2	26·2	26·5	30·4	34·3	33·3	30·7
23	30·0	29·5	29·0	28·6	28·4	28·9	28·5	28·2	29·9	29·1	28·3	27·8	28·1	28·6	27·2	27·2	29·0	27·4	26·2	26·3	30·6	25·9	26·6	26·2
24	28·1	27·6	27·3	27·0	26·9	27·2	27·6	27·9	27·6	26·4	26·1	25·8	26·3	27·2	28·0	28·1	25·1	24·3	23·8	24·1	28·3	29·2	29·5	27·9
25	28·1	27·7	27·4	27·1	26·9	27·3	27·6	27·8	28·3	27·0	26·4	26·1	26·3	27·4	28·0	28·1	27·5	25·1	24·1	24·3	28·1	28·7	29·5	27·6
26	27·9	27·6	27·4	27·0	26·9	27·2	28·0	29·1	27·5	27·0	26·5	26·0	26·3	27·6	29·0	29·0	26·1	25·1	24·2	24·6	28·1	32·4	31·5	29·2
27	29·2	28·2	27·8	27·5	27·4	27·6	28·2	28·7	28·0	27·7	27·0	26·7	26·9	28·2	29·1	28·9	27·8	23·6	25·1	25·3	29·3	32·1	31·3	29·0
28	28 7	28·4	28·1	27·7	27·6	28·0	28·7	29·1	29·0	27·8	27·3	26·9	27·2	28·9	29·7	29·4	29·0	26·3	25·3	25·7	30·1	33·8	31·5	29·2
29	28·8	28·5	28·1	27·7	27·5	27·7	28·4	28·1	28·6	27·9	27·5	26·8	27·0	28·1	29·1	28·0	26·9	25·8	25·1	25·1	28·0	30·5	28·0	27·5
30	28·2	28·1	27·9	27·7	27·5	27·7	28·3	28·7	29·2	27·3	27·2	26·8	27·2	28·0	29·1	29·1	28·2	26·2	25·3	25·8	28·7	31·7	31·2	29·3
31	28·1	28·4	28·0	27·9	27·7	28·1	28·5	29·0	29·1	28·0	27·4	27·5	28·8	29·6	29·6	29·7	29·3	26·6	25·8	26·0	29·5	33·5	32·4	29·8
Mean	29·42	28·91	28·52	28·20	27·97	28·29	28·90	29·31	29·22	28·35	27·77	27·36	27·59	28·90	29·81	29·71	28·36	26·71	25·75	25·90	29·33	32·57	31·98	29·73

* Direct. ** Retrograde. § One revolution direct.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of MARCH 1916.

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.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
March. 1d		...	...	...	...	...	...		0·2	54·6	19·0	...	...	...	...	...
2		...	...	1·3	20·1	2·2	41·7		43·7	...	...	4·3	10·4	2·8	6·3	...
3		...	...	...	...	...	...		...	...	...	...	...	...	2·8	...
4		...	...	...	...	...	...		...	...	...	...	...	...	...	...
5		...	...	...	...	...	...		...	...	...	...	...	...	...	...
6		...	...	...	...	...	...		...	...	...	...	...	...	...	...
7		...	...	...	...	...	...		...	71·6	...	...	...	6·3	97·0	20·0
8		0·8	13·0	...	1·8	11·9	26·4		17·3	24·2	64·8	...	1·5	19·6	...	10·0
9		17·1	4·5	27·4	5·1	37·6	19·8		20·1	43·4	19·7	3·0	35·1	15·2	26·7	16·7
10		11·2	3·0	16·0	12·7	33·5	25·4		35·0	2·5	41·4	19·8	24·6	...	42·2	1·1
11		3·0	...	13·5	10·7	4·8	1·0		...	...	...	...	2·5	...	...	5·4
12		0·3	...	2·5	0·5	4·1	...		4·8	27·9	1·8	...	9·7	2·0	0·5	...
13		3·3	...	0·2	0·2	1·5	4·1		4·6	8·9	13·2	9·1	1·0	4·1	...	6·0
14		...	...	0·3	...	1·0	6·6		3·6	1·8	2·5	7·6	13·2	2·5	4·3	0·7
15		2·7	...	...	...	...	...		...	14·7	3·0	1·3	0·8	...	...	...
16		7·6	10·6	2·5	...	...	...		...	12·7	...	1·3	4·3	6·3	...	3·0
17		5·8	2·2	9·9	0·8	22·6	0·5		6·1	8·6	...	...	10·4	2·5	...	0·4
18		4·7	...	3·8	12·2	1·1	3·0		2·8	...	4·8	...	6·1	6·3	2·5	...
19		...	...	...	...	...	...		...	1·3	...	...	...	...	...	...
20		...	...	...	...	...	...		0·5	2·5	1·5	...	3·0	3·0	2·6	3·0
21		...	18·9	0·5	0·2	...	5·2		7·9	1·3	9·1	11·4	5·6	1·5	2·3	1·0
22		7·3	...	27·2	13·5	16·0	21·3		34·3	...	3·8	1·5	16·3	5·1	4·8	...
23		...	2·5	...	...	0·8	1·5		12·9	...	...	0·8	...	...	...	...
24		...	...	1·8	56·4	62·7	...		...	...	...	0·5	...	4·6	...	6·2
25		...	...	...	6·6	20·1	...		...	2·6	0·8	1·8	1·3	13·2	8·6	...
26		...	...	0·2	13·7	13·2	...		2·3	...	10·9	9·6	...	7·6	32·8	3·0
27		2·4	5·5	2·0	...	...	2·3		3·0	...	3·8	46·5	3·0	...	3·0	3·0
28		7·7	...	0·3	0·8	0·5	1·5		4·1	...	0·8	2·8	6·3	8·9	10·9	...
29		...	19·2	...	...	4·2	...		...	16·0	...	2·8	15·8	...	...	16·8
30		3·8	...	5·3	62·7	31·2	...		...	16·0	10·7	7·9	...	3·8	2·9	9·0
31		1·1	1·0	3·6	3·5	...	...		0·8	...	8·9	7·1	1·0	...	3·0	1·1
Total ...	...	78·8	82·4	118·3	221·5	269·0	160·3	...	204·0	310·6	220·5	139·1	171·9	115·3	253·2	106·4

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of MARCH 1916.

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.	Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens.	Tamarin.	Réunion.	Mare aux Vacoas. §	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
March 1d	...	...	0·8	...	...	...	...	...	...	...		...	0·6	32·3		0·5
2	...	8·9	17·8	...	...	...	1·5	...	...	...		...	2·5	...		...
3	...	...	...	...	...	...	...	...	...	...		...	0·8	...		...
4	...	...	2·5	...	...	...	...	...	...	...		...	0·1	...		...
5	2·0	...	...	...	...	...	...	...	...	...		...	...	...		...
6	...	...	...	...	...	...	...	...	...	...		...	0·2	...		...
7	...	...	...	...	...	...	1·8	...	...	...		48·2	0·0	12·7		...
8	6·4	9·9	5·6	28·4	8·0	4·3	1·3	...	...	9·4		...	10·5	29·5		5·3
9	14·0	16·5	10·7	40·4	5·0	17·3	3·3	9·7	15·2	7·4		12·7	12·8	37·8		6·3
10	37·0	36·8	55·4	7·6	6·5	15·5	12·2	15·7	...	57·9		35·6	31·2	2·5		20·3
11	3·0	3·8	1·0	...	6·5	8·4	12·2	11·7	3·3	1·0		...	0·4	3·0		6·6
12	6·0	15·5	5·8	6·1	8·0	24·1	5·1	...	...	...		7·6	...	2·0		3·6
13	11·0	2·5	17·8	5·1	10·0	...	1·8	...	0·8	4·6		...	0·7	3·8		..
14	3·0	10·7	3·1	...	4·5	...	...	3·0	5·1	...		...	0·6	...		1·8
15	1·5	7·9	3·8	3·0	5·0	...	...	15·7	...	4·1		...	0·1	13·2		0·2
16	1·0	4·1	2·6	1·3	1·5	...	7·9	...	...	4·1		...	0·1	6·6		...
17	0·5	3·3	6·3	...	1·0	...	5·1	...	...	5·8		...	5·1	12·5		...
18	2·0	1·0	7·6	...	2·0	...	...	...	...	...		...	0·5	...		...
19	...	...	...	...	...	...	...	...	3·8	...		...	...	...		...
20	2·0	1·0	...	...	2·5	...	1·3	...	...	...		...	0·3	...		...
21	6·0	...	7·2	...	1·0	3·0	...	...	...	...		...	0·2	20·9		...
22	7·0	9·4	22·8	1·3	10·5	8·9	...	...	2·0	...		...	1·7	...		...
23	2·0	...	1·0	...	0·5	...	11·9	...	...	...		...	0·6	28·2		2·0
24	...	4·6	...	...	1·5	...	...	22·4	15·2	41·4		45·7	13·6	19·0		1·8
25	...	15·0	15·2	...	13·5	...	1·8	7·6	14·2	17·8		12·7	0·7	21·8		2·5
26	...	15·5	2·5	7·4	...	3·8	9·6	15·7	4·3	8·6		50·8	28·0	...		34·3
27	...	...	5·1	20·3	...	53·6	5·1	38·0	48·3	18·0		25·4	11·2	0·5		1·8
28	55·5	18·5	7·6	1·3	22·5	13·7	73·9	23·4	3·6	0·8		12·7	13·3	20·4		0·5
29	1·5	5·1	8·1	10·4	...	121·7	3·0	19·6	2·3	12·4		11·7	26·0	1·8		144·8
30	90·5	34·0	33·6	36·8	74·0	10·1	60·9	3·0	3·6	2·3		...	0·8	8·6		59·5
31	5·0	5·1	1·5	10·7	5·0	16·5	0·5	...	...	2·8		1·3	0·7	...		44·7
Total ...	256·9	229·1	245·4	180·1	189·0	300·9	220·2	185·5	121·7	198·4	...	264·4	163·3	277·1	...	336·5

Observations discontinued temporarily.

* Residence. § Record not received.

TABLE XVI.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
MARCH 1916.

Royal Alfred Observatory, Pamplemousses.

Hour Ending. \ Day.	1d.	7d.	8d.	9d.	10d.	12d.	17d.	21d.	22d.	23d.	24d.	25d.	27d.	28d.	29d.	31d.
	mm.	mm.	mm.	mm.	mm.	mm.	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	3·3	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	0·1	...	0·2	...	...	1·3	...	...	...	...	...	...	...
4	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...
5	...	...	...	1·7	...	1·0	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	1·3	...	...	...	...	...	...	1·8
7	...	...	...	7·6	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	3·3	...	...	...	...	...	...	...	...	...	...	...	0·1
9	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	4·3	...	...	...	...	...	...	...	0·3	...	...	...
11	...	0·3	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	5·6	...	...	...	...	...	10·2	4·3	0·5	...	...	0·4	...
14	...	...	...	...	...	...	...	...	...	61·0	...	3·1	...	...	1·5	...
15	...	...	...	...	...	...	...	...	...	5·1	...	...	...	...	0·1	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8	8·9	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24·6	...
18	3·9	...	...	...	...	...	...	...	...	...	...	...	0·1	...	1·0	...
19	...	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	13·5	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	0·1	...	...	...	...	2·5	...	...	...	...	...	...	...	...
Midnight	...	...	0·1	...	...	...	...	0·5	...	...	...	...	...	...	...	0·8

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

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of MARCH, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	1	Mare Sèche	20	1·80	45·7	135·6	10
	2	Union *	200	1·87	47·5	...	15
	3	St. Antoine	50	3·10	78·8	208·8	15
	4	Belmont...	50	2·88	73·1	226·6	13
	5	Poudre d'Or	20	4·14	105·2	196·8	13
	6	Poudre d'Or Hospital ...	10	1·25	31·7	149·6	5
	7	Mon Loisir (R) ...	300	3·03	77·0	207·3	13
	8	Mon Loisir S.E. ...	300	4·55	115·6	203·9	6
	9	Forbach	300	3·53	89·6	142·5	12
	10	Labourdonnais	290	3·25	82·4	256·0	10
	11	Beau Séjour	300	4·66	118·3	321·5	18
	12	Mont Piton	860	5·19	131·8	307·1	19
	13	Mon Choix	700	5·64	143 2	302·2	16
	14	Antoinette	640	9·22	234·2	301·0	17
	15	California	850	11·14	282·9	314·2	13
	16	Nouvelle Découverte ...	1,400	10·59	269·0	359·6	18
	17	Mon Songe	620	11·40	289·6	332·0	19
	18	La Grande Rosalie ...	643	9·30	236·2	301·7	14
	19	The Mount	325	7·92	201·2	246·1	12
	20	Botanic Gardens ...	325	8·71	221·5	259·6	17
	21	Beau Plan	195	7·60	193·0	241·3	12
	23	The Observatory ...	179	6·99	177·6	238·1	16
	23	Solitude...	175	6·01	152·7	178·3	11
	24	St. André	90	6·20	157·5	188·2	8
	25	Belle Vue Harel ...	350	3·80	96·5	143·0	9
	26	Mon Choisy *	10	3·65	92·7	164·6	14
	27	Belle Vue Pilot * ...	...	4·02	102·1	...	16
	28	Rosalie §	...	...	...	...	13
	29	Constance §	...	...	..	...	11
	30	Belle Vue Maurel * ...	...	5·85	148·6	..	13
	31	Esperance (Trébuchet) *	...	4·78	121·4	...	11
	32	Schœnfeld *	...	2·89	73·4	...	10
	33	Industrie *	...	6·52	165·6	...	15
	34	St. François Estate * ...	...	4·44	112·8	...	10
	35	Réunion Estate * ...	...	2·81	71·4	...	11
	36	Souvenir *	...	9·55	242·0	...	8
	37	Mon Rocher *	...	4·87	123·7	...	13
	38	Bon Espoir § *	...	...	...	...	...
	39	Ile d'Ambre *	...	3·42	86·9	...	11
	40	La Salette *	...	1·35	34·2	...	6
	41	Leclézio Mapou * ...	...	2·65	67·3	...	9
2 & 3	1	Union Régnard ...	600	7·07	179·6	308·3	18
	2	La Grande Retraite ...	350	6·03	153·2	323·2	14
	3	Constance d'Arifat § ...	100	...	...	...	...
	4	St. Julien Church ...	1,050	8·03	204·0	332·2	18
	5	Rich Fund *	600	6·31	160·3	...	14
	6	Constance (Manès) * ...	...	3·68	93·5	...	12
	7	Queen Victoria * ...	...	5·57	141·5	...	17
	8	Belle Mare *	...	3·71	94·3	...	10
	9	Constance La Gaieté *...	..	3·61	91·7	...	14
	10	Bel Etang (Lesur,* ...	...	12·28	311·9	...	15
	11	Bon Espoir *	...	7·43	188·7	...	11
	12	Belle Vue (Allendy) *...	...	4·94	125·5	...	14
4	1	Sans Souci	900	12·23	310·6	512·8	17
	2	Etoile	400	8·68	220·5	401·3	18
	3	Beau Champ	20	5·48	139·1	242·0	18
	4	Belle Rive *	400	6·93	176·0	...	20
	5	Olivia *	400	8·41	213·6	...	18
	6	Deep River *	350	6·97	177·0	...	14
	7	Unité *	..	8·55	217·2	...	17
	8	Belle Rose Estate * ...	...	5·02	127·5	...	12
	9	La Lucie Estate * ...	...	6·13	155·7	...	16
	10	La Lucie (Residence)*...	...	5·97	151·6	...	17
	11	Melrose		10·21	259·4	...	10
	12	Bonne Veine	...	14·15	359·4	...	20
5	1	Rose Belle *	850	6·77	171·9	...	20
	2	Cent Gaulettes	500	11·71	297·4	531·9	20
	3	St. Hubert *	400	12·57	319·3	...	21
	4	Riche-en-Eau	460	4·55	115·3	366·0	18
	5	Ferney	20	9·97	253·2	388·4	17
	6	Beau Vallon	60	4·19	106·4	244·9	17
	7	Union Vale	200	5·93	150·6	339·6	14
	8	Mon Désert (Carié) * ...	75	4·19	106·4	...	15
	9	Riche Bois *	1,420	9·22	234·2	...	20
	10	Cluny *	1,000	10·21	259·3	...	21
	11	Virginia Estate * ...	...	5·31	134·9	...	14
	12	Eau Bleue *	...	9·11	231·4	...	25
	13	Union Park *	...	8·95	227·3	...	22
	14	Plaisance Estate * ..	...	4·08	103·6	...	14
	15	Sauveterre Estate * ...	...	6·21	157·7	...	18
	16	Deux Bras Estate * ...	...	8·46	214·9	...	15
6	1	Kanaka	2,000	12·32	312·9	522·7	21
	2	Tivoli	1,300	13·40	340·4	476·2	21
	3	La Flora *	1,050	9·66	245·4	...	24
	4	Britannia (No. 1) ...	730	9·02	229·1	418·3	21
	4a	Britannia (No. 2)* ...	600	3·35	85·1	...	25
	5	Gros Bois	500	6·23	158·2	326·6	19
	6	Savannah (Residence) ...	200	5·07	128·8	434·1	14
	7	Savannah (Mill) ...	200	4·78	121·4	385·0	15
	8	St. Aubin	300	10·11	256·9	296·9	20
	9	Union B. A. St.Félix S.E.	90	16·40	416·6	281·4	7
	10	Beau Bois	350	7·45	189·0	397·7	20
	11	Labarracq (Resid.)* ...	250	7·09	180·1	...	14
	12	St. Avold *	900	14·01	355·8	...	20
	13	Terracine *	100	12·28	312·0	...	18
	14	Labarracq (Mill) * ...	250	7·51	190·7	...	14
	15	St. Felix Sugar Estate *.	...	13·83	351·3	...	12
	16	Bel Air *	...	7·14	181·4	...	15
	17	Chamonny *	...	17·89	454·4	...	15
	18	Union S.E. *	...	10·71	272·0	...	14
	19	Fontenelle *	...	9·25	235·0	...	10
	20	Combo *	...	12·39	314·7	...	13
	21	St. Felix Wilson * ...	...	8·91	226·3	...	15
7 & 8	1	Bel Ombre *	50	11·85	300·9	...	14
	2	Chamarel	400	8·67	220·2	226·3	19
	3	Beau Champ *	...	13·30	337·8	...	13
	4	Board *	...	13·26	336·8	...	12
	5	Ste. Marie *	...	13·96	354·6	...	10
	6	Médine Estate * ...	...	8·01	203·4	...	16
	7	Albion Estate * ...	...	2·05	52·1	...	7
	8	Anna Estate *	...	8·33	211·6	...	11
	9	Pierre Fond Estate * ...	...	6·46	164·1	...	10
10		No returns.					
11	1	Les Gorges	...	8·72	221·5	243·1	13
	2	Curepipe Gardens ...	1,840	7·88	200·1	448·3	19
	3	Mare aux Vacoas ...	1,850	11.18	284·0	...	29
	4	La Marie Filter Bed ...	1,700	9·63	244·6	437·9	18
	5	Réunion...	1,420	7·81	198·4	371·3	16
	6	Tamarin *	150	4·79	121·7	...	13
	7	Clarens*	150	7·31	185·5	...	12
	8	Les Salines (B.R.)* ...	...	5·09	129·3	...	12
	9	Terrain Bonnefin † ...	...	11·02	284·5	...	27
	10	Chebel Estate *	...	8·75	222·2	...	12
12	1	The Manse	850	8 86	225·0	264·7	15
	2	The Bower	1,080	10·98	278·9	309·5	18
	3	Le Réduit (D. of A.) ...	1,000	6·42	163 3	279·7	27
	4	Alma	1,460	10·91	277·1	506·7	19
	5	Minissy *	1,150	8·38	212·8	...	15
	6	Bagatelle	1,250	7·95	202·0	399·5	20
	7	Highlands	1,300	74·3	188·7	343·9	19
	8	Trianon	950	8·91	226·3	286·5	17
	9	Salency	923	10·41	264·4	293·6	11
	10	Military Camp § ...	1,370	...	...	...	...
	11	La Ferme *	350	13·25	336·5	...	17
	12	Bon Air...	1,050	9·61	244·1	307·3	14
	13	Val Ory...	1,100	9·13	231·9	304·5	20
	14	Pieter Both Estate * ...	...	8·76	222·5	...	10
	15	Rosyln Cottage Estate *	...	9·30	236·2	...	9
	16	Agrément Estate * ...	...	8·89	225·8	...	9
	17	Circonstance Estate * ...	...	9·21	233·9	...	9
	18	Le Réduit Grounds * ...	...	9·63	244·6	...	13
	19	Stanley *	...	8·63	219·2	...	14
	20	Ebène *	....	10 40	264·2	...	11
	21	Mon Rêve *	...	6·96	176·8	...	10
	22	Béga *	...	7·40	188·0	...	12
	23	Bassin *...	...	6·87	174·5	...	12
	24	Hermitage *	...	8·88	225·5	...	19
	25	Côte d'Or *	...	7·76	197·1	...	15
	26	Mon Repos *	...	11·15	283·2	...	11
13	1	Salines (R.B.) § ...	10	...	...	...	...
	2	The Albion Dock ...	18	7·40	187·9	182·6	10
	3	Line Barracks§... ...	10	...	...	...	...

* Normals not available § Record not received 4 a Bon Acceuil ‡ Casela † A station at Mare aux Vacoas Reservoir.

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 1916.	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	calm	calm
2	,,	mod.	,,	,,	,,	,,	,,	,,
3	,,	calm	,,	,,	,,	,,	,,	,,
4	Slight N.W.	,,	...	,,	,,	,,	,,	,,
5	light N.W.	,,	...	,,	,,	mod.	,,	,,
6	calm	,,	calm	,,	,,	,,	,,	,,
7	,,	,,	,,	,,	,,	heavy	,,	,,
8	,,	,,	,,	,,	...	mod.	,,	,,
9	,,	,,	,,	,,	calm	,,	,,	,,
10	,,	slight	,,	,,	,,	calm	,,	,,
11	,,	calm	,,	,,	,,	,,	,,	,,
12	...	,,	,,	,,	,,	,,	,,	,,
13	calm	...	...	,,	,,	,,	,,	,,
14	...	calm	calm	,,	,,	,,	,,	,,
15	...	,,	,,	,,	,,	,,	,,	,,
16	calm	,,	,,	,,	,,	,,	,,	,,
17	,,	,,	,,	,,	,,	,,	,,	,,
18	,,	,,	...	,,	,,	,,	,,	,,
19	...	,,	calm	,,	,,	...	,,	,,
20	calm	...	,,	,,	,,	calm	,,	,,
21	,,	calm	,,	,,	,,	mod.	,,	,,
22	,,	,,	,,	,,	,,	,,	,,	,,
23	,,	,,	,,	,,	,,	calm	,,	,,
24	...	,,	,,	,,	,,	mod.	,,	,,
25	calm	,,	,,	,,	,,	,,	,,	,,
26	...	...	,,	,,	,,	calm	,,	,,
27	calm	calm	...	,,	,,	,,	,,	,,
28	,,	,,	...	,,	,,	,,	,,	,,
29	,,	mod.	calm	,,	,,	,,	,,	,,
30	,,	,,	,,	,,	,,	choppy	,,	,,
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.

(*Altitude* 140 *feet above sea level.*)

Day 1916.	Barometric Pressure at 9 a.m. (corrected for Temperature and reduced to L 45°.)	Wind. Direction at 9 a.m.	Wind. Mean Wind Velocity.	Amount of Rain measured at 9. a.m.	Weather.
	mbs.		met p. sec	mm.	
March 1	1007·2	E.b.S.	1·8	9·1	c. with occ : rain.
2	1006·5	S.b.E.	1·6	6·8	fine
3	1005·2	E.	1·4	15·2	variable.
4	1005·1	E.b.N.	2·6	0·2	fine.
5	1004·2	N.E.	2·1	1·0	,,
6	1003·6	N.E.	1·2	2·0	var : & showery.
7	1005·1	E.b.N.	1·6	1·8	fine.
8	1006·0	E.b.N.	2·9	1·3	,,
9	1007·7	E.b.N.	5·6	4·3	variable.
10	.....	.....	...	...	.....
11	.....	.....	...	...	.....
12	1007·3	N.E.	3·8	0·2	fine.
13	1007·8	N.E.	2·1	0·2	,,
14	1007·0	E.	1·5	...	,,
15	1005·2	E.S.E.	1·7	...	,,
16	1005·2	N.E.b.N	1·3	0·2	,,
17	1007·8	S.E.	1·0	0·5	,,
18	1008·9	E.	1·7	12·4	variable.
19	1008·4	E.S.E.	2·3	10 4	fine.
20	1008·7	E.S.E.	2·9	30·5	var : & showery.
21	1007·1	E.	3·2	0·2	fine.
22	1008·1	E.N.E.	3·0	...	,,
23	1007·4	N.E.	3·6	0·2	,,
24	1006·9	N.b.E.	2·2	...	,,
25	1005·2	N.E.b.E.	1·7	4·1	,,
26	1005·5	East	1·1	2·3	cloudy.
27	1008·0	S.E.	1·5	11·4	fine.
28	1008·2	E.b.S.	0·8	2·3	,,
29	1011·0	S.W.	3·7	4·8	var : & showery.
30	1009·2	East	4·0	1·3	fine.
31	1008·7	E.b.S.	2·7	...	cloudy.
Mean	1007·0	...	2·3	12·27	.....

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RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

APRIL, 1916.

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

DIRECTOR.

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of APRIL 1916.

Month and Day. 1916.	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. Date, 1916.	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	9.45·5	·23175	·30715	6·2	48	24	April 6	1440	0.49·9	1. 4·2	1.25·0	...	...	...	...	...	Movement beginning abruptly with large waves.
2	45·6	188	710	6·2	25	33	7	1441	...	...	16.51·2	...	...	...	16.53·2	...	
3	46·1	195	709	8·0	30	29	7	1442	18.34·9	18.38·8	18.44·6	·24	18.37·0	18.38·5	18.47·2	·12	
4	46·2	207	703	9·6	47	35	9	1443	...	23.14·9	...	...	23.12·8	23·15·6	23.21·2	·12	
5	46·1	207	701	10·6	20	37	15	1444	...	16.55·6	...	...	...	...	...	...	
6	46·1	210	703	11·2	41	25	21	1445	15.55·1	15.56·7	16.16·3	·40	15.53·8	15.58·0	16.57·4	·19	
7	46·4	207	704	9·0	35	19	24	1446	...	...	...	...	12.22·6	13.21·3	14.17·5	·60	Movements faint and irregular in N-S.
8	46·1	193	704	9·8	75	20	26	1447	...	...	...	...	6.54·1	7.40·3	8.20·4	·48	
9	46·1	194	703	7·8	28	20											
10	46·3	203	700	9·2	20	26											
11	46·6	203	700	8·6	44	28											
12	46·5	201	702	6·6	31	20											
13	46·8	207	698	8·0	35	30											
14	47·0	215	695	7·6	21	27											
15	47·0	202	697	5·6	88	22											
16	46·4	194	701	4·4	57	14											
17	46·5	208	698	6·2	55	25											
18	46·9	187	718	4·2	58	55											
19	46·2	203	735	4·8	60	33											
20	46·7	214	735	7·4	44	24											
21	46·6	213	739	6·6	40	32											
22	46·6	212	743	7·4	30	24											
23	46·7	209	739	6·4	36	36											
24	46·1	212	742	7·8	41	24											
25	47·0	199	742	10·6	147	63											
26	46·4	166	752	7·4	67	33											
27	47·1	174	754	8·2	54	30											
28	45·3	176	756	4·6	47	23											
29	46·3	153	754	7·2	130	27											
30	47·0	185	746	7·4	56	43											
Mean	9.46·41	·23197	·30720	7·49	50·3	29·4	...	...	...	...	...	...	...	...	...	...	...

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of APRIL 1916.

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	° ′
April 5. 8. 7	9·50·0	April 13. 9.6	·23219	Apl. 11.13.35	52.52·4
13. 7.54	9.49·6	12.55	·23240	12.11.58	54·3
13.45	9.45·4	19. 9.42	·23210	13.11.25	53·8
19. 8.49	9.49·9	13. 5	·23247	17.12.18	52·7
13·45	9.43·8	28. 9.23	·23197	[illegible]	[illegible]
28. 8.32	9.44·6	13.00	·23203	26.13.28	58·5
13·42	9.43·4			29.11. 1	53. 2·9

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

APRIL 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	9° +																
Midnight	46·1	45·9	46·0	46·0	46·0	46·0	46·0	46·2	46·6	46·3	46·3	46·1	46·5	46·3	46·3	48·3	Midnight
1h	46·1	46·1	46·0	46·0	46·0	46·0	46·2	46·2	46·2	46·3	46·3	46·7	46·7	46·7	47·5	48·1	1h
2	45·9	45·9	46·0	46·2	46·0	46·0	46·2	46·2	46·2	46·3	46·3	46·1	46·7	46·5	48·1	47·9	2
3	46·1	46·1	46·2	46·2	46·2	46·2	46·4	46·0	46·2	46·3	46·3	46·3	46·9	46·7	47·3	46·3	3
4	47·3	46·1	46·4	45·8	46·2	46·2	46·4	46·0	46·2	46·3	46·3	46·3	46·9	46·7	47·3	46·1	4
5	45·9	46·5	46·4	46·0	46·4	46·4	47·2	46·0	46·4	46·1	46·3	46·3	46·5	46·3	46·1	44·1	5
6	46·1	46·5	46·2	46·2	46·6	46·6	47·2	46·2	46·4	46·1	46·3	46·3	46·5	46·3	46·3	44·1	6
7	45·9	47·5	48·0	47·6	48·0	48·0	47·8	47·6	47·8	46·3	46·5	46·1	46·7	46·3	44·9	43·9	7
8	48·3	48·1	50·0	50·0	50·0	49·8	49·8	48·0	49·2	48·7	48·3	48·3	48·7	48·3	46·1	45·5	8
9	47·9	48·1	50·2	51·6	51·2	51·8	51·2	50·2	50·0	50·9	51·9	50·1	50·5	51·3	47·7	47·3	9
10	45·9	47·5	48·6	51·2	51·0	51·6	50·6	51·8	49·8	51·5	52·5	50·7	51·7	52·3	50·1	47·3	10
11	43·9	45·1	45·8	48·4	48·4	48·0	47·8	48·0	47·8	49·9	51·3	49·3	50·1	50·5	49·5	46·7	11
Noon	42·3	43·7	43·8	46·0	45·8	44·6	45·2	46·0	45·6	46·3	47·7	47·9	48·1	48·5	47·9	46·1	Noon
13h	42·1	42·1	42·2	43·6	42·2	40·6	43·2	44·2	44·0	44·3	44·3	46·1	46·1	47·1	46·1	45·9	13h
14	43·3	41·9	42·2	42·2	40·6	41·0	42·2	43·2	42·8	43·7	44·1	45·1	44·3	46·3	46·1	46·1	14
15	43·7	42·7	43·4	42·0	41·8	42·0	43·2	42·0	42·2	42·3	43·9	44·3	43·7	44·9	44·9	46·1	15
16	43·7	43·9	45·6	42·8	42·8	43·8	44·2	42·0	42·6	42·3	44·1	44·1	43·7	44·7	44·5	46·1	16
17	44·3	44·9	46·2	45·4	45·2	45·8	45·8	43·8	44·2	44·3	44·3	44·1	44·9	45·3	46·1	46·3	17
18	46·3	45·9	46·2	46·0	46·0	46·0	46·2	45·0	45·4	45·5	45·3	45·1	46·1	46·1	46·1	46·1	18
19	46·1	45·9	46·0	46·0	46·0	46·0	46·0	46·0	46·2	45·7	46·1	45·7	46·1	46·1	46·3	46·1	19
20	45·9	45·9	46·0	46·0	46·2	46·2	46·2	46·2	46·2	46·1	46·1	46·1	46·1	46·3	46·5	46·1	20
21	46·5	45·9	46·0	46·0	46·2	46·2	46·0	46·2	46·4	46·1	46·3	46·1	46·3	46·3	48·1	46·5	21
22	45·9	45·9	46·0	46·0	46·2	46·2	46·2	46·2	46·4	46·3	46·3	46·3	46·3	46·1	48·5	48·1	22
23	45·9	45·9	46·0	46·0	46·0	46·0	46·2	46·4	46·2	46·3	46·3	46·3	46·3	46·3	48·3	46·5	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean	Day. / Hour.
	9° +															
Midnight	46·5	46·1	46·1	46·1	47·9	46·3	46·3	46·5	46·3	50·2	46·8	47·8	47·2	48·0	46·6	Midnight
1h	46·3	46·3	46·3	46·1	46·3	46·1	46·3	46·3	46·3	49·8	46·8	46·2	46·6	46·8	46·5	1h
2	46·1	46·3	46·1	46·1	46·7	46·3	46·3	46·3	46·1	47·2	46·6	46·2	47·2	46·6	46·4	2
3	46·5	46·3	44·9	45·9	46·9	46·7	46·3	46·3	46·1	48·6	46·4	46·4	47·6	47·0	46·5	3
4	46·5	46·1	46·1	46·1	47·9	47·3	46·3	46·3	46·1	44·6	46·2	46·4	46·2	46·4	46·4	4
5	46·7	46·5	46·7	47·1	48·1	48·1	46·5	46·3	46·3	42·8	44·0	45·2	44·4	46·2	46·1	5
6	46·7	46·5	46·9	47·5	47·5	48·1	46·7	46·3	46·5	44·4	44·4	44·8	44·8	46·4	46·2	6
7	46·1	47·5	48·1	47·9	46·9	47·5	47·7	46·5	46·3	44·6	44·8	44·2	43·6	46·2	46·6	7
8	47·7	49·3	48·3	50·1	48·1	47·9	50·1	48·1	48·5	46·4	47·2	44·2	42·4	48·6	48·1	8
9	49·9	50·3	48·7	51·7	50·5	49·5	50·5	50·1	51·3	48·2	50·2	44·2	46·2	51·4	49·8	9
10	50·3	50·3	48·1	50·3	50·1	50·3	50·5	50·1	50·3	48·4	52·2	44·4	46·4	52·0	49·9	10
11	49·7	49·1	46·3	47·5	47·3	50·1	48·7	48·1	50·3	48·4	50·8	44·8	46·2	50·2	48·3	11
Noon	45·5	46·5	44·1	44·9	44·1	46·1	46·1	45·7	48·1	47·6	49·6	43·6	46·2	47·2	46·0	Noon
13h	44·1	46·3	43·9	44·3	43·9	44·3	44·3	43·5	45·1	46·4	46·2	43·2	45·8	44·6	44·3	13h
14	44·1	46·3	43·9	44·5	43·9	44·1	44·3	42·3	42·3	44·6	44·4	43·6	46·0	45·8	43·8	14
15	44·1	46·1	44·1	44·5	44·1	42·9	44·1	42·5	42·1	42·8	44·2	43·4	44·2	44·6	43·6	15
16	44·9	46·1	44·7	45·3	44·3	43·3	44·3	43·1	42·5	44·2	44·2	44·4	44·6	44·8	44·1	16
17	46·1	46·1	46·5	46·3	46·1	45·9	44·9	44·3	44·3	44·8	44·2	47·4	46·4	46·2	45·4	17
18	46·3	46·1	46·7	46·3	46·3	46·1	46·1	46·1	46·1	46·2	48·2	47·2	48·2	46·4	46·2	18
19	46·3	46·3	46·7	46·3	46·3	46·3	46·3	46·3	46·1	46·6	47·6	47·2	47·8	46·4	46·3	19
20	46·3	46·5	46·5	46·5	46·5	46·3	46·7	46·3	46·3	47·0	48·0	47·2	48·0	46·6	46·4	20
21	46·3	46·5	46·1	46·3	46·7	46·3	46·7	46·7	52·7	47·4	48·2	46·8	49·6	46·6	46·8	21
22	46·5	46·3	46·1	46·3	46·5	46·3	46·9	46·9	50·1	47·4	48·4	46·6	48·2	47·2	46·7	22
23	46·1	46·3	46·1	46·5	46·3	46·3	46·5	46·5	50·1	47·4	47·8	47·2	48·0	46·8	46·6	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

APRIL 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	174	185	186	195	195	211	195	195	180	195	198	195	195	205	207	158	Midnight
1h	175	182	188	196	197	213	197	196	184	196	198	191	200	206	194	167	1h
2	185	183	190	196	197	214	198	196	186	195	198	201	197	207	194	177	2
3	194	186	193	195	198	215	202	214	186	197	200	196	198	206	196	186	3
4	186	185	192	205	199	215	205	215	186	198	202	195	198	208	198	193	4
5	186	185	195	204	202	214	204	205	187	201	204	198	205	213	214	200	5
6	185	183	195	203	203	215	205	206	190	205	205	205	205	214	206	209	6
7	190	185	189	204	204	225	207	197	195	205	206	206	205	215	212	214	7
8	176	185	189	205	205	224	212	206	197	210	205	207	205	218	216	214	8
9	181	183	190	207	206	224	215	204	201	214	205	207	209	223	224	209	9
10	181	186	195	220	206	212	215	214	205	214	206	207	210	221	233	205	10
11	174	197	210	233	208	216	215	215	207	214	216	214	214	222	243	208	11
Noon	180	206	216	242	214	225	229	201	208	215	230	222	224	226	245	215	Noon
13h	176	204	214	232	215	228	230	204	206	214	232	216	230	225	246	207	13h
14	175	203	206	223	214	216	214	205	204	209	215	206	224	222	219	202	14
15	165	194	203	212	214	206	209	205	189	204	204	198	215	218	193	195	15
16	151	185	199	205	214	204	205	195	187	204	195	198	213	215	194	189	16
17	146	186	195	202	212	202	209	140	186	199	193	195	205	214	182	184	17
18	153	186	195	200	212	205	208	155	188	196	188	193	204	215	176	183	18
19	166	185	190	197	215	187	206	163	195	195	194	196	197	214	177	186	19
20	163	185	188	195	213	195	206	176	195	196	196	196	199	214	175	178	20
21	168	185	187	196	211	196	202	177	195	196	197	195	205	215	183	177	21
22	167	181	188	195	208	196	195	176	195	197	197	195	205	205	175	195	22
23	186	185	189	196	208	195	196	180	194	197	195	195	205	214	158	188	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).															
Midnight	188	196	173	193	211	201	200	195	204	129	172	156	185	162	187·8	Midnight
1h	196	195	177	196	203	206	203	199	205	188	184	193	174	163	189·7	1h
2	205	196	180	197	202	210	208	200	212	141	184	185	177	169	192·7	2
3	196	202	204	206	202	207	209	202	216	153	176	183	182	167	195·6	3
4	196	213	196	212	203	209	213	206	219	157	184	183	220	172	198·8	4
5	201	207	194	212	203	210	217	207	224	193	192	184	220	186	202·2	5
6	202	207	199	217	209	213	218	208	225	176	190	189	196	190	202·4	6
7	211	214	204	213	212	211	219	216	233	173	189	193	181	193	204·0	7
8	221	215	204	222	213	220	220	219	235	168	190	194	172	214	206·0	8
9	226	205	205	223	221	223	223	224	224	161	186	193	146	218	206·0	9
10	225	203	213	223	226	229	226	223	218	160	194	192	126	209	206·6	10
11	230	196	221	225	236	231	219	233	230	176	188	177	130	217	210·5	11
Noon	241	186	230	237	240	230	224	236	243	184	194	181	138	218	216·0	Noon
13h	233	195	233	231	238	221	218	225	244	185	193	184	138	210	214·2	13h
14	225	196	232	231	233	218	213	217	224	185	177	177	125	189	206·6	14
15	214	169	221	231	222	210	208	207	218	170	159	167	105	180	196·8	15
16	207	167	208	216	212	206	209	208	215	157	156	154	90	179	191·2	16
17	202	158	203	204	210	205	199	208	215	165	155	154	106	174	186·9	17
18	195	158	198	205	203	203	198	208	196	168	140	147	134	172	186·1	18
19	196	157	195	211	202	204	199	208	177	167	155	152	143	163	186·4	19
20	197	158	195	212	202	202	199	208	130	166	163	161	144	162	185·6	20
21	195	166	194	201	200	202	199	209	100	167	164	172	139	168	185·4	21
22	186	167	194	204	201	202	191	208	97	167	151	173	155	184	185·0	22
23	206	173	192	195	202	203	190	207	113	174	156	173	161	176	186·7	23

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

APRIL 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	720	715	714	712	708	705	707	707	709	707	704	704	702	700	695	704	Midnight
1h	720	715	713	711	708	704	707	707	709	706	704	705	702	700	696	701	1h
2	719	714	712	710	708	704	707	707	708	706	704	705	702	700	699	701	2
3	719	714	712	709	707	704	706	706	708	706	704	705	703	700	698	700	3
4	719	715	712	708	707	704	706	704	708	706	704	705	703	701	699	700	4
5	720	716	713	709	708	705	707	705	707	706	704	704	704	701	699	700	5
6	720	717	714	710	708	705	706	706	707	705	703	704	704	701	699	701	6
7	722	719	718	713	709	707	707	707	708	706	703	703	705	702	699	700	7
8	727	722	719	716	711	710	710	709	711	708	707	708	709	706	702	703	8
9	724	719	718	715	713	712	712	712	711	710	710	712	711	709	704	705	9
10	711	715	711	705	713	709	712	710	707	706	710	713	710	707	705	705	10
11	706	705	701	694	704	703	706	702	702	700	699	707	701	697	700	703	11
Noon	704	695	693	684	689	693	697	694	696	689	688	701	687	687	689	696	Noon
13h	703	689	690	681	677	687	693	692	692	686	682	697	686	683	683	692	13h
14	705	694	692	681	676	689	693	693	691	684	683	697	682	682	685	694	14
15	706	697	699	685	681	694	697	694	691	684	687	693	681	682	687	695	15
16	709	701	705	692	688	699	698	696	693	688	691	693	686	682	690	695	16
17	711	705	708	698	694	700	702	701	697	692	695	694	691	684	695	700	17
18	715	710	708	700	699	702	702	707	702	697	697	697	696	689	698	701	18
19	715	711	709	703	699	703	702	708	703	698	700	700	696	692	700	701	19
20	716	713	710	704	700	705	703	708	704	701	702	702	700	695	700	704	20
21	719	714	713	707	704	706	705	708	706	702	702	702	700	696	704	704	21
22	718	714	714	708	705	708	707	710	706	703	703	703	700	696	703	706	22
23	719	714	714	708	706	708	708	711	706	704	704	704	701	696	703	703	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).															
Midnight	703	700	749	729	747	747	749	751	747	768	755	755	756	755	724·1	Midnight
1h	701	700	751	724	745	747	747	748	747	765	754	751	751	755	723·1	1h
2	700	699	749	723	745	745	747	747	746	762	753	751	753	753	722·6	2
3	700	699	744	724	743	744	745	748	745	759	755	753	753	754	722·2	3
4	701	699	745	734	743	744	744	747	744	753	753	754	751	755	722·3	4
5	701	700	747	737	743	743	743	746	743	753	752	754	747	755	722·4	5
6	702	700	750	739	744	743	743	745	743	755	753	752	750	755	722·8	6
7	702	702	751	741	743	744	744	745	743	755	752	751	751	755	723·6	7
8	704	705	752	742	747	745	751	748	747	755	763	751	755	759	726·7	8
9	708	704	745	742	751	753	751	750	752	757	769	757	761	759	728·5	9
10	708	703	736	729	745	752	747	744	751	756	767	755	756	754	725·1	10
11	700	705	728	728	731	743	739	735	741	747	755	755	744	739	717·3	11
Noon	685	705	723	727	719	736	721	727	724	743	745	748	739	723	708·2	Noon
13h	683	701	721	729	722	737	715	727	715	740	744	749	741	716	705·1	13h
14	686	712	719	729	722	735	715	727	709	735	743	754	743	720	705·7	14
15	687	719	720	727	722	729	715	728	714	739	739	752	750	726	707·3	15
16	690	727	724	730	727	729	723	733	723	743	744	756	756	732	711·4	16
17	695	734	726	735	735	735	733	739	735	749	752	771	762	742	717·0	17
18	696	743	727	738	739	739	739	743	743	752	761	765	764	747	720·5	18
19	699	747	728	739	743	742	742	743	742	754	757	763	761	751	721·7	19
20	700	753	729	743	745	743	744	744	754	755	757	760	763	753	723·7	20
21	700	754	729	747	747	747	746	745	753	755	755	759	766	754	725·0	21
22	700	753	730	747	748	747	750	746	766	755	759	757	761	751	725·8	22
23	700	753	730	747	748	748	750	746	772	755	756	756	759	751	726·0	23

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) 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. (Centigrade). Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity. Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.).	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
April 1	1006·7	+ 0·2	29·4	23·2	6·2	25·8	+1·0	23·9	22·6	+ 1·6	82	+ 2	27·1	21·9	1·5	100	4·1	5·6
2	1006·3	− 0·3	29·6	22·0	7·6	25·6	+0·8	23·5	22·0	+ 1·1	81	+ 1	26·2	19·6	...	...	4·6	5·0
3	1006·4	− 0·3	28·5	22·9	5·6	25·1	+0·3	23·4	22·2	+ 1·3	84	+ 4	26·5	20·3	2·5	50	3·3	7·4
4	1007·4	+ 0·7	29·4	21·9	7·5	25·2	+0·5	22·7	20·9	+ 0·1	77	− 3	24·5	19·5	...	...	5·3	2·9
5	1008·0	+ 1·2	29·1	22·0	7·1	25·5	+0·8	22·9	21·1	+ 0·3	77	− 3	24·8	19·0	...	...	5·3	3·1
6	1007·7	+ 0·8	29·8	22·9	6·9	25·8	+1·2	23·5	21·9	+ 1·2	79	− 1	26·0	21·3	...	...	5·1	4·6
7	1007·6	+ 0·7	29·3	22·4	6·9	25·3	+0·7	23·7	22·6	+ 1·9	85	+ 5	27·1	19·9	9·1	75	3·8	5·9
8	1007·7	+ 0·7	29·3	23·0	6·3	25·7	+1·2	24·0	22·8	+ 2·2	84	+ 4	27·5	20·5	7·3	80	6·3	6·3
9	1008·3	+ 1·2	28·4	23·1	5·3	25·3	+0·8	24·1	23·3	+ 2·7	89	+ 9	28·3	21·8	17·3	180	4·4	7·1
10	1008·3	+ 1·1	28·7	22·4	6·3	25·2	+0·8	23·8	22·8	+ 2·3	87	+ 7	27·5	21·2	1·5	15	3·3	6·8
11	1007·7	+ 0·5	29·2	21·5	7·7	24·7	+0·3	23·0	21·9	+ 1·5	84	+ 4	26·0	18·6	...	...	3·8	6·6
12	1006·6	− 0·7	29·2	21·1	8·1	24·7	+0·4	22·6	21·1	+ 0·7	81	+ 1	24·8	17·5	...	...	4·6	5·4
13	1005·8	− 1·6	28·7	21·4	7·3	24·1	−0·2	22·7	21·7	+ 1·4	86	+ 6	25·7	18·6	6·2	20	3·4	8·2
14	1007·3	− 0·1	27·4	21·4	6·0	23·9	−0·3	22·3	21·2	+ 0·9	85	+ 6	24·9	19·8	6·3	30	3·3	9·9
15	1006·7	− 0·8	25·0	22·1	2·9	23·3	−0·9	22·6	22·1	+ 1·9	93	+14	26·3	20·9	28·1	250	0·9	9·7
16	1005·7	− 1·9	25·6	22·1	3·5	22·8	−1·3	22·3	21·9	+ 1·7	94	+15	26·0	20·9	20·2	405	1·9	10·0
17	1004·4	− 3·3	25·5	21·7	3·8	23·5	−0·6	22·6	21·9	+ 1·8	91	+12	26·0	21·1	21·3	515	3·2	9·7
18	1000·6	− 7·1	28·1	22·6	5·5	24·8	+0·8	23·8	23·1	+ 3·0	90	+11	28·0	20·3	16·9	90	5·3	8·5
19	1001·2	− 6·6	28·7	20·4	8·3	24·3	+0·4	22·5	21·2	+ 1·2	83	+ 4	24·9	17·3	0·1	5	4·8	6·0
20	1003·3	− 4·6	28·1	18·3	9·8	23·0	−0·9	20·7	19·0	− 1·0	78	− 1	21·8	15·2	...	...	5·1	2·1
21	1004·6	− 3·3	27·3	17·2	10·1	22·3	−1·5	20·0	18·3	− 1·6	78	− 1	20·8	13·5	...	...	2·2	2·6
22	1005·9	− 2·1	27·5	17·0	10·5	22·5	−1·3	20·1	18·3	− 1·6	77	− 2	20·8	13·4	...	...	4·6	2·9
23	1007·1	− 1·0	27·5	17·8	9·7	22·7	−1·0	20·0	18·0	− 1·8	75	− 4	20·4	14·4	...	...	5·2	3·1
24	1008·0	− 0·1	27·2	17·5	9·7	22·3	−1·4	20·4	19·0	− 0·8	82	+ 3	21·8	14·7	1·4	40	3·7	5·8
25	1008·2	0·0	26·2	19·5	6·7	23·0	−0·6	20·2	18·1	− 1·6	74	− 5	20·6	17·1	...	...	5·6	4·4
26	1007·3	− 1·0	27·1	19·0	8·1	22·4	−1·2	19·9	18·0	− 1·6	76	− 3	20·4	15·8	0·2	5	3·7	6·4
27	1005·9	− 2·4	28·3	18·2	10·1	22·9	−0·6	20·9	19·4	− 0·2	81	+ 2	22·3	15·6	...	...	4·1	5·6
28	1006·0	− 2·4	27·1	19·2	7·9	22·7	−0·7	21·0	19·7	+ 0·2	83	+ 4	22·7	18·2	1·1	10	3·0	3·4
29	1006·5	− 2·0	26·5	17·9	8·6	21·8	−1·6	19·2	17·2	− 2·2	75	− 4	19·4	14·1	...	...	4·0	2·3
30	1006·0	− 2·6	26·2	18·2	8·0	21·9	−1·4	20·3	19·1	− 0·2	84	+ 5	21·9	14·6	0·6	10	4·1	5·4
Mean	1006·3	− 1·2	27·9	20·6	7·3	23·9	−0·2	22·1	20·7	+ 0·5	82·3	+2·9	24·2	18·2	Sum 141·6	Sum 1880	4·1	5·3
Average	1007·5	...	27·7	21·1	6·6	24·1	...	21·8	20·2	...	79·4	...	23·4	18·3	113·5	1541	4·2	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 April.

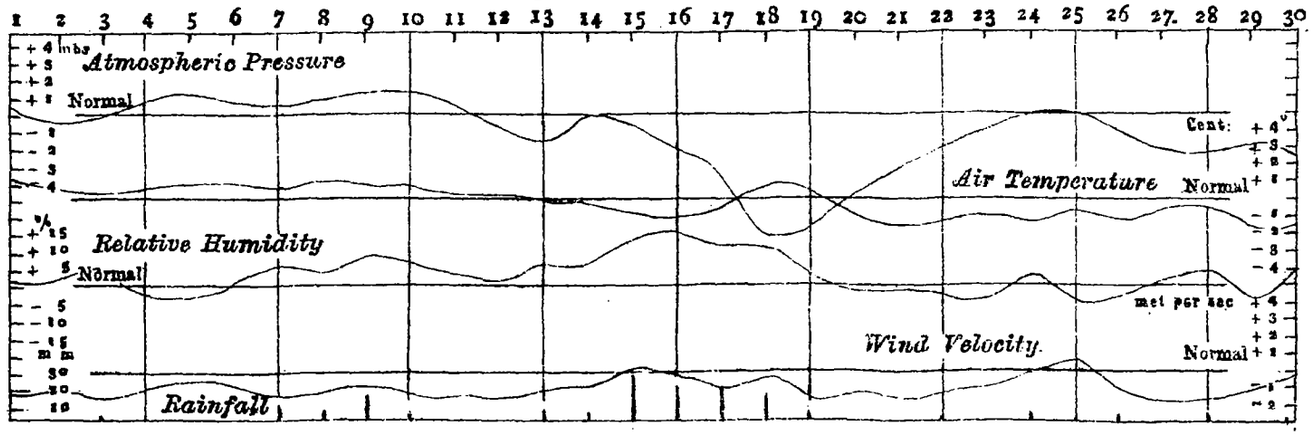


TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1916.

Month and Day. 1916.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. 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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
April 1	4·7	40	+ 0·3	+ 2·0	98	2·0	+ 25	− 0·7	2·2	− 1·1	26·0	27·4	28·44	28·37	28·41	c.p.: f. : c. : f.l.: b.
2	8·7	74	− 0·3	+ 1·3	77	1·3	+ 4	− 1·4	1·9	− 1·4	26·0	27·4	28·59	28·46	28·61	f. :c.t: c.d.
3	3·7	31	− 0·5	+ 1·3	69	1·4	− 4	− 1·3	1·8	− 1·5	26·0	27·4	28·59	28·51	28·67	c. : c.p. :cdt: c. : f.
4	10·3	87	− 0·7	+ 2·1	72	2·2	0	− 0·5	2·3	− 1·0	26·0	27·4	28·47	28·40	28·86	f. : c. : b.
5	10·7	91	− 0·6	+ 2·7	77	2·8	+ 5	+ 0·1	2·9	− 0·4	25·9	27·4	28·72	28·71	29·39	b. : : f.
6	9·8	83	0·0	+ 2·2	90	2·2	+ 18	− 0·6	2·4	− 0·9	25·9	27·4	28·95	29·12	30·01	f. : c.d.l.
7	7·1	61	+ 0·4	+ 1·1	110	1·1	+ 38	− 1·7	1·9	− 1·4	25·9	27·4	29·22	29·25	29·40	b. : f. : c.p. :ogpt:cp: f.
8	10·2	87	+ 0·1	+ 2·1	93	2·1	+ 21	− 0·7	2·2	− 1·1	25·9	27·4	28·85	28·88	29·33	f. : c.p: c. : c.p.
9	6·3	54	+ 0·7	+ 2·1	108	2·2	+ 37	− 0·6	2·5	− 0·8	25·9	27·4	28·72	28·55	28·27	c.p. : f. : c.p. :ogr: c. : f.
10	3·3	28	+ 0·4	+ 1·8	103	1·8	+ 32	− 1·0	1·9	− 1·4	25·9	27·4	28·24	28·02	27·70	f. : c.p: c. : f. :cp.
11	5·6	48	+ 0·2	+ 1·8	96	1·8	+ 25	− 1·0	1·9	− 1·4	25·9	27·4	28·21	27·93	27·58	b. : c.
12	10·1	86	+ 0·2	+ 1·5	98	1·5	+ 27	− 1·3	1·7	− 1·6	25·9	27·4	28·26	28·51	28·79	o. : b. : f. : c. : f. : c.
13	2·0	17	+ 0·2	+ 1·5	98	1·5	+ 28	− 1·3	2·1	− 1·2	25·9	27·4	28·28	28·11	27·81	c. : f. : c. :ogr: o.g.
14	0·6	5	− 1·1	+ 2·1	62	2·3	− 8	− 0·5	2·4	− 0·9	25·9	27·4	27·62	27·29	26·59	ogp: o.g. :ogp: o.g.d.
15	0·1	0	− 0·9	+ 3·2	74	3·3	+ 4	+ 0·5	3·4	+ 0·1	26·0	27·4	27·02	26·13	25·20	c.p. : o.g.r. : o.g.p.
16	0·0	0	− 0·4	+ 2·9	82	3·0	+ 12	+ 0·2	3·1	− 0·2	25·9	27·4	26·00	25·51	24·89	o.g.p.
17	1·0	9	+ 0·6	+ 2·0	107	2·1	+ 38	− 0·7	2·3	− 1·0	25·9	27·4	25·61	25·28	24·89	o.g.r. : c.g.
18	4·7	41	+ 1·1	− 2·1	242	2·3	+ 173	− 0·5	3·1	− 0·2	26·0	27·5	26·16	26·08	26·13	c.g. :ogr: c.g: o.g.p. c.l.: f.
19	9·0	78	− 0·8	− 0·6	323	1·0	+ 254	− 1·9	1·7	− 1·6	25·9	27·5	26·90	26·93	27·58	f. : c. : f. : c. : f. : c.
20	10·1	88	− 1·1	− 0·3	345	1·2	+ 276	− 1·7	2·1	− 1·2	25·9	27·4	27·13	27·05	27·39	b. : f. : b.
21	6·8	59	− 0·7	+ 0·2	16	0·7	− 53	− 2·2	1·8	− 1·5	25·9	27·4	27·02	26·75	26·43	b. : c. : b.
22	9·1	79	− 1·0	+ 0·9	42	1·3	− 26	− 1·6	1·9	− 1·4	25·9	27·4	26·64	26·20	26·09	b. : f. : c. : f.
23	10·9	95	− 1·4	+ 1·9	54	2·4	− 14	− 0·5	2·4	− 0·9	25·9	27·4	26·82	26·47	26·75	f. : b.
24	7·1	62	− 1·3	+ 2·9	66	3·2	− 2	+ 0·3	3·3	0·0	25·9	27·4	26·64	26·26	25·92	c. : b. : f. c.p.q. : f.
25	9·4	82	− 1·6	+ 3·4	65	3·8	− 3	+ 0·9	3·8	+ 0·5	25·8	27·3	26·46	26·34	26·56	b. : c. : f.q. : f.
26	7·4	65	+ 0·2	+ 1·8	96	1·8	+ 28	− 1·1	2·1	− 1·2	25·9	27·4	26·48	26·12	25·86	f. : c.p. : c. : f.
27	7·9	69	− 0·1	+ 0·3	72	0·3	+ 5	− 2·6	1·7	− 1·6	25·9	27·3	26·43	26·20	26·38	f. : c. : f.
28	5·9	52	− 1·0	+ 1·1	48	1·5	− 19	− 1·4	1·7	− 1·6	25·9	27·2	26·60	26·15	25·92	f.p.: f : c. : f.
29	8·5	75	− 1·1	+ 2·2	63	2·4	− 4	− 0·5	2·6	− 0·7	25·9	27·3	26·05	25·54	25·71	b. : f. : b.
30	6·3	56	− 1·0	+ 2·8	70	3·0	+ 3	+ 0·1	3·2	− 0·1	25·8	27·1	25·96	25·61	25·63	b. : c. :c.p.: f.
Mean	6·58	56·7	− 0·37	+ 1·61	77·0	1·65	+ 6·1	− 1·16	2·34	− 0·96	25·91	27·38	27·44	27·22	27·22	...
Average	7·68	66·1	− 0·97	+ 2·64	70·9	2·81	...	...	3·30	...	25·49	26·94	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Pressure was below normal on 21 days and in defect in the mean for the month by 1·2 millibars. This low pressure was due in great measure to the passage of an extra-tropical gale South of Mauritius between the 11th and 25th. The only tropical cyclone recorded in the Indian Ocean formed in Latitude 6° S. and Longitude 99° E and curved in Latitude 22° and Longitude 80° E. It was encountered at sea by the S.S. Patroclus in Latitude 19° and Longitude 81° at midnight on May 1st. Its existence was not felt at Mauritius and only very feebly at Rodrigues. An approximate track is appended to this bulletin.

Temperature was slightly below normal in the mean. The day temperatures were above normal and the night temperatures below. The soil temperature to a depth of 9ins was nearly 1° (Centigrade) below that of the previous year and was falling steadily throughout the month.

Relative humidity was 3% above normal. The percentage of possible bright sunshine at the Observatory was 10% below and rainfall 25% above normal.

Agriculturally the meteorological conditions shew a marked improvement on the previous month, all elements except temperature being decidedly favourable throughout the Colony.

The highest dew point temperature was 24°·8 at 16h. on the 18th ; and the lowest 15°·6 at 5h. on the 24th.

The highest relative humidity was 98·7 % at 11h. on the 16th ; and the lowest 62·8 % at 14h. on the 22nd.

The percentage variation of rainfall from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	40 % above
Eastern Districts	,, ,, 2, 3, 4.	20 % above
South-Eastern Districts	,, ,, 5 & 6	16 % above
Western Districts	River System 11	1 % above
	,, ,, 12	34 % above
	,, ,, 13	95 % above

(May 25, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is 181 feet above mean sea-level.)

APRIL 1916.

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
Midnight	0073	0076	0063	0075	0083	0091	0073	0078	0089	0088	0083	0081	0065	0072	0082	0068	Midnight
1h	0068	0072	0059	0070	0076	0083	0072	0073	0083	0083	0080	0074	0059	0067	0072	0065	1h
2	0058	0065	0055	0068	0074	0079	0069	0071	0081	0079	0078	0070	0055	0063	0066	0059	2
3	0053	0062	0054	0065	0073	0075	0067	0070	0075	0073	0072	0069	0051	0061	0062	0055	3
4	0052	0059	0052	0063	0072	0073	0067	0069	0073	0073	0072	0067	0048	0062	0060	0052	4
5	0058	0060	0053	0066	0074	0073	0073	0072	0076	0075	0073	0066	0050	0063	0061	0053	5
6	0064	0063	0058	0072	0076	0075	0076	0073	0080	0080	0073	0069	0054	0065	0063	0055	8
7	0072	0067	0065	0074	0079	0080	0080	0080	0082	0086	0079	0073	0056	0073	0069	0062	7
8	0079	0071	0073	0078	0082	0082	0083	0080	0085	0092	0080	0075	0063	0080	0073	0065	8
9	0082	0074	0072	0080	0083	0083	0087	0082	0091	0094	0082	0080	0064	0082	0080	0070	9
10	0081	0073	0072	0079	0086	0082	0088	0081	0089	0095	0081	0078	0062	0082	0081	0070	10
11	0079	0070	0067	0076	0083	0081	0084	0080	0087	0093	0076	0073	0056	0080	0073	0062	11
Noon	0073	0063	0062	0073	0080	0077	0081	0075	0083	0090	0073	0064	0052	0076	0070	0058	Noon
13h	0064	0053	0056	0067	0075	0071	0076	0070	0075	0080	0064	0055	0049	0074	0064	0049	13h
14	0059	0047	0053	0063	0073	0068	0073	0069	0074	0075	0064	0053	0045	0071	0059	0048	14
15	0052	0046	0051	0061	0072	0064	0070	0068	0073	0073	0066	0048	0046	0064	0051	0047	15
16	0053	0047	0055	0063	0072	0067	0071	0067	0073	0073	0066	0049	0046	0067	0054	0044	16
17	0054	0053	0060	0070	0074	0071	0071	0071	0077	0074	0071	0050	0052	0073	0060	0046	17
18	0058	0054	0064	0076	0076	0073	0072	0076	0084	0077	0074	0056	0055	0075	0060	0051	18
19	0066	0060	0072	0082	0083	0079	0074	0081	0084	0084	0083	0061	0061	0077	0063	0054	19
20	0074	0064	0074	0084	0088	0083	0077	0088	0090	0088	0086	0068	0071	0082	0068	0056	20
21	0079	0071	0080	0087	0093	0083	0077	0092	0094	0094	0093	0070	0076	0083	0074	0061	21
22	0082	0071	0078	0086	0093	0083	0079	0092	0094	0093	0091	0071	0077	0084	0074	0062	22
23	0080	0067	0077	0085	0091	0078	0080	0090	0092	0090	0086	0069	0075	0083	0071	0058	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. \ Hour.
Midnight	0054	0034	0004	0033	0052	0058	0072	0083	0088	0087	0064	0063	0071	0067	0069	Midnight
1h	0048	0031	0003	0027	0049	0057	0070	0081	0084	0078	0060	0056	0063	0064	0064	1h
2	0045	0023	9998	0025	0044	0056	0066	0078	0082	0077	0057	0055	0061	0063	0061	2
3	0044	0015	9995	0023	0041	0053	0063	0076	0076	0074	0057	0052	0059	0057	0057	3
4	0042	0011	9996	0023	0040	0053	0063	0074	0076	0073	0057	0051	0056	0052	0056	4
5	0045	0011	9996	0022	0040	0053	0063	0073	0077	0072	0053	0052	0056	0053	0057	5
6	0047	0012	0002	0025	0042	0057	0066	0076	0081	0075	0055	0057	0063	0058	0060	6
7	0050	0013	0009	0031	0047	0063	0074	0082	0084	0079	0064	0063	0069	0063	0066	7
8	0055	0011	0013	0036	0050	0069	0078	0083	0086	0082	0068	0067	0072	0067	0069	8
9	0061	0014	0020	0043	0053	0073	0081	0085	0092	0085	0073	0073	0077	0070	0073	9
10	0061	0016	0021	0042	0053	0071	0081	0088	0093	0086	0073	0073	0077	0070	0073	10
11	0058	0011	0016	0040	0050	0066	0077	0083	0084	0081	0065	0067	0072	0064	0068	11
Noon	0050	0003	0007	0034	0045	0060	0070	0077	0077	0074	0061	0061	0064	0057	0063	Noon
13h	0041	9994	0004	0027	0040	0049	0062	0074	0072	0068	0052	0055	0057	0052	0056	13h
14	0035	9994	0002	0023	0036	0046	0057	0073	0071	0063	0041	0046	0053	0046	0053	14
15	0034	9987	0003	0020	0035	0044	0056	0071	0068	0060	0048	0048	0053	0046	0051	15
16	0033	9986	0005	0022	0035	0044	0062	0073	0072	0062	0047	0050	0054	0049	0052	16
17	0034	9986	0010	0024	0040	0049	0064	0077	0076	0062	0050	0051	0057	0053	0055	17
18	0035	9992	0014	0029	0043	0052	0067	0080	0078	0064	0053	0054	0059	0058	0059	18
19	0037	9995	0022	0036	0047	0056	0074	0081	0084	0068	0059	0062	0065	0062	0064	19
20	0042	0002	0030	0043	0052	0063	0079	0085	0090	0071	0064	0068	0073	0068	0069	20
21	0044	0008	0034	0047	0055	0067	0084	0091	0091	0072	0069	0073	0075	0070	0073	21
22	0042	0007	0036	0049	0056	0071	0085	0092	0090	0071	0071	0074	0076	0070	0073	22
23	0040	0006	0034	0051	0057	0071	0086	0090	0090	0070	0064	0073	0073	0064	0071	23

TABLE VIII.—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.
	APRIL 1916.																														
Midnight	10	0	6	3	1	0	0	2	4	2	2	10	10	10	10	10	10	10	3	3	0	0	3	7	0	4	4	5	0	0	4·3
1h	10	1	8	5	1	1	1	2	6	2	1	10	8	10	10	10	10	10	5	4	0	0	2	6	0	5	3	2	0	0	4·4
2	8	0	7	5	1	2	1	3	10	3	0	10	2	10	9	10	10	8	3	4	0	0	3	6	0	6	5	0	0	0	4·2
3	3	4	7	0	3	3	1	10	4	4	0	2	2	10	9	10	10	9	4	0	0	0	3	2	9	8	6	4	0	4	4·4
4	3	2	8	0	1	3	2	10	9	7	0	1	2	10	9	10	10	9	10	0	0	0	3	1	8	9	6	7	0	0	4·7
5	5	3	9	2	1	3	8	9	5	7	3	0	4	10	9	10	10	9	9	0	0	0	4	1	8	8	6	5	1	0	5·0
6	8	2	9	4	1	5	9	9	5	9	8	1	8	10	9	10	10	10	9	0	0	0	4	2	8	8	5	1	2	6	5·7
7	7	2	10	0	2	4	8	7	4	8	8	1	9	10	8	10	10	10	3	0	0	0	3	4	7	8	3	1	2	7	5·2
8	5	4	10	2	4	4	7	6	3	8	5	3	9	10	10	10	10	10	5	0	0	3	3	3	5	7	4	1	2	8	5·4
9	7	4	9	4	4	6	6	6	7	8	7	8	8	10	10	10	10	7	1	0	0	4	4	5	7	8	5	2	2	7	5·9
10	8	5	9	5	5	6	7	7	8	9	8	7	9	10	10	10	10	7	4	1	1	4	5	6	3	9	7	3	5	8	6·5
11	8	5	10	6	5	5	9	8	7	9	9	6	9	9	10	10	10	8	7	1	3	4	6	6	2	7	5	5	5	7	6·7
Noon	8	5	5	7	4	5	10	8	9	10	9	5	7	10	10	10	10	8	9	2	4	3	7	7	1	8	4	7	3	7	6·7
13h	8	6	6	7	5	5	9	7	9	10	8	5	9	10	10	10	10	8	8	2	7	3	5	10	2	8	5	7	4	8	7·0
14	8	8	7	6	5	4	8	6	9	8	8	4	10	10	10	10	10	10	8	2	8	3	3	9	2	8	7	8	5	8	7·1
15	8	8	8	5	5	4	8	7	10	9	7	7	10	10	10	10	9	10	8	3	8	9	3	9	4	8	10	7	7	8	7·6
16	8	8	9	3	4	5	10	7	10	8	9	6	10	10	10	10	9	10	8	5	8	8	2	9	4	7	10	6	4	7	7·5
17	9	9	9	2	4	6	8	7	10	8	8	4	10	10	10	10	9	10	8	6	8	7	2	9	5	6	9	6	6	9	7·5
18	6	9	9	1	3	5	9	4	9	8	9	3	10	9	10	10	9	10	6	9	6	4	1	9	6	4	7	4	4	10	6·8
19	2	8	4	1	4	6	9	4	8	7	10	4	10	10	10	10	9	10	4	5	7	5	1	9	5	4	6	1	0	8	6·0
20	0	8	5	0	4	8	4	7	9	5	9	4	10	10	10	10	10	10	2	3	0	4	0	8	6	3	5	0	0	7	5·4
21	0	7	4	0	3	9	5	8	9	4	8	9	10	10	10	10	10	8	7	2	0	3	0	7	3	4	4	0	0	5	5·3
22	0	5	5	0	3	7	1	3	4	6	9	10	10	10	10	10	10	5	7	0	1	2	3	5	4	4	3	2	0	3	4·7
23	0	5	5	2	2	4	1	4	4	4	9	10	10	10	10	10	9	2	5	0	1	1	3	3	4	2	5	1	3	1	4·3

TABLE IX.—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.
	APRIL 1916.																														
	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	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
7	7	37	0	33	25	0	29	22	30	10	2	32	0	0	0	0	0	30	4	35	25	31	32	20	0	1	26	25	14	1	7·9
8	60	60	0	60	60	50	60	60	60	54	16	60	0	0	2	0	0	0	58	60	60	60	60	59	55	25	60	60	51	16	20·4
9	43	60	37	60	60	60	60	59	60	30	0	31	15	8	0	0	0	15	56	60	60	60	60	60	33	43	60	60	60	50	21·0
10	6	60	45	60	60	54	57	57	60	0	6	60	2	0	0	0	0	59	60	60	60	60	60	60	58	59	55	60	59	23	21·0
11	5	60	1	60	60	60	54	60	50	0	14	60	27	3	0	0	0	42	60	60	60	60	60	60	60	59	60	33	55	40	20·4
Noon	0	60	40	60	60	60	38	60	20	0	50	60	15	25	2	0	0	45	59	60	60	60	54	60	60	40	60	27	60	60	20·9
13h	31	60	35	60	60	60	54	60	30	17	60	60	38	0	0	0	5	42	57	60	26	31	59	45	60	48	55	0	60	58	20·5
14	45	60	50	43	60	60	29	60	32	60	60	60	24	0	0	0	0	11	29	60	38	25	60	27	60	44	57	24	60	60	20·0
15	45	60	16	48	60	60	34	60	8	17	50	60	0	2	0	0	0	18	17	60	8	48	60	4	60	40	0	5	24	56	15·3
16	6	8	0	60	60	60	13	55	15	0	59	60	0	0	0	0	30	19	60	60	9	36	60	29	60	54	10	5	31	0	14·3
17	28	0	0	60	60	45	0	57	15	5	20	58	0	0	0	0	15	3	52	33	0	50	60	0	55	25	30	50	27	15	12·7
18	6	0	0	15	17	20	0	2	0	2	0	5	0	0	0	0	10	0	26	0	4	24	27	0	0	4	1	4	6	0	2·9
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	0·0

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 197·3 hours; the corresponding period during which the sun was above the horizon was 347·9 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

APRIL 1916.

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	24·7	23·8	23·6	22·6	23·1	22·2	23·1	21·8	23·2	22·2	23·3	22·1	23·7	22·8	23·1	22·3	Midnight
1h	24·5	23·6	23·4	22·5	23·6	22·5	23·2	21·7	23·1	22·0	23·1	22·2	23·3	22·5	23·0	22·3	1h
2	24·3	23·4	23·1	22·1	23·1	22·1	23·7	22·1	23·1	22·1	23·2	22·3	23·5	22·6	23·1	22·7	2
3	24·1	23·0	23·0	21·8	22·9	22·0	23·1	22·0	22·7	21·7	23·5	22·4	22·8	22·1	23·2	22·5	3
4	23·9	22·8	22·2	21·3	23·0	22·3	22·5	21·5	22·6	21·5	23·1	22·1	22·5	21·7	23·3	22·7	4
5	23·7	22·7	22·4	21·5	23·7	22·8	22·0	20·9	22·4	21·3	23·1	22·3	23·0	21·8	23·4	22·7	5
6	23·8	22·8	22·3	21·4	23·8	22·8	22·4	20·8	22·1	20·8	23·0	22·3	23·1	22·5	23·3	22·7	6
7	24·4	23·3	22·8	22·2	24·1	22·9	22·2	21·7	22·8	21·8	23·2	22·6	23·5	22·9	24·1	23·6	7
8	26·6	24·7	26·2	24·5	24·6	23·7	26·1	23·5	26·1	23·7	26·1	24·0	26·1	24·7	26·2	24·7	8
9	27·1	24·2	27·6	24·6	26·3	24·7	27·4	23·9	27·8	23·9	28·1	24·7	27·6	25·4	27·6	25·1	9
10	27·1	24·3	28·4	24·7	27·1	24·7	28·5	24·0	28·4	23·9	28·1	24·3	28·7	25·4	28·2	25·6	10
11	27·3	24·6	29·1	24·3	27·0	24·9	28·5	24·0	29·0	24·2	29·0	24·7	29·1	25·7	28·6	25·0	11
Noon	27·3	24·6	29·3	24·9	28·1	24·8	28·9	23·7	29·1	24·5	29·1	24·6	29·1	25·2	29·1	25·6	Noon
13h	28·1	24·7	29·2	24·8	28·2	25·0	28·7	23·9	29·1	24·2	29·2	24·6	29·1	25·7	29·0	25·4	13h
14	28·6	25·2	29·1	25·0	28·4	24·9	28·1	23·9	29·0	23·8	29·4	24·8	29·1	25·8	28·9	25·5	14
15	29·1	25·4	29·1	24·8	27·3	24·0	28·2	23·7	28·0	23·8	29·2	25·0	27·1	24·8	29·0	25·6	15
16	28·1	25·0	28·1	24·9	26·1	24·2	28·1	23·9	27·6	23·8	28·0	24·7	26·1	24·1	27·2	24·0	16
17	27·8	24·9	26·4	24·4	25·4	24·3	27·0	23·7	26·8	22·9	27·7	24·8	25·1	23·8	27·1	24·7	17
18	26·8	24·4	26·4	24·8	25·7	24·4	25·8	22·9	25·8	22·8	26·7	24·3	24·4	23·5	26·1	24·8	18
19	25·4	23·8	26·0	24·5	24·9	23·4	24·6	22·7	25·0	22·7	25·3	23·8	24·8	23·8	25·1	23·9	19
20	24·4	23·2	25·2	23·6	24·2	22·8	23·9	22·1	24·6	22·6	24·5	23·3	24·4	23·7	24·7	23·8	20
21	24·2	23·1	24·5	23·1	24·7	22·8	23·5	22·0	24·4	22·9	24·2	23·0	24·2	23·5	24·3	23·8	21
22	24·1	22·9	24·2	22·8	24·2	22·6	23·0	21·7	24·2	22·8	23·8	22·7	23·8	22·9	24·2	23·4	22
23	23·8	22·8	23·5	22·2	23·3	22·1	23·1	21·9	24·2	22·8	24·2	22·9	23·2	22·5	24·1	23·4	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	23·9	23·3	24·1	23·6	22·6	21·9	22·5	21·8	22·8	21·8	22·1	21·4	23·2	22·2	22·8	22·3	Midnight
1h	24·0	23·5	24·1	23·6	22·7	22·1	22·2	21·8	22·6	21·8	22·1	21·7	23·1	22·6	22·3	22·0	1h
2	24·0	23·5	24·1	23·5	22·4	21·8	22·4	21·8	22·0	20·8	22·5	21·8	23·1	22·7	22·4	22·1	2
3	23·1	22·4	23·2	22·7	22·1	21·6	22·1	21·6	21·5	20·7	22·1	21·3	23·5	22·7	22·5	21·9	3
4	23·1	22·4	23·1	22·7	22·0	21·0	21·6	21·2	21·5	20·7	21·9	21·1	23·4	22·3	22·6	22·0	4
5	23·9	23·4	23·2	22·7	21·7	20·9	21·3	20·7	21·4	20·7	22·1	20·8	23·1	22·1	22·5	21·9	5
6	23·8	23·3	24·0	23·3	21·8	21·0	21·2	20·7	22·1	20·7	21·6	20·7	23·7	22·7	22·5	21·8	6
7	23·8	23·2	24·4	23·9	22·2	21·7	21·5	20·8	22·9	21·8	22·0	20·9	23·4	22·7	22·7	22·3	7
8	26·1	24·7	25·7	24·7	24·7	23·9	25·1	23·6	24·1	23·3	23·1	21·7	24·4	23·4	23·1	22·7	8
9	27·1	24·7	26·6	24·6	26·1	24·4	26·1	23·6	26·0	24·3	25·3	22·4	23·1	22·7	23·8	23·0	9
10	28·1	25·4	26·3	24·2	26·4	23·9	27·1	23·7	26·4	24·4	25·7	22·7	22·7	22·2	23·2	22·9	10
11	28·1	25·1	26·6	24·2	27·2	24·3	28·2	24·3	27·2	24·2	26·8	22·8	24·3	23·8	23·6	23·4	11
Noon	27·5	25·8	27·1	24·7	27·7	24·4	28·3	23·6	27·6	24·7	27·4	23·8	24·8	23·8	24·1	23·7	Noon
13h	27·8	25·7	27·7	24·9	28·1	24·8	28·7	23·8	28·4	25·4	26·1	23·8	24·1	23·3	25·3	23·8	13h
14	27·7	25·8	28·3	25·2	29·1	25·1	29·0	24·1	28·1	24·8	26·0	23·9	23·1	22·5	24·1	23·7	14
15	26·1	24·8	27·4	24·9	28·0	24·5	28·6	24·3	24·1	23·5	25·7	23·3	23·1	22·8	22·3	21·8	15
16	26·6	24·9	27·0	24·6	27·9	24·5	28·1	23·9	25·1	23·8	25·1	23·1	23·3	22·8	22·1	21·8	16
17	26·1	24·7	26·9	24·8	26·7	24·1	27·0	23·5	25·3	24·0	24·1	23·1	23·1	22·8	22·2	21·8	17
18	25·0	23·9	26·0	24·2	25·8	24·2	25·3	23·1	24·1	22·8	24·0	22·8	23·1	22·8	22·1	21·8	18
19	24·6	24·0	24·9	23·8	24·5	23·2	24·1	22·4	23·1	22·3	23·2	22·6	23·0	22·5	22·4	22·1	19
20	24·2	23·5	24·2	23·1	24·0	22·8	23·7	22·1	23·2	22·2	23·2	22·1	22·5	22·0	22·4	21·9	20
21	24·2	23·6	23·5	22·6	23·2	22·4	23·2	21·9	23·2	22·7	23·9	21·9	22·4	22·0	22·5	21·8	21
22	24·2	23·5	23·5	22·7	23·2	22·0	23·2	21·9	23·1	22·2	23·9	22·7	22·7	22·2	22·5	21·8	22
23	24·2	23·7	23·2	22·3	22·9	21·9	22·5	21·7	23·2	22·3	23·9	22·7	22·2	21·7	22·5	21·8	23

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

(*To obtain temperatures in the Absolute Scale add* 273°)

APRIL 1916.

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

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

APRIL 1916.

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	903	916	897	913	886	910	889	917	894	915	885	923	907	916	891	912	Midnight
1h	904	919	896	920	889	911	890	915	893	915	888	918	903	913	890	914	1h
2	905	924	897	913	890	910	890	925	893	917	890	915	902	912	891	913	2
3	906	927	897	913	887	913	894	914	895	911	890	923	903	916	907	915	3
4	900	920	893	917	890	914	894	913	893	916	892	919	900	913	907	916	4
5	900	920	893	916	888	912	890	908	893	916	893	917	896	920	908	911	5
6	900	931	894	915	900	916	886	910	893	915	893	917	895	912	897	917	6
7	893	916	892	911	900	917	888	909	893	916	892	918	896	910	897	917	7
8	889	926	891	912	900	911	885	910	889	927	890	925	894	914	904	916	8
9	900	935	892	920	902	912	888	930	886	936	900	932	914	914	910	918	9
10	913	932	911	928	903	913	894	928	892	938	913	934	924	915	911	924	10
11	909	921	911	926	907	915	888	931	915	937	900	936	926	911	900	927	11
Noon	910	923	913	919	910	925	906	930	908	941	913	933	943	900	912	930	Noon
13h	907	917	915	938	900	931	906	931	885	937	907	932	929	911	912	930	13h
14	904	921	912	930	907	936	889	928	885	938	911	929	925	890	911	931	14
15	918	918	911	927	900	930	900	946	908	941	922	932	881	908	900	927	15
16	908	918	883	900	879	886	894	931	900	944	906	928	909	887	900	940	16
17	910	915	893	890	892	892	889	928	900	941	914	921	905	912	895	936	17
18	904	910	897	895	894	894	897	916	893	934	906	915	893	915	896	923	18
19	906	913	893	891	890	907	897	915	895	925	903	914	895	912	904	919	19
20	903	917	883	907	890	915	896	918	892	919	893	917	893	917	900	920	20
21	900	915	891	904	892	910	897	913	891	922	895	912	891	912	896	922	21
22	897	915	886	906	891	913	895	913	893	921	893	917	891	912	898	918	22
23	896	921	886	906	891	913	895	922	893	916	909	912	891	913	898	911	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	893	916	897	917	897	915	893	916	896	910	891	921	876	936	887	919	Midnight
1h	894	914	900	921	897	914	895	912	893	915	895	912	884	924	900	941	1h
2	900	921	900	916	894	914	896	910	893	915	900	914	890	924	900	935	2
3	894	929	903	915	895	911	896	910	897	916	900	917	891	921	887	943	3
4	892	919	904	918	897	917	894	913	893	917	890	914	892	939	895	934	4
5	900	937	903	913	897	917	894	914	893	916	888	915	888	930	889	926	5
6	900	928	890	914	897	914	893	915	894	916	891	912	900	938	900	917	6
7	900	918	900	916	896	919	895	911	906	914	891	909	900	933	893	931	7
8	914	922	904	921	897	913	894	915	910	915	885	909	892	930	887	917	8
9	913	934	912	930	904	920	910	921	908	910	886	915	900	941	920	934	9
10	913	933	918	927	905	925	910	924	908	919	880	914	893	944	911	930	10
11	930	930	914	921	906	928	914	915	931	918	894	920	887	935	905	927	11
Noon	916	916	909	921	906	931	911	914	939	921	890	930	877	933	900	926	Noon
13h	913	932	910	924	912	931	911	911	929	908	885	925	900	934	900	935	13h
14	932	913	910	925	925	925	915	911	866	911	888	915	892	948	880	925	14
15	933	913	911	923	914	921	906	924	887	914	889	919	892	940	885	948	15
16	921	914	907	917	918	918	909	914	887	906	889	928	887	938	889	937	16
17	916	916	906	916	911	911	907	921	908	913	890	929	889	933	907	929	17
18	900	911	900	913	908	908	908	916	905	919	885	924	889	928	910	934	18
19	904	910	900	914	897	917	903	918	906	912	889	923	885	927	900	924	19
20	888	918	897	914	897	914	896	917	907	913	887	929	888	924	890	920	20
21	896	921	897	914	897	917	894	918	896	916	887	932	888	931	885	924	21
22	896	918	897	914	897	916	893	915	895	918	878	932	887	931	887	923	22
23	896	918	897	913	897	913	895	915	895	924	878	933	887	920	887	919	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs, and are published to the nearest metre*).

APRIL 1916.

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	884	924	909	913	893	890	896	913	885	903	885	915	893	910	887	909	Midnight
1h	889	929	919	908	897	895	894	915	886	906	887	913	891	912	887	909	1h
2	893	915	908	902	894	892	896	910	885	907	887	919	893	917	890	908	2
3	890	924	911	902	893	891	894	913	883	911	889	917	890	915	889	908	3
4	890	923	907	901	894	894	893	917	885	910	886	921	893	909	887	913	4
5	891	921	909	904	894	894	890	914	890	908	887	919	886	921	887	909	5
6	904	921	906	903	892	892	893	917	884	907	888	919	889	917	893	904	6
7	895	923	882	882	894	894	893	916	883	907	888	918	888	918	890	908	7
8	895	922	930	880	895	895	897	908	886	906	893	910	892	910	889	929	8
9	906	930	929	871	895	895	904	910	879	896	892	911	875	917	892	941	9
10	924	924	928	858	892	892	904	909	889	889	896	918	889	928	882	945	10
11	918	912	920	851	900	882	907	883	900	878	904	919	889	927	890	947	11
Noon	912	919	932	851	900	874	887	867	891	879	905	922	882	927	891	945	Noon
13h	906	914	943	857	878	867	876	864	891	879	880	892	882	927	900	944	13h
14	934	923	923	865	878	868	882	855	921	904	891	887	880	930	871	929	14
15	922	914	909	857	887	866	858	872	919	896	887	881	894	928	868	932	15
16	918	918	929	871	886	878	875	875	914	897	893	884	894	929	891	946	16
17	913	913	935	865	889	911	889	871	916	907	895	888	879	921	892	940	17
18	908	908	909	857	894	914	896	893	911	905	888	909	878	922	894	929	18
19	905	922	883	874	896	910	895	893	889	911	892	908	883	911	883	941	19
20	905	924	888	882	892	918	882	900	880	913	893	907	871	929	884	939	20
21	905	922	892	889	890	915	878	905	882	912	889	911	887	913	887	933	21
22	907	917	889	883	891	913	880	904	885	910	881	919	889	911	886	936	22
23	906	913	889	884	891	913	888	902	887	909	887	919	887	913	887	933	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	879	931	893	916	888	918	888	902	883	925	881	919	891	915	Midnight
1h	881	928	893	917	886	921	891	902	886	922	885	915	893	916	1h
2	885	923	893	915	888	919	887	906	889	917	885	915	893	915	2
3	882	918	893	916	887	919	889	908	891	913	883	917	894	916	3
4	878	932	893	916	890	915	888	909	890	915	887	913	893	916	4
5	877	935	894	913	886	921	887	913	887	919	882	918	892	917	5
6	890	925	892	918	886	921	888	912	887	920	886	921	893	916	6
7	891	921	894	915	893	910	891	909	888	919	887	920	893	914	7
8	880	920	893	916	893	910	894	906	890	915	882	918	895	914	8
9	865	935	895	924	900	912	881	912	887	933	892	940	896	921	9
10	890	948	906	930	913	906	888	912	887	933	900	950	904	922	10
11	888	961	907	932	911	905	894	885	907	934	900	946	905	919	11
Noon	879	952	922	932	923	890	888	902	879	932	890	951	905	918	Noon
13h	877	935	913	920	933	893	895	922	878	933	911	952	902	918	13h
14	865	953	915	924	926	895	900	918	894	930	892	937	904	916	14
15	889	955	918	918	897	883	885	900	900	931	906	930	900	916	15
16	884	940	917	917	898	889	900	910	894	931	900	925	899	914	16
17	889	954	907	909	900	889	889	917	891	922	884	939	899	915	17
18	889	928	907	916	900	891	891	912	890	924	864	936	897	913	18
19	887	933	906	913	900	888	890	914	891	912	878	933	895	913	19
20	885	923	905	912	900	882	889	916	884	916	884	924	892	915	20
21	890	925	896	918	891	902	886	921	887	913	895	924	892	916	21
22	892	919	894	915	890	902	889	917	887	913	896	918	891	916	22
23	891	921	893	915	891	902	889	916	883	917	896	921	892	915	23

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

APRIL 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour. \ Day.
Midnight	1·6	1·3	1·7	2·0	1·6	2·7	1·8	1·5	1·8	1·7	1·5	1·8	1·1	2·3	4·3	2·3	Midnight
1h	1·9	2·0	1·6	1·8	1·7	2·1	1·3	1·7	1·5	2·1	1·4	1·3	1·7	1·3	2·9	4·1	1h
2	2·5	1·3	1·4	2·7	1·9	1·8	1·2	1·6	2·1	1·6	1·5	1·1	1·7	1·4	2·6	3·5	2
3	2·8	1·4	1·9	1·5	1·2	2·5	1·6	1·7	3·0	1·5	1·2	1·1	1·6	1·7	2·3	4·3	3
4	2·0	1·9	1·7	1·4	1·8	2·1	1·3	1·8	2·1	1·8	1·7	1·4	1·7	1·4	4·0	3·6	4
5	2·0	1·8	1·7	1·3	1·8	1·9	2·0	1·4	3·7	1·3	1·7	1·5	1·8	1·8	3·2	2·7	5
6	3·1	1·6	1·6	1·7	1·7	1·9	1·3	1·7	2·8	1·7	1·4	1·7	1·8	1·7	3·8	2·0	6
7	1·8	1·4	1·7	1·5	1·8	2·0	1·1	1·7	1·8	1·6	1·9	1·2	1·5	1·3	3·3	3·1	7
8	2·8	1·5	1·1	1·8	2.9	2·7	1·5	1·6	2·6	2·2	1·3	1·6	1·6	1·3	3·0	1·9	8
9	3·5	2·2	1·2	3·2	3·9	3·2	2·0	1·8	3·6	3·2	2·0	2·1	1·4	2·1	4·2	3·6	9
10	3·4	3·0	1·3	2·9	3·9	3·6	2·8	2·6	3·5	3·2	2·6	2·6	2·1	2·0	4·4	3·6	10
11	2·3	2·8	1·7	3·3	4·0	3·6	2·8	2·9	4·3	2·5	2·9	1·8	2·0	2·9	3·6	2·9	11
Noon	2·5	2·3	2·7	3·1	4·2	3·5	4·3	3·0	2·3	2·3	3·2	2·0	3·7	3·1	3·5	2·7	Noon
13h	1·9	4·1	3·1	3·2	4·0	3·3	3·1	3·2	3·4	2·6	3·3	1·6	4·0	2·7	4·1	3·5	13h
14	2·1	3·2	3·7	3·0	4·1	3·1	2·7	3·3	3·4	2·7	3·5	1·5	3·1	2·1	4·8	2·5	14
15	2·6	2·9	3·0	4·6	4·2	3·9	2·1	2·9	3·5	2·5	2·5	2·8	3·7	2·2	4·1	5·2	15
16	2·0	1·7	2·5	3·2	4·4	2·9	1·6	4·0	2·5	2·0	2·5	1·5	1·4	3·0	3·9	4·0	16
17	1·8	1·2	1·1	3·0	4·1	2·5	1·3	3·6	2·3	1·8	1·5	2·3	1·8	3·1	3·5	3·1	17
18	1·1	0·6	0·9	1·6	3·5	1·6	1·7	2·4	1·1	1·4	1·2	1·8	2·1	2·6	3·0	3·5	18
19	1·4	1·1	1·2	1·5	2·6	1·4	1·3	1·9	1·1	1·4	1·7	2·0	1·3	2·7	2·9	2·6	19
20	1·7	1·9	1·8	1·8	2·1	1·9	1·9	2·0	2·1	1·4	1·4	1·7	1·4	3·1	2·8	2·0	20
21	1·5	1·0	1·3	1·3	2·4	1·3	1·5	2·2	2·2	1·4	1·7	1·8	1·8	3·4	3·3	2·6	21
22	1·5	1·5	1·6	1·3	2·3	1·9	1·5	1·8	1·8	1·4	1·6	1·6	1·8	3·4	3·3	2·7	22
23	2·1	1·5	1·6	2·3	1·8	1·5	1·6	1·1	1·8	1·3	1·3	1·7	2·5	4·0	2·4	2·3	23

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

TABLE XIII.—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 1916.

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

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of APRIL 1916.

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	29·2	28·7	28·3	28·1	28·0	28·1	28·5	28·8	29·4	28·4	27·8	27·5	27·7	28·2	29·1	29·1	28·2	27·1	26·2	26·6	28·3	30·6	30·7	29·2
2	28·7	28·4	28·2	27·8	27·6	28·0	29·3	30·0	28·7	27·9	27·5	27·1	27·3	28·7	29·8	30·0	29·2	26·2	25·5	25·6	29·8	34·2	30·1	28·5
3	30·0	29·0	28·6	28·4	27·7	28·2	28·6	28·8	30·0	28·6	28·0	27·7	27·3	28·7	29·3	29·2	28·5	27·2	26·5	26·7	29·8	31·8	30·5	28·8
4	28·9	28·5	28·4	27·8	27·7	28·1	28·8	29·3	28·6	28·0	27·6	27·1	27·4	28·6	29·7	29·9	27·5	26·3	25·7	25·6	29·6	32·7	33·0	30·2
5	29·3	28·9	28·8	28·1	27·8	28·5	29·1	29·6	29·2	28·4	27·7	27·3	27·6	29·3	30·3	30·2	27·9	26·7	25·6	25·8	30·1	35·0	33·1	30·1
6	28·5	29·2	28·9	28·5	28·3	28·6	29·5	29·4	28·6	28·9	28·2	27·7	28·1	29·3	30·8	30·6	29·6	27·3	26·5	26·9	30·6	34·4	33·9	30·9
7	30·0	29·6	29·2	28·8	28·6	28·8	29·3	29·5	30·1	29·2	28·6	28·2	28·6	29·4	30·1	29·8	29·6	27·9	26·8	27·5	30·6	32·1	31·2	29·3
8	29·7	29·0	28·5	28·2	28·1	28·5	29·1	29·6	30·1	28·5	27·9	27·6	27·9	29·0	30·2	30·2	29·7	26·6	26·1	26·6	30·3	32·9	33·0	30·4
9	29·6	29·2	28·4	28·5	28·1	28·5	28·9	29·0	29·4	28·8	27·8	27·8	28·1	28·8	29·1	29·0	28·2	27·2	26·4	26·8	29·4	30·7	29·6	28·2
10	28·9	28·5	28·2	28·0	27·9	28·0	28·2	28·5	28·4	28·0	27·6	27·3	27·5	28·0	28·6	28·6	27·3	26·3	25·7	26·6	27·6	30·5	29·9	28·2
11	28·5	28·1	28·0	27·6	27·4	27·6	28·1	29·7	28·6	27·5	27·2	26·7	26·8	27·7	28·8	29·6	26·3	25·9	25·1	25·1	27·6	31·2	29·0	29·1
12	29·7	28·2	27·9	27·6	27·4	27·7	28·5	29·1	29·6	27·7	27·1	26·7	26·8	28·3	29·6	32·7	29·1	25·8	25·0	25·3	29·0	33·6	33·0	30·1
13	29·9	28·6	28·2	27·9	27·7	27·7	28·4	28·4	28·8	28·2	27·5	27·2	27·2	28·9	28·7	28·5	27·8	26·7	25·6	25·8	28·2	31·6	29·6	27·4
14	28·5	27·9	27·7	27·5	27·3	27·3	27·6	27·7	28·5	27·5	27·0	26·6	27·2	27·3	27·7	27·3	27·4	25·9	25·2	25·2	27·2	28·5	27·7	26·6
15	27·6	27·3	27·0	26·9	28·2	26·6	26·6	26·6	27·0	26·6	26·3	25·6	25·6	26·1	26·2	26·2	25·6	25·1	24·7	24·8	25·3	26·0	26·0	24·6
16	26·5	26·3	26·2	26·0	25·7	25·7	26·0	26·1	25·9	25·5	25·2	25·1	25·1	25·5	26·0	25·8	24·6	24·0	24·1	24·0	25·0	26·6	25·7	24·9
17	25·7	25·8	25·7	25·5	25·3	25·4	25·6	25·6	25·8	25·2	24·9	24·6	24·6	25·2	25·9	26·0	25·1	23·9	23·7	23·6	24·3	26·6	27·0	25·8
18	26·2	25·9	25·9	25·7	25·7	26·0	26·6	26·9	25·9	25·6	25·3	25·2	25·4	26·4	27·1	27·2	23·7	24·7	24·4	24·4	27·0	28·9	28·7	26·2
19	26·9	26·7	26.7	26·3	26·2	26·6	27·5	27·8	26·7	26·4	26·3	25·6	26·0	27·3	28·3	28·3	25·7	25·1	24·9	24·5	29·3	31·5	30·7	28·6
20	27·7	27·5	26·9	26·6	26·4	26·7	27·4	27·9	27·7	26·9	25·9	25·5	25·8	27·2	28·4	28·5	26·4	24·9	23·3	23·6	28·3	32·3	31·6	28·8
21	28·0	27·5	27·2	26·6	26·3	26·5	27·1	27·3	28·7	26·8	26·3	25·5	25·6	26·7	27·5	27·4	26·2	24·6	23·7	23·8	27·5	29·8	29·0	27·4
22	27·3	26·9	26·5	26·2	25·9	26·2	26·8	27·3	27·3	26·0	24·5	24·8	25·1	26·5	28·0	27·6	25·1	23·9	22·7	22·9	26·4	30·0	29·8	27·9
23	27·2	26·9	26·7	26·5	26·1	26·3	27·0	27·5	26·8	26·3	25·6	25·2	25·3	26·7	27·9	27·9	25·2	24·6	23·2	22·9	27·8	31·3	30·9	28·1
24	27·9	27·2	26·5	26·3	26·0	26·3	26·7	27·0	27·0	26·4	25·8	25·2	25·3	26·6	27·1	27·0	25·5	24·5	23·5	23·3	26·8	29·0	28·5	26·7
25	26·2	26·5	26·2	26·1	25·9	26·2	26·7	27·2	26·4	25·9	25·6	25·2	25·5	26·5	27·6	27·5	24·7	24·4	23·7	23·9	27·3	30·9	30·0	27·3
26	27·5	26·7	26·4	26·0	25·8	26·0	26·6	26·9	27·4	26·0	25·5	25·0	25·1	26·2	27·1	27·0	25·2	24·1	23·3	23·2	26·4	29·4	28·7	26·6
27	27·2	26·6	26·2	25·9	25·6	25·9	26·8	27·2	26·8	25·8	25·3	24·8	25·1	26·3	27·7	27·7	25·1	22·9	23·0	23·1	27·2	31·1	30·2	28·0
28	27·2	27·0	26·6	26·4	26·1	26·4	26·6	26·7	27·1	26·6	25·6	25·6	25·7	26·5	26·7	26·6	26·2	25·2	24·0	24·1	27·1	27·8	27·4	26·0
29	26·9	26·0	26·0	25·6	25·4	25·6	26·3	26·7	24·7	25·3	24·8	24·4	24·7	25·8	26·9	26·9	25·2	23·3	22·3	22·5	26·5	30·3	29·0	26·7
30	26·6	26·3	25·8	25·6	25·3	25·5	26·1	26·6	26·2	25·4	24·8	24·5	24·5	25·8	26·9	26·8	24·7	23·3	22·5	22·4	26·0	29·9	29·2	26·9
Mean	28·07	27·63	27·33	27·03	26·85	27·05	27·61	27·96	27·85	27·08	26·51	26·14	26·33	27·38	28·24	28·30	26·68	25·39	24·63	24·77	27·87	30·70	29·89	27·92

* Direct. ** Retrograde. § One revolution direct.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of APRIL 1916.

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.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
April 1d		1·6	...	6·6	16·2	...	...	...	2·3	...	...	4·6	0·2	1·3	...	...
2		...	...	...	0·2	...	...	...	...	5·5	...	...	...	...	...	...
3		25·3	...	2·3	1·8	2·3	1·5	1·8	...	7·6	...	0·5	...	...	7·1	...
4		...	...	...	2·5	...	...	1·0	...	...	6·6	...	...	...	7·6	1·4
5		...	...	...	...	...	...	...	2·8	1·3	0·8	...	1·5	...	...	...
6		...	2·5	...	...	1·5	16·0	4·6	19·6	...	3·6	15·7	1·8	3·8	5·3	1·3
7		2·0	6·3	6·4	2·8	7·9	...	5·6	7·6	44·2	12·4	52·1	1·3	8·6	3·8	19·4
8		15·6	9·4	12·7	26·4	22·6	4·3	15·3	3·3	...	10·2	3·8	61·2	49·5	26·4	24·4
9		2·9	2·5	4·8	7·4	26·2	8·1	6·3	3·5	65·0	10·9	...	31·2	50·0	78·0	2·5
10		1·4	...	6·6	30·2	9·1	8·1	4·3	8·9	...	8·4	1·8	8·6	25·4	28·7	...
11		...	...	1·0	1·0	1·5	1·3	...	1·5	...	...	5·1	5·8	5·1	4·8	...
12		...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...
13		...	1·5	...	...	...	...	...	...	24·9	...	...	...	16·5	...	20·0
14		7·4	0·8	...	13·7	24·9	6·6	3·3	4·1	8·6	12·9	10·2	33·5	...	10·2	40·0
15		0·8	40·1	7·6	9·4	6·6	5·3	4·8	14·5	...	6·3	...	14·7	3·8	2·8	26·9
16		35·3	42·4	68·3	41·4	56·9	38·1	32·5	25·1	88·4	28·7	...	62·0	35·6	33·3	37·0
17		80·2	4·0	47·0	33·3	47·1	70·9	52·3	77·2	15·2	33·8	78·7	25·9	24·1	30·0	17·3
18		4·0	8·1	8·9	4·3	10·9	16·8	13·0	21·8	20·3	21·1	17·3	19·3	17·8	19·6	9·3
19		16·3	...	14·0	18·5	29·0	33·0	14·0	21·6	...	5·8	19·0	21·8	10·7	15·2	...
20		...	...	...	0·3	0·7	29·7	14·0	24·4	...	...	2·5	...	...	...	...
21		...	...	...	...	...	...	...	...	...	...	1·5	...	...	...	...
22		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23		...	...	...	...	...	...	...	...	...	...	...	...	3·0	...	1·2
24		...	1·0	...	...	...	...	...	...	30·0	...	...	...	...	...	3·2
25		8·2	...	5·1	2·0	5·3	23·2	4·8	13·2	1·3	17·8	8·9	15·0	7·1	17·0	...
26		...	...	...	0·5	...	...	...	0·8	...	...	...	...	2·5	6·4	...
27		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28		...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...
29		...	...	...	...	...	...	...	...	...	...	...	...	5·2	...	50·1
30		...	1·0	...	...	0·7	...	8·6	4·6	73·2	24·4	...	27·7	8·1	...	25·8
Total ...	...	201·0	119·6	191·3	201·9	253·2	262·9	186·2	256·8	385·5	203·7	222·5	332·0	278·1	296·2	269·8

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of APRIL 1916.

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.	Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
April 1d	3·0	...	3·8	...	8·0	...	0·8		5·3	...	...	...	0·1	...		...
2	...	...	...	...	...	...	7·9		7·1	...	0·5	...	...	...		...
3	...	...	...	...	...	...	23·4		...	18·0	...	11·2	11·4	3·1		36·6
4	...	...	0·5	...	...	...	5·1		...	2·0	...	27·9	19·2	...		11·2
5	2·0	3·8	0·5	...	...	...	...		...	0·3	1·5	...	0·1	1·5		1·8
6	3·5	2·3	0·2	1·8	3·0	25·9	...		7·9	...	1·5	...	0·8	10·2		...
7	...	...	0·5	...	...	30·5	76·1		3·0	...	3·8	...	0·1	29·5		9·1
8	39·0	16·2	41·4	36·1	12·5	25·4	21·3		14·2	2·3	88·1	8·9	12·7	14·8		0·2
9	8·0	16·0	24·9	21·1	8·0	...	5·1		14·0	...	5·1	6·4	...	20·3		1·3
10	2·0	21·3	23·9	16·5	15·0	11·4	5·8		11·4	6·9	7·6	15·2	14·3	0·5		18·5
11	2·0	...	1·5	3·8	1·0	...	10·7		...	...	0·5	...	1·0	...		...
12	...	...	...	...	...	...	4·8		...	...	...	...	0·7	...		...
13	...	...	...	...	...	10·2	...		29·0	1·0	0·8	...	0·1	37·8		...
14	1·5	43·9	33·0	29·2	15·5	9·6	7·1		1·5	88·4	7·9	7·6	37·0	7·9		...
15	...	8·4	4·3	22·6	3·0	10·9	17·3		...	8·2	26·4	...	1·1	20·3		...
16	28·0	47·0	71·1	39·4	38·0	25·4	6·6		20·3	6·3	53·3	22·9	3·5	49·0		7·1
17	50·0	96·0	33·0	88·9	44·0	8·1	28·2		11·2	42·4	29·2	29·7	34·5	13·7		24·9
18	9·0	15·2	8·4	15·0	13·0	16·3	8·1		18·8	7·1	5·1	12·7	9·1	41·4		7·6
19	8·0	18·3	8·9	9·6	7·0	...	17·8		3·9	36·8	24·1	35·8	21·9	...		20·6
20	3·0	...	1·0	...	1·0	...	...		...	...	...	...	0·3	...		...
21	...	...	...	...	...	...	...		...	...	...	...	...	...		...
22	...	...	...	...	...	...	...		...	...	...	...	...	...		...
23	2·0	...	...	...	1·0	...	...		...	...	...	...	...	...		...
24	...	4·3	0·8	...	1·0	5·1	...		...	...	2·8	...	...	12·7		...
25	2·0	8·6	26·5	6·1	14·0	...	3·6		...	2·1	22·4	...	1·0	...		...
26	...	...	...	...	...	...	...		...	...	...	...	0·7	...		...
27	...	...	...	...	1·0	...	...		...	...	0·5	...	0·1	...		..
28	...	...	...	...	...	...	16·0		2·0	...	2·5	...	0·5	...		...
29	...	...	...	...	...	...	...		...	...	...	...	6·8	...		...
30	...	5·1	16·8	...	12·0	13·7	4·3		1·3	4·8	21·2	...	...	18·0		3·6
Total ...	163·0	306·6	302·0	290·1	198·0	192·5	270·0	...	150·9	226·6	304·8	178·3	177·5	280·7	...	142·5

Observations discontinued temporarily.

* Residence. § Record not received.

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

APRIL 1916.

Royal Alfred Observatory, Pamplemousses.

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

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

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of APRIL, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	1	Mare Sèche	20	7·68	195·1	117·8	16
	2	Union *	200	7·74	196·6	127·3	14
	3	St. Antoine	50	7·91	201·0	137·9	13
	4	Belmont...	50	8·48	215·3	141·2	13
	5	Poudre d'Or	20	6·89	175·1	139·7	13
	6	Poudre d'Or Hospital ...	10	6·90	175·2	94·7	8
	7	Mon Loisir (R) ...	300	8·51	216·2	125·0	14
	8	Mon Loisir S.E. ...	300	7·48	190·0	120·1	14
	9	Forbach	300	6·02	153·0	101·1	12
	10	Labourdonnais	290	4·71	119·6	158·7	12
	11	Beau Séjour	300	7·53	191·3	191·0	13
	12	Mont Piton	860	7 99	202·9	190·8	14
	13	Mon Choix	700	8·53	216 7	188·5	11
	14	Antoinette	640	10·85	275·6	168·1	16
	15	California	850	10 94	277·9	174·0	12
	16	Nouvelle Découverte ...	1,400	9,97	253·2	183·1	16
	17	Mon Songe	620	12·56	319·0	199·9	17
	18	La Grande Rosalie ...	643	9·99	253 7	195·8	12
	19	The Mount	325	9·39	238·5	153·2	11
	20	Botanic Gardens ...	325	7·95	201·9	147·6	18
	21	Beau Plan	195	6·41	162·8	115·6	11
	23	The Observatory ...	179	5·57	141·6	116·3	17
	23	Solitude...	175	5·87	149·1	91·7	10
	24	St. André	90	6·90	175·3	113·8	8
	25	Belle Vue Harel ...	350	5·68	144·3	113·3	11
	26	Mon Choisy *	10	7·19	182·6	107·2	16
	27	Belle Vue Pilot * ...	...	9·07	230·4	...	15
	28	Rosalie §	...	...	...	...	...
	29	Constance §	...	...	..	...	...
	30	Belle Vue Maurel * ...	...	9·45	240·0	..	14
	31	Esperance (Trébuchet) *	...	5·56	141·2	...	9
	32	Schœnfeld *	...	5·01	...	...	10
	33	Industrie *	...	8·31	211·1	...	12
	34	St. François Estate * ...	...	12·68	322·1	...	14
	35	Réunion Estate * ...	...	9·36	237·7	...	14
	36	Souvenir *	...	9·75	247·6	...	9
	37	Mon Rocher *	...	6·07	154·2	...	11
	38	Bon Espoir §	...	...	...	...	...
	39	Ile d'Ambre *	...	7·40	188·0	...	16
	40	La Salette *	...	8·07	205·1	...	16
	41	Leclézio Mapou * ...	...	8·83	224·3	...	12
2 & 3	1	Union Régnard ...	600	12·39	314·7	207·0	18
	2	La Grande Retraite ...	350	11·50	292·1	193·5	14
	3	Constance d'Arifat L.G.	100	7·33	186·2	169·7	16
	4	St. Julien Church ...	1,050	10·11	256·8	189·7	18
	5	Rich Fund *	600	10·35	262·9	...	14
	6	Constance S. E. * ...	...	7·55	191·8	...	13
	7	Queen Victoria * ...	...	12·58	319·5	...	16
	8	Belle Mare *	...	12·12	307·9	...	16
	9	Bel Etang (Lesur)* ...	...	12·86	326·6	...	15
	10	Bon Espoir §	...	...	...	...	...
	11	Belle Vue (Allendy) *...	...	7·39	187·7	...	15
4	1	Sans Souci	900	15·18	385·5	353·8	13
	2	Etoile	400	8·02	203·7	279·9	15
	3	Beau Champ	20	8·76	222·5	170·4	15
	4	Belle Rive *	400	12·05	306·1	...	15
	5	Olivia *	400	9·29	236·0	...	15
	6	Deep River *	350	16·25	412·7	...	15
	7	Unité *	...	13·96	354·6	...	15
	8	Belle Rose Estate * ...	...	9·38	238·2	...	15
	9	La Lucie Estate * ...	...	10·57	268·5	...	14
	10	La Lucie (Residence)*...	...	11·22	285·0	...	17
	11	Melrose *	...	11·40	289·6	...	13
	12	Bonne Veine *... ...	...	12·46	316·5	...	14
5	1	Rose Belle *	850	13·07	332·0	...	17
	2	Cent Gaulettes * ...	500	13·53	343·7	...	15
	3	St. Hubert *	400	13·91	353·3	...	18
	4	Riche-en-Eau	460	10·95	278·1	235·5	18
	5	Ferney	20	11·66	296·2	250·2	16
	6	Beau Vallon	60	10·62	269·8	135·9	15
	7	Union Vale	200	9·30	236·2	149·6	10
	8	Mon Désert (Carié) * ...	75	9·05	229·9	...	14
	9	Riche Bois *	1,420	9·83	249·7	...	13
	10	Cluny *	1,000	11·72	297·7	...	12
	11	Virginia Estate * ...	...	9·29	236·0	...	10
	12	Eau Bleue *	...	13·21	335·5	...	23
	13	Union Park *	...	13·34	338·8	...	17
	14	Plaisance Estate * ..	...	9·64	244·9	...	13
	15	Sauveterre Estate * ...	...	9·30	236·2	...	13
	16	Deux Bras Estate * ...	...	15·53	394·5	...	12
6	1	Kanaka	2,000	12·68	322·0	279·9	15
	2	Tivoli	1,300	9·96	253·0	274·8	17
	3	La Flora *	1,050	11·89	302·0	...	19
	4	Britannia (No. 1) ...	730	12·07	306·6	265·7	14
	4a	Britannia (No. 2)* ...	600	7·66	194·6	...	23
	5	Gros Bois	500	10·35	262·9	292·1	18
	6	Savannah (Residence) ...	200	8·97	227·8	192·5	15
	7	Savannah (Mill) ...	200	10·68	271·3	163·1	15
	8	St. Aubin	300	6·42	163·0	225·5	15
	9	Union B. A. St.Félix S.E.	90	8·33	211·6	218·7	14
	10	Beau Bois	350	7·80	198·0	211·3	18
	11	Labarracq (Resid.)* ...	250	11·46	291·1	...	12
	12	St. Avold *	900	11·46	291·1	...	15
	13	Terracine *	100	5·59	142·0	...	15
	14	Labarracq (Mill) * ...	250	11·42	290·1	...	12
	15	St. Felix Sugar Estate *.	...	6·10	154·9	...	13
	16	Bel Air *	...	8·09	205·5	...	12
	17	Chamouny *	...	8·95	227·3	...	13
	18	Union S.E. *	...	7·40	178·0	...	12
	19	Fontenelle *	...	6·81	173·0	...	11
	20	Combo *	...	7·61	193·3	...	13
	21	St. Felix (Wilson) * ...	...	8·33	211·6	...	15
	22	Joli Bois Estate * ...	...	13·83	351·3	...	17
7 & 8 9	1	Bel Ombre *	50	7·58	192·5	...	12
	2	Chamarel	400	10·63	270·0	118·9	19
	3	Beau Champ *	...	5·56	141·2	...	12
	4	Board *	...	7·35	186·7	...	10
	5	Ste. Marie *	...	5·40	137·1	...	12
	6	Médine Estate * ...	...	7·54	191·5	...	9
	7	Albion Estate * ...	...	5·60	142·3	...	7
	8	Anna Estate §	...	...	...	...	...
	9	Pierre Fond Estate * ...	...	5·16	131·1	...	7
10		No returns.					
11	1	Les Gorges	...	9·49	241·0	130·3	12
	2	Curepipe Gardens ...	1,840	5·76	146·3	262·4	13
	3	Mare aux Vacoas ...	1,850	12·00	304·8	313·4	20
	4	La Marie Filter Bed ...	1,700	6·45	163·8	174·2	14
	5	Réunion...	1,420	8·92	226·6	187·2	14
	6	Tamarin *	150	5·94	150·9	...	15
	7	Clarens§	150	...	...	...	...
	8	Les Salines (B.R.)§ ...	...	...	...	...	...
	9	Terrain Bonnefin * ...	...	9·76	247·9	...	20
	10	Chebel Estate *	...	7·70	195·6	...	11
12	1	The Manse	850	7·69	195·3	89·2	17
	2	The Bower	1,080	7·65	194·3	117·1	15
	3	Le Réduit (D. of A.) ...	1,000	6·99	177 5	122·9	23
	4	Alma	1,460	11·05	280·7	297·7	15
	5	Minissy *	1,150	8·65	219·7	...	13
	6	Bagatelle	1,250	8·33	211·5	158·0	15
	7	Highlands	1,300	7·79	197·9	140·7	11
	8	Trianon	950	6·87	174·5	159·0	17
	9	Salency	923	7·02	178·3	103·9	10
	10	Military Camp ...	1,370	...	...	...	...
	11	La Ferme *	350	5·61	142·5	...	12
	12	Bon Air...	1,050	6·30	160·0	141·0	13
	13	Val Ory...	1,100	6·61	167·9	115·6	22
	14	Pieter Both Estate * ...	...	12·27	311·7	...	11
	15	Roslyn Cottage Estate *	...	7·90	200·7	...	10
	16	Agrément Estate * ...	...	11·29	286·8	...	11
	17	Circonstance Estate * ...	...	12·38	314·4	...	10
	18	Le Réduit Grounds * ...	...	7·59	192·8	...	12
	19	Stanley *	...	7·37	187·2	...	12
	20	Ebène *	...	6·28	159·5	...	13
	21	Mon Rêve *	...	6·02	152·9	...	13
	22	Bégа *	...	5·53	141·0	...	12
	23	Bassin *...	...	4·92	125·0	...	9
	24	Hermitage *	...	10·95	278·1	...	11
	25	Côte d'Or *	...	8·92	226·5	...	13
	26	Mon Repos *	...	6·00	152·4	...	7
13	1	Salines (R.B.) § ...	10	...	...	...	...
	2	The Albion Dock ...	18	4·71	119·6	61·2	8
	3	Line Barracks§... ...	10	...	...	...	...

* Normals not available § Record not received 4 a Bon Acceuil ‡ Casela † A station at Mare aux Vacoas Reservoir.

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.*)

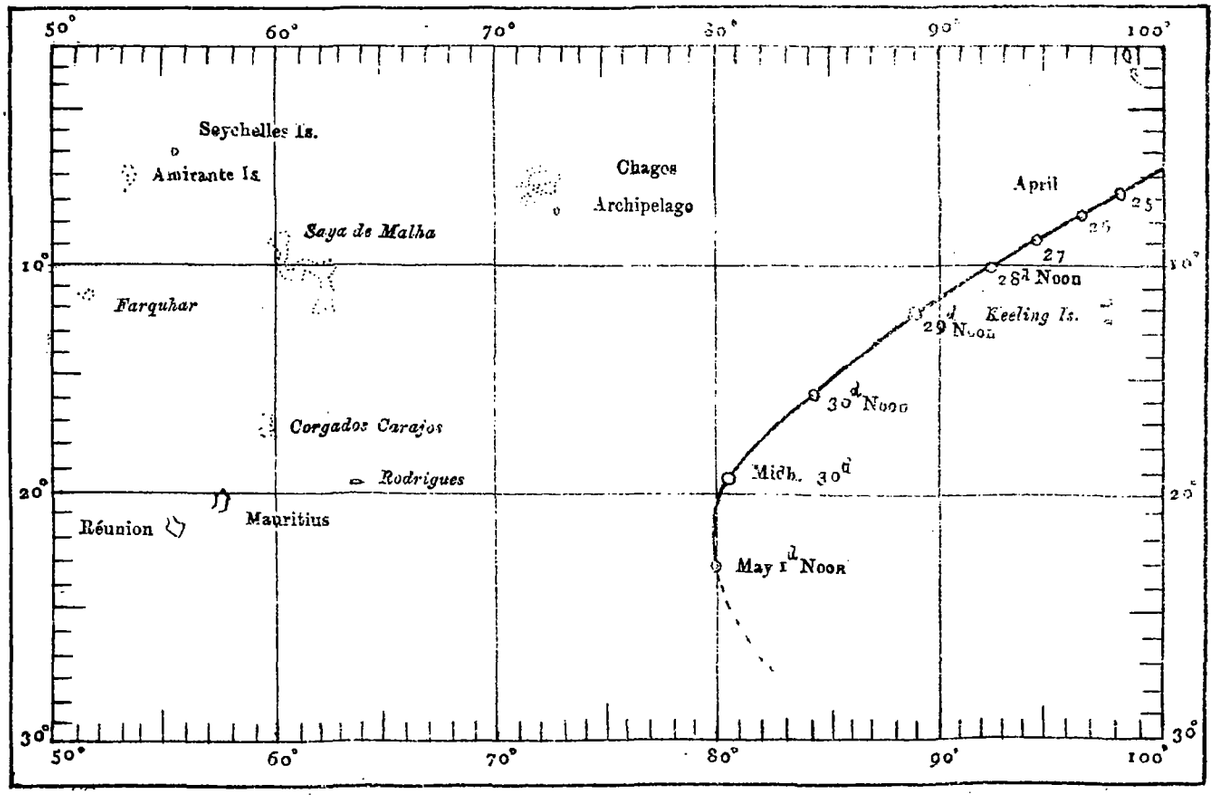
Day 1916.	Port Louis (N. to W.N.W.)	Trou aux Biches (N. to S.W.)	Grand Gaube (N. to S.E.)	Poudre d'Or (N.N.E. to E.S.E.)	Old Grand Port (E. to S.E.)	Souillac (South)	Baie du Cap (S.S.W.)	Case Noyale (W. to S.W.)
April 1	calm	calm	calm	calm	calm	calm	calm	calm
2	,,	,,	...	,,	,,	,,	,,	,,
3	,,	,,	...	,,	,,	,,	,,	,,
4	,,	,,	...	,,	,,	,,	,,	,,
5	,,	,,	...	,,	,,	,,	,,	,,
6	,,	,,	...	,,	,,	,,	,,	,,
7	,,	,,	...	,,	,,	,,	,,	,,
8	,,	,,	...	,,	,,	,,	,,	,,
9	,,	,,	...	,,	,,	,,	,,	,,
10	,,	,,	...	,,	,,	,,	,,	,,
11	,,	,,	...	,,	,,	,,	,,	,,
12	,,	,,	...	,,	,,	,,	,,	,,
13	,,	,,	...	,,	,,	,,	,,	,,
14	,,	,,	...	,,	,,	,,	,,	,,
15	light N. W.	,,	...	,,	light	,,	,,	,,
16	,,	...	...	,,	...	...	,,	,,
17	calm	...	...	,,	calm	choppy	,,	,,
18	light W.	mod.	...	,,	,,	calm	,,	,,
19	calm	light	...	,,	,,	,,	,,	,,
20	,,	...	...	,,	,,	,,	,,	,,
21	,,	calm	...	,,	,,	,,	,,	,,
22	,,	...	...	,,	,,	,,	,,	,,
23	,,	calm	...	,,	,,	,,	,,	,,
24	,,	,,	...	,,	...	,,	,,	,,
25	calm	,,	...	,,	calm	,,	,,	,,
26	,,	,,	...	,,	,,	,,	,,	,,
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.

(*Altitude 140 feet above sea level.*)

Day 1916.	Barometric Pressure at 9 a.m. (corrected for Temperature and reduced to L 45°.)	Wind. Direction at 9 a.m.	Wind. Mean Wind Velocity.	Amount of Rain measured at 9. a.m.	Weather.
	mbs.		met p. sec	mm.	
April 1	1010·4	E.b.N.	4·6	0·2	fine
2	1008·7	E.b.N.	4·0	...	,,
3	1008·0	E.b.N.	3·0	...	,,
4	1008·8	E.b.N.	1·7	...	,,
5	1009·2	E.S.E.	1·3	...	,,
6	1009·9	E.S.E.	2·2	2·0	cloudy.
7	1010·1	E.b.S.	3·6	0·2	,,
8	1009·8	E.b.S.	5·1	2·3	,,
9	1010·8	E.S.E.	...	...	fine.
10	1010·5	E.b.S.	0·5	..	cloudy.
11	1009·6	S.E.b.E.	3·1	...	,,
12	1008·9	E.b.S.	3·8	...	fine.
13	1007·5	S.E.b.E.	1·9	0·8	showery.
14	1009·0	E.S.E.	6·5	2·0	fine.
15	1009·1	E.S.E.	2·1	8·1	c. with occ : rain.
16	1008·9	E.S.E.	3·1	1·5	fine.
17	1007·8	E.b.N.	3·5	11·9	c : with occ : rain.
18	1005·3	East	2·5	...	cloudy.
19	1003·9	East	...	...	.....
20	1006·0	E.b.N	2·9	0·5	overcast.
21	1005·8	S.W.	1·6	11·7	cloudy.
22	1007·8	South	1·7	...	fine.
23	1007·4	S.S.E.	1·4	...	,,
24	1009·8	S.S.E.	...	...	,,
25	1010·2	S.S.E.	2·6	...	,,
26	1010·9	E.S.E.	2·4	...	,,
27	1009·6	E.b.S.	2·9	2·3	,,
28	1009·2	S.W.	1·4	0·5	,,
29	1008·6	S.S.W.	...	...	,,
30	1008·6	S.E.	2·6	...	,,
Mean	1008·7	...	2·8	44·0	.....

APPROXIMATE TRACK OF CYCLONE APRIL 25th-MAY 1st 1916.



NEW SERIES (MONTHLY). VOL. II. PART 5. PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

MAY, 1916.

DEC - 9 1916
Weather Bureau

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

Published by Authority of His Excellency the Governor.

MAURITIUS.
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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of MAY 1916.

Month and Day. 1916.	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. Date, 1916.	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	″	
May 1	9.46·8	·23191	·30740	8·6	52	24	May 9	1448	18.50·0	...	18.53·0	...	...	...	...	...	very feeble.
2	47·6	196	739	6·4	45	26	24	1449	2.57·7	2.59·2	3. 3·7	0·10	...	...	...	...	
3	47·2	191	740	6·6	28	15											
4	47·5	199	736	8·2	27	21											
5	47·2	200	731	9·8	32	28											
6	46·9	192	734	9·4	39	13											
7	47·2	196	733	6·6	45	15											
8	47·0	190	733	4·2	19	11											
9	47·7	194	730	5·4	28	14											
10	47·5	205	725	6·8	21	21											
11	47·7	194	726	6·0	56	16											
12	47·3	197	723	6·0	35	25											
13	47·1	202	722	5·0	33	16											
14	47·7	202	722	4·8	30	15											
15	47·6	207	718	5·0	25	19											
16	47·4	209	719	4·4	28	20											
17	47·5	211	714	6·0	39	25											
18	47·8	212	714	5·6	16	27											
19	47·3	216	716	5·6	26	10											
20	47·4	218	714	6·8	23	14											
21	47·5	203	715	6·0	79	18											
22	47·4	182	717	8·2	72	18											
23	46·5	188	717	4·0	39	11											
24	47·2	189	716	5·6	48	13											
25	47·4	194	715	7·6	34	24											
26	47·8	203	714	5·0	46	18											
27	47·3	197	712	6·4	38	13											
28	47·7	203	715	7·0	18	18											
29	47·5	207	712	6·2	31	22											
30	47·3	210	711	6·2	67	21											
31	47·4	184	714	5·2	48	20											
Mean	9.47·37	·23199	·30722	6·44	38·9	18·4	...	...	...	...	...	...	...	...	...	...	...

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of MAY 1916.

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	° ′
May 3. 8.41	9·48·9	May 3. 9.28	·23207	May 8.10.49	52.57·8
13.48	9.43·7	13. 7	·23176	10.10.41	52.55·5
9 8. 8	9.46·9	9. 9.26	·23197	13.10.44	52.55·3
13.45	9.46·7	13.26	·23184	22.10.23	52.54·9
17. 8·32	9.48·7	17. 9.21	·23225	27.11.39	52·55·5
13.46	9.46·0	12.52	·23224	30.10.54	52·53·6
31. 8.49	9.47·3	31. 9.52	·23192		
13·49	9.46·2	13.05	·23166		

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

MAY 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	46·6	47·8	48·2	47·2	47·0	47·4	47·8	48·2	48·1	47·7	48·1	47·7	47·7	47·7	47·3	47·3	Midnight
1h	46·6	48·2	48·2	47·2	46·8	47·4	47·6	47·4	48·1	47·5	48·1	47·7	47·7	47·9	47·7	47·7	1h
2	46·6	48·2	48·2	47·2	46·8	46·4	47·6	47·4	48·1	47·5	48·1	47·5	47·7	47·5	47·9	47·5	2
3	46·4	47·6	48·6	47·2	47·2	46·4	47·4	47·0	48·3	47·3	47·5	47·1	46·5	48·1	47·9	47·5	3
4	46·6	48·2	48·6	47·4	48·0	46·6	47·4	46·4	48·1	47·1	47·5	46·9	46·3	47·5	47·9	47·1	4
5	46·8	46·8	48·4	46·6	48·2	47·2	47·6	46·4	47·3	47·3	47·1	46·1	46·7	47·3	46·9	46·9	5
6	46·6	46·4	47·8	47·2	48·2	47·2	47·4	46·4	47·1	47·3	45·3	44·9	46·5	46·3	46·9	46·5	6
7	46·2	46·2	48·2	48·2	48·2	47·6	47·6	46·0	46·5	47·5	45·1	46·1	46·1	46·1	46·1	46·1	7
8	49·4	48·4	49·6	50·2	50·2	49·4	48·4	46·6	47·5	48·5	46·9	47·9	47·5	46·5	47·5	46·3	8
9	51·2	50·4	50·0	52·0	52·2	50·8	50·2	48·2	48·9	50·3	50·1	48·5	50·1	49·3	50·1	48·7	9
10	51·8	51·4	50·2	52·4	51·2	51·6	50·0	48·6	50·3	51·1	50·3	50·9	50·1	50·3	50·3	50·1	10
11	49·2	50·2	48·4	51·0	49·2	47·6	48·2	48·4	50·1	50·1	51·1	50·3	48·3	50·5	50·1	48·5	11
Noon	46·2	48·2	46·2	46·2	46·2	45·4	46·6	47·4	49·3	48·1	50·1	48·7	46·9	50·1	49·7	48·1	Noon
13h	44·0	46·0	44·2	45·6	44·4	43·0	44·8	46·2	46·9	46·7	48·5	46·1	45·9	49·1	46·7	46·3	13h
14	43·2	46·0	44·2	44·2	43·4	42·2	44·2	45·8	46·1	46·1	46·3	45·1	45·3	48·1	46·1	46·1	14
15	44·2	45·0	43·6	44·4	42·4	42·2	43·6	44·4	45·5	44·3	45·3	44·9	45·1	46·1	45·3	45·7	15
16	44·4	45·2	44·2	45·4	44·0	44·2	44·2	44·6	44·9	44·5	45·9	45·7	45·9	45·7	45·3	46·1	16
17	46·4	46·4	46·2	46·4	46·2	45·8	46·2	45·6	46·1	45·9	46·3	46·7	46·5	46·1	46·1	47·1	17
18	46·4	46·8	46·4	46·8	46·6	46·4	46·8	46·4	47·1	46·5	48·1	47·5	46·9	47·3	47·1	48·1	18
19	46·4	48·0	46·6	46·8	46·8	47·4	47·8	47·6	47·7	46·9	47·7	47·5	47·5	47·3	47·7	48·1	19
20	46·6	48·2	46·8	47·2	46·4	48·0	47·4	48·0	48·1	47·5	47·7	47·7	47·5	47·5	48·1	48·1	20
21	46·8	48·2	47·0	47·8	47·8	48·2	47·6	47·8	48·1	47·7	47·9	47·9	47·7	47·3	47·7	48·1	21
22	46·8	48·2	47·0	48·0	47·6	48·2	48·2	48·2	48·1	47·7	48·1	47·9	47·7	47·3	47·5	48·1	22
23	47·4	47·0	47·2	47·4	47·6	48·2	47·8	48·2	47·9	47·7	47·9	47·9	47·5	47·3	47·5	48·1	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. \ Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	48·1	47·7	47·2	47·2	47·4	49·2	48·0	48·0	48·0	48·0	48·0	48·0	47·7	47·9	47·9	47·7	Midnight
1h	48·3	47·7	47·2	47·8	47·2	48·0	47·8	47·4	48·0	48·0	48·0	48·0	47·7	47·9	47·1	47·7	1h
2	47·5	48·1	47·6	46·4	47·2	48·0	48·0	45·8	47·2	47·8	47·6	47·8	47·5	47·5	47·1	47·5	2
3	48·1	47·9	47·8	47·4	47·2	48·0	45·8	46·4	46·6	48·2	47·2	47·4	47·7	47·7	47·7	47·4	3
4	48·1	48·1	48·0	47·2	47·8	45·6	46·2	46·4	46·8	48·0	47·2	47·6	47·7	47·3	47·9	47·3	4
5	48·1	48·1	48·0	47·8	47·0	42·8	45·4	47·4	46·0	46·8	46·4	47·4	47·3	46·9	47·9	47·2	5
6	47·9	48·1	47·8	47·4	48·0	46·0	45·4	46·8	45·2	46·4	46·2	47·2	46·9	46·3	45·9	47·8	6
7	46·5	47·1	46·2	46·4	47·2	45·8	45·0	46·0	45·6	45·6	45·6	46·2	45·7	45·9	46·1	46·4	7
8	48·1	48·1	47·0	48·0	48·0	46·6	44·0	44·4	46·0	46·6	46·6	47·2	46·1	46·5	46·1	47·4	8
9	48·5	49·9	48·2	50·0	48·4	47·2	45·8	46·4	49·0	49·8	49·0	49·4	49·9	49·1	48·1	49·3	9
10	50·1	50·1	49·8	50·8	50·0	48·2	47·0	49·0	51·2	50·2	50·0	50·2	50·5	50·1	49·7	50·2	10
11	50·1	50·3	49·4	50·2	50·0	48·2	47·0	50·0	51·6	50·2	50·4	51·4	50·3	50·1	49·9	49·5	11
Noon	48·9	50·1	48·0	48·6	48·6	48·2	47·0	49·6	50·0	50·2	50·0	51·0	49·7	49·9	49·5	48·5	Noon
13h	48·1	48·1	45·8	46·2	46·6	48·4	46·2	48·0	49·4	49·2	48·0	48·4	47·3	47·9	46·7	46·7	13h
14	45·7	46·7	45·2	45·0	45·2	48·0	44·4	47·2	46·4	47·6	46·2	46·6	46·1	45·9	46·1	45·6	14
15	44·1	44·9	44·2	44·0	44·0	46·0	44·2	45·6	44·0	45·8	44·2	45·4	44·5	44·9	45·9	44·6	15
16	44·1	44·7	44·8	44·2	44·2	44·2	44·2	44·4	44·0	45·2	44·0	44·4	44·3	45·3	44·7	44·7	16
17	46·1	46·3	46·2	46·4	46·0	46·2	46·2	46·0	46·0	46·0	45·6	46·0	45·9	45·9	46·1	46·2	17
18	47·3	47·3	48·0	48·0	46·2	48·0	48·0	48·0	47·4	46·8	47·0	46·6	47·7	46·1	46·5	47·1	18
19	47·3	48·1	48·0	48·0	47·8	48·2	48·2	48·2	48·2	47·8	47·4	47·6	47·9	43·9	48·1	47·5	19
20	47·5	48·1	48·0	48·0	48·0	48·4	48·2	48·2	48·0	48·0	47·8	47·8	47·9	47·7	47·9	47·7	20
21	47·7	47·7	48·0	48·0	48·2	49·8	48·2	48·0	48·0	47·8	48·0	48·0	47·9	47·9	47·9	47·9	21
22	47·9	47·5	48·0	48·0	48·4	51·0	48·0	48·0	48·0	48·4	48·0	48·0	47·9	47·9	47·9	48·0	22
23	46·1	47·5	47·4	47·6	50·0	48·0	47·6	48·2	47·6	47·8	48·0	47·6	47·5	47·9	47·9	47·7	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

MAY 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	178	184	180	187	196	189	184	189	189	201	198	187	192	198	201	199	Midnight
1h	178	189	185	189	196	189	188	191	189	202	208	189	191	199	207	199	1h
2	182	188	188	190	197	198	189	183	191	202	200	192	192	200	204	208	2
3	183	197	187	194	197	206	189	190	192	207	202	198	198	199	205	206	3
4	185	197	188	200	198	207	190	195	190	209	207	201	199	198	205	207	4
5	189	198	191	196	203	216	192	199	192	209	211	208	199	200	208	213	5
6	191	199	194	197	206	213	198	199	208	216	211	199	199	202	208	215	6
7	199	206	202	205	206	217	201	199	200	218	219	212	205	209	217	218	7
8	207	205	201	206	206	216	206	196	198	217	219	219	206	214	224	218	8
9	202	197	206	207	189	199	211	192	202	215	219	200	208	217	221	218	9
10	208	208	199	207	197	190	210	195	193	210	200	197	216	218	218	218	10
11	218	212	206	214	207	202	215	189	184	211	210	209	217	218	218	218	11
Noon	222	215	203	213	210	201	215	189	186	210	203	209	222	207	210	226	Noon
13h	218	206	185	198	213	198	208	189	180	200	196	208	218	208	208	222	13h
14	213	197	197	203	207	188	199	183	181	200	185	191	211	209	216	212	14
15	199	189	196	203	205	159	199	180	185	197	163	190	204	198	208	198	15
16	183	196	186	196	203	155	198	180	196	199	180	190	198	197	199	199	16
17	170	192	179	189	199	179	196	182	198	199	169	190	198	188	199	199	17
18	170	190	178	190	206	182	196	187	198	199	170	190	193	188	199	199	18
19	173	191	180	194	205	184	195	189	199	199	172	187	189	197	202	199	19
20	179	196	182	195	188	178	191	189	198	197	171	184	193	199	200	204	20
21	180	197	184	196	181	179	175	188	199	198	180	190	198	198	199	199	21
22	183	197	186	196	187	186	170	187	199	199	181	191	198	198	201	201	22
23	183	170	187	195	192	186	180	190	198	209	192	192	199	199	199	201	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	216	206	212	205	213	153	176	184	181	192	192	200	202	198	189	192·6	Midnight
1h	220	210	214	210	214	157	178	183	183	192	193	198	200	208	195	195·0	1h
2	211	209	215	226	213	163	184	202	193	202	199	198	200	216	199	197·9	2
3	210	213	214	220	214	169	203	195	193	203	202	200	200	217	198	200·0	3
4	210	208	215	221	224	185	193	186	192	193	202	200	202	217	198	197·5	4
5	215	211	216	215	223	210	197	191	193	195	202	200	207	224	197	203·9	5
6	216	216	220	219	224	220	212	192	201	201	210	201	209	218	208	206·8	6
7	217	221	227	223	225	197	194	200	210	211	210	206	221	226	204	210·5	7
8	220	222	231	228	229	214	202	204	212	214	211	210	219	225	196	212·7	8
9	226	218	228	226	233	213	187	218	212	223	211	210	223	226	186	211·1	9
10	234	215	228	224	231	204	193	215	210	231	210	211	224	227	188	210·6	10
11	230	216	229	224	235	201	188	219	210	228	210	216	218	234	188	212·7	11
Noon	220	212	222	225	234	198	194	209	203	221	200	215	216	228	188	210·5	Noon
13h	219	216	206	223	212	184	187	183	194	221	190	211	208	226	169	203·4	13h
14	216	208	207	214	202	188	178	186	194	220	186	209	208	225	170	200·0	14
15	208	215	215	214	204	165	173	178	184	203	179	204	198	214	184	193·9	15
16	199	209	211	212	208	142	173	171	178	191	173	198	198	208	180	190·5	16
17	195	208	216	214	192	166	179	174	179	185	182	192	200	212	173	190·1	17
18	198	207	216	214	176	184	182	175	189	194	192	198	208	187	169	191·1	18
19	207	207	214	215	167	175	184	175	185	193	193	199	209	167	180	191·1	19
20	199	207	208	214	157	175	183	173	192	193	193	200	206	175	171	190·0	20
21	199	211	207	214	166	161	174	174	183	189	193	201	197	185	160	188·9	21
22	196	210	205	213	157	168	192	183	182	194	194	198	193	189	160	190·1	22
23	200	213	205	215	156	176	194	179	196	194	195	207	206	188	170	192·5	23

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

MAY 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	743	742	741	741	737	736	737	737	734	730	727	727	724	722	720	720	Midnight
1h	742	742	740	740	736	735	736	734	733	730	727	728	724	722	720	719	1h
2	742	740	739	739	735	733	735	734	733	730	727	728	724	722	720	719	2
3	742	740	739	739	735	732	735	734	733	730	727	726	724	722	720	719	3
4	743	740	739	738	735	732	735	732	732	729	727	727	724	723	720	719	4
5	743	740	740	739	734	732	734	733	731	729	726	726	725	723	721	720	5
6	743	741	739	739	734	731	734	732	731	728	725	725	725	724	721	720	6
7	743	741	741	739	736	732	734	732	729	728	724	725	724	722	720	720	7
8	747	747	745	743	741	736	736	735	731	732	729	728	727	724	724	724	8
9	749	750	746	743	741	739	737	739	735	733	732	730	728	727	725	727	9
10	746	747	743	741	737	737	735	737	736	729	731	733	723	728	722	725	10
11	734	738	739	734	727	731	733	732	734	722	725	724	717	723	717	718	11
Noon	724	733	733	726	717	726	728	729	731	717	717	719	712	720	711	714	Noon
13h	722	730	731	722	713	726	727	729	729	713	717	713	713	717	707	708	13h
14	724	724	733	722	713	729	726	729	726	712	716	708	714	714	706	707	14
15	732	726	733	724	713	732	723	728	722	712	721	710	717	713	707	708	15
16	738	731	738	729	722	736	727	729	723	718	721	715	722	715	712	712	16
17	744	737	742	734	729	737	731	731	725	722	725	720	724	721	717	718	17
18	744	738	744	736	734	736	733	732	729	725	729	724	726	725	720	721	18
19	744	740	744	737	732	736	734	733	729	727	729	725	726	725	722	722	19
20	746	741	744	738	734	738	735	734	730	728	729	725	725	724	722	723	20
21	745	741	744	739	736	739	736	734	730	729	729	726	724	723	722	722	21
22	744	738	744	739	737	739	738	735	731	729	728	725	724	723	720	722	22
23	744	742	744	739	737	738	737	735	731	728	727	725	723	722	720	720	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	717	718	717	718	717	725	720	719	720	718	715	715	714	711	716	725·1	Midnight
1h	715	717	717	719	717	722	720	720	720	718	715	715	713	711	712	724·5	1h
2	714	717	716	715	716	722	720	718	719	718	715	715	714	710	712	723·9	2
3	715	716	715	715	715	720	718	718	719	718	714	715	715	710	712	723·6	3
4	715	717	715	715	714	718	717	719	719	718	714*	716	715	711	713	723·6	4
5	717	717	716	715	713	717	717	719	718	718	711*	716	715	711	713	723·5	5
6	717	718	715	715	714	717	717	718	717	718	710*	716	715	712	713	723·4	6
7	715	717	714	715	713	714	715	716	716	716	708*	715	714	711	715	722·7	7
8	719	720	717	717	715	717	716	717	718	719	710*	717	717	715	717	725·8	8
9	719	722	719	720	718	717	719	716	723	719	716	720	721	717	720	728·0	9
10	717	720	719	719	718	717	722	718	724	715	713	720	721	715	722	726·8	10
11	712	715	716	716	712	712	720	716	719	710	708	719	716	710	720	721·6	11
Noon	707	712	711	710	708	715	720	713	711	710	707	717	710	706	712	717·0	Noon
13h	703	707	711	709	705	715	713	712	704	706	707	712	705	703	708	714·1	13h
14	695	697	711	709	706	712	711	710	702	702	705	706	701	699	705	712·1	14
15	699	695	709	706	707	707	712	708	700	701	704	702	699	700	702	712·0	15
16	705	703	712	707	711	710	711	709	704	704	706	706	703	704	704	715·7	16
17	712	710	716	711	717	715	715	712	711	710	712	712	708	707	712	720·6	17
18	717	715	717	714	719	717	718	717	715	715	715	717	712	715	716	723·7	18
19	718	717	718	715	721	718	719	718	717	716	716	717	712	713	719	724·5	19
20	719	718	719	717	722	720	718	719	717	716	716	717	713	720	719	725·4	20
21	720	719	720	717	721	722	720	721	717	716	717	716	713	719	721	725·7	21
22	720	719	720	718	723	724	720	719	717	716	716	717	713	719	721	725·7	22
23	720	718	719	718	723	720	719	720	717	715	715	715	712	718	720	725·2	23

* Inferred from Kew Variometer.

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) Highest.	Lowest.	Range.	Mean.	Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. (Centigrade). Mean.	Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
May 1	1006·5	− 2·1	27·3	19·5	7·8	23·1	−0·2	21·6	20·5	+ 1·3	85	+ 6	23·9	17·4	...	...	2·6	5·0
2	1008·3	− 0·4	27·0	20·0	7·0	22·7	−0·5	21·6	20·8	+ 1·6	89	+10	24·3	17·7	10·2	360	5·5	7·7
3	1008·6	− 0·2	26·1	21·8	4·3	23·4	+0·3	21·3	19·8	+ 0·7	80	+ 2	22·9	18·0	6·9	90	3·1	9·5
4	1008·9	0·0	26·0	21·0	5·0	22·7	−0·3	21·1	19·9	+ 0·9	84	+ 6	23·0	19·9	4·0	90	5·0	8·7
5	1009·9	+ 0·9	25·7	20·3	5·4	22·8	−0·2	20·9	19·5	+ 0·6	81	+ 3	22·4	18·6	2·4	70	3·2	8·4
6	1010·8	+ 1·7	26·4	22·2	4·2	23·7	+0·8	21·7	20·2	+ 1·4	81	+ 3	23·4	21·6	1·5	30	3·0	7·4
7	1010·7	+ 1·6	26·5	21·6	4·9	23·9	+1·1	21·8	20·3	+ 1·5	80	+ 2	23·6	20·7	0·7	10	4·2	6·5
8	1009·9	+ 0·7	26·5	21·0	5·5	23·5	+0·7	21·5	20·0	+ 1·3	81	+ 3	23·2	16·8	...	...	3·9	4·4
9	1008·6	− 0·7	26·5	20·1	6·4	23·2	+0·5	22·2	21·5	+ 2·9	90	+12	25·4	15·9	14·0	145	4·5	7·8
10	1007·4	− 2·0	27·4	22·3	5·1	24·0	+1·4	23·2	22·6	+ 4·0	92	+14	27·1	21·6	65·6	415	8·0	9·7
11	1006·4	− 3·1	26·7	21·3	5·4	23·4	+0·8	21·9	20·8	+ 2·3	85	+ 7	24·3	20·3	0·8	30	2·8	9·6
12	1007·1	− 2·4	25·5	19·0	6·5	22·6	+0·2	19·1	16·5	− 1·9	69	− 9	18·6	15·3	0·2	5	4·0	4·4
13	1007·5	− 2·1	25·1	17·6	7·5	21·3	−1·1	18·5	16·4	− 2·0	74	− 4	18·5	13·3	...	...	3·1	4·8
14	1006·7	− 3·0	24·6	20·9	3·7	22·2	−0·1	20·5	19·2	+ 0·9	83	+ 5	22·0	18·6	1·0	35	2·5	8·0
15	1006·5	− 3·3	24·6	19·0	5·6	22·0	−0·3	18·3	15·5	− 2·7	66	−12	17·4	18·3	...	...	5·2	2·7
16	1008·3	− 1·6	23·7	18·8	4·9	21·0	−1·2	17·5	14·8	− 3·4	68	−10	16·7	14·1	...	...	5·0	5·0
17	1009·5	− 0·4	26·0	18·9	7·1	21·1	−1·0	18·6	16·7	− 1·4	73	− 5	18·8	15·3	3·6	120	3·7	5·7
18	1008·9	− 1·1	25·2	18·9	6·3	22·1	0·0	19·4	17·4	− 0·6	75	− 3	19·7	14·2	...	...	4·2	2·7
19	1007·5	− 2·6	26·1	19·0	7·1	22·7	+0·7	20·9	19·5	+ 1·6	82	+ 4	22·4	16·3	...	...	3·5	5·3
20	1007·1	− 3·1	24·1	21·8	2·3	22·8	+0·8	21·4	20·3	+ 2·4	86	+ 8	23·6	20·6	2·0	15	1·2	9·4
21	1006·3	− 4·0	26·2	20·4	5·9	22·9	+1·0	21·7	20·8	+ 3·0	88	+11	24·3	18·0	9·4	145	2·9	6·9
22	1005·2	− 5·1	26·0	21·2	4·8	23·1	+1·2	22·0	21·2	+ 3·5	89	+12	24·9	18·8	10·9	170	4·2	6·3
23	1005·3	− 5·1	26·0	19·5	6·5	22·5	+0·7	20·8	19·5	+ 1·8	83	+ 6	22·4	16·8	...	...	3·6	4·3
24	1006·1	− 4·4	25·8	19·5	6·3	22·4	+0·7	20·4	18·9	+ 1·3	81	+ 4	21·6	15·7	...	...	3·5	4·9
25	1004·6	− 6·0	25·0	20·7	4·3	22·8	+1·1	19·8	17·5	− 0·1	72	− 5	19·8	18·8	0·5	35	4·3	7·3
26	994·2	−16·5	23·5	19·9	3·6	21·4	−0·2	19·9	18·7	+ 1·2	82	+ 5	21·4	18·9	53·6	1170	5·1	9·9
27	994·0	−16·8	25·6	20·8	4·8	22·6	+1·0	20·9	19·6	+ 2·2	83	+ 6	22·6	19·3	1·8	100	3·4	7·4
28	998·3	−12·6	26·0	20·6	5·4	22·4	+0·9	20·5	19·1	+ 1·8	82	+ 5	21·9	19·5	...	...	4·5	6·1
29	997·3	−13·7	25·7	20·9	4·8	22·4	+0·9	20·4	18·9	+ 1·6	81	+ 4	21·6	16·7	0·7	15	3·5	5·7
30	1002·5	− 8·5	23·7	20·0	3·7	21·3	−0·1	19·0	17·2	0·0	77	0	19·4	18·6	0·4	15	3·2	5·1
31	1005·3	− 5·8	24·0	20·0	4·0	21·7	+0·3	19·2	17·3	+ 0·2	76	− 1	19·6	17·9	...	...	3·0	7·0
Mean	1005·9	− 4·0	25·6	20·3	5·3	22·6	+0·3	20·6	19·1	+ 0·9	80·6	+2·9	22·0	17·9	Sum 190·2	Sum 3065	3·9	6·6
Average	1009·9	...	26·1	19·0	7·1	22·3	...	19·9	18·2	...	77·7	...	20·7	15·1	77·0	1328	3·7	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 May.

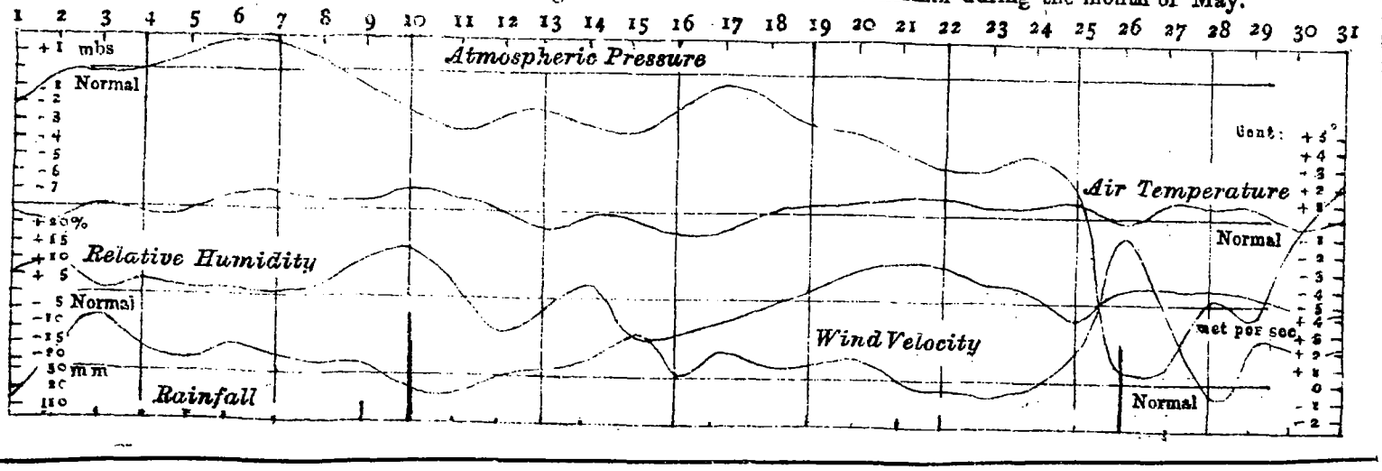


TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1916.

Month and Day. 1916.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. 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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
May 1	5·9	52	+ 0·1	+ 1·2	95	1·2	+ 29	− 1·7	1·8	− 1·5	25·9	27·2	26·14	25·94	26·11	f. : f.l: f. : c. : f.
2	5·2	46	− 0·6	+ 3·6	80	3·6	+ 14	+ 0·7	3·9	+ 0·6	25·9	27·2	26·29	26·25	26·15	b.l.: c.p: c. : o.g.p.q.
3	3·7	33	− 0·2	+ 6·6	88	6·6	+ 22	+ 3·7	6·6	+ 3·3	25·8	27·1	25·95	25·60	25·05	ogpq: o.g.q. : o.g.p.
4	2·9	26	− 0·2	+ 4·5	87	4·5	+ 21	+ 1·6	4·7	+ 1·4	25·8	27·0	25·36	25·03	24·74	o.g.p. : o.g.q. : c.p.q. : c.p.
5	2·8	25	− 0·1	+ 4·0	89	4·0	+ 24	+ 1·1	4·0	+ 0·7	25·8	27·1	25·29	24·83	24·56	c.p. : c. :c.p.: c.
6	5·8	51	0·0	+ 4·9	90	4·9	+ 25	+ 2·0	4·9	+ 1·6	25·8	27·1	25·35	25·06	25·09	c.g. : c.q.p. :c.q: f.
7	8·4	75	+ 0·2	+ 4·2	93	4·2	+ 28	+ 1·3	4·3	+ 1·0	25·8	26·9	25·47	25·14	25·25	f. : c.q.p. :c.q: c.
8	9·7	87	+ 0·1	+ 3·9	91	3·9	+ 26	+ 1·0	4·0	+ 0·7	25·8	26·9	25·57	25·32	25·47	f. : c.q: c. : f.
9	4·6	41	+ 0·8	+ 3·8	102	3·9	+ 38	+ 1·0	4·0	+ 0·7	25·8	26·8	25·44	25·08	24·86	f. : c.p.q. : o.g.q.p.
10	2·6	23	+ 1·4	+ 1·7	129	2·2	+ 65	− 0·7	2·7	− 0·6	25·8	26·8	25·35	24·99	24·70	o.g.p. : c. : o.g.r.
11	2·7	24	− 1·4	0·0	0	1·4	− 64	− 1·4	2·1	− 1·2	25·9	26·8	25·08	24·81	25·04	o.g.d. : c. : c.d.t. : o.g.p.
12	8·5	76	− 3·4	+ 0·7	12	3·5	− 51	+ 0·7	3·6	+ 0·3	25·8	26·8	25·31	24·96	24·91	c. : b. : f. : c.d: f.
13	7·3	65	− 3·1	+ 2·1	34	3·7	− 29	+ 0·9	3·8	+ 0·5	25·8	26·8	24·84	24·32	23·64	f. : c. : f.
14	4·0	36	− 2·8	+ 3·0	47	4·1	− 16	+ 1·3	4·2	+ 0·9	25·8	26·8	24·56	24·10	23·89	c.p. : f. : c.p.
15	10·7	96	− 4·1	+ 4·1	45	5·8	− 18	+ 3·0	5·9	+ 2·6	25·7	26·7	24·62	24·35	24·25	c. : f : f.q.
16	10·4	94	− 2·0	+ 2·6	52	3·3	− 10	+ 0·5	3·4	+ 0·1	25·8	26·6	24·51	23·83	23·82	c. : f.
17	8·4	76	− 2·7	+ 4·1	57	4·9	− 5	+ 2·1	4·9	+ 1·6	25·7	26·6	24·17	23·66	22·87	c.p. : f. : c.q. : f.
18	10·4	94	− 1·6	+ 3·4	65	3·8	+ 3	+ 1·0	3·9	+ 0·6	25·7	26·7	24·13	23·82	24·13	f.
19	7·7	69	− 1·8	+ 3·7	64	4·1	+ 2	+ 1·3	4·3	+ 1·0	25·7	26·6	24·31	24·04	24·19	f. : c.
20	0·1	1	− 1·6	+ 4·3	70	4·6	+ 8	+ 1·8	4·6	+ 1·3	25·7	26·5	24·55	24·24	23·89	o.g. : o.g.p.q. : c.
21	6·9	62	− 0·3	+ 3·1	84	3·1	+ 22	+ 0·3	3·3	0·0	25·7	26·4	24·26	24·13	24·37	f. : c.p.
22	7·3	66	+ 0·3	+ 3·0	96	3·0	+ 35	+ 0·2	3·1	− 0·3	25·8	26·4	24·71	24·72	25·09	c.p. : f.
23	9·8	89	− 0·6	+ 2·5	77	2·6	+ 16	− 0·2	2·6	− 0·8	25·7	26·4	24·91	24·84	25·13	f.
24	9·1	83	− 1·1	+ 3·0	70	3·2	+ 9	+ 0·4	3·3	− 0·1	25·7	26·4	24·90	24·62	24·53	f. : f.q. : b.
25	5·4	49	− 2·0	+ 4·8	67	5·2	+ 6	+ 2·4	5·3	+ 1·9	25·8	26·4	24·60	24·14	23·78	f. : c. : f.q. : o.g.p.
26	0·0	0	− 9·0	+ 6·7	37	11·2	− 24	+ 8·4	11·9	+ 8·5	25·8	26·3	23·59	22·99	21·78	o.g.r. : o.g.q.p.
27	5·7	52	− 4·2	− 4·9	311	6·4	+250	+ 3·6	7·3	+ 3·9	25·7	26·3	22·70	22·36	22·90	f. : c.q. : f.q. : o.g.d.
28	7·1	65	− 1·8	− 1·5	320	2·3	+259	− 0·5	2·7	− 0·7	25·7	26·2	24·09	24·18	24·98	o.g. : f.
29	6·8	62	− 5·2	− 0·4	356	5·2	+295	+ 2·4	6·0	+ 2·6	25·7	26·2	24·43	24·20	24·14	c.q. : c.q.p. : f.q.
30	5·1	46	− 4·2	+ 2·9	35	5·1	− 26	+ 2·3	5·2	+ 1·8	25·8	26·3	24·13	23·73	23·38	f.q. : c. : f.p.
31	3·9	35	− 2·8	+ 4·7	59	5·4	− 2	+ 2·6	5·5	+ 2·1	25·8	26·3	23·68	23·20	22·98	f. : c. : o.g.q.
Mean -	6·09	54·8	− 1·74	+ 2·91	59·1	3·39	− 3·8	+0·56	4·45	+1·12	25·77	26·66	24·79	24·48	24·38	...
Average	7·57	67·9	− 1·29	+ 2·52	62·9	2·83	...	...	3·33	...	25·54	26·34	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The weather conditions of the month have been controlled by the passage of areas of low pressure both Southward and Northward of Mauritius. These low pressure conditions culminated in the formation of a tropical cyclone on the 26th, an unprecedented phenomenon at this epoch of the year. An account of the storm, together with its track, is appended to this bulletin. Pressure was 4·0 millibars below normal in the mean for the month.

Temperature was practically normal and very constant throughout.

Relative humidity was above normal on 24 days and 2·9% above in the mean for the month.

Agriculturally the meteorological conditions, apart from the high wind velocities during the cyclone, were again extremely favourable. Wind velocities appear to have been specially high in the East, South-East and South during the storm, where considerable damage to the growing crops is reported.

The highest dew point temperature was 23°·8 at 9h. on the 10th ; and the lowest 12°·7 at noon on the 16th.

The highest relative humidity was 98·7 % at 7h. on the 10th and 21h. on the 21st ; and the lowest 52·9 % at noon on the 16th.

Rainfall at the Observatory was 147% above normal. The percentage variation of rainfall from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	107 % above
Eastern Districts	,, ,, 2, 3, 4.	110 % above
South-Eastern Districts	,, ,, 5 & 6	79 % above
Western Districts	River System 11	179 % above
	,, ,, 12	183 % above
	,, ,, 13	95 % above

(June 20, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is 181 feet above mean sea-level.)

MAY 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour. \ Day.
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0064	0075	0093	0086	0094	0111	0121	0114	0095	0080	0074	0070	0083	0076	0068	0078	Midnight
1h	0060	0075	0091	0085	0094	0107	0116	0110	0094	0075	0068	0064	0080	0073	0064	0074	1h
2	0056	0071	0086	0083	0090	0102	0112	0105	0090	0072	0063	0061	0075	0072	0061	0075	2
3	0053	0070	0082	0082	0087	0096	0103	0100	0085	0070	0057	0058	0072	0065	0057	0075	3
4	0055	0071	0084	0080	0085	0098	0098	0096	0084	0067	0060	0058	0070	0063	0055	0075	4
5	0058	0073	0084	0082	0092	0095	0097	0095	0085	0071	0058	0063	0072	0063	0061	0077	5
6	0061	0078	0084	0085	0093	0097	0100	0096	0089	0073	0059	0066	0076	0066	0066	0079	8
7	0065	0082	0090	0093	0097	0106	0112	0103	0093	0077	0065	0071	0083	0074	0071	0085	7
8	0071	0085	0092	0096	0105	0114	0114	0106	0098	0084	0070	0074	0085	0076	0075	0090	8
9	0075	0092	0094	0096	0105	0114	0114	0112	0102	0085	0072	0078	0085	0084	0075	0096	9
10	0076	0091	0096	0098	0102	0117	0115	0112	0100	0084	0073	0077	0086	0084	0076	0096	10
11	0071	0086	0092	0096	0099	0112	0110	0105	0091	0079	0066	0076	0077	0075	0071	0090	11
Noon	0067	0083	0083	0092	0097	0106	0105	0098	0085	0075	0063	0072	0073	0064	0064	0085	Noon
13h	0059	0076	0078	0082	0092	0102	0098	0091	0079	0067	0058	0063	0067	0058	0058	0080	13h
14	0051	0074	0073	0079	0092	0099	0095	0085	0075	0063	0053	0061	0063	0049	0055	0075	14
15	0051	0075	0072	0077	0092	0097	0095	0086	0071	0060	0053	0062	0061	0045	0053	0074	15
16	0054	0077	0073	0080	0090	0098	0096	0086	0075	0064	0056	0065	0064	0048	0053	0073	16
17	0057	0081	0074	0081	0098	0105	0102	0089	0077	0072	0057	0066	0066	0054	0055	0076	17
18	0062	0083	0086	0086	0102	0109	0106	0095	0081	0075	0062	0075	0072	0056	0061	0082	18
19	0069	0087	0091	0091	0106	0115	0109	0097	0085	0074	0067	0078	0076	0065	0068	0085	19
20	0075	0096	0094	0098	0109	0120	0115	0098	0085	0076	0074	0085	0079	0072	0071	0091	20
21	0077	0097	0095	0099	0117	0122	0117	0099	0088	0079	0074	0086	0081	0075	0073	0095	21
22	0079	0099	0095	0097	0117	0123	0115	0101	0086	0077	0069	0086	0081	0074	0076	0097	22
23	0078	0095	0090	0097	0114	0122	0118	0099	0083	0077	0072	0087	0081	0071	0078	0097	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Hour. \ Day.
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0096	0099	0090	0075	0074	0057	0060	0064	0060	0027	9818	9991	9978	0003	0049	0062	Midnight
1h	0094	0095	0086	0075	0071	0055	0060	0063	0058	0018	9819	9988	9976	9999	0048	0059	1h
2	0092	0093	0079	0071	0066	0051	0057	0061	0053	0013	9831	9983	9969	9997	0046	0056	2
3	0088	0091	0074	0063	0063	0047	0051	0054	0052	0009	9844	9982	9965	0000	0042	0053	3
4	0087	0085	0073	0055	0059	0046	0051	0054	0051	0008	9858	9980	9964	0001	0041	0052	4
5	0086	0086	0073	0061	0058	0046	0052	0053	0047	0000	9874	9979	9959	0003	0043	0053	5
6	0086	0089	0074	0071	0062	0050	0053	0058	0052	0002	9893	9983	9964	0011	0046	0057	6
7	0093	0095	0080	0076	0068	0053	0059	0062	0060	0002	9911	9990	9967	0019	0055	0063	7
8	0097	0097	0083	0084	0072	0059	0065	0070	0062	9996	9929	9996	9968	0026	0056	0068	8
9	0106	0099	0086	0080	0077	0063	0064	0072	0062	9999	9945	9997	9970	0031	0062	0067	9
10	0105	0098	0086	0084	0075	0062	0061	0073	0060	0003	9958	9996	9970	0030	0066	0071	10
11	0100	0094	0081	0080	0069	0058	0052	0066	0053	9977	9963	9989	9966	0029	0059	0066	11
Noon	0094	0088	0077	0077	0064	0052	0046	0061	0043	9962	9976	9984	9961	0027	0053	0060	Noon
13h	0090	0081	0068	0064	0057	0044	0039	0051	0033	9943	9973	9972	9958	0023	0047	0053	13h
14	0086	0077	0065	0063	0055	0041	0037	0049	0033	9931	9975	9968	9957	0019	0046	0050	14
15	0086	0074	0063	0060	0052	0041	0037	0049	0031	9921	9973	9968	9961	0021	0048	0049	15
16	0088	0074	0064	0060	0051	0042	0038	0049	0031	9906	9975	9970	9964	0025	0049	0050	16
17	0090	0077	0065	0064	0053	0048	0042	0054	0036	9894	9983	9976	9968	0029	0050	0053	17
18	0093	0081	0066	0064	0056	0050	0048	0059	0037	9883	9989	9978	9977	0038	0053	0057	18
19	0098	0087	0070	0068	0061	0056	0052	0067	0039	9870	9993	9982	9985	0048	0058	0061	19
20	0101	0095	0076	0074	0064	0059	0057	0068	0040	9864	0000	9984	9992	0050	0059	0065	20
21	0105	0097	0079	0077	0066	0058	0062	0070	0041	9844	9999	9985	9999	0053	0060	0067	21
22	0106	0097	0079	0075	0063	0059	0066	0069	0041	9825	9999	9986	0006	0052	0061	0069	22
23	0104	0095	0079	0075	0061	0058	0066	0068	0035	9821	9998	9980	0007	0050	0060	0065	23

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

Hour. \ Day.	MAY 1916.																															
	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	2	0	10	10	8	7	4	2	1	10	10	7	5	9	8	4	8	6	0	10	0	8	1	3	0	10	7	10	6	5	2	5·6
1h	4	1	10	10	10	9	3	2	2	10	10	6	2	8	10	5	3	7	0	10	0	7	2	4	3	10	5	10	8	3	2	5·7
2	4	1	10	10	4	10	7	2	3	10	10	4	0	10	7	7	3	8	1	10	0	10	2	4	0	10	4	10	4	3	7	5·6
3	5	2	10	10	10	10	4	3	2	10	10	0	2	6	3	9	10	10	1	10	4	10	4	6	5	10	2	10	7	4	3	6·2
4	4	7	10	10	8	9	3	3	3	10	10	0	2	10	4	9	9	2	2	10	6	10	9	7	5	10	2	10	7	2	4	6·3
5	5	9	10	9	10	9	4	4	4	10	10	0	3	10	3	9	7	1	3	10	7	10	9	7	6	10	9	9	6	7	4	6·9
6	3	8	9	9	10	9	7	5	8	10	10	2	3	10	2	8	5	2	4	10	8	10	8	5	8	10	9	10	6	8	4	7·1
7	6	9	9	9	9	9	8	5	8	10	9	5	3	10	2	7	6	5	5	10	10	10	7	5	7	10	8	9	6	7	4	7·3
8	5	8	9	9	9	9	9	5	10	9	9	3	3	10	1	4	6	3	4	10	5	9	5	6	9	10	7	9	6	7	5	6·9
9	5	8	10	10	9	10	9	7	10	7	9	3	5	10	0	2	8	2	2	10	8	7	4	7	10	10	7	6	6	8	5	6·9
10	6	8	10	10	9	9	9	9	9	9	9	6	6	10	1	3	6	1	4	10	7	8	4	6	10	10	7	4	9	5	8	7·2
11	8	8	10	10	9	8	8	5	8	9	8	7	6	8	1	3	7	1	4	10	5	8	6	5	9	10	9	4	8	5	8	6·9
Noon	8	8	9	10	9	9	9	7	8	9	9	6	7	6	1	4	7	2	4	10	6	7	6	7	7	10	6	3	7	6	8	6·9
13h	8	7	10	8	8	8	7	8	8	9	10	6	7	5	1	5	6	2	5	10	6	6	5	6	7	10	6	5	6	7	8	6·8
14	6	7	10	8	10	9	7	9	8	10	10	6	8	6	2	5	6	3	7	10	7	6	5	5	6	10	7	5	5	8	7	7·0
15	6	10	9	7	10	7	7	7	10	10	10	8	10	4	3	7	6	2	6	10	9	5	5	6	4	10	7	6	6	9	10	7·3
16	8	10	8	8	10	7	8	5	10	10	10	8	8	5	2	5	5	2	8	10	8	4	4	5	7	10	7	7	7	4	9	7·1
17	9	10	9	6	10	6	7	4	10	10	10	9	8	6	3	5	4	2	8	10	10	4	5	5	8	10	9	6	6	4	10	7·2
18	8	10	10	4	10	5	6	4	10	10	10	6	6	5	2	3	5	2	7	10	10	3	4	4	10	10	10	3	4	4	10	6·6
19	5	10	10	9	7	3	8	3	10	10	10	4	0	10	1	4	4	2	9	10	10	3	1	4	10	10	9	3	3	5	10	6·4
20	3	10	9	5	5	3	8	4	10	10	9	3	3	8	1	3	4	1	10	8	10	4	0	5	10	10	10	3	4	5	10	6·1
21	2	10	8	10	6	3	7	2	10	10	10	2	2	9	2	2	4	1	10	6	8	2	0	5	10	10	10	3	2	5	9	5·8
22	1	9	10	10	5	1	5	1	10	10	10	3	5	9	3	2	4	1	9	8	9	1	2	1	10	10	10	0	4	3	10	5·7
23	0	10	10	10	7	9	4	1	10	10	10	3	9	9	3	4	5	1	10	8	9	2	3	0	10	10	10	4	5	0	10	6·3

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

Hour* Ending. \ Day.	MAY 1916.																															
	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	15	0	0	0	0	0	0	5	0	0	0	15	3	0	20	12	0	5	0	0	0	0	0	1	0	0	0	0	16	7	0	1·7
8	38	3	1	0	1	6	25	50	0	15	7	60	57	1	60	60	40	60	52	0	30	0	47	60	0	0	15	0	45	6	44	13·1
9	54	37	48	0	0	0	33	40	7	36	20	60	60	12	60	60	42	60	60	0	24	0	60	53	1	0	59	32	48	31	60	17·6
10	50	25	10	0	7	4	60	56	15	57	46	60	48	15	60	60	54	60	60	0	48	60	60	46	18	0	50	60	53	40	36	20·3
11	57	47	36	3	50	60	60	60	45	18	60	58	40	2	60	60	58	60	59	0	60	60	60	59	50	0	55	60	57	52	45	24·2
Noon	18	53	29	2	50	45	60	60	60	11	28	60	45	60	60	60	55	60	60	1	60	40	60	60	30	0	30	60	16	47	30	21·8
13h	7	60	30	52	32	25	44	60	60	21	0	57	51	17	60	60	31	60	60	0	33	52	60	60	30	0	42	60	27	15	8	19·6
14	26	60	17	45	26	53	60	60	57	0	2	50	32	22	60	56	60	60	53	0	41	60	60	59	55	0	22	60	37	16	5	20·2
15	42	28	23	30	0	54	48	60	10	1	0	58	50	59	60	59	59	60	50	0	59	60	60	59	60	0	35	60	37	17	3	20·0
16	45	0	15	30	0	60	50	60	10	0	0	30	0	47	60	59	33	60	6	0	45	42	56	60	60	0	31	31	37	28	0	15·9
17	0	0	15	10	0	40	52	57	12	0	0	0	54	4	60	60	60	60	4	5	17	60	59	27	20	0	0	1	33	45	2	12·6
18	0	0	0	0	0	0	15	13	0	0	0	0	0	0	20	18	15	20	0	0	0	6	7	1	0	0	0	1	0	0	0	1·9
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 188·9 hours; the corresponding period during which the sun was above the horizon was 345·1 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

MAY 1916.

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	20·5	20·0	20·6	19·7	22·3	21·6	22·8	20·8	21·3	20·2	22·7	20·7	22·5	21·3	23·2	21·6	Midnight
1h	20·4	20·0	20·6	19·7	21·9	21·1	22·0	20·7	21·2	20·2	23·0	21·1	22·5	21·1	23·0	21·2	1h
2	20·2	19·9	20·3	19·6	22·0	21·3	22·0	20·0	20·3	19·5	23·0	21·1	22·1	20·9	23·0	21·6	2
3	20·6	20·3	20·6	20·1	22·1	21·3	21·8	21·1	21·0	19·8	23·0	21·3	22·0	21·0	22·5	21·0	3
4	20·2	19·9	20·9	20·4	22·2	20·8	21·1	20·7	20·7	19·6	23·1	21·4	21·6	20·3	22·1	21·0	4
5	20·0	19·7	20·9	20·3	22·6	20·9	21·4	20·7	21·0	19·9	23·3	21·4	21·9	20·7	22·0	20·8	5
6	19·8	19·3	21·0	20·8	23·0	20·7	21·6	20·7	20·4	19·7	23·1	21·5	22·0	20·8	22·0	20·8	6
7	20·3	20·0	21·2	20·7	23·1	21·2	21·8	20·3	21·0	20·3	23·0	21·2	22·5	21·6	22·3	21·3	7
8	22·6	22·4	22·8	22·1	23·6	21·6	22·7	21·3	21·8	20·7	23·7	21·2	23·1	21·6	24·1	22·3	8
9	24·4	23·2	24·1	22·6	24·8	21·6	24·0	21·5	23·4	21·6	24·3	22·0	24·8	22·8	24·8	22·6	9
10	25·5	23·3	24·2	22·7	24·9	21·5	24·4	21·7	24·4	21·9	25·1	22·1	25·9	22·6	25·2	22·6	10
11	26·6	23·8	25·7	23·1	25·3	21·6	24·7	22·2	24·6	21·9	26·0	22·0	26·0	22·6	26·2	22·6	11
Noon	26·2	23·5	26·0	23·4	26·0	22·0	25·0	21·9	25·0	21·8	25·0	22·6	26·0	22·6	26·0	22·6	Noon
13h	26·4	23·4	26·7	23·8	25·6	22·3	25·8	21·9	25·9	21·8	25·0	22·2	26·2	22·8	25·9	22·6	13h
14	26·9	23·7	26·9	23·8	25·0	21·8	25·1	22·2	24·9	21·2	24·9	22·5	26·1	22·9	25·5	22·6	14
15	27·0	23·7	24·9	22·6	24·8	21·6	24·7	21·7	24·5	21·5	25·2	22·4	25·8	22·6	25·6	22·2	15
16	26·4	23·5	23·4	22·5	24·8	21·5	23·9	21·6	24·1	21·6	25·1	22·5	25·5	22·9	25·5	22·3	16
17	25·5	22·6	21·6	20·9	23·9	21·4	23·0	21·6	23·9	21·8	24·5	22·4	24·6	22·4	24·8	21·8	17
18	24·3	22·4	21·9	21·3	22·6	21·4	21·9	20·8	23·2	20·8	23·0	22·1	24·1	22·1	22·9	20·9	18
19	22·9	21·5	22·0	21·4	22·3	21·4	21·8	20·7	23·0	21·2	22·9	21·7	23·7	21·8	21·9	20·5	19
20	22·1	21·3	21·7	21·4	21·9	20·5	21·9	20·5	22·7	20·9	22·7	21·5	23·2	21·6	21·6	20·5	20
21	22·0	21·0	22·2	21·3	22·3	21·2	21·1	20·5	22·9	20·5	22·8	21·5	23·6	21·7	21·5	20·4	21
22	21·5	20·5	22·3	21·4	22·1	20·8	21·0	20·1	22·1	20·5	22·6	21·2	23·8	21·7	21·4	20·5	22
23	21·0	20·0	22·7	21·5	22·3	20·7	21·0	20·5	22·7	21·2	22·2	21·0	23·2	21·5	21·0	19·9	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	21·0	20·2	23·0	22·4	22·2	21·8	23·0	20·2	20·1	18·3	21·7	19·6	21·4	19·3	19·0	17·0	Midnight
1h	20·3	19·6	22·8	22·3	21·8	21·3	22·6	19·6	20·0	17·5	21·6	19·3	21·4	18·7	19·7	17·5	1h
2	20·5	20·1	23·1	22·6	21·7	21·2	22·5	19·2	20·2	18·0	21·7	19·6	21·6	18·1	19·3	17·5	2
3	21·2	20·4	22·9	22·5	21·4	21·1	22·1	18·9	19·5	17·9	21·0	19·7	21·2	17·6	19·6	17·7	3
4	21·6	20·7	23·4	23·0	21·4	20·9	22·1	18·8	18·8	17·2	21·2	19·8	21·0	17·3	20·5	17·4	4
5	21·6	20·8	23·3	23·0	21·6	21·0	21·6	19·1	18·8	17·2	21·8	20·3	21·0	17·7	20·0	17·4	5
6	22·0	21·6	23·1	22·7	21·4	20·9	21·6	18·6	18·0	16·6	21·6	20·3	20·9	17·6	19·7	16·9	6
7	22·2	21·3	23·3	23·1	21·4	20·8	22·0	18·7	18·5	16·7	21·7	20·2	20·9	17·3	19·0	16·6	7
8	22·5	22·0	24·1	23·6	22·4	22·0	23·1	19·6	21·1	18·8	21·8	20·6	22·0	17·2	21·1	17·3	8
9	23·1	22·4	25·7	24·6	24·0	23·0	24·2	19·9	23·1	19·5	22·3	21·9	23·1	18·3	22·7	17·6	9
10	24·8	24·1	26·1	24·6	25·0	23·3	24·9	20·0	23·3	19·6	22·5	21·2	23·7	18·6	23·2	17·2	10
11	25·1	23·9	26·3	24·6	26·6	24·5	25·1	20·4	24·3	20·5	23·0	21·7	24·0	19·2	23·6	17·3	11
Noon	25·9	24·0	26·9	24·7	26·0	24·1	25·3	20·6	24·0	19·6	24·6	21·8	24·3	19·3	24·0	17·4	Noon
13h	26·0	23·7	27·0	24·6	25·4	23·6	25·0	20·6	23·9	19·6	23·0	21·5	24·5	19·5	23·9	18·4	13h
14	25·9	23·7	25·9	24·5	25·4	24·0	24·9	20·2	22·9	19·6	23·9	21·7	24·3	19·1	23·7	18·4	14
15	24·9	22·9	25·9	24·5	24·9	23·5	24·8	20·1	22·9	19·9	24·2	21·7	23·7	19·1	23·2	17·5	15
16	24·5	23·5	23·9	23·1	24·8	23·2	23·9	19·7	22·0	19·1	23·8	21·5	23·2	18·6	22·9	17·5	16
17	23·6	22·7	23·4	22·9	23·9	21·5	22·8	19·1	22·2	18·9	22·4	20·8	22·3	18·4	21·9	17·4	17
18	23·7	22·5	22·9	22·5	23·6	21·1	21·9	18·6	20·9	18·0	22·3	20·4	21·5	18·5	20·6	17·4	18
19	23·2	22·5	23·0	22·5	23·4	20·8	20·9	17·7	20·5	17·4	21·9	20·2	20·9	18·3	19·0	16·6	19
20	23·5	22·6	22·9	22·5	23·3	20·5	20·3	17·5	20·8	17·4	21·4	19·9	20·6	18·2	19·0	16·6	20
21	23·0	22·4	22·4	21·8	23·1	21·1	19·9	17·4	21·2	18·0	21·1	20·0	20·8	18·1	19·6	17·5	21
22	23·0	22·3	22·4	22·0	23·0	21·1	19·5	17·4	21·5	18·8	21·0	19·5	20·9	18·0	19·5	17·7	22
23	23·4	22·5	22·4	22·0	23·0	21·1	20·6	18·4	21·4	20·1	21·0	19·4	20·5	17·5	20·0	18·4	23

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

(*To obtain temperatures in the Absolute Scale add* 273°)

MAY 1916.

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	19·9	18·2	20·9	18·5	19·0	17·9	22·7	21·5	21·8	20·6	22·4	22·1	21·1	20·2	19·7	18·9
1h	19·4	18·5	20·7	18·4	19·2	18·2	22·8	21·7	20·9	19·6	21·9	21·6	20·9	19·9	19·9	19·1
2	19·6	18·5	20·6	18·3	19·5	18·3	22·9	21·7	20·6	19·3	21·9	21·6	20·7	19·9	19·9	19·3
3	19·6	18·6	20·9	18·5	19·7	18·6	22·9	21·6	20·4	19·2	21·9	21·6	20·8	20·1	19·5	18·8
4	19·5	18·5	20·9	18·3	19·9	18·5	22·9	21·6	20·9	19·3	21·9	21·5	20·8	19·9	20·0	19·3
5	19·1	17·8	20·4	18·1	19·5	18·5	22·9	21·6	20·9	19·5	22·4	22·0	20·7	19·8	19·9	19·0
6	19·1	17·6	20·3	18·2	20·0	19·2	22·8	21·6	21·5	20·0	22·0	21·6	20·5	19·6	20·5	19·8
7	19·3	17·5	20·5	18·5	20·9	20·2	22·8	21·6	21·7	21·1	22·2	22·0	20·4	19·5	20·2	19·5
8	20·7	18·5	22·3	19·5	22·6	21·5	22·6	21·8	22·9	22·1	22·7	22·2	22·7	21·5	22·4	21·4
9	21·6	19·0	23·7	20·2	24·3	22·2	23·0	22·1	22·9	21·9	23·6	22·7	24·2	22·0	23·9	21·7
10	22·9	19·6	24·4	20·5	25·0	22·2	23·7	22·4	25·0	22·9	25·0	23·1	25·0	22·1	24·0	21·5
11	23·2	19·5	24·7	20·6	25·1	22·1	23·8	22·5	25·7	23·0	25·5	23·0	25·5	22·1	25·1	21·8
Noon	23·5	19·5	25·0	20·5	26·1	22·5	23·3	22·4	26·0	23·2	25·0	22·7	25·6	22·2	25·4	21·6
13h	23·0	19·3	25·0	20·8	25·7	22·5	23·1	21·9	24·0	23·1	25·2	22·7	25·6	22·1	25·0	20·9
14	23·3	19·5	25·0	20·7	25·3	22·5	23·7	21·3	24·3	23·4	25·9	22·8	25·5	22·2	25·3	21·5
15	22·9	19·3	24·7	20·5	25·0	21·1	23·3	21·2	24·5	22·9	25·0	22·5	25·6	22·4	24·9	21·1
16	22·0	19·4	24·1	20·2	24·5	22·1	23·0	20·8	24·3	22·8	25·0	22·6	24·7	21·8	24·2	21·1
17	21·9	18·9	23·0	19·8	23·7	21·5	22·5	20·5	23·8	22·8	24·0	22·3	23·7	21·5	23·2	20·7
18	21·0	18·1	21·6	19·5	23·2	21·5	22·1	20·3	23·0	22·3	22·9	21·7	22·7	21·2	22·7	20·5
19	20·6	17·7	21·0	18·7	23·0	21·8	22·2	20·6	22·8	22·4	22·3	21·6	21·8	20·6	22·4	20·6
20	20·5	17·6	20·9	19·3	23·0	21·6	22·3	20·9	22·8	22·4	22·0	21·3	21·4	20·5	22·6	20·6
21	20·9	17·9	21·0	19·4	22·8	21·5	22·1	21·0	22·7	22·5	22·0	21·3	21·1	20·2	22·3	20·8
22	20·8	18·2	20·6	19·1	22·9	21·5	22·3	20·6	22·2	22·0	22·0	21·3	20·5	19·5	22·0	19·6
23	21·0	18·4	20·3	18·9	23·0	21·5	22·0	20·6	22·6	22·2	21·3	20·7	20·0	18·7	22·0	19·6

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	21·9	19·7	21·9	20·6	22·9	21·6	20·9	20·3	20·9	19·8	20·9	19·2	20·5	18·7	21·4	20·1
1h	21·8	19·5	21·9	20·5	22·9	21·5	20·9	20·4	21·3	20·1	20·9	19·2	20·2	18·7	21·3	19·9
2	21·5	18·9	21·9	20·1	21·9	20·7	20·9	20·4	21·3	20·0	20·8	19·1	20·5	18·8	21·2	19·9
3	21·0	18·6	22·0	20·5	21·9	20·6	20·9	20·4	21·4	19·9	20·9	19·0	20·4	18·6	21·2	19·9
4	20·9	18·4	21·9	20·5	21·5	20·5	20·9	20·2	21·5	20·1	20·5	18·8	20·5	18·5	21·2	19·8
5	21·2	18·3	22·4	20·5	21·2	20·7	20·8	20·1	21·5	20·1	20·4	18·7	20·2	18·4	21·2	19·8
6	20·9	18·1	21·5	20·5	21·0	20·5	20·8	20·0	21·4	20·1	20·9	18·6	20·1	18·4	21·1	19·8
7	20·9	17·7	20·7	19·5	21·8	20·6	20·8	20·1	21·6	20·2	20·8	18·8	20·2	18·5	21·3	19·9
8	22·0	19·8	21·2	19·5	22·0	20·5	21·6	21·0	22·1	21·2	21·2	19·1	21·0	18·9	22·3	20·7
9	23·1	19·5	20·6	17·5	22·9	20·8	23·0	21·4	23·6	21·8	22·0	19·5	22·7	19·8	23·5	21·2
10	24·1	20·5	21·0	19·0	23·2	21·1	24·0	21·5	24·0	22·2	22·6	19·7	21·7	19·8	24·2	21·5
11	24·5	20·4	21·0	19·0	24·1	21·3	24·9	21·5	25·6	22·5	22·9	19·8	23·2	19·7	24·8	21·6
Noon	24·4	20·2	21·0	19·5	24·1	21·5	25·3	21·6	25·0	21·6	23·0	19·8	23·6	19·6	24·9	21·6
13h	24·4	20·5	20·0	18·5	24·4	21·6	25·9	21·9	24·5	21·3	23·0	19·7	23·6	19·0	24·8	21·6
14	24·9	20·6	21·0	19·5	25·0	21·1	25·8	21·8	24·9	21·1	23·0	19·6	23·6	19·1	24·8	21·6
15	24·6	20·5	20·4	18·9	25·1	20·8	25·2	21·5	23·9	20·6	22·2	19·5	23·1	19·4	24·4	21·3
16	24·4	20·7	20·8	19·4	24·9	21·6	24·0	20·9	23·4	20·6	21·6	19·0	22·1	19·5	23·9	21·2
17	23·4	20·6	20·9	19·4	23·3	21·4	22·7	20·1	22·4	20·1	21·0	18·6	22·0	19·4	23·1	20·8
18	23·0	20·5	20·3	19·1	22·6	21·0	22·0	19·8	22·0	19·5	20·3	18·5	21·7	19·4	22·3	20·4
19	23·0	20·6	21·0	19·6	21·7	20·6	21·3	19·7	21·2	19·6	20·3	18·6	21·8	19·5	21·9	20·3
20	23·1	20·6	21·3	20·2	21·6	20·6	21·1	19·6	21·0	19·6	20·4	18·6	21·9	19·6	21·8	20·2
21	23·0	20·5	21·7	20·8	21·6	20·6	21·3	19·6	21·4	19·6	20·1	18·8	21·9	19·6	21·8	20·3
22	22·6	19·9	22·5	21·6	21·5	20·6	21·0	19·6	21·4	19·6	20·1	18·6	21·6	19·6	21·7	20·2
23	21·5	20·1	23·4	22·1	21·0	20·3	21·2	19·6	21·3	19·5	20·5	18·6	21·6	19·6	21·7	20·2

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

MAY 1916.

Hour. \ Day.	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	896	920	886	914	900	960	900	962	878	932	900	939	900	937	900	938	Midnight
1h	897	916	885	915	887	964	889	956	889	929	900	941	900	938	900	936	1h
2	892	920	882	918	887	963	900	951	890	923	900	937	892	939	900	936	2
3	895	911	885	915	877	955	900	952	895	926	900	940	884	939	900	940	3
4	893	915	886	921	900	961	891	942	900	934	900	940	891	943	900	932	4
5	893	916	886	922	887	963	900	943	900	947	909	944	887	933	892	937	5
6	893	917	891	912	900	975	885	937	900	949	900	950	900	934	900	934	6
7	893	916	885	915	900	965	900	945	894	931	900	952	904	921	900	936	7
8	894	914	900	930	900	973	900	943	900	935	900	951	914	936	900	941	8
9	900	913	900	936	900	977	900	956	900	948	900	955	900	944	900	948	9
10	910	908	900	941	900	974	912	957	900	962	887	964	912	960	900	960	10
11	913	913	915	937	900	978	911	956	913	962	900	976	900	961	912	958	11
Noon	914	910	908	941	900	969	911	954	900	961	886	970	922	954	924	957	Noon
13h	920	900	909	942	900	989	900	961	900	964	913	962	920	948	913	962	13h
14	921	909	921	932	900	980	900	958	900	944	912	960	900	955	887	962	14
15	928	906	890	947	900	968	921	952	900	953	900	965	900	952	912	958	15
16	913	913	891	946	900	968	882	944	900	941	912	958	900	951	910	948	16
17	916	900	871	944	900	970	893	933	900	930	900	949	900	944	900	948	17
18	916	900	881	947	921	951	900	943	900	933	892	938	900	938	900	925	18
19	887	920	879	950	900	957	886	942	905	932	900	940	900	935	895	920	19
20	888	912	900	954	900	959	895	935	905	925	892	939	907	934	896	925	20
21	888	912	900	956	900	952	892	925	906	926	900	938	909	932	896	919	21
22	887	913	900	954	900	953	900	920	900	927	900	940	900	943	893	919	22
23	891	909	888	958	900	959	900	937	900	935	900	929	900	939	893	915	23

Hour. \ Day.	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	894	913	914	935	896	891	882	896	882	912	859	927	870	930	890	914	Midnight
1h	893	916	913	932	896	890	874	889	872	919	860	926	857	917	881	919	1h
2	889	927	914	936	907	896	873	889	882	918	873	918	872	928	891	907	2
3	895	922	914	922	907	896	872	900	882	896	877	895	864	936	889	908	3
4	895	925	922	922	906	914	870	906	871	911	868	921	858	942	868	932	4
5	894	928	922	922	890	904	876	895	882	918	859	928	850	950	876	915	5
6	915	923	909	921	887	906	871	900	883	917	880	913	857	943	881	908	6
7	900	935	912	918	891	902	873	900	887	909	878	922	857	943	883	907	7
8	907	936	911	916	888	902	871	906	875	917	873	927	854	946	872	911	8
9	913	933	932	921	894	901	858	900	865	919	872	941	845	955	867	933	9
10	916	939	932	932	890	902	847	922	851	920	864	936	833	945	860	940	10
11	912	958	941	917	905	877	847	911	869	931	867	950	841	959	866	951	11
Noon	912	960	939	926	900	862	856	900	859	941	857	964	841	959	876	957	Noon
13h	937	957	945	918	878	878	845	923	847	935	875	960	843	957	874	940	13h
14	911	955	919	908	888	888	839	912	859	941	862	957	844	956	883	941	14
15	922	954	942	917	887	913	848	922	850	921	854	946	842	958	880	948	15
16	924	936	913	909	886	903	856	918	860	926	871	943	850	950	883	941	16
17	900	944	900	918	869	906	862	915	856	918	878	933	857	943	884	939	17
18	908	941	888	895	866	913	876	905	873	918	873	927	865	935	890	915	18
19	909	942	900	912	866	907	874	905	874	926	880	920	866	934	888	918	19
20	908	940	900	913	859	908	874	911	865	923	887	913	879	931	889	917	20
21	906	931	894	914	860	908	880	920	873	927	887	913	883	925	886	921	21
22	908	941	887	906	874	917	889	911	870	912	885	915	881	929	888	919	22
23	917	943	893	896	875	910	877	915	870	920	890	924	886	921	883	926	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by 90 in order to obviate the necessity for signs, and are published to the nearest metre*).

MAY 1916.

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	883	926	885	938	887	913	890	949	889	929	903	916	896	921	895	911	Midnight
1h	904	921	878	932	881	919	881	947	889	929	900	921	896	921	895	912	1h
2	877	934	889	929	885	924	880	949	890	923	900	917	897	917	893	915	2
3	872	941	882	927	887	919	872	942	891	921	900	921	897	917	895	912	3
4	866	934	869	931	884	916	879	950	882	927	904	921	896	917	893	917	4
5	877	923	881	928	886	914	873	941	886	935	900	930	892	921	891	921	5
6	869	931	887	932	882	918	880	930	880	930	895	926	891	919	892	920	6
7	881	928	882	927	880	920	891	944	882	927	892	919	892	921	892	919	7
8	877	935	882	943	885	938	887	933	887	934	908	919	890	920	890	925	8
9	857	943	878	953	882	943	900	944	892	939	916	940	900	925	900	941	9
10	852	948	880	948	900	955	878	933	900	948	910	951	882	940	890	947	10
11	861	958	888	958	880	949	891	944	891	954	912	957	900	943	877	956	11
Noon	856	966	879	952	878	953	886	943	900	944	918	945	900	943	888	958	Noon
13h	859	961	900	952	900	959	877	968	900	943	910	951	893	943	868	948	13h
14	870	972	890	951	889	955	889	955	914	940	909	945	900	934	888	961	14
15	875	959	900	951	867	949	891	952	914	934	917	941	887	937	880	949	15
16	871	944	882	943	874	940	883	945	900	935	907	935	890	933	880	948	16
17	876	936	881	928	874	939	878	942	910	931	900	936	893	924	883	926	17
18	878	932	877	923	885	938	886	933	906	924	900	922	894	915	911	911	18
19	885	937	882	918	876	936	883	935	900	927	895	924	893	914	897	917	19
20	879	931	889	916	875	937	886	941	910	926	892	918	894	916	891	921	20
21	885	937	881	919	875	937	891	935	908	923	890	923	896	915	876	910	21
22	877	934	885	915	879	950	883	943	907	920	895	926	895	910	887	932	22
23	875	938	886	914	867	950		941		917	896	921		912	879	932	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	884	939	880	948	802	859	889	902	875	875	850	950	866	952	885	924	Midnight
1h	883	925	879	950	825	850	890	902	875	875	825	950	875	938	883	922	1h
2	882	945	863	957	851	826	889	902	862	862	831	946	882	943	884	922	2
3	890	948	875	959	847	821	889	900	859	873	863	925	876	936	885	920	3
4	885	937	858	963	842	814	893	900	848	866	857	918	872	928	882	923	4
5	876	936	870	973	845	771	892	900	844	844	857	918	869	931	882	921	5
6	895	926	874	964	821	780	889	900	856	871	856	918	879	932	884	921	6
7	900	931	845	960	819	778	900	912	842	876	857	918	864	936	883	920	7
8	885	937	860	997	800	800	900	911	859	859	859	917	859	941	884	926	8
9	892	941	834	998	809	809	911	911	861	861	865	914	864	954	884	933	9
10	867	949	817	983	831	796	882	873	849	866	852	910	873	966	880	935	10
11	887	964	810	990	856	793	869	869	862	892	854	930	871	970	885	940	11
Noon	872	967	811	989	848	823	866	866	831	914	862	925	853	970	882	940	Noon
13h	869	976	800	1000	838	838	869	869	839	925	854	919	870	972	883	943	13h
14	900	977	790	974	858	872	866	866	833	914	861	939	873	965	882	941	14
15	861	959	767	989	867	893	865	865	836	913	861	926	878	954	882	940	15
16	874	962	758	993	900	894	874	860	854	919	862	938	868	947	882	936	16
17	879	950	748	1002	914	914	874	874	839	925	856	944	876	936	880	934	17
18	874	940	728	976	909	909	882	882	828	930	861	939	877	934	882	927	18
19	873	941	735	971	903	916	887	881	818	934	871	929	885	938	881	928	19
20	861	950	762	960	893	915	878	878	833	944	864	924	875	937	880	927	20
21	868	948	768	956	894	913	875	875	836	926	873	927	875	959	883	926	21
22	889	956	773	925	890	910	878	878	868	907	864	936	865	952	884	926	22
23	867	949	785	877	889	902	866	877	866	900	861	939	876	936	883	924	23

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

MAY 1916.

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

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

TABLE XIII.—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 1916.

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

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of MAY 1916.

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	26·5	26·3	26·0	25·7	25·6	25·8	26·4	26·7	26·2	25·6	25·3	24·9	25·1	26·1	27·0	27·1	25·1	24·2	23·6	23·8	27·1	28·6	28·8	27·4
2	26·7	26·5	26·1	26·0	25·7	26·1	26·5	26·7	26·6	26·1	25·4	25·1	26·3	26·4	27·2	27·0	25·7	24·6	23·7	23·9	26·5	30·3	28·5	26·2
3	26·7	26·2	25·7	25·9	25·9	25·7	25·9	26·0	26·2	25·9	25·4	25·1	25·1	25·6	26·0	25·8	25·3	24·6	23·8	23·8	25·1	26·7	26·3	25·0
4	25·7	25·7	25·5	25·2	25·1	24·6	25·4	25·6	25·7	24·9	24·7	24·5	24·5	24·9	25·6	25·6	25·1	23·5	23·1	23·3	24·4	26·6	26·6	25·7
5	25·7	25·4	25·2	25·1	24·9	25·1	25·5	25·6	25·3	24·8	24·4	24·2	23·7	25·1	25·6	25·5	24·3	23·4	22·9	22·9	24·7	26·9	26·2	25·1
6	25·5	25·4	25·2	25·1	25·1	25·1	25·5	25·7	25·2	24·8	24·8	24·4	24·5	25·1	25·8	25·8	24·4	23·6	23·3	23·4	25·5	27·4	27·3	25·7
7	25·8	25·6	25·5	25·1	25·1	25·1	25·6	25·9	25·5	24·4	24·6	24·3	24·6	25·5	26·1	26·1	24·4	23·8	23·2	23·5	25·7	27·8	27·5	26·1
8	25·8	25·6	25·5	25·3	25·1	25·2	25·7	26·1	25·6	25·2	24·7	24·5	24·6	25·5	26·3	26·3	24·7	24·0	23·5	23·4	25·8	28·3	28·0	26·2
9	26·1	25·7	25·3	25·1	25·1	25·1	25·6	25·6	25·6	25·1	24·6	24·3	24·5	25·3	25·9	25·8	24·6	23·5	23·0	23·1	25·5	27·4	26·6	25·3
10	25·6	25·5	25·4	25·2	25·1	25·5	25·7	25·1	24·6	25·1	24·8	24·6	24·9	25·6	25·8	24·7	24·5	24·0	23·9	24·1	26·1	27·1	24·8	23·7
11	25·2	25·0	24·9	24·7	24·6	25·0	25·4	25·7	24·4	24·3	24·1	23·9	24·2	25·3	25·9	25·9	23·5	23·3	23·0	23·2	26·4	27·7	27·1	25·7
12	25·4	25·5	25·3	25·1	25·0	25·0	25·5	25·7	25·2	24·9	24·6	24·1	24·3	25·1	25·8	25·7	24·5	23·5	22·8	22·7	25·7	27·7	27·5	25·2
13	25·6	25·2	24·8	24·7	24·4	24·5	24·9	25·0	25·1	25·6	23·7	23·5	23·4	24·1	24·9	24·6	24·0	24·1	21·2	21·2	23·5	26·1	25·6	23·9
14	25·0	24·6	24·5	24·3	24·2	24·4	24·6	24·9	24·4	23·8	23·6	23·5	23·6	24·1	24·8	25·0	22·8	22·5	22·2	22·2	23·9	26·0	26·3	24·7
15	25·0	24·7	24·5	24·3	24·2	24·3	24·9	25·1	24·5	24·7	23·7	23·4	23·4	24·4	25·4	25·2	23·7	22·9	21·8	21·7	24·6	27·7	26·9	24·8
16	24·7	24·8	24·4	24·2	24·0	24·4	24·6	24·9	24·6	23·9	23·4	23·2	23·3	24·5	23·1	24·9	23·3	22·2	21·6	21·7	24·3	27·1	26·4	24·2
17	25·0	24·2	24·2	24·0	23·8	23·8	24·2	24·4	24·2	23·7	23·4	23·0	23·0	23·7	24·3	24·2	22·8	22·3	21·5	21·2	23·5	25·6	22·5	23·6
18	24·4	24·1	23·8	23·7	23·6	23·9	24·4	24·9	23·8	23·2	23·0	22·8	23·0	24·0	25·2	25·2	22·5	21·7	21·3	21·4	25·1	27·8	27·5	25·2
19	24·6	24·6	24·1	24·0	23·8	24·0	24·5	24·9	24·5	23·8	23·2	22·9	23·2	24·2	25·1	25·2	23·4	22·1	21·2	21·5	24·6	27·6	27·1	25·5
20	25·0	24·7	24·6	24·5	24·4	24·4	24·5	24·6	24·8	24·4	24·1	24·0	24·1	24·2	24·4	24·3	24·4	23·6	23·3	23·4	24·1	24·8	24·4	23·7
21	24·5	24·3	24·1	23·5	23·9	24·1	24·5	24·9	24·0	23·7	23·3	23·2	23·4	24·4	25·2	25·3	23·0	22·2	21·9	22·4	25·0	27·1	27·2	25·6
22	25·0	24·7	24·7	24·4	24·3	24·6	24·9	25·4	25·0	24·6	24·2	23·8	24·1	24·8	25·6	25·6	24·3	23·8	23·3	23·2	25·6	27·5	27·3	25·6
23	25·4	25·1	24·8	24·6	24·5	24·6	25·1	25·1	25·1	24·7	24·3	23·9	23·9	25·0	25·9	25·8	24·5	23·5	23·3	22·6	25·5	28·2	27·9	25·9
24	25·5	25·2	24·9	24·6	24·4	24·5	24·9	25·2	25·3	24·7	24·1	23·7	23·8	24·7	25·4	25·3	24·3	23·3	22·3	22·4	24·7	27·2	26·9	25·2
25	25·3	24·9	24·7	24·4	24·2	24·2	24·5	24·8	25·0	24·2	23·9	23·5	23·5	24·0	24·6	24·7	24·0	22·8	22·1	21·9	23·9	25·3	26·0	24·5
26	24·9	24·6	24·4	24·2	24·0	23·6	23·4	21·5	24·4	24·1	23·7	23·5	23·3	22·8	22·7	21·2	23·6	23·0	22·4	22·1	21·8	21·8	21·2	20·4
27	21·1	22·2	22·3	22·4	22·6	22·9	23·2	23·6	20·9	21·3	21·5	21·7	21·9	22·8	23·5	23·8	19·2	21·2	21·2	21·6	22·9	25·0	25·4	24·5
28	23·8	23·7	23·7	23·7	23·7	24·0	24·6	24·8	23·6	23·4	23·4	23·3	23·6	24·6	25·5	25·4	23·6	23·1	22·9	22·8	25·5	28·5	27·6	25·7
29	25·0	24·6	24·4	24·2	24·0	24·2	24·6	24·7	25·0	24·2	23·7	23·6	23·6	24·3	24·9	24·6	24·1	23·1	22·6	22·5	24·7	26·3	25·8	24·0
30	24·6	24·4	24·2	23·9	23·7	23·9	24·1	24·3	24·3	23·8	23·6	23·2	23·2	23·8	24·2	24·1	23·9	22·8	22·1	22·0	23·8	25·0	24·6	23·5
31	24·2	23·9	23·6	23·4	23·3	23·8	23·7	23·6	23·7	23·2	22·8	22·5	22·7	23·4	23·7	23·7	22·6	23·3	21·2	21·2	23·4	24·6	24·2	23·4
Mean	25·14	24·94	24·72	24·53	24·43	24·56	24·93	25·07	24·79	24·39	24·00	23·75	23·88	24·62	25·21	25·15	23·87	23·21	22·56	22·58	24·80	26·83	26·32	24·88

* Direct. ** Retrograde.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of MAY 1916.

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.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
May 1d		...	12·6	2·0	2·0	12·4	10·9	34·8	15·0	12·2	12·7	7·1	11·7	22·9	27·9	74·2
2		...	2·5	...	0·2	9·9	...	168·9	0·8	78·2	1·0	0·2	11·9	58·9	14·0	112·0
3		30·2	0·5	11·7	16·0	47·6	69·2	...	82·5	15·5	68·1	71·9	55·6	51·6	137·5	1·0
4		5·7	...	6·9	7·9	14·5	10·2	7·1	7·1	17·0	3·8	2·0	10·7	5·1	...	...
5		3·9	...	3·8	5·8	9·4	6·9	2·5	5·8	1·0	...	1·8	2·0	...	...	...
6		...	...	1·0	0·4	1·3	1·0	...	0·5	...	...	...	1·3	0·5	...	7·0
7		...	...	1·3	1·0	2·3	...	1·5	4·3	9·4	3·8	...	22·1	9·1	4·3	1·2
8		2·7	0·5	2·0	0·5	3·3	6·2	...	2·0	2·5	1·3	...	4·1	1·0	...	1·1
9		1·4	12·0	1·0	0·8	2·8	2·8	1·3	3·3	25·4	...	4·3	1·5	1·5	...	13·3
10		8·5	83·0	14·5	17·3	40·4	38·3	26·9	35·6	43·2	17·0	12·7	41·1	31·7	29·3	32·3
11		51·5	...	84·8	67·3	49·8	33·5	34·5	36·6	16·5	16·5	38·9	26·7	24·1	26·4	8·0
12		3·9	...	2·1	0·5	4·4	29·4	29·0	41·1	...	24·1	38·0	29·7	23·6	38·3	...
13		...	...	...	0·3	...	...	...	...	...	0·5	...	0·5	0·5	...	5·0
14		6·1	1·0	1·3	1·3	4·8	...	2·6	6·1	63·5	6·3	...	5·6	3·8	4·8	7·0
15		1·3	...	4·6	1·8	5·6	13·7	6·6	12·3	...	26·8	10·2	25·9	13·7	16·6	...
16		...	2·0	...	...	0·5	...	...	...	13·0	...	...	...	...	...	7·2
17		4·8	...	5·6	3·6	5·3	9·2	7·1	8·9	3·8	15·3	3·3	12·7	9·2	...	...
18		...	...	...	...	0·5	...	...	1·5	2·5	2·5	...	1·8	...	...	2·0
19		...	1·2	...	...	...	...	...	...	52·3	...	...	1·5	1·8	6·3	1·1
20		1·7	0·8	1·0	0·2	9·4	5·6	...	5·6	...	12·7	0·5	17·8	9·1	7·6	...
21		...	32·0	3·0	1·8	7·9	17·8	7·1	10·7	68·3	19·0	9·7	7·1	3·0	...	4·4
22		14·2	2·0	17·3	27·7	68·8	47·3	34·5	57·9	0·8	53·3	54·6	109·7	48·7	36·9	...
23		1·7	...	...	7·9	6·6	5·6	...	0·8	1·0	...	...	1·5	...	...	...
24		...	...	...	0·3	...	...	...	0·5	...	...	...	0·8	...	...	...
25		...	2·0	...	...	...	...	...	...	11·4	...	...	0·8	...	...	4·0
26		4·6	38·0	5·1	5·1	7·4	5·6	3·8	10·4	207·3	3·3	3·3	7·9	5·7	5·8	37·2
27		50·7	...	64·5	50·3	113·5	62·4	82·8	66·3	...	106·7	20·4	179·3	77·7	101·3	1·2
28		1·1	...	2·0	0·8	0·8	...	1·3	1·0	...	...	12·7	1·8	0·8	2·0	1·3
29		1·9	...	...	...	...	...	...	...	27·4	...	...	1·5	...	...	...
30		...	...	4·8	1·5	12·4	22·9	7·6	24·4	43·9	12·7	3·8	25·9	8·5	7·1	...
31		1·8	1·6	2·8	1·0	8·2	12·5	8·2	16·7	18·5	14·0	1·0	18·3	4·3	5·8	6·0
Total ...	...	197·7	191·7	243·1	223·3	449·8	411·0	468·1	457·7	734·6	421·4	296·4	638·8	416·8	471·9	326·5

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of MAY 1916.

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.	Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
April 1d	13·0	15·5	24·1	63·4	10·0	...	5·6		...	7·4	10·2	5·8	3·8	15·0		...
2	2·0	20·3	4·3	4·8	1·0	11·7	2·8		...	...	2·0	47·0	0·8	76·4		...
3	10·0	39·1	6·3	66·0	20·0	3·6	5·6		4·3	69·8	86·9	5·1	48·2	34·0		24·4
4	3·0	11·7	8·9	...	5·0	...	...		...	1·5	13·5	...	4·7	7·4		0·5
5	...	3·8	3·0	...	2·0	...	...		...	3·6	5·1	...	0·7	3·8		...
6	...	2·5	24·1	...	2·0	...	...		...	2·3	5·1	...	...	2·5		...
7	3·0	4·6	15·3	...	7·0	...	...		...	...	6·1	...	...	7·9		...
8	1·0	5·3	3·8	7·1	2·0	...	...		...	2·0	7·9	...	0·8	1·8		..
9	1·0	3·8	1·8	1·0	2·0	15·7	...		...	...	2·5	...	3·5	63·0		0·5
10	13·5	42·4	47·0	24·4	16·0	6·3	2·5		10·2	17·8	39·4	21·6	20·3	82·3		4·1
11	5·0	12·4	12·7	22·1	4·5	14·8	9·7		13·0	14·7	6·6	27·9	41·8	7·1		21·6
12	9·0	19·3	33·5	5·8	14·0	...	33·2		...	...	33·0	...	2·5	0·5		...
13	...	...	0·5	...	0·5	...	...		...	...	1·3	...	0·9	7·9		3·3
14	1·0	3·3	7·6	...	2·0	...	18·5		...	5·1	17·8	...	0·2	20·1		...
15	2·0	7·1	24·2	7·4	9·5	...	19·1		...	9·0	26·7	1·8	3·6	...		0·2
16	1·0	...	...	...	...	5·6	...		...	...	...	...	0·5	5·8		...
17	3·0	15·2	17·8	4·3	7·0	...	10·2		...	5·3	20·8	5·2	4·0	...		...
18	1·5	3·8	3·8	...	1·0	...	3·6		...	1·3	3·8	...	0·7	...		...
19	1·0	4·1	1·3	1·8	3·0	...	...		...	...	2·3	...	0·3	9·7		...
20	3·0	22·9	21·6	3·8	12·0	...	...		...	10·7	33·0	...	2·7	18·8		...
21	4·0	5·6	13·8	7·5	7·0	...	...		...	10·9	15·7	5·1	0·9	35·1		...
22	24·0	76·7	109·2	50·8	33·0	31·5	21·3		5·1	9·6	52·8	...	12·0	10·9		6·1
23	2·0	...	3·3	...	0·5	10·9	3·6		...	...	5·6	...	0·4	2·0		...
24	1·0	3·8	1·0	...	0·5	...	1·5		...	...	2·0	...	...	...		0·2
25	...	...	...	0·8	...	3·8	...		...	...	0·8	...	0·1	6·9		...
26	3·0	24·2	13·7	6·2	11·0	92·7	10·4		34·3	12·7	21·6	15·3	11·0	229·6		5·1
27	46·0	197·9	165·1	94·0	87·0	5·6	310·9		31·7	197·2	292·0	139·6	18·0	4·1		88·9
28	9·0	15·5	5·6	3·6	11·0	6·3	2·8		1·0	5·8	2·8	2·5	...	...		...
29	3·0	10·7	3·8	6·9	6·0	10·2	1·8		3·3	3·6	7·9	...	103·5	27·2		1·8
30	14·5	33·5	33·0	3·3	16·0	2·5	28·4		4·3	37·6	66·0	...	7·4	42·4		2·3
31	4·0	9·9	21·6	...	6·5	3·3	36·8		1·0	22·9	75·4	...	6·3	8·0		0·2
Total ...	183·5	614·9	631·7	385·0	299·0	224·5	528·3	...	108·2	450·8	866·6	276·9	299·6	730·2	...	159·2

Observations discontinued temporarily.

* Residence. § Record not received.

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

MAY 1916.

Royal Alfred Observatory, Pamplemousses.

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

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

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of MAY, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	1	Mare Sèche	20	7·69	193·0	100·8	13
	2	Union *	200	5·59	142·0	91·6	17
	3	St. Antoine	50	7·79	197·7	101·1	19
	4	Belmont...	50	7·87	200·0	81·3	14
	5	Poudre d'Or	20	8·36	212·5	91·4	14
	6	Poudre d'Or Hospital ...	10	7·12	180·8	85·6	13
	7	Mon Loisir (R) ...	300	6·91	175·5	107·4	16
	8	Mon Loisir S.E. ...	300	13·45	341·6	123·4	21
	9	Forbach	300	6·81	172·8	65·3	16
	10	Labourdonnais	290	7·55	191·7	119·9	15
	11	Beau Séjour	300	9·57	243·1	151·4	22
	12	Mont Piton	860	10·37	263·4	141·0	22
	13	Mon Choix	700	9·52	241·8	139·2	17
	14	Antoinette	640	14·30	363·2	139·2	23
	15	California	850	14·75	374·6	161·8	21
	16	Nouvelle Découverte ...	1,400	17·71	449·8	135·1	26
	17	Mon Songe	620	16·63	422·4	225·5	24
	18	La Grande Rosalie ...	643	11·40	289·6	138·2	20
	19	The Mount	325	10·37	263·4	115·3	14
	20	Botanic Gardens ..	325	8·79	223·3	107·9	26
	21	Beau Plan	195	7·99	202·9	82·8	10
	23	The Observatory ...	179	7·49	190·2	83·1	20
	23	Solitude...	175	7·80	198·1	113·5	9
	24	St. André	90	9·84	249·9	145·0	9
	25	Belle Vue Harel ...	350	6·98	177·3	111·5	13
	26	Mont Choisy	10	7·26	184·4	81·8	13
	27	Belle Vue Pilot * ...	...	9·74	247·4	...	20
	28	Rosalie §	...	13·65	346·7	...	21
	29	Constance §	...	16·12	409·4	...	18
	30	Belle Vue Maurel * ...	...	14·04	356·6	..	22
	31	Esperance (Trébuchet) *	...	6·94	176·3	...	17
	32	Schoenfeld *	...	7·35	186·7	...	13
	33	Industrie *	...	10·64	270·3	...	18
	34	St. François Estate * ...	...	8·34	211·8	...	13
	35	Réunion Estate * ...	...	6·97	177·0	...	13
	36	Souvenir *	...	10·55	268·0	...	12
	37	Mon Rocher *	...	8·28	210·3	...	16
	38	Bon Espoir	...	10·23	259·8	...	16
	39	Ile d'Ambre *	...	11·01	279·6	...	22
	40	La Salette *	...	6·54	166·0	...	12
	41	Leclézio Mapou *§ ...	...	...	..	...	...
2 & 3	1	Union Régnard ...	600	18·56	471·4	165·6	22
	2	La Grande Retraite ...	350	17·12	434·8	143·2	18
	3	Constance d'Arifat L.G.	100	18·43	468·1	140·2	19
	4	St. Julien Church ...	1,050	18·02	457·7	262·4	26
	5	Rich Fund *	600	16·18	411·0	...	20
	6	Constance (Manès) ...	...	9·50	241·3	...	16
	7	Queen Victoria * ...	...	18·62	472·9	...	20
	8	Belle Mare *	...	11·55	293·3	...	13
	9	Beau Bois (Flacq) * ...	...	20·31	515·9	...	31
	10	Bel Etang (Lesur)* ...	...	21·74	552·3	...	19
	11	Bon Espoir §	...	...	...	...	...
	12	Belle Vue (Allendy) *...	...	15·40	391·2	...	19
4	1	Sans Souci	900	28·92	734·6	338·6	23
	2	Etoile	400	16·59	421·4	255·8	21
	3	Beau Champ	20	11·67	296·4	136·4	19
	4	Belle Rive *	400	19·63	498·6	...	21
	5	Olivia *	400	30·62	777·7	...	23
	6	Deep River *	350	32·75	831·8	...	16
	7	Unité *	...	30·25	768·3	...	23
	8	Belle Rose Estate * ...	...	17·23	437·6	..	19
	9	La Lucie Estate * ...	..	16·09	408·7	...	18
	10	La Lucie (Residence)*...	..	15·00	381·0	...	18
	11	Melrose *	...	27·39	695·7	...	18
	12	Bonne Veine *... ...	...	31·62	803·1	...	19
5	1	Rose Belle *	850	25·15	638·8	...	30
	2	Cent Gaulettes * ...	500	25·96	659·4	347·0	24
	3	St. Hubert *	400	25·88	657·3	...	19
	4	Riche-en-Eau	460	16·41	416·8	220·2	24
	5	Ferney	20	18·58	471·9	242·6	17
	6	Beau Vallon	60	12·86	326·5	148·3	20
	7	Union Vale	200	13·56	344·4	160·3	18
	8	Mon Désert (Carié) * ...	75	12·21	310·1	...	23
	9	Riche Bois *	1,420	15·91	404·1	290·1	22
	10	Cluny *	1,000	29·41	74·70	...	26
	11	Virginia Estate * ...	...	11·00	279·4	...	18
	12	Eau Bleue *	...	24·04	610·6	...	30
	13	Union Park *	...	22·22	564·4	...	28
	14	Plaisance Estate * ..	...	13·31	338·1	...	19
	15	Sauveterre Estate * ...	...	10·46	265·7	...	24
	16	Deux Bras Estate * ...	...	23·47	596·1	...	22
6	1	Kanaka	2,000	32·55	826·8	329·4	29
	2	Tivoli	1,300	24·16	613·7	305·5	26
	3	La Flora *	1,050	24·87	631·7	...	29
	4	Britannia (No. 1) ...	730	24·21	614·9	265·4	27
	4a	Britannia (No. 2)* ...	600	11·02	279·9	...	29
	5	Gros Bois	500	14·86	377·4	202·4	29
	6	Savannah (Residence) ...	200	10·51	267·0	235·4	17
	7	Savannah (Mill) ...	200	11·61	294·9	175·8	18
	8	St. Aubin	300	7·23	183·5	156·0	27
	9	Union B. A. St. Félix S.E.	90	8·12	206·2	155·7	12
	10	Beau Bois	350	11·77	299·0	224·3	29
	11	Labarracq (Resid.)* ...	250	15·16	385·0	...	20
	12	St. Avold *	900	24·70	627·4	...	27
	13	Terracine *	100	8·55	217·0	...	20
	14	Labarracq (Mill) * ...	250	15·28	388·1	...	20
	15	St. Felix Sugar Estate *.	...	8·91	226·3	...	19
	16	Bel Air *	...	10·34	262·6	...	23
	17	Chamouny *	...	10·87	276·1	...	11
	18	Union S.E. *	...	8·47	215·0	...	20
	19	Fontenelle *	...	8·98	228·0	...	17
	20	Combo *	...	8·14	206·8	...	24
	21	St. Felix (Wilson) * ...	...	8·28	210·3	...	22
	22	Joli Bois Estate * ...	...	21·25	539·7	...	27
7 8 & 9	1	Bel Ombre *	50	8·84	224·5	...	15
	2	Chamarel	400	20·80	528·3	194·8	19
	3	Beau Champ *	...	7·87	199·9	...	15
	4	Board *	...	9·45	240·0	...	14
	5	Ste. Marie *	...	8·29	210·6	...	15
	6	Médine Estate * ...	...	3·41	86·6	...	11
	7	Albion Estate * ...	...	5·15	130·8	...	5
	8	Anna Estate §	...	...	...	...	...
	9	Pierre Fond Estate * ...	...	9·82	249·4	...	7
10		No returns.					
11	1	Les Gorges	...	12·65	321·3	173·7	12
	2	Curepipe Gardens ...	1,849	26·53	673·9	225·3	28
	3	Mare aux Vacoas ...	1,850	34·12	866·6	307·6	30
	4	La Marie Filter Bed ...	1,700	20·28	515·1	148·8	25
	5	Réunion...	1,420	17·75	450·8	157·0	21
	6	Tamarin *	150	4·26	108·2	...	10
	7	Clarens§	150	4·77	121·2	...	6
	8	Les Salines (B.R.)§ ...	...	5·95	151·1	...	14
	9	Terrain Bonnefin † ...	...	27·67	702·8	...	30
	10	Chebel Estate *	...	8·71	221·2	...	18
12	1	The Manse	850	10·13	257·3	76·5	24
	2	The Bower	1,080	...	..	...	...
	3	Le Réduit (D. of A.) ...	1,000	11·79	299·6	111·0	27
	4	Alma	1,460	28·75	730·2	232·9	26
	5	Minissy *	1,150	16·42	417·1	...	18
	6	Bagatelle	1,250	18·27	464·0	156·2	27
	7	Highlands	1,300	23·49	596·6	295·7	25
	8	Trianon	950	12·72	323·1	93·0	20
	9	Salency	923	10·90	276·9	82·3	11
	10	Military Camp § ...	1,370	...	...	...	...
	11	La Ferme *	350	6·27	159·3	...	14
	12	Bon Air...	1,050	13·83	351·3	108·2	14
	13	Val Ory...	1,100	12·23	310·6	118·4	28
	14	Pieter Both Estate * ...	...	23·17	588·5	...	14
	15	Roslyn Cottage Estate *	...	11·93	303·0	...	8
	16	Agrément Estate * ...	...	17·88	454·1	...	12
	17	Circonstance Estate * ...	...	20·96	532·4	...	12
	18	Le Réduit Grounds * ...	...	14·46	367·3	...	20
	19	Stanley *	...	9·59	243·6	...	13
	20	Ebène *	...	11·99	304·5	...	17
	21	Mon Rêve *	...	13·91	353·3	...	17
	22	Béga *	...	10·47	265·9	...	16
	23	Bassin *...	...	7·26	184·4	...	11
	24	Hermitage *	...	20·26	514·6	...	26
	25	Côte d'Or *	...	15·02	381·5	...	22
	26	Mon Repos §	...	5·38	136·7	...	7
13	1	Salines (R.B.) § ...	10	...	...	...	...
	2	The Albion Dock ...	18	5·93	150·6	65·5	7
	3	Line Barracks§... ..	10	..	...	...	...

* Normals not available § Record not received 4 a Bon Acceuil ‡ Casela † A station at Mare aux Vacoas Reservoir.

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 1016.	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.)	Old Grand Port (E. to S.E.)	Souillac (South)	Baie du Cap (S.S.W.)	Case Noyale (W. to S.W.)
May 1	calm	...	...	calm	..	choppy	calm	calm
2	"	calm	...	"	...	"	"	"
3	mod.	"	...	heavy breakers	...	"	...	...
4	calm	"	...	...	calm	"	...	...
5	"	...	...	...	...	"	...	...
6	"	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...
8	calm	...	...	...	...	...	...	...
9	"	...	...	...	...	...	...	...
10	"	...	...	...	...	calm	...	...
11	"	mod.	...	calm	...	"	...	...
12	"	...	...	...	...	"	...	...
13	"	...	...	...	...	choppy	...	...
14	...	...	...	...	...	...	...	...
15	calm	...	...	...	...	choppy	...	...
16	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	..	...
25	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...

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

(*Altitude 140 feet above sea level.*)

Day 1016.	Barometric Pressure at 9 a.m. (corrected for Temperature and reduced to L 45°.)	Wind. Direction at 9 a.m.	Wind. Mean Wind Velocity.	Amount of Rain measured at 9. a.m.	Weather.
	mbs.		met p. sec	mm.	
May 1	1008·6	E.S.E.	3·1	0·8	fine
2	1009·6	S.E.	3·3	1·8	cloudy.
3	1011·6	S.E.	5·0	40·6	over & rainy
4	1012·2	E.S.E.	4·9	0·2	fine.
5	...	...	...	...	.....
6	1013·3	S.E.	3·5	...	fine.
7	1013·4	E.S.E.	4·1	...	"
8	1012·7	S.E.	3·8	...	"
9	1012·8	S.E.	4·3	0·8	"
10	1011·4	E.S.E.	4·6	...	"
11	1009·6	E.S.E.	5·0	...	overcast.
12	1008·4	E.	4·6	...	cloudy.
13	1007·7	E.b.S.	3·6	...	fine.
14	1007·9	South	1·0	7·6	"
15	1007·4	South	1·0	2·5	"
16	1009·5	S.S.W.	1·7	...	"
17	...	...	...	...	.....
18	...	...	...	...	.....
19	1009·6	S.E.	3·7	2·8	fine.
20	1010·7	E.S.E.	4·9	0·2	overcast.
21	...	...	...	...	.....
22	1007·5	...	...	...	.....
23	1007·9	S.E.	3·1	...	fine.
24	1008·2	...	...	...	.....
25	1005·8	S.E.	4·1	...	overcast.
26	1003·9	E.S.E.	3·4	4·1	"
27	1005·1	E.b.N	8·1	9·1	"
28	1003·3	N.	3·1	13·7	"
29	999·5	N.N.W.	5·1	3·6	"
30	1000·7	S.S.E.	3·4	23·9	"
31	1007·3	S.E.b.S.	5·5	27·7	"
Mean	1008·4	...	3·9	139·4	.....

There is no record in the annals of the Royal Alfred Observatory of a tropical cyclone having travelled west of Rodrigues after the 29th of April. Some stationary cyclones have been reported, but the records of such storms are so uncertain that little importance can be attached to them.

The storm which passed about 80 miles S.E. of Mauritius on the night of the 26th to 27th is, in consequence, unprecedented with respect to the epoch and locality in which it formed.

Pressure had been below normal since the 9th, had decreased to −3·3 mbs. by the 15th and had partially recovered by the 17th, from which date a steady decrease was recorded until the 23rd. On the 24th pressure increased again and then fell rapidly during the afternoon and evening of the 25th under the influence of a cyclonic storm.

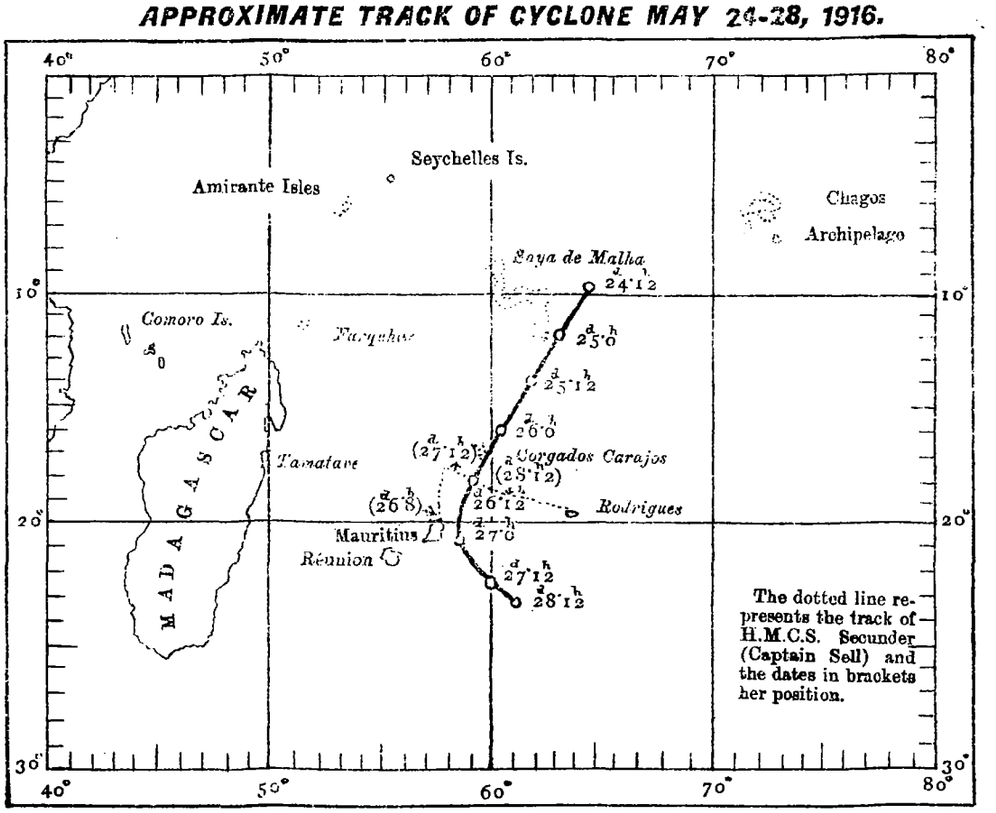
The general decrease of pressure over the whole ocean area in the vicinity of Mauritius from the 17th to the 23rd appears to have been due to the passage of a Southern low pressure system, and the increasing S.E. trades of the 25th were at first ascribed to the effect of an anticyclonic system such as generally follows the Southern V shaped or cyclonic depressions. A rapid increase of pressure was anticipated, especially as, on the 24th, the barometer showed a marked tendency to rise.

The steady increase of wind during the night of the 24th and 25th was, however, in the light of subsequent events, evidently produced by the steepening gradient toward the northern cyclonic area which, from the observations at St. Brandon (Cargados Carajos), was certainly forming on the 24th.

The telegrams issued by the observatory are given on p. (xxiv). These telegrams give detailed information concerning the progress of the storm and, in conjunction with the observations at Mauritius, Rodrigues and St. Brandon, and those taken on board vessels within the storm area will supply sufficient data for studying the cyclonic conditions in all its phases. The rate of progression appears to have been about 15 miles per hour.

The track of this cyclone is given in the accompanying diagram. The observations at Mauritius and Rodrigues and on board ships near the disturbed area will be found in the tables :—

APPROXIMATE TRACK OF CYCLONE MAY 24-28, 1916.



1916 May 22.

Number of Vessel in Register.	Position at Noon. Lat. (S.)	Long. (E.)	Atmospheric pressure. 9 h.	Noon.	15 h.	Maximum Temperature. (Cent).	Wind Direction and Force. 9 h.	Noon.	15 h.	Remarks.
	°	°	mbs.	mbs.	mbs.	°				
15330	11½	56½	...	1015·2	1014·9	...	S.E. (4)	S.E. (4)	S.S.E. (4)	f.
15331	St. Brandon		...	1012·0	...	...	S.E.	...	S.E. (6)	c.p. heavy sea : f. heavy sea
Rodrigues ...			1014·5	...	1012·8	28	E.S.E. (2)	...	E.S.E.	c. : c. sea rising
Mauritius ...			1012·8	1011·7	1010·6	26	E.N.E. (1)	E.N,E. (2)	E.N.E. (1)	c.p. : f.

1916 May 23.

15330	11	57½	...	1014·2	1010·1	...	S.S.E. (5)	S.S.E. (6)	S.S.E. (6)	c.p. mod. sea : r.q. mod. sea
15331	St. Brandon		...	1010·0	...	...	S.E. (6)	...	...	c. heavy sea : c.q.r. heavy sea
Rodrigues ...			1014·9	...	1012·3	28	S.E. (1)	...	S.E.	f. sea rising
Mauritius ...			1012·8	1011·1	1010·2	26	E. (1)	E. (1)	E. (1)	f.

1916 May 24.

15330	11	59¼	...	1008·1	1006·7	...	S. (6)	S. (6)	S. (6)	r.q. high sea : c.q. rough sea
15331	St. Brandon		...	...	1006·7	...	S.E. (6)	...	S.S.E. (8)	c. heavy sea : heavy conf. sea
Rodrigues ...			1015·2	...	1012·5	28	S.S.E. (1)	...	S.S.E.	c. : f. sea rough
Mauritius ...			1013·6	1012·6	1011·3	26	E. (1)	E.b.S. (2)	E.S.E. (2)	f. : f.q. : b.

1916 May 25.

15330	10¾	59¾	1007·4 (4 a.m.)	1008·8	1009·8	...	S.b.W. (8)	S.b.W. (8)	S.S.W. (7)	r.q. high conf. sea : c. weather improving
15331	off St. Brandon		1005·6	1002·7	1001·4	...	...	S.	S. (10)	o.g.r.q. high confused sea : o.g.r.q. cross sea
15334	Pt. Louis		...	...	...	...	...	...	...	22h to midt. wind E.S.E. (7) o.g.q. r. heavy sea
Rodrigues ...			1012·8	...	1012·6	28	S.E. (2)	...	S.E.	o.g.p. sea rough
Mauritius ...			1012·6	1010·8	1009·6	25	E.b.S. (1)	E.S.E. (3)	S.E.b.E. (3)	f. : c. : f.q. : o.g.p.

1916 May 26.

15331	14¾	58	*1001·4	1004·0	1004·0	...	S.W. (9)	S.W. (7)	S.W. (7)	o.g.q. heavy sea : f. high conf. sea
15330	11¾	60½	...	1012·5	1012·5	...	W.S.W. (4)	W.S.W. (4)	W.N.W. (2)	b. : b. confused sea
15334	...	...	1005·4	1001·3	996·9	..	S.S.W. (9)	S.S.W. (10)	S.S.W. (10)	q. very heavy sea
Rodrigues ...			1010·8	...	1009·5	25	E.S.E. (4)	...	E.S.E.	o.g.r.q. sea rough
Mauritius ...			1006·0	1002·7	998·0	23	S.E.b.E. (5)	S.E. (5)	S.E.b.S. (6)	o.g.r. : o.g.q.p.

* Lowest pressure 994·7 mbs. at 2 a.m. wind S.

1916 May 27.

Number of Vessel in Register.	Position at Noon. Lat. (S.)	Position at Noon. Long. (E.)	Atmospheric Pressure. 9 h.	Atmospheric Pressure. Noon.	Atmospheric Pressure. 15 h.	Maximum Temperature. (Cent).	Wind Direction and Force. 9 h.	Wind Direction and Force. Noon.	Wind Direction and Force. 15 h.	Remarks.
	°	°	mbs.	mbs.	mbs.	°				
15330	12¾	60¼	...	1013·2	1013·5	...	W.N.W. (2)	W.N.W. (2)	W.N.W. (2)	c.p. conf. sea & swell: b. confused sea
15334	17¼	58½	1012·2	1010·5	1010·5	...	W. b. N.	N.N.W.	N.N.W. (2)	wind abating: f. confused sea sea moderate but confused
Rodrigues		...	1012·1	...	1009·4	28	E.b.N. (4)	...	E.N.E.	o.r.q. sea rough
Mauritius		...	1000·9	1004·1	1004·0	26	S.W. (5)	S.W.b.W. (4)	S.b.W. (1)	f. : c.q. : f.q. : o.g.d.

1916 May 28.

15330	13½	...	...	1014·2	1014·2	...	W.N.W. (2)	W.N.W. (2)	N.W. (2)	b. confused sea: c.p. sea from W.S.W. E.N.E. & S.
15334	18¼	...	...	1014·8	1009·8	...	N.N.E.	N.W. (4)	N.W. (4)	b. mod. swell : f. moderate sea
Rodrigues		...	1010·3	...	1007·3	28	N. (1)	...	N.N.W.	c.p. : f. sea rough
Mauritius		...	1006·0	1004·9	1003·1	26	N.E. (0)	.SW. (2)	S.W. (2)	o.g. : f.

1916 May 29.

15330	15	61¼	...	1011·5	1009·5	...	W.N.W. (3)	W.N.W. (3)	W.N.W. (4)	c.p. conf. sea : q. confused sea
15334	...	...	1008·1	1013·9	...	...	N.W. (4)	N.W. (4)	...	o.g.p. mod. sea: anchored Rodrigues
Rodrigues		...	1006·5	...	1004·5	28	N.N.W. (2)	...	N.W.	o.r. : c.p. sea rough
Mauritius		...	1003·3	1002·6	1002·2	26	S.W. (2)	S.b.E. (3)	S.b.E. (2)	c.q. : c.q.p. : f.q.

1916 May 30.

15530	17½	61	...	1007·8	1007·1	...	W.N.W. (7)	W.N.W. (7)	W.S.W. (2)	r.q. high sea from S.E. & N. W. : 20 p.m. light from Srd. Midght. wind S.S.E. (7) high sea
Rodrigues		...	1007·7	...	1007·6	28	S.S.E. (1)	...	S. E.	g.r. sea rough
Mauritius		...	1009·7	1009·2	1008·6	24	S.S.E. (1)	S.E. b. S. (1)	S.E.b.S. (1)	f.q. : c. : f.p.

1916 May 31.

15330	18¾	60½	...	1011·5	1011·5	...	S.E.b.S. (9)	S.E.b.S. (9)	S.E. (9)	r.q. very high sea
Rodrigues		...	1014·3	...	1012·7	24	S.E.b.S. (3)	...	S.S.E.	o.g.q.r. sea rough
Mauritius		...	1012·8	1012·1	1011·0	24	S.E. (2)	S.E. b. E. (3)	E.S.E. (2)	f. : c. : o.g.q.

1916 June 1.

Number of Vessel in Register.	Position at Noon.		Atmospheric Pressure.			Maximum Temperature.	Wind Direction and Force.			Remarks.
	Lat. (S.)	Long. (E.)	9 h.	Noon.	15 h.		9 h.	Noon.	15 h.	
	°	°	mbs.	mbs.	mbs.	°				
15530	19¾	59½	...	1014·9	1017·6	...	S.E. (8)	S.E. (4)	E.S.E. (4)	r.q. high sea : b. wind & sea moderating
Rodrigues ...			1016·9	...	...	...	S.E. (3)	...	...	o.g.p. : .....
Mauritius ...			1015·0	1013·7	1012·8	23	S.E. b. E. (3)	...	E.S.E. (1)	o.g.d. : o.g.r.

Index to Vessels.

Number of Vessel in Register.	Ship's Name.	Number of Vessel in Register.	Ship's Name.
15330	Bark Umvoti	15334	H.M.C.S. Secunder.
15331	Sch. St. Géran		

OBSERVATORY WEATHER TELEGRAMS

26d. 4h. Strong trades of the last few days have developed cyclone N.E. ward. Cannot yet say whether near approach is likely. Centre N.E., approximate distance 550 kilometres.

6h. Rapid fall of barometer with steady wind direction render precautions in Harbour advisable.

8h. Not yet certain whether rapid decrease of pressure indicates direct approach or rapid rate of travelling.

9h. Conditions unchanged.

10h. Barometer is stationary : still danger until wind shifts, but conditions indicate Mauritius is in right hand advancing quadrant (safe semi-circle).

12h. (noon) No signs curving : conditions still indicate approach along right-hand semi-circle. Probable increase wind before evening. Centre N.E. ward, approximate distance 450 kilometres.

14h. Conditions of track still unchanged : indicate centre will pass S.E. during night. Probable increase Southerly winds. Precautions buildings advised.

16h. Conditions unchanged : increasing southerly winds still expected during night.

18h. Present conditions indicate centre will pass short distance S.E. about midnight. Whole gale from S.E. to S.W. may be expected.

20h. No reasons to modify 18 hour forecast. Will telegraph at 4 a.m.

27d. 4h. Centre curved slightly during night taking more southerly track. Lowest pressure midnight with centre about 200 kilometres S.E. No more telegrams.

From the track of the storm and the wind records at the Observatory, the difference in the maximum velocity for one hour between the observatory and the South East of the Island may be determined with a small margin of error. The *direct* approach toward the observatory during the six hours previous to the maximum wind velocity recorded there, is approximately equal to the difference between the nearest approach to the observatory and the nearest approach to the S.E. corner of the Island. As the centre did not come within 150 kilometres of the S.E. of the Island the increase of wind velocity during these intervals, from analogous conditions in previous cyclones, may be considered equal; so that the velocity for one hour at Mahebourg must have reached about 25 metres per second (18·6+6·0) (*see* Table XII 26 12^h to 18^h.

After the passage of the cyclone the barometer remained unusually low, the depression apparently remaining stationary and slowly filling up in the position noted for the 28th on the chart. From the observations at Rodrigues there is every reason to believe that a second tropical storm passed at a considerable distance East of that station on the 30th, but no vessels have yet entered which permit the determination of a track. The weather remained disturbed for several days after the passage of the storm.

A. WALTER,

Director.

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RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JUNE, 1916.

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

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of JUNE 1916.

Month and Day. 1916.	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 γ)	Daily Range of. Vertical Force (Unit γ)	List of Earthquakes. Date, 1916.	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	″	
June 1	9.47.5	·23196	·30711	6·0	39	25											
2	47·7	198	708	6·2	18	28											
3	47·7	205	707	7·6	15	21											
4	47·2	206	705	4·4	28	14											
5	47·7	206	703	6·0	19	17											
6	47·3	206	705	5·8	28	8											
7	47·3	202	701	3·2	40	13											
8	47·3	196	702	3·0	55	14											
9	47·4	194	700	4·4	39	13											
10	47·6	200	697	4·0	27	14											
11	47·6	217	696	3·8	44	8											
12	47·3	215	694	2·8	56	15											
13	47·3	207	694	3·0	36	12											
14	47·2	212	691	3·2	35	16											
15	47·8	206	690	4·0	25	16											
16	47·3	210	690	2·2	18	9											
17	47·2	214	687	4·2	29	15											
18	47·2	215	685	4·0	29	20											
19	47·0	209	685	5·4	51	15											
20	46·9	195	684	4·2	44	6											
21	47·3	195	684	3·2	29	12											
22	47·2	190	682	4·0	56	15											
23	46·6	192	682	6·4	58	11											
24	47·4	196	679	5·6	31	21											
25	47·1	215	675	6·0	55	17											
26	47·1	210	674	5·8	38	17											
27	47·3	202	671	6·2	34	20											
28	47·5	208	672	4·2	35	14											
29	46·9	211	669	2·4	16	11											
30	47·3	204	666	2·4	51	13											
Mean	9.47·31	·23204	·30690	44·5	35·9	15·0	...	...	...	...	...	...	...	...	...	...	...

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of JUNE 1916.

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	° ′
June 7. 8.38	9·45·6	June 7. 9.38	·23218	June 2.10.51	52.55·1
13.48	9.46·0	12.56	·23209	6.10.50	52.54·2
15 8.23	9.48·9	15. 9.26	·23223	10.11. 9	52.54·9
13.51	9.45·8	12.59	·23212	17.10.53	52.53·2
21· 8·32	9.48·0	21. 9.36	·23206	21. 8.52	52·54·4
13.43	9.45·4	12.56	·23191	26. 9.51	52·53·2
27· 7.48	9.47·6	27. 9.26	·23221	26.13.30	52·50·3
13·48	9.45·2	13.05	·23224	30.13.26	52·52·1

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

JUNE 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	47·9	47·5	47·3	47·5	47·9	47·6	47·8	48·0	48·4	47·8	47·8	47·8	47·7	47·7	47·7	47·7	Midnight
1h	47·7	47·7	47·5	47·7	47·9	47·4	47·2	47·8	47·8	47·6	47·6	48·0	47·9	47·7	48·1	47·5	1h
2	47·3	47·9	47·7	47·9	47·9	47·4	47·8	47·4	47·2	47·2	47·4	47·6	47·9	47·9	47·9	47·7	2
3	47·9	47·9	47·9	47·9	47·9	47·2	47·8	47·2	46·0	47·2	47·4	47·2	47·9	47·7	47·5	47·7	3
4	47·9	47·9	47·9	47·9	47·9	47·4	45·6	45·8	47·6	47·4	47·4	47·2	47·7	47·7	47·7	47·7	4
5	47·9	47·9	47·9	47·9	47·9	47·8	47·2	46·4	47·4	47·4	47·2	47·8	47·7	47·7	48·1	47·7	5
6	47·9	48·1	47·9	47·9	47·9	47·4	47·0	46·6	46·2	47·6	47·6	47·4	47·7	47·7	48·1	47·7	6
7	46·1	47·1	47·7	46·5	47·7	46·0	46·0	46·2	45·8	46·6	46·6	46·0	46·9	45·7	48·1	47·1	7
8	46·7	47·5	48·1	46·7	47·7	46·4	46·0	46·2	45·8	47·0	46·0	46·4	47·9	46·5	48·5	46·7	8
9	48·1	48·1	50·1	48·1	49·1	48·0	46·2	44·6	47·2	48·0	48·0	47·6	47·9	48·1	48·7	47·7	9
10	49·5	49·9	51·5	48·5	49·9	49·8	46·8	46·2	47·8	49·4	49·2	47·8	47·9	48·3	49·7	47·9	10
11	50·1	50·1	49·9	48·1	49·7	49·8	48·4	48·0	49·0	49·8	49·6	48·6	47·9	47·7	49·7	47·7	11
Noon	49·9	49·9	49·3	47·3	49·5	49·4	49·0	48·2	49·8	49·8	48·8	48·4	47·7	46·7	49·5	47·7	Noon
13h	47·9	48·7	47·1	45·3	47·5	46·8	47·8	48·4	49·0	48·0	47·0	47·2	45·9	45·7	47·7	46·3	13h
14	45·9	47·7	45·1	44·5	45·9	45·8	47·4	47·2	47·2	47·8	46·0	46·0	45·5	45·1	45·9	45·7	14
15	44·1	44·9	43·9	44·1	43·9	44·0	46·2	45·8	45·4	46·2	45·8	45·8	44·9	45·7	45·7	45·7	15
16	44·1	43·9	44·3	44·1	43·9	44·2	45·8	45·8	45·4	45·8	45·8	45·8	45·7	45·7	45·7	45·7	16
17	46·3	45·9	46·5	46·3	46·3	46·0	47·2	47·8	47·0	46·0	47·4	46·0	47·1	46·7	46·1	47·3	17
18	47·3	47·5	47·9	47·9	47·9	47·8	47·8	48·6	47·8	47·6	47·8	47·8	47·7	47·7	47·7	47·7	18
19	47·9	47·9	47·9	48·1	48·1	48·0	48·0	48·8	48·0	47·8	48·0	47·8	47·7	47·7	47·7	47·9	19
20	47·9	47·9	47·9	48·1	48·1	48·0	48·4	48·0	48·0	48·0	48·0	47·8	47·9	47·9	47·9	47·9	20
21	47·9	47·9	47·9	48·1	48·1	48·0	48·2	48·0	48·0	47·8	48·2	47·8	47·7	47·7	47·7	47·7	21
22	47·7	47·9	47·9	48·1	47·9	48·0	48·2	48·2	47·8	48·0	48·2	48·0	47·7	47·7	47·7	47·7	22
23	47·7	47·3	47·7	47·9	47·9	47·8	48·0	49·0	47·8	47·8	48·6	47·8	47·7	47·7	47·7	47·7	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean	Day. / Hour.
	9° +															
	′	′	′	′	′	′	′	′	′	′	′	′	′	′		
Midnight	47·3	47·7	47·7	47·9	47·8	47·6	49·6	47·6	47·6	47·8	47·6	47·8	47·1	47·5	47·8	Midnight
1h	47·3	47·7	46·3	46·3	47·4	46·6	47·8	47·0	47·6	48·0	47·8	47·6	47·5	46·7	47·5	1h
2	47·5	47·7	45·5	45·7	47·0	47·2	48·8	47·6	47·4	47·6	47·6	47·6	47·5	47·5	47·5	2
3	47·7	47·7	46·1	45·7	46·2	46·2	45·0	47·6	46·8	47·8	47·4	47·6	47·5	47·5	47·2	3
4	47·7	47·7	46·7	45·7	46·8	46·0	47·6	47·2	45·8	47·6	47·2	47·6	47·5	48·1	47·3	4
5	47·7	47·7	46·7	46·1	46·8	45·6	47·0	46·0	47·0	47·6	47·6	47·4	46·3	47·5	47·3	5
6	47·3	47·7	46·3	45·9	47·2	45·8	46·6	47·4	47·4	47·6	47·4	47·6	46·9	47·5	47·3	6
7	46·1	46·9	44·7	45·5	47·2	45·6	44·0	45·8	46·6	45·8	46·0	46·0	45·9	46·9	46·3	7
8	46·5	47·1	44·1	45·7	47·6	45·6	43·2	46·6	47·2	45·6	45·8	45·8	45·9	45·9	46·4	8
9	47·9	46·7	47·5	45·7	47·8	47·0	44·6	49·2	48·0	47·2	48·6	47·8	47·5	47·1	47·6	9
10	48·5	48·1	47·9	46·1	48·6	47·8	46·8	49·6	49·6	48·2	49·6	49·6	47·9	47·7	48·5	10
11	47·9	47·9	47·9	45·7	48·8	49·2	47·4	49·6	49·4	49·4	49·8	49·6	47·5	47·7	48·7	11
Noon	47·9	47·7	47·7	47·5	48·2	49·4	46·0	49·6	48·0	49·0	49·6	49·6	46·3	47·9	48·5	Noon
13h	47·7	47·1	45·7	47·7	47·2	47·8	45·6	48·8	47·6	46·0	47·6	48·4	45·7	47·7	47·2	13h
14	45·9	45·9	45·3	47·3	45·6	47·6	45·6	47·2	45·2	44·2	46·2	47·6	45·5	47·5	46·2	14
15	44·9	44·9	45·7	45·9	45·6	45·6	45·0	44·0	43·8	43·6	43·8	45·4	45·7	45·9	45·1	15
16	44·3	44·1	46·1	45·7	45·6	45·6	45·6	44·2	43·6	44·8	43·6	45·4	45·7	45·5	45·0	16
17	46·5	45·9	47·9	47·5	46·0	46·0	46·6	46·2	45·6	46·6	45·6	46·2	46·9	46·5	46·5	17
18	47·7	47·7	48·3	48·5	47·6	47·6	47·6	47·6	46·8	47·2	47·4	47·6	47·5	47·5	47·7	18
19	47·9	48·1	49·1	49·7	47·6	47·6	47·8	47·6	47·6	47·8	47·4	47·6	47·7	47·5	47·9	19
20	48·1	48·1	48·9	48·3	47·8	47·8	47·6	47·8	47·8	47·8	47·6	47·8	47·7	47·7	47·9	20
21	47·9	47·9	49·5	48·1	47·8	47·8	47·8	47·8	47·8	47·6	47·6	47·8	47·7	47·7	47·9	21
22	47·9	47·9	47·9	48·3	48·0	49·8	47·8	47·8	47·6	47·8	47·8	47·6	47·5	47·7	47·9	22
23	47·7	47·7	48·1	48·3	48·0	49·6	47·6	47·6	47·6	47·8	47·8	47·4	47·5	47·5	47·9	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

JUNE 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	177	194	204	203	202	201	200	183	170	195	198	216	207	203	204	204	Midnight
1h	183	194	204	204	201	202	210	197	173	189	198	216	206	199	206	204	1h
2	185	195	205	203	203	202	201	199	181	189	199	216	206	202	207	204	2
3	188	196	204	204	203	202	199	192	189	191	199	207	206	214	214	204	3
4	187	196	205	204	204	204	200	204	187	196	198	214	214	206	214	204	4
5	188	196	204	205	211	205	210	208	189	207	204	208	216	206	213	207	5
6	189	197	205	207	212	206	207	207	189	207	207	211	215	210	214	212	6
7	203	202	212	214	214	217	208	212	194	215	215	216	218	216	214	213	7
8	207	203	214	219	213	220	211	219	202	210	225	226	216	224	218	218	8
9	207	204	211	222	212	218	214	216	206	215	229	233	207	229	215	222	9
10	216	204	205	222	215	212	221	225	208	216	235	235	211	232	215	219	10
11	210	205	204	222	216	212	220	217	209	213	242	236	225	234	214	213	11
Noon	216	197	204	218	213	211	221	209	205	207	241	242	223	226	213	213	Noon
13h	216	193	204	213	201	212	215	209	194	199	238	236	215	221	211	212	13h
14	214	187	213	203	202	212	198	210	198	198	236	228	206	215	208	212	14
15	197	194	206	194	203	202	191	191	202	193	226	209	202	205	197	209	15
16	188	194	204	194	202	192	190	183	198	189	218	207	201	205	193	208	16
17	188	195	201	197	197	197	190	180	198	194	215	208	194	205	195	210	17
18	190	196	199	203	203	201	199	180	196	197	214	208	192	205	195	211	18
19	195	196	203	201	203	209	188	172	195	193	215	207	189	205	195	210	19
20	191	198	202	198	202	201	181	181	192	194	210	207	197	204	195	211	20
21	188	201	203	199	203	201	189	173	191	194	216	186	204	202	199	205	21
22	189	201	203	200	202	201	191	170	189	193	211	189	203	205	201	204	22
23	193	204	204	198	203	200	191	174	194	198	215	200	205	206	205	204	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).															
Midnight	204	210	200	180	179	173	161	183	194	202	201	200	208	209	195·5	Midnight
1h	207	211	202	190	188	188	165	186	196	197	193	201	205	231	198·2	1h
2	210	211	226	200	188	178	170	187	197	202	193	202	206	226	199·8	2
3	211	211	209	195	195	188	178	186	202	201	201	201	202	199	199·7	3
4	211	212	210	211	197	190	183	188	211	202	201	201	207	207	202·3	4
5	211	211	209	210	198	198	189	195	204	209	199	203	209	207	204·3	5
6	212	216	211	209	198	198	205	201	213	212	201	204	211	216	206·7	6
7	220	222	210	209	203	202	216	204	223	216	210	208	215	217	211·9	7
8	228	221	219	209	206	208	216	205	231	221	212	219	217	217	215·8	8
9	231	230	219	210	207	216	216	212	239	227	219	227	214	220	218·2	9
10	231	230	219	217	207	216	218	211	249	222	221	227	217	226	220·1	10
11	227	230	229	210	208	213	219	214	235	228	226	221	218	225	219·8	11
Noon	223	230	228	199	203	207	196	206	232	229	220	226	218	210	216·2	Noon
13h	224	223	219	197	199	206	204	204	241	231	209	222	217	210	213·2	13h
14	223	229	222	190	204	199	209	197	232	231	201	220	218	210	210·8	14
15	218	215	225	185	197	188	198	197	213	219	194	203	210	199	202·7	15
16	210	220	207	184	196	185	191	193	207	206	190	197	211	188	198·4	16
17	203	205	194	188	199	188	182	194	204	202	193	201	208	183	196·9	17
18	204	213	196	180	199	186	181	190	203	196	198	209	206	182	197·4	18
19	205	211	203	190	191	169	186	188	204	193	195	200	207	187	196·8	19
20	202	211	199	179	188	169	183	190	204	202	199	201	208	180	196·0	20
21	204	201	194	173	182	169	178	193	210	200	192	193	208	185	194·5	21
22	211	201	191	181	181	160	178	192	199	198	193	192	208	184	194·0	22
23	211	201	178	183	179	162	178	194	203	204	199	200	209	180	195·8	23

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

JUNE 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	715	712	710	709	708	704	705	704	703	700	696	693	694	694	692	691	Midnight
1h	715	712	709	707	707	704	704	703	701	700	697	694	693	694	691	690	1h
2	714	711	708	707	707	704	703	702	701	700	696	693	693	693	691	690	2
3	713	711	708	707	706	704	704	702	701	701	697	694	693	692	691	690	3
4	713	710	708	706	705	703	702	702	701	702	698	695	693	693	691	690	4
5	714	710	708	706	705	703	704	701	701	701	698	696	695	693	691	690	5
6	714	711	708	706	705	703	703	702	701	701	699	696	694	694	691	690	6
7	712	710	708	704	704	701	701	701	699	700	696	694	693	692	691	689	7
8	715	712	710	704	706	702	701	701	699	700	696	693	695	692	693	690	8
9	717	715	713	706	707	707	701	704	701	700	697	694	696	695	693	691	9
10	717	717	714	704	705	709	700	705	701	701	697	695	695	695	693	692	10
11	715	715	710	703	700	707	698	705	702	700	696	696	694	691	691	689	11
Noon	712	711	703	701	699	707	698	702	702	697	694	694	693	686	687	688	Noon
13h	705	704	700	697	694	705	697	699	700	694	691	687	688	680	683	687	13h
14	695	698	693	695	693	701	696	696	696	692	691	684	689	679	679	686	14
15	692	691	695	696	691	702	693	693	690	689	693	686	690	682	680	685	15
16	695	689	699	699	695	703	695	693	692	688	694	689	693	686	683	686	16
17	706	697	704	705	701	705	697	700	700	692	698	692	696	692	689	690	17
18	711	705	707	709	704	707	702	702	702	696	699	695	700	695	692	692	18
19	713	708	708	709	705	706	703	707	702	697	699	697	699	695	694	692	19
20	714	710	710	709	706	706	706	703	702	698	698	697	698	695	695	693	20
21	715	711	710	709	706	707	705	703	702	698	698	697	698	695	695	693	21
22	714	711	710	709	706	707	705	705	702	698	697	699	696	695	695	694	22
23	715	711	710	709	706	707	705	706	701	697	698	697	696	693	693	692	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).															
Midnight	689	687	687	686	687	684	686	681	677	675	672	673	670	668	691·7	Midnight
1h	688	687	686	685	686	683	685	681	678	676	673	672	671	665	691·2	1h
2	688	686	685	684	685	683	685	682	678	675	674	672	671	666	690·9	2
3	688	685	685	685	685	683	680	682	677	676	674	672	670	666	690·7	3
4	687	685	685	683	685	683	683	682	677	677	674	673	671	668	690·8	4
5	687	685	685	684	685	682	683	682	678	676	675	673	670	667	690·9	5
6	687	685	685	684	684	682	682	684	679	678	675	674	671	667	691·2	6
7	686	684	683	682	683	681	680	681	677	675	674	672	670	666	689·6	7
8	688	685	685	685	684	681	680	681	676	673	675	673	670	666	690·4	8
9	690	687	689	685	688	682	682	684	677	675	676	675	672	666	692·2	9
10	691	689	691	684	688	683	683	683	675	677	676	677	670	668	692·5	10
11	691	689	688	681	684	684	681	681	674	674	673	672	664	666	690·5	11
Noon	689	687	684	682	680	681	680	680	672	670	668	670	662	664	688·1	Noon
13h	685	681	679	684	675	677	676	678	664	664	663	663	661	664	684·2	13h
14	678	673	676	685	675	676	675	669	662	663	658	662	662	661	681·3	14
15	676	670	677	682	680	673	677	663	666	665	656	663	665	658	680·6	15
16	679	674	680	681	679	675	680	670	670	673	659	665	665	658	682·9	16
17	685	682	683	681	683	679	682	677	675	678	668	671	668	663	688·0	17
18	688	687	686	684	684	681	685	679	678	680	673	674	670	667	691·1	18
19	689	687	686	686	685	683	684	680	679	680	675	674	671	669	692·1	19
20	690	687	687	684	685	685	683	680	679	678	675	675	672	671	692·4	20
21	690	689	689	687	686	685	683	680	678	677	675	676	672	671	692·7	21
22	691	690	687	687	686	688	682	680	677	677	676	676	671	671	692·7	22
23	690	688	689	687	686	686	683	680	677	676	675	675	671	671	692·3	23

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) Highest.	Lowest.	Range.	Mean.	Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. (Centigrade). Mean.	Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
June 1	1007·0	− 4·2	22·5	20·4	2·1	21·4	+0·1	20·6	20·0	+ 2·9	92	+15	23·2	19·5	7·6	365	3·7	8·5
2	1007·8	− 3·5	26·0	20·5	5·5	22·7	+1·5	21·3	20·2	+ 3·2	86	+ 9	23·4	19·1	0·1	5	3·1	5·7
3	1008·6	− 2·8	24·8	20·6	4·2	22·3	+1·1	21·0	20·0	+ 3·1	87	+10	23·2	19·9	4·8	255	2·6	8·8
4	1009·6	− 1·9	24·5	20·2	3·3	21·9	+0·8	20·1	18·7	+ 1·8	82	+ 5	21·4	19·1	0·2	5	4·3	4·9
5	1010·2	− 1·3	24·5	19·8	4·7	21·6	+0·5	20·1	18·9	+ 2·1	85	+ 8	21·6	17·6	0·0	...	3·0	4·4
6	1008·2	− 3·4	24·9	17·4	7·5	20·8	−0·3	18·6	16·9	+ 0·2	75	− 2	19·0	14·6	0·2	5	3·8	2·2
7	1006·1	− 5·6	24·3	15·9	8·4	19·3	−1·7	17·1	15·3	− 1·4	77	0	17·2	11·9	0·0	...	3·3	2·1
8	1005·8	− 6·0	24·2	16·2	8·0	20·1	−0·8	18·6	17·4	+ 0·8	85	+ 8	19·7	11·9	2·5	40	2·5	7·4
9	1006·9	− 5·0	23·9	19·0	4·9	20·8	−0·1	18·4	16·6	+ 0·1	77	+ 1	18·7	17·1	0·0	...	3·4	7·9
10	1008·0	− 4·0	24·6	17·2	7·4	20·8	0·0	18·4	16·6	+ 0·2	77	+ 1	18·7	15·0	0·0	...	3·3	4·4
11	1010·0	− 2·1	24·0	16·2	7·8	20·3	−0·4	17·0	14·4	− 2·0	69	− 7	16·3	11·2	0·0	...	3·6	3·0
12	1010·1	− 2·1	24·3	19·5	4·8	21·4	+0·7	19·3	17·7	+ 1·4	80	+ 4	20·1	15·7	7·3	75	2·5	4·6
13	1009·6	− 2·7	24·9	19·0	5·9	21·4	+0·8	19·5	18·0	+ 1·8	81	+ 5	20·4	15·4	4·0	115	1·3	8·0
14	1009·2	− 3·2	24·3	18·2	6·1	20·9	+0·3	18·2	16·1	− 0·1	74	− 2	18·1	15·4	0·0	...	4·0	4·3
15	1010·4	− 2·0	24·7	17·3	7·4	20·8	+0·2	18·4	16·6	+ 0·5	77	+ 1	18·7	12·7	0·0	...	3·0	4·3
16	1012·4	− 0·1	24·9	18·5	6·4	21·3	+0·8	19·6	18·3	+ 2·2	83	+ 7	20·8	15·1	4·9	115	3·9	6·1
17	1012·7	+ 0·1	24·4	19·5	4·9	21·2	+0·7	19·2	17·7	+ 1·7	81	+ 5	20·1	17·4	0·2	10	3·4	4·6
18	1012·2	− 0·5	22·9	18·9	4·0	20·5	+0·1	18·4	16·7	+ 0·8	79	+ 3	18·8	15·9	0·6	15	2·6	4·6
19	1012·6	− 0·2	24·1	19·0	5·1	21·0	+0·6	18·8	17·1	+ 1·2	78	+ 2	19·3	17·1	0·9	25	4·0	3·9
20	1012·8	− 0·1	24·5	18·6	5·9	21·0	+0·6	19·6	18·5	+ 2·6	86	+10	21·1	17·3	3·9	25	2·8	5·4
21	1012·7	− 0·3	24·5	17·6	6·9	20·7	+0·4	18·3	16·4	+ 0·6	76	0	18·5	14·2	0·0	...	4·0	3·6
22	1011·9	− 1·2	23·7	15·8	7·9	20·2	−0·1	17·5	15·4	− 0·4	74	− 2	17·3	15·8	0·5	10	4·1	3·4
23	1011·4	− 1·8	23·6	14·9	8·7	19·6	−0·6	16·8	14·5	− 1·3	73	− 3	16·4	11·3	0·0	...	4·3	3·5
24	1012·8	− 0·5	23·6	16·6	7·0	20·0	−0·2	16·7	14·1	− 1·7	69	− 7	15·9	14·1	0·0	...	4·3	2·1
25	1015·0	+ 1·7	23·9	16·5	7·4	20·0	−0·2	17·3	15·2	− 0·5	74	− 2	17·1	10·3	0·0	...	3·6	4·1
26	1016·6	+ 3·2	23·8	17·5	6·3	20·2	+0·1	17·2	14·8	− 0·9	71	− 5	16·7	13·8	0·8	20	3·5	4·4
27	1015·9	+ 2·4	23·4	17·7	5·7	20·2	+0·1	17·5	15·4	− 0·3	74	− 2	17·3	12·4	2·4	25	3·9	5·2
28	1014·5	+ 0·9	23·2	16·8	6·4	20·0	−0·1	16·8	14·3	− 1·4	70	− 6	16·2	13·9	0·0	...	3·1	3·8
29	1013·7	+ 0·1	22·2	15·8	6·4	18·9	−1·2	16·9	15·3	− 0·4	80	+ 4	17·2	11·2	3·2	50	0·8	6·0
30	1012·3	− 1·4	23·6	16·9	6·7	19·4	−0·7	17·7	16·3	+ 0·6	82	+ 6	18·4	13·6	1·5	40	2·8	5·6
Mean	1010·9	− 1·6	24·1	17·9	6·2	20·7	+0·1	18·5	16·8	+ 0·6	78·5	+2·2	19·0	15·0	Sum 45·6	Sum 1200	3·3	4·9
Average	1012·5	...	24·5	17·1	7·4	20·6	...	18·1	16·2	...	76·3	...	18·2	13·5	71·0	1411	3·2	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 June.

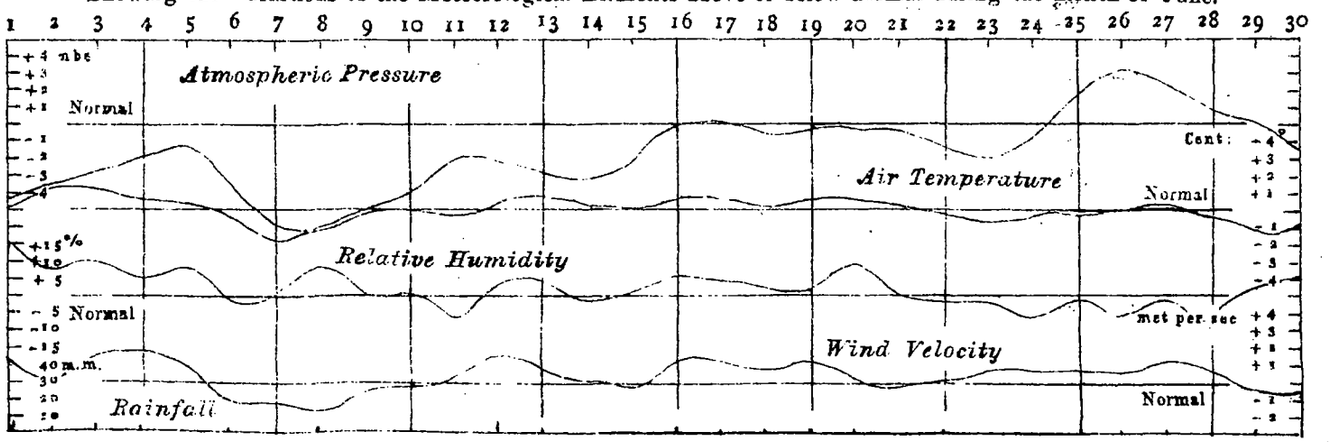

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1916.

Month and Day. 1916.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. 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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
June 1	0·6	5	− 2·5	+ 3·9	57	4·7	− 3	+ 1·9	4·7	+ 1·3	25·8	26·3	23·56	23·18	22·90	o.g.q. : o.d. : o.g.r. : f.
2	7·9	72	− 2·0	+ 2·5	51	3·2	− 9	+ 0·4	3·5	+ 0·1	25·8	26·3	23·75	23·56	23·93	f. : c. : f.
3	0·4	4	− 2·7	+ 4·1	57	4·9	− 3	+ 2·1	5·0	+ 1·6	25·7	26·1	24·17	23·99	23·88	o.g.r. : c.g.q.
4	9·9	91	− 3·0	+ 4·3	55	5·2	− 5	+ 2·3	5·3	+ 1·9	25·7	26·1	24·11	23·88	23·95	c. : f.q. : f.
5	9·0	83	− 1·4	+ 4·1	71	4·3	+ 11	+ 1·4	4·4	+ 1·0	25·7	25·9	24·05	23·73	23·64	f. : c.q. : f.
6	9·3	85	− 0·5	+ 2·3	78	2·3	+ 18	− 0·6	2·4	− 1·1	25·7	25·9	23·93	23·63	23·70	b. : f.
7	9·5	87	− 1·0	+ 2·1	64	2·3	+ 4	− 0·6	2·4	− 1·1	25·6	25·9	23·92	23·54	23·51	b. : f. : b.
8	2·1	19	− 0·7	+ 0·7	45	1·0	− 15	− 1·9	1·8	− 1·7	25·6	25·9	23·53	23·22	22·58	f. : c. : o.g.p. : o. : c.
9	6·2	57	− 1·4	+ 2·6	62	3·0	+ 2	+ 0·1	3·0	− 0·5	25·6	25·8	23·43	23·13	22·96	c.
10	7·8	72	− 0·7	+ 3·0	77	3·1	+ 17	+ 0·2	3·2	− 0·3	25·6	25·9	23·59	23·15	23·11	c. : f.
11	7·7	71	− 2·5	+ 2·5	45	3·5	− 15	+ 0·6	3·6	+ 0·1	25·7	25·8	23·48	23·06	22·84	b. : c. : f. : f.q. : b.
12	8·4	77	− 2·7	+ 4·0	56	4·9	− 4	+ 2·0	5·1	+ 1·6	25·6	25·8	23·36	23·02	22·97	b.q. : c.p. : f.q. : f. : c.p
13	8·1	74	− 1·5	+ 3·9	69	4·2	+ 8	+ 1·3	4·3	+ 0·8	25·7	25·7	23·41	23·21	23·55	o.r. : c. : c.p.
14	10·4	95	− 1·8	+ 3·0	59	3·5	− 2	+ 0·5	3·5	0·0	25·6	25·7	23·45	23·20	23·12	c.p. : f. : b.
15	10·0	92	− 1·7	+ 2·7	58	3·2	− 3	+ 0·2	3·2	− 0·3	25·6	25·7	23·27	22·87	22·63	b. : f. : c.
16	5·3	49	− 2·3	+ 4·1	61	4·7	0	+ 1·7	4·8	+ 1·3	25·4	25·6	23·18	22·89	22·44	b. : f. : c.q.p. : c.p.
17	7·3	67	− 2·6	+ 4·0	57	4·8	− 4	+ 1·8	4·8	+ 1·3	25·6	25·7	23·14	22·82	22·84	c. : f. : c. : b.
18	5·2	48	− 2·1	+ 3·4	58	4·0	− 3	+ 1·0	4·1	+ 0·6	25·6	25·6	22·95	22·52	21·99	b. : f. : o.p. : c. : f.
19	9·8	90	− 2·4	+ 4·1	60	4·8	− 1	+ 1·8	4·8	+ 1·2	25·5	25·5	22·73	22·33	22·31	f. : f.q. : f. : c.p
20	6·3	58	+ 0·2	+ 3·5	93	3·5	+ 32	+ 0·4	3·7	+ 0·1	25·6	25·7	22·86	22·52	22·43	f. : c. : c.p. : f.
21	10·2	94	− 1·3	+ 3·2	68	3·4	+ 7	+ 0·3	3·5	− 0·1	25·6	25·4	22·70	22·35	23·21	f.
22	10·4	95	− 1·9	+ 3·2	59	3·7	− 2	+ 0·6	3·8	+ 0·2	25·5	25·4	22·89	22·52	22·62	c.p. : b. : f. : b.
23	9·9	91	− 2·4	+ 3·5	56	4·2	− 6	+ 1·1	4·3	+ 0·7	25·6	25·6	22·49	22·01	21·84	b. : f.
24	10·1	93	− 1·8	+ 3·8	65	4·2	+ 3	+ 1·1	4·2	+ 0·6	25·5	25·4	22·39	21·87	21·64	b. : f.
25	8·5	78	− 1·3	+ 4·1	72	4·3	+ 10	+ 1·2	4·3	+ 0·7	25·5	25·2	22·24	21·71	21·53	f. : c. : f.q. : f.
26	9·0	83	− 0·8	+ 3·9	78	4·0	+ 16	+ 0·9	4·1	+ 0·5	25·5	25·3	22·23	21·89	21·96	c.p. : f.
27	8·2	75	− 1·2	+ 4·7	76	4·8	+ 14	+ 1·6	4·9	+ 1·3	25·6	25·3	22·06	21·67	21·57	f. : c.p. : f.q. : f.
28	8·3	76	− 0·8	+ 4·0	79	4·1	+ 17	+ 0·9	4·3	+ 0·7	25·5	25·2	21·85	21·41	21·14	b. : f.
29	3·7	34	− 0·8	+ 2·5	72	2·6	+ 10	− 0·6	2·7	− 0·9	25·5	25·2	21·67	21·18	20·65	c. : c.p. : f.
30	3·9	36	− 0·8	+ 2·6	73	2·7	+ 11	− 0·5	2·9	− 0·7	25·5	25·2	21·49	21·09	20·73	f. : c.p. : c.g. : ogp: c.
Mean	7·45	68·3	− 1·61	+ 3·34	64·3	3·71	+ 3·3	+0·71	3·89	+0·37	25·60	25·67	23·06	22·70	22·61	...
Average	7·45	68·3	− 1·45	+ 2·62	61·0	3·00	...	...	3·52	...	25·45	25·43	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The most noteworthy feature of the month has been the continuation of the low pressure conditions which existed in May. Pressure was in defect on 24 days and 1·6 millibars below normal in the mean for the month.

Temperature was again very constant throughout and practically normal, except at the beginning of the month when it oscillated from 1°.5 above to 1°.7 below between the 2nd and 7th.

Relative humidity was above normal on 18 days and 2·2% above in the mean for the month.

The highest dew point temperature was 21°·5 at 17h. on the 1st; and the lowest 10°·9 at 7h. on the 11th.

The highest relative humidity was 98·2 % at 17h. on the 1st; and the lowest 54·0 % at 10h. on the 16th.

Agriculturally the meteorological conditions in the vicinity of the Observatory were decidedly below normal, but for the whole colony may be considered somewhat above normal, the Eastern, South Eastern and Southern districts being from about 15 to 20 % above and the Western and Northern from 10 to 15 % below.

Rainfall at the Observatory was 36% below normal. The percentage variation of rainfall from the normal in the different districts of the Island was as follows:—

Northern Districts	River System 1,	11 % below
Eastern Districts	,, ,, 2, 3, 4.	31 % above
South-Eastern Districts	,, ,, 5 & 6	18 % above
Western Districts	River System 11	11 % above
	,, ,, 12	17 % below
	,, ,, 13	86 % below

(July 20, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is 181 feet above mean sea-level.)

JUNE 1916.

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	0060	0077	0087	0096	0105	0102	0073	0058	0062	0078	0098	0108	0099	0097	0097	0119	Midnight
1h	0059	0077	0084	0095	0103	0099	0069	0057	0059	0071	0096	0103	0099	0094	0094	0118	1h
2	0057	0075	0079	0089	0102	0091	0067	0056	0058	0069	0095	0099	0098	0090	0089	0116	2
3	0056	0069	0078	0085	0098	0090	0065	0051	0058	0066	0094	0096	0091	0088	0088	0112	3
4	0058	0068	0079	0084	0093	0090	0059	0049	0058	0067	0093	0099	0092	0087	0088	0110	4
5	0061	0068	0079	0087	0095	0090	0059	0050	0060	0069	0098	0101	0092	0087	0090	0113	5
6	0065	0070	0083	0090	0100	0090	0060	0055	0060	0075	0100	0109	0095	0089	0095	0119	8
7	0071	0078	0089	0096	0106	0093	0067	0059	0067	0080	0109	0110	0100	0094	0101	0121	7
8	0076	0080	0092	0103	0108	0096	0069	0066	0071	0087	0110	0117	0105	0100	0110	0129	8
9	0081	0086	0096	0109	0114	0097	0076	0069	0077	0091	0113	0124	0110	0104	0115	0132	9
10	0079	0088	0095	0109	0115	0091	0074	0070	0076	0091	0111	0120	0110	0103	0117	0131	10
11	0079	0086	0091	0108	0111	0088	0067	0065	0073	0086	0104	0114	0106	0101	0113	0130	11
Noon	0072	0081	0087	0100	0106	0081	0060	0059	0068	0081	0098	0104	0100	0092	0108	0126	Noon
13h	0068	0073	0080	0090	0093	0071	0050	0050	0060	0071	0090	0096	0090	0087	0100	0116	13h
14	0064	0070	0077	0087	0092	0062	0048	0049	0060	0065	0084	0091	0086	0081	0096	0118	14
15	0064	0071	0077	0086	0091	0063	0046	0045	0061	0065	0086	0088	0084	0081	0093	0118	15
16	0065	0071	0078	0088	0092	0064	0048	0048	0064	0064	0090	0087	0085	0081	0098	0122	16
17	0068	0076	0080	0090	0096	0069	0051	0051	0070	0070	0091	0087	0088	0083	0100	0122	17
18	0070	0079	0080	0090	0099	0073	0054	0057	0075	0079	0098	0090	0090	0086	0107	0127	18
19	0075	0081	0085	0099	0104	0077	0061	0060	0079	0087	0101	0095	0093	0089	0110	0129	19
20	0078	0085	0090	0103	0107	0078	0063	0065	0081	0090	0108	0098	0097	0091	0117	0135	20
21	0080	0089	0095	0107	0109	0078	0064	0066	0080	0098	0111	0100	0099	0097	0119	0135	21
22	0080	0090	0099	0107	0108	0077	0062	0068	0080	0100	0113	0100	0100	0100	0119	0137	22
23	0080	0089	0098	0106	0107	0076	0062	0064	0079	0100	0110	0100	0100	0099	0120	0134	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
Midnight	0135	0125	0127	0131	0136	0128	0121	0121	0146	0161	0171	0160	0146	0135	0112	Midnight
1h	0133	0124	0127	0129	0133	0128	0119	0120	0144	0158	0168	0158	0145	0132	0110	1h
2	0130	0120	0123	0125	0129	0122	0116	0118	0140	0156	0163	0154	0141	0128	0106	2
3	0124	0117	0122	0123	0125	0117	0111	0115	0137	0155	0158	0148	0136	0122	0103	3
4	0122	0113	0123	0122	0125	0113	0108	0116	0136	0156	0157	0148	0133	0120	0102	4
5	0121	0112	0121	0121	0125	0115	0109	0117	0139	0158	0158	0146	0133	0120	0103	5
6	0125	0116	0123	0122	0127	0118	0110	0118	0142	0162	0160	0148	0136	0121	0106	6
7	0129	0122	0129	0127	0131	0120	0113	0126	0149	0169	0168	0151	0137	0122	0111	7
8	0133	0126	0131	0131	0134	0126	0119	0130	0158	0177	0171	0158	0141	0127	0116	8
9	0138	0132	0136	0134	0135	0129	0120	0136	0163	0181	0172	0160	0148	0133	0120	9
10	0137	0133	0134	0135	0135	0129	0120	0137	0159	0178	0172	0159	0149	0134	0120	10
11	0135	0131	0131	0132	0132	0124	0115	0133	0157	0174	0169	0154	0147	0130	0116	11
Noon	0130	0123	0126	0130	0125	0117	0109	0128	0153	0170	0163	0149	0143	0127	0114	Noon
13h	0122	0116	0120	0123	0120	0108	0106	0119	0145	0162	0153	0137	0135	0117	0102	13h
14	0115	0115	0119	0121	0117	0107	0102	0117	0141	0158	0146	0129	0129	0117	0099	14
15	0115	0112	0115	0121	0116	0105	0101	0115	0139	0154	0144	0126	0125	0115	0097	15
16	0116	0113	0118	0121	0118	0107	0103	0117	0141	0156	0145	0127	0125	0111	0099	16
17	0121	0115	0120	0122	0122	0111	0107	0124	0147	0159	0147	0129	0128	0113	0102	17
18	0122	0119	0121	0124	0122	0117	0112	0129	0150	0162	0150	0132	0129	0116	0105	18
19	0124	0123	0123	0128	0126	0123	0118	0137	0156	0168	0154	0137	0134	0126	0110	19
20	0130	0129	0132	0132	0129	0125	0121	0142	0162	0173	0158	0141	0137	0122	0114	20
21	0130	0130	0132	0134	0131	0126	0122	0146	0164	0176	0162	0147	0138	0124	0116	21
22	0131	0130	0133	0135	0131	0125	0124	0148	0165	0175	0162	0149	0139	0125	0117	22
23	0130	0130	0132	0136	0131	0123	0123	0148	0163	0173	0161	0149	0139	0124	0116	23

TABLE VIII.—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.
	JUNE 1916.																														
Midnight	6	4	10	4	0	1	0	4	6	9	0	0	10	1	2	2	7	1	5	6	3	10	1	1	4	2	1	1	6	3	3·7
1h	10	7	6	7	4	2	0	1	6	7	2	2	10	5	6	1	5	2	1	3	2	6	3	1	2	4	2	2	5	4	3·9
2	10	4	7	7	0	2	0	1	7	5	0	1	10	9	0	1	4	1	5	4	0	7	3	1	2	5	2	2	6	4	3·7
3	10	5	10	7	2	1	0	7	9	7	0	0	10	10	1	3	7	0	3	5	1	1	6	1	2	4	5	0	10	2	4·3
4	10	5	10	7	2	0	0	4	9	8	3	0	10	9	2	1	8	1	3	3	5	1	4	1	1	10	3	1	10	1	4·4
5	10	5	10	7	3	1	0	3	9	7	5	3	6	9	2	1	6	0	2	5	4	1	4	1	1	9	8	1	8	8	4·6
6	10	9	10	8	4	1	1	5	9	2	8	10	4	7	2	2	7	2	2	6	2	0	1	1	3	7	8	1	7	8	4·9
7	10	6	10	7	4	1	3	7	9	1	8	9	6	5	4	3	6	7	4	7	2	3	3	1	4	7	10	5	4	7	5·4
8	10	4	10	6	6	1	2	7	9	1	8	6	7	5	2	8	6	2	3	5	2	4	4	2	6	8	7	6	4	5	5·2
9	10	9	10	5	7	1	1	8	9	9	5	10	7	3	3	3	2	6	5	8	4	5	4	0	5	8	8	5	8	0	5·6
10	10	8	10	5	5	1	3	8	6	4	2	6	6	3	5	7	3	5	5	8	4	4	5	3	6	4	8	2	10	2	5·3
11	10	8	10	4	7	4	4	6	9	4	1	7	7	5	7	4	5	7	5	6	4	6	3	3	5	5	9	4	8	3	5·7
Noon	10	8	9	5	7	3	4	10	9	6	2	7	8	4	4	9	1	9	6	10	4	6	2	4	5	5	6	6	10	1	6·0
13h	10	6	9	5	8	3	3	9	7	5	2	5	9	3	5	8	4	10	6	10	5	7	2	2	4	3	3	7	9	1	5·7
14	10	6	9	4	5	4	4	10	8	6	5	6	10	5	6	9	8	10	7	9	5	6	2	4	5	5	4	7	9	0	6·3
15	10	5	10	5	6	2	7	10	7	4	4	4	10	3	4	10	6	6	6	8	7	5	2	5	5	5	5	5	8	9	6·1
16	10	3	10	4	5	3	5	10	6	2	5	3	9	3	5	10	8	7	5	6	3	3	4	4	6	4	6	6	7	10	5·7
17	10	6	9	6	4	3	4	10	5	6	4	2	10	2	6	10	7	7	4	5	4	2	7	5	6	3	5	4	5	10	5·7
18	8	8	10	7	5	3	2	10	6	6	2	2	5	1	4	10	8	9	3	3	3	2	6	3	6	3	5	5	3	10	5·3
19	5	6	9	2	4	2	1	10	8	5	1	3	9	1	6	9	1	3	3	3	2	0	6	3	6	3	5	3	2	10	4·4
20	5	0	8	3	2	2	1	10	7	1	1	4	10	1	8	8	1	2	1	3	6	1	6	2	6	2	6	1	0	10	3·9
21	5	3	7	1	6	7	1	10	9	2	1	5	8	2	7	8	1	2	1	2	3	1	4	1	4	0	5	1	1	8	3·9
22	5	5	7	2	5	6	0	8	10	2	2	3	10	4	8	10	1	3	2	2	2	2	1	0	3	0	1	5	4	6	4·0
23	0	4	5	2	3	0	2	8	10	1	2	7	5	2	4	8	1	6	7	3	5	3	1	0	2	1	2	8	2	9	3·8

TABLE IX.—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.
	JUNE 1916.																														
	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.	miu	min.	min.	min.	min.	hrs.
6h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
7	0	5	0	4	15	15	15	0	0	0	12	0	0	13	10	8	0	0	0	5	0	14	2	15	0	10	9	0	0	0	2·4
8	0	43	0	59	55	60	60	2	7	3	5	42	22	60	48	60	0	47	47	32	60	60	45	60	40	30	13	10	55	57	18·0
9	4	60	0	60	60	60	60	58	56	18	14	20	35	60	55	60	29	48	60	52	60	60	60	60	16	23	45	33	32	60	22·0
10	31	60	0	60	60	60	60	15	60	43	60	37	42	60	59	45	60	60	60	54	60	60	60	60	53	57	30	60	45	60	25·5
11	0	15	0	42	50	60	60	0	60	60	60	45	60	60	58	45	60	60	59	50	60	60	60	60	60	60	48	60	47	55	24·6
Noon	0	10	17	59	37	59	60	0	37	59	60	50	60	60	60	37	60	37	60	30	60	60	60	60	60	54	58	60	20	0	22·4
13h	0	50	3	60	54	60	60	13	54	48	60	59	60	60	60	37	60	8	59	46	60	60	60	60	60	57	60	58	0	0	23·1
14	0	45	2	60	47	60	60	0	33	60	60	60	60	60	60	25	57	0	59	16	60	60	60	60	60	60	60	59	0	0	21·7
15	0	59	0	60	52	60	40	37	35	60	53	60	60	60	60	0	58	12	60	10	60	60	60	60	60	60	60	53	25	0	22·2
16	0	60	0	60	46	60	32	2	27	60	55	60	60	60	60	0	55	40	60	40	60	60	60	50	60	60	60	50	0	0	21·6
17	0	60	0	60	60	5	55	0	0	60	20	60	30	60	60	0	1	0	60	42	60	60	58	55	43	60	57	53	0	0	18·0
18	0	7	0	10	3	0	7	0	0	0	0	10	0	13	10	0	0	0	7	0	12	12	11	5	0	7	0	0	0	0	1·9
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 223·4 hours; the corresponding period during which the sun was above the horizon was 327·2 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

JUNE 1916.

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

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

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

(*To obtain temperatures in the Absolute Scale add* 273°)

JUNE 1916.

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

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

JUNE 1916.

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	870	930	885	915	878	922	872	942	881	946	890	925	889	917	889	917	Midnight
1h	870	930	887	909	875	938	881	929	883	941	891	922	886	921	889	916	1h
2	875	925	878	914	867	933	877	923	875	937	889	926	883	925	890	914	2
3	878	932	857	917	872	941	876	924	885	938	890	923	886	921	888	919	3
4	882	945	859	917	891	943	880	930	877	934	893	917	886	921	890	914	4
5	868	932	864	914	880	949	872	928	878	932	891	922	880	920	890	915	5
6	881	946	863	915	884	939	866	934	888	930	893	916	882	918	887	920	6
7	870	945	866	913	878	922	875	938	883	926	893	917	887	919	888	912	7
8	871	943	879	909	870	930	879	951	886	934	893	916	891	912	889	911	8
9	866	952	876	924	865	953	865	953	879	950	894	928	892	910	887	906	9
10	865	953	886	934	877	956	877	955	888	957	900	938	890	925	891	904	10
11	870	946	886	935	865	952	852	948	878	952	895	922	889	926	891	907	11
Noon	870	946	879	931	863	956	858	963	878	953	900	927	889	929	912	895	Noon
13h	870	945	900	942	867	950	856	967	887	965	896	918	887	932	919	892	13h
14	871	943	883	941	872	941	854	969	900	960	900	932	887	932	909	887	14
15	874	940	900	948	883	943	847	953	900	956	900	926	890	924	908	881	15
16	875	937	900	944	885	945	858	942	889	952	896	936	894	931	893	884	16
17	891	945	887	934	875	937	873	941	892	940	896	921	894	927	889	892	17
18	890	947	886	922	872	942	880	930	892	938	897	921	896	918	898	910	18
19	875	937	881	919	868	932	874	939	889	929	896	916	897	913	898	910	19
20	877	934	880	920	876	936	883	941	889	929	896	921	897	917	891	913	20
21	873	927	885	923	874	940	866	934	883	926	891	921	898	911	887	919	21
22	871	929	875	925	875	937	882	943	889	929	891	922	893	916	887	920	22
23	879	932	875	925	877	934	880	949	887	932	891	921	892	918	880	920	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	883	917	890	923	889	908	878	922	887	933	888	918	889	917	880	920	Midnight
1h	881	919	883	925	887	897	870	906	900	950	885	923	888	919	878	922	1h
2	882	918	889	929	876	924	878	914	874	939	881	928	883	925	882	918	2
3	878	922	889	928	885	915	842	939	884	940	889	917	883	926	882	918	3
4	881	919	891	928	886	910	862	925	889	954	884	924	886	922	876	924	4
5	879	921	892	922	891	907	854	919	884	940	886	922	888	919	871	929	5
6	885	923	891	918	882	912	875	917	886	934	885	924	881	929	881	929	6
7	882	918	892	922	880	920	877	923	892	941	889	916	884	924	877	934	7
8	882	918	893	920	881	912	886	936	883	925	886	922	871	929	863	937	8
9	885	915	887	934	888	912	891	943	883	942	876	936	883	926	867	949	9
10	883	941	914	934	868	932	892	938	900	953	870	946	877	935	849	951	10
11	900	946	892	934	872	941	874	940	882	943	879	952	883	941	859	961	11
Noon	892	937	900	941	870	946	864	954	865	984	867	949	883	942	863	957	Noon
13h	877	935	910	941	867	949	853	971	887	962	861	939	877	935	857	964	13h
14	900	941	900	950	867	933	854	946	875	959	878	952	891	943	867	950	14
15	886	936	900	947	857	943	874	962	877	955	880	948	883	941	889	952	15
16	885	937	893	950	861	959	863	956	883	943	883	942	877	935	889	956	16
17	887	933	894	936	873	927	877	956	884	939	887	933	881	928	889	953	17
18	893	917	890	930	859	928	874	940	891	922	890	924	887	913	890	954	18
19	887	919	890	923	875	925	881	947	890	923	885	923	890	910	876	949	19
20	887	919	886	925	881	919	878	952	893	916	888	919	889	911	879	936	20
21	883	917	886	922	872	928	877	955	887	920	889	917	882	918	900	931	21
22	889	927	890	921	875	917	879	952	888	918	886	922	885	923	893	940	22
23	891	922		923	866	923	900	952	887	920	887	920	884	924		932	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by 90 in order to obviate the necessity for signs, and are published to the nearest metre*).

JUNE 1916.

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	885	937	877	934	885	923	884	939	894	927	886	914	887	913	876	936	Midnight
1h	880	930	882	927	878	932	881	929	894	927	900	924	881	913	880	930	1h
2	877	934	881	929	879	921	888	918	894	929	891	922	889	911	883	925	2
3	878	922	882	927	878	922	888	919	895	925	885	924	889	911	877	934	3
4	880	930	871	929	885	923	889	928	893	932	883	941	888	912	880	930	4
5	878	933	876	936	890	925	889	926	894	929	879	931	889	905	883	925	5
6	865	935	880	930	886	936	900	924	895	924	883	941	885	907	889	929	6
7	867	950	888	930	876	924	900	934	890	925	878	932	883	917	887	928	7
8	878	953	888	931	870	930	895	923	890	924	888	930	887	913	879	933	8
9	874	940	889	956	871	944	920	925	885	938	874	939	876	936	874	952	9
10	879	952	874	962	864	954	928	949	900	945	866	952	867	950	875	962	10
11	855	945	864	954	862	957	911	941	889	954	865	953	843	957	871	961	11
Noon	862	957	868	947	883	941	921	954	882	943	875	959	854	946	877	970	Noon
13h	874	962	878	954	868	978	931	951	877	956	861	958	874	963	875	955	13h
14	863	957	872	941	862	991	920	931	880	948	876	958	864	955	875	960	14
15	860	960	882	927	872	968	910	949	874	940	879	951	875	959	878	959	15
16	865	953	869	946	865	952	900	948	882	944	884	939	876	957	882	953	16
17	875	937	888	930	856	944	900	944	882	927	879	931	870	946	885	943	17
18	882	927	877	935	886	936	900	943	886	922	878	922	885	938	882	924	18
19	878	932	881	919	879	951	900	942	892	910	887	913	866	951	884	927	19
20	885	924	877	923	885	937	900	932	889	917	878	914	881	946	886	924	20
21	886	921	881	919	881	929	894	931	878	922	881	912	891	942	895	934	21
22	884	940	885	924	878	922	893	930	886	922	890	904	873	927	893	912	22
23	879	931	885	923	875	925		934	878	933	894	903	868	947		917	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	892	918	890	924	900	937	890	925	890	915	886	922	885	924	Midnight
1h	890	923	906	930	900	931	886	921	888	919	889	926	886	924	1h
2	892	918	900	945	900	930	882	927	889	917	908	918	884	924	2
3	891	921	900	932	885	923	893	935	889	917	890	925	883	925	3
4	885	924	895	923	886	934	888	930	888	918	885	923	884	927	4
5	884	924	890	924	883	941	883	925	888	918	886	922	882	925	5
6	886	922	890	918	886	934	886	921	900	921	886	921	884	925	6
7	900	933	892	920	887	932	888	918	893	915	885	924	884	925	7
8	881	929	889	929	883	941	879	931	892	918	885	938	883	928	8
9	890	949	872	941	870	945	890	948	892	937	880	930	881	937	9
10	887	964	871	944	888	961	900	969	883	941	874	939	882	946	10
11	900	979	888	960	885	974	876	958	900	959	890	948	880	948	11
Noon	864	955	900	970	900	983	900	975	887	933	881	946	879	950	Noon
13h	900	967	900	964	883	985	887	966	883	926	900	956	881	952	13h
14	873	966	874	963	900	981	928	967	911	917	909	945	884	949	14
15	887	966	900	966	873	966	913	964	893	916	906	928	885	946	15
16	873	965	889	956	900	974	900	964	905	926	903	913	883	945	16
17	890	948	891	943	877	955	900	956	900	924	903	914	885	936	17
18	885	938	893	934	884	939	891	943	892	919	901	907	887	929	18
19	886	935	889	928	893	936	893	934	890	924	883	926	885	928	19
20	888	931	894	931	886	934	889	926	889	927	893	910	886	926	20
21	887	932	896	918	887	934	885	937	887	934	890	914	884	926	21
22	885	938	893	934	890	924	886	922	887	920	900	915	886	926	22
23	839	928	893	935	887	932	890	914	884	924	900	922		927	23

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

JUNE 1916.

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

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

TABLE XIII.—DIRECTION of the WIND at every HOUR of the DAY during the MONTH of JUNE 1916.
(*The days on which the Normal Trade Winds were interrupted are indicated by an asterisk* *).
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	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	Hour, Mauritius Standard Time.
	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	
Midt.	4	4	4	5	6	6	5	5	4	6	3	4	6	5	5	4	6	5	5	6	7	4	4	5	6	6	8	6	5	6	Midt.
1h	4	3	5	5	6	6	5	5	4	5	31†	1	8	5	5	4	5	5	5	5	7	8	3	5	6	9	8	5	5	5	1h
2	4	3	4	4	5	6	5	5	4	6	4§	3	5	5	5	4	5	5	4	5	7	6	4	5	6	8	8	5	5	10	2
3	5	2	5	4	6	6	5	5	4	6	4	3	6	5	5	4	4	5	4	5	7	5	4	5	6	8	5	7	5	6	3
4	6	2	7	5	5	6	5	5	4	6	3	3	7	5	5	4	5	4	5	6	7	6	4	5	5	7	6	6	5	5	4
5	4	2	6	4	5	6	4	5	4	6	3	2	6	5	5	4	5	5	6	6	7	5	2	5	5	6	6	5	5	5	5
6	6	2	6	4	6	6	4	5	5	6	3	3	6	5	5	5	4	5	6	8	7	6	2	6	5	6	6	5	8	5	6
7	5	2	4	5	5	6	5	4	4	6	4	4	7	5	5	5	5	6	4	8	6	5	4	6	8	6	6	5	6	5	7
8	5	2	4	6	6	6	5	4	4	6	3	6	5	5	4	4	6	6	4	8	6	6	4	6	5	6	6	5	6	6	8
9	5	4	5	5	6	7	5	2	4	7	4	7	6	5	5	5	5	7	5	7	6	5	5	6	7	5	5	7	7	5	9
10	5	6	6	6	7	8	6	2	6	6	4	7	8	5	5	4	6	6	5	10	8	5	5	6	7	5	7	8	6	5	10
11	5	6	5	4	6	7	6	3	8	10	5	5	6	6	6	5	4	5	5	11	7	5	4	6	8	7	7	6	8	7	11
Noon	5	5	5	5	6	8	6	18§	7	7	5	5	6	5	6	5	5	5	6	9	6	6	4	6	5	8	8	8	6	6	Noon
13h	5	8	5	5	7	7	6	18	5	8	5	5	7	4	5	5	6	6	6	10	6	5	6	6	8	8	7	7	5	8	13h
14	5	6	5	5	8	8	6	21	8	9	4	4	6	6	7	5	5	5	6	12	6	6	5	6	6	6	8	10	11	9	14
15	5	8	6	4	8	8	6	22	6	8	4	6	6	6	6	7	5	5	6	10	5	6	6	6	7	8	6	9	6	9	15
16	5	8	4	4	7	8	7	26	6	8	5	5	6	6	5	7	5	5	5	9	6	6	6	6	6	7	8	8	9	9	16
17	7	6	5	5	7	7	7	29	6	7	4	6	6	6	5	7	5	6	4	8	5	5	5	6	7	7	6	8	8	9	17
18	7	5	5	5	7	7	7	7§	6	7	3	5	6	6	4	7	5	5	6	8	5	4	6	5	6	7	6	7	6	9	18
19	5	4	4	5	6	7	7	7	5	6	4	6	6	5	4	7	5	4	6	8	5	4	5	5	6	6	7	7	6	5	19
20	5	4	5	6	6	7	7	5	5	6	4	6	6	5	4	5	5	4	6	8	5	3	6	5	6	7	6	6	6	5	20
21	4	5	5	4	5	7	7	5	4	5	4	6	5	5	4	5	5	4	5	8	4	3	7	6	6	7	6	6	6	5	21
22	4	4	5	6	6	6	6	5	6	5	3	6	5	5	5	8	6	5	4	7	5	2	4	6	6	7	6	5	5	8	22
23	5	4	5	6	6	6	6	4	6	6	3	8	5	5	5	7	5	5	4	7	5	2	5	6	6	7	6	5	5	8	23

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of JUNE 1916.

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	23·9	23·7	23·5	23·4	23·3	23·4	23·6	23·7	23·4	23·1	22·8	22·7	22·9	23·3	23·6	23·6	22·5	22·0	21·8	22·0	23·5	24·1	24·1	23·3
2	23·7	23·6	23·6	23·5	23·3	23·5	24·0	24·4	23·4	23·1	22·9	22·8	22·9	23·8	24·6	24·8	22·6	22·1	21·9	21·9	23·9	26·5	26·6	25·2
3	24·5	24·3	24·2	24·1	24·0	24·0	24·1	24·3	24·4	24·1	23·7	23·6	23·6	24·1	24·3	24·3	24·1	23·5	22·8	22·7	23·8	25·3	25·0	24·1
4	24·3	24·2	24·0	23·8	23·7	23·9	24·3	24·5	24·1	23·7	23·2	23·2	23·3	24·0	24·7	24·7	23·3	22·6	22·1	22·3	24·2	26·1	26·2	24·7
5	24·5	24·3	24·0	23·8	23·6	23·8	24·1	24·4	24·3	23·6	23·3	23·1	23·3	23·8	24·3	24·3	23·3	22·5	21·9	22·0	24·2	25·7	25·6	24·2
6	24·4	24·1	23·8	23·6	23·3	23·6	24·1	24·5	24·0	23·4	23·1	22·6	22·7	23·8	24·8	24·7	22·9	21·9	21·3	21·0	24·0	27·1	26·7	24·5
7	24·5	24·2	23·8	23·5	23·3	23·6	24·1	24·4	24·2	23·5	23·0	22·4	22·7	23·6	24·6	24·5	23·5	22·0	21·0	20·7	24·0	27·0	26·1	24·4
8	24·4	24·0	23·5	23·1	23·0	23·3	23·6	23·7	23·8	24·2	22·5	22·7	22·3	23·1	23·6	23·7	22·4	21·3	20·5	20·7	22·6	24·6	24·7	23·7
9	23·7	23·6	23·4	23·2	23·1	23·2	23·5	23·7	23·5	23·1	22·7	22·4	22·5	23·3	23·8	23·8	22·6	21·8	21·2	21·2	23·5	24·9	25·0	23·6
10	23·9	23·5	23·2	23·1	23·0	24·2	23·6	24·0	23·4	22·9	22·4	22·3	22·3	23·3	24·2	24·2	22·5	21·9	20·8	20·9	23·2	25·7	25·9	24·4
11	24·0	23·7	23·3	23·2	23·0	23·2	23·5	23·9	23·7	22·9	22·5	22·2	22·2	23·4	24·0	23·8	22·4	21·3	20·5	20·5	22·7	26·2	25·6	23·5
12	23·8	23·6	23·3	23·1	22·9	23·1	23·4	23·7	23·4	22·8	22·4	22·2	22·3	23·1	24·0	23·8	22·5	21·3	21·0	21·2	23·1	25·5	25·2	23·6
13	23·7	23·5	23·3	23·0	23·0	23·2	23·6	24·0	23·5	23·0	22·7	22·3	22·6	23·4	24·1	24·1	23·3	22·0	21·5	22·5	23·7	25·9	25·7	24·1
14	24·0	23·6	23·4	23·1	23·0	23·1	23·6	23·9	23·7	23·2	22·7	22·3	22·5	23·1	24·1	24·0	22·8	22·0	21·2	21·1	23·7	23·1	25·6	25·7
15	24·0	23·6	23·1	23·0	22·7	22·9	23·3	23·7	23·7	22·9	22·2	21·9	21·9	22·8	23·8	23·8	22·6	21·2	20·1	20·2	22·9	25·5	25·5	23·7
16	23·5	23·2	23·2	23·0	22·8	22·9	23·2	23·3	23·3	22·8	22·4	22·7	22·2	22·9	23·3	23·2	21·5	20·9	20·9	21·0	23·3	24·6	23·9	22·5
17	23·9	23·2	22·9	22·8	22·7	22·9	23·4	23·6	23·6	22·7	22·2	22·1	22·1	22·8	23·6	23·6	23·2	21·5	20·9	21·0	23·1	25·2	25·0	23·5
18	23·5	23·3	22·9	22·8	22·5	22·6	22·9	23·1	23·2	22·5	22·1	21·8	21·8	22·5	23·0	23·0	21·8	20·8	20·3	20·1	22·5	23·8	23·8	22·6
19	23·2	22·8	22·7	22·4	22·3	22·4	22·8	23·2	22·6	22·1	21·9	21·6	21·7	22·3	23·1	23·2	22·0	20·7	20·4	20·6	22·5	24·6	24·7	23·1
20	23·1	23·0	22·7	22·7	22·5	22·7	22·9	23·2	22·8	22·3	22·0	21·9	22·0	22·7	23·2	23·3	22·0	21·2	20·8	21·0	22·8	24·4	24·1	22·8
21	23·2	22·8	22·5	22·3	22·2	22·4	22·9	23·2	22·8	22·1	21·6	21·5	21·5	22·5	23·5	23·5	22·6	23·3	22·5	20·9	22·3	25·5	25·2	23·5
22	23·2	23·1	23·1	22·7	22·3	22·5	23·0	23·3	22·6	22·5	22·2	21·8	21·8	22·5	23·3	23·3	22·3	21·5	20·9	20·4	22·3	25·0	25·0	23·2
23	23·0	22·9	22·4	22·2	21·9	22·1	22·5	23·0	23·0	22·1	21·3	21·1	21·1	22·0	22·8	23·0	22·8	20·2	19·0	19·4	21·8	24·6	24·6	23·0
24	23·0	22·7	22·2	22·1	21·9	22·0	22·5	22·8	22·4	21·8	21·2	21·0	21·1	21·8	22·7	22·8	21·2	20·3	19·3	19·3	21·4	24·5	24·4	22·8
25	22·9	22·6	22·1	22·0	21·7	21·9	22·4	22·6	22·3	21·7	21·1	20·9	21·0	21·7	22·5	22·6	21·0	19·8	19·2	19·3	21·9	24·3	24·1	22·5
26	22·6	22·4	22·1	22·0	21·9	21·9	22·3	22·7	22·2	21·7	21·3	21·1	21·2	21·9	22·7	22·7	21·3	20·5	20·1	19·9	22·1	24·4	24·1	22·5
27	22·4	22·3	22·0	21·7	21·7	21·8	22·1	22·4	22·5	21·6	21·2	21·0	21·0	21·6	22·2	22·4	23·0	20·1	19·7	19·7	20·9	23·5	23·6	22·1
28	22·4	22·1	22·0	21·7	21·5	21·5	21·8	22·1	22·3	21·4	21·1	20·7	20·6	21·2	21·8	22·0	23·0	20·0	19·4	19·1	21·1	22·9	23·1	21·8
29	22·1	21·9	21·7	21·6	21·3	21·5	21·6	21·9	21·7	21·2	20·8	20·6	20·6	21·3	21·6	21·7	20·7	20·0	19·2	19·0	20·8	22·3	22·3	20·9
30	21·8	21·6	21·4	21·2	21·0	21·5	21·7	21·9	21·8	20·8	20·5	20·2	20·2	21·4	21·7	21·9	20·6	19·3	18·8	19·0	20·7	22·9	22·7	21·9
Mean	23·50	23·25	22·98	22·79	22·61	22·82	23·15	23·44	23·19	22·63	22·17	21·96	22·00	22·77	23·45	23·48	22·41	21·30	20·70	20·69	22·75	24·86	24·80	23·38

§ Direct. † Retrograde.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of JUNE 1916.

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 Séjour.	Botanic Gardens.	Nouvelle Découverte.	Riche Fund.	Constance d'Arifat.	St. Julien. **	Sans Souci.	Etoile.	Beau Champ.	Rose Belle.	Riche-en-Eau.	Ferney.	Beau Vallon.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
June 1st		13·0	1·6	3·0	0·8	4·3	10·2	3·3	19·6	60·9	17·8	6·4	15·8	6·1	9·4	44·0
2		17·4	17·8	21·3	9·4	31·2	27·9	30·4	29·0	...	26·7	43·2	120·6	100·3	167·6	11·1
3		27·1	13·5	13·0	6·3	6·1	...	17·8	26·9	50·7	49·5	...	46·2	19·0	34·0	2·1
4		4·0	...	...	0·3	18·5	...	2·0	2·0	74·2	3·8	30·7	30·6	3·0	2·0	1·3
5		...	...	3·0	0·3	2·3	24·4	1·3	6·1	...	21·6	...	11·4	...	6·6	...
6		...	...	0·8	0·3	2·1	1·5	...	1·5	...	3·8	...	6·6	...	...	...
7		...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...
8		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9		...	...	0·2	1·5	...	...	...	...	...	...	...	...	...	...	...
10		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11		...	...	...	...	...	...	...	3·0	14·7	...	...	...	...	...	2·1
12		...	...	0·8	2·5	2·8	4·3	3·6	6·1	23·6	8·9	12·7	4·6	6·2	4·8	6·0
13		14·3	13·5	14·7	16·0	28·9	12·7	17·8	19·8	...	20·3	7·1	32·6	12·2	21·3	...
14		2·0	...	0·3	1·3	1·5	...	1·5	2·3	...	...	...	1·5	...	...	...
15		...	...	...	...	...	...	...	...	...	...	12·4	...	...	...	...
16		...	...	...	...	...	...	...	...	55·9	...	...	3·6	...	...	4·0
17		8·1	7·0	11·2	6·6	30·7	27·2	12·7	32·7	17·8	26·7	...	16·8	...	30·4	...
18		2·8	0·1	1·3	0·5	8·4	...	4·6	5·1	30·5	22·9	...	8·6	11·3	13·0	6·0
19		4·0	0·1	2·0	1·3	2·3	10·2	4·0	5·3	15·0	22·9	6·3	21·8	19·0	22·4	5·1
20		1·2	...	3·6	3·8	4·1	6·6	4·3	6·1	7·2	11·3	3·0	15·4	17·9	14·5	5·2
21		3·1	3·0	...	3·3	4·8	5·3	5·6	7·1	...	...	...	10·9	...	6·7	...
22		4·1	5·7	12·2	0·3	5·3	5·6	3·3	10·2	10·2	2·5	...	3·0	...	...	1·1
23		...	...	0·5	...	0·3	...	...	3·5	3·8	...	...	...	...	1·3	...
24		...	...	...	0·3	0·5	1·5	2·3	1·3	...	...	...	0·8	2·0	...	...
25		...	...	...	...	0·3	...	...	...	3·0	...	...	1·0	0·5	...	...
26		...	...	1·5	0·5	...	...	...	0·5	3·6	1·3	5·2	1·3	...	...	...
27		...	1·0	1·3	1·5		1·5	...	0·8	...	1·3	1·5	3·0	1·0	5·1	...
28		3·1	...	...	1·5	...	...	...	...	...	...	...	1·5	...	...	...
29		0·5	...	...	0·2	...	...	...	...	...	...	...	...	...	...	0·6
30		...	3·0	4·8	5·8	0·8	3·6	0·8	1·3	12·7	...	...	4·8	4·2	...	...
Total ...	...	104·7	66·3	95·5	64·3	155·7	142·5	115·3	190·2	383·8	241·3	128·5	362·4	202·7	339·1	88·6

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH JUNE of 1916.

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.	Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
June 1d	3·0	11·4	17·8	3·3	4·0	26·7	26·4		...	2·8	27·9	...	1·5	42·2	Observations discontinued temporarily.	0·5
2	34·0	102·9	61·0	73·4	75·0	5·1	...		...	10·9	80·8	...	7·7	23·9		1·8
3	6·0	31·7	55·9	15·2	17·0	2·5	49·5		4·6	9·7	36·8	29·2	...	24·9		1·8
4	3·0	6·3	20·3	6·9	5·0	3·0	55·9		...	17·3	43·7	7·6	...	10·7		1·3
5	2·0	38·6	25·4	...	6·0	4·1	6·3		...	1·0	37·3	...	12·6	0·5		...
6	2·0	12·2	7·6	5·1	11·0	...	...		...	...	4·8	...	0·7	...		...
7	...	...	...	...	...	...	...		...	...	...	...	0·1	...		...
8	...	...	...	...	...	...	...		...	...	0·8	...	0·2	..		..
9	...	...	...	...	...	...	...		...	...	...	...	0·1	...		...
10	...	...	...	...	...	...	...		...	...	...	...	0·1	...		...
11	...	...	...	...	...	2·8	...		...	...	...	...	...	8·4		...
12	2·0	20·3	22·4	8·6	17·0	17·8	16·3		...	3·3	18·8	...	3·0	17·8		0·5
13	16·0	20·1	35·6	14·7	19·0	...	9·9		1·3	5·3	37·6	...	1·1	2·0		...
14	...	...	2·0	...	1·0	...	...		...	...	2·5	...	1·6	...		...
15	...	1·3	...	...	...	...	...		...	0·5	0·8	7·6	0·5	0·5		...
16	...	...	3·8	...	...	15·2	11·2		...	...	6·3	...	0·9	20·6		...
17	3·0	16·5	21·6	11·9	15·0	1·5	26·8		...	0·5	25·9	7·7	4·7	14·7		1·0
18	...	1·3	5·1	...	2·0	1·3	2·3		...	2·8	7·9	...	0·7	9·1		...
19	4·0	15·5	19·0	10·2	5·0	6·1	5·3		...	4·6	24·4	5·1	4·1	7·6		1·0
20	4·0	8·6	22·9	6·2	8·0	...	1·8		3·8	4·3	25·9	1·5	1·7	8·9		...
21	10·0	11·7	8.1	19·0	13·0	...	2·0		...	...	11·4	...	6·4	5·3		4·6
22	3·0	2·5	5·1	...	3·0	...	...		...	...	5·1	...	...	1·8		...
23	...	...	4·6	1·8	...	...	8·6		...	2·8	7·6	...	...	3·3		...
24	3·0	...	3·8	...	1·0	...	...		...	...	3·0	...	1·6	1·3		...
25	...	...	1·0	...	...	...	...		...	0·5	3·8	...	...	2·0		...
26	...	2·0	2·5	...	2·5	...	...		...	...	1·3	...	2·0	1·3		...
27	1·0	8·9	3·0	...	1·5	...	5·1		...	4·1	7·2	...	1·5	0·8		...
28	...	...	2·5	...	...	...	...		...	...	5·3	...	0·6	...		0·5
29	...	0·9	0·8	...	...	4·6	...		...	...	1·3	...	1·0	4·8		...
30	2·0	3·0	5·1	10·4	15·0	...	3·0		...	...	6·1	...	0·7	7·1		...
Total ...	98·0	315·7	356·9	186·7	221·0	90·7	230·4	...	9·7	70·4	434·3	58·7	55·1	219·5	...	13·0

* Mill

§ Record not received.

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

JUNE 1916.

Royal Alfred Observatory, Pamplemousses.

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

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

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of JUNE, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	1	Mare Sèche	20	2·85	72·4	58·4	12
	2	Union *	200	3·00	76·2	...	18
	3	St. Antoine	50	4·12	104·6	67·5	14
	4	Belmont...	50	3·15	87·6	89·2	10
	5	Poudre d'Or	20	3·30	83·7	79·5	10
	6	Poudre d'Or Hospital ...	10	1·54	39·1	102·6	7
	7	Mon Loisir (R) ...	300	3·14	79·8	93·2	13
	8	Mon Loisir S.E. ...	300	4·39	111·5	130·3	11
	9	Forbach	300	2·91	74·0	100·1	12
	10	Labourdonnais	290	2·55	64·7	83·6	10
	11	Beau Séjour	300	3·76	95·5	115·3	18
	12	Mont Piton	860	3·54	89·9	159·8	17
	13	Mon Choix	700	3·41	86·6	160·5	12
	14	Antoinette	640	4·98	126·5	115·8	19
	15	California	850	4·45	113·0	117·9	7
	16	Nouvelle Découverte ...	1,400	6·13	155·7	156·5	20
	17	Mon Songe	620	5·65	143·5	125·5	16
	18	La Grande Rosalie ...	643	4·19	106·4	109·5	12
	19	The Mount	325	3·52	89·4	98·8	8
	20	Botanic Gardens ...	325	2·53	64·3	82·3	22
	21	Beau Plan	195	2·07	52·6	69·1	9
	23	The Observatory ...	179	1·80	45·6	65·5	18
	23	Solitude...	175	1·60	40·6	51·6	6
	24	St. André	90	2·15	54·6	42·7	5
	25	Belle Vue Harel ...	350	2·95	74·9	116·6	12
	26	Mont Choisy	10	3·27	83·1	62·7	12
	27	Belle Vue Pilot * ...	...	4·47	113·5	...	14
	28	Rosalie *	...	3·44	87·4	...	12
	29	Constance *	...	3·91	99·3	...	14
	30	Belle Vue Maurel * ...	...	6·07	154·2	..	16
	31	Esperance (Trébuchet) *	...	3·05	77·5	...	9
	32	Schœnfeld *	...	2·20	55·9	...	8
	33	Industrie *	...	3·60	91·4	...	17
	34	St. François Estate * ...	...	...	...	...	...
	35	Réunion Estate * ...	...	2·68	68·1	...	10
	36	Souvenir *	..	2·27	57·7	...	10
	37	Mon Rocher *	...	2·28	57·9	...	9
	38	Bon Espoir	...	...	..	...	...
	39	Ile d'Ambre *	...	3·89	98·8	...	18
	40	La Salette *	...	3·17	80·5	...	10
	41	Leclézio Mapou *§ ...	...	3·75	95·2	...	11
2 & 3	1	Union Régnard ...	600	7·07	179·6	131·8	18
	2	La Grande Retraite ...	350	6·33	160·8	133·9	13
	3	Constance d'Arifat L.G.	100	4·54	115·3	122·9	16
	4	St. Julien Church ...	1,050	7·49	190·2	188·7	21
	5	Rich Fund *	600	5·61	142·5	...	14
	6	Constance (Manès) ...	...	8·27	210·0	...	11
	7	Queen Victoria * ...	...	6·75	171·4	...	15
	8	Belle Mare *	...	4·76	120·9	...	9
	9	Beau Bois (Flacq) * ...	...	5·53	140·6	...	14
	10	Bel Etang (Lesur)* ...	...	10·05	255·3	...	20
	11	Bon Espoir §	...	...	...	...	...
	12	Belle Vue (Allendy) *...	...	5·66	143·8	...	19
4	1	Sans Souci	900	15·11	383·8	270·5	15
	2	Etoile	400	9·50	241·3	199·1	15
	3	Beau Champ	20	5·06	128·5	110·5	10
	4	Belle Rive *	400	13·93	353·8	...	16
	5	Olivia *	400	11·76	298·7	...	16
	6	Deep River *	350	8·29	210·6	...	15
	7	Unité *	...	12·98	329·7	...	16
	8	Belle Rose Estate * ...	...	7·21	183·1	...	11
	9	La Lucie Estate * ...	...	6·61	167·9	...	14
	10	La Lucie (Residence)*...	...	5·86	148·8	...	14
	11	Melrose *	...	10·54	267·7	...	13
	12	Bonne Veine *... ...	...	10·40	264·2	...	16
5	1	Rose Belle *	850	14·27	362·4	...	22
	2	Cent Gaulettes	500	14·48	367·8	232·4	18
	3	St. Hubert *	400	16·07	408·2	...	13
	4	Riche-en-Eau	460	7·98	202·7	176·8	13
	5	Ferney	20	13·35	339·1	173·5	14
	6	Beau Vallon	60	3·49	88·6	109·7	12
	7	Union Vale	200	6·58	167·1	148·1	12
	8	Mon Désert (Carié) * ...	75	5·14	130·6	...	17
	9	Riche Bois	1,420	9·91	251·7	223·0	15
	10	Cluny *	1,000	15·00	381·0	...	16
	11	Virginia Estate * ...	...	3·80	96·5	...	13
	12	Eau Bleue *	...	13·11	333·0	...	21
	13	Union Park *	...	15·88	403·3	...	24
	14	Plaisance Estate * ...	...	4·96	126·0	...	11
	15	Sauveterre Estate * ...	...	5·51	140·0	...	12
	16	Deux Bras Estate * ...	...	12·85	326·4	...	14
6	1	Kanaka	2,000	18·07	459·0	359·7	19
	2	Tivoli	1,300	14·64	371·9	282·4	19
	3	La Flora *	1,050	14·05	356·9	...	9
	4	Britannia (No. 1) ...	730	12·43	315·7	230·9	19
	4a	Britannia (No. 2)* ...	600	8·69	220·7	...	19
	5	Gros Bois	500	9·07	230·4	184·7	22
	6	Savannah (Residence) ...	200	6·22	158·0	237·7	15
	7	Savannah (Mill) ...	200	5·88	149·3	174·7	14
	8	St. Aubin	300	3·86	98·0	136·4	16
	9	Union B.A.St.FélixS.E.§	90	...	...	...	...
	10	Beau Bois	350	8·70	221·0	216·9	19
	11	Labarracq (Mill)* ...	250	7·35	186·7	...	13
	12	St. Avold *	900	17·12	434·8	...	18
	13	Terracine *	100	3·70	94·1	...	12
	14	Labarracq (Mill) * ...	250	7·35	186·7	...	13
	15	St. Felix Sugar Estate *.	...	4·98	126·5	...	17
	16	Bel Air *	...	3·93	99·8	...	10
	17	Chamouny *	...	11·12	282·4	...	15
	18	Union S.E. *	...	3·43	87·0	...	13
	19	Fontenelle *	...	5·87	149·0	...	9
	20	Combo §	...	...	...	...	...
	21	St. Felix (Wilson) * ...	...	6·15	156·2	...	14
	22	Joli Bois Estate * ...	...	15·76	400·3	...	16
7 8 & 9	1	Bel Ombre *	50	3·57	90·7	...	12
	2	Chamarel	400	9·07	230·4	154·9	15
	3	Beau Champ *	...	2·78	70·6	...	11
	4	Board *	...	5·06	128·5	...	8
	5	Ste. Marie *	...	3·33	84·6	...	10
	6	Médine Estate * ...	...	0·32	8·1	...	6
	7	Albion Estate * ...	...	0·80	20·3	...	3
	8	Anna Estate §	...	...	...	...	...
	9	Pierre Fond Estate * ...	...	0·50	12·7	...	1
10		No returns.					
11	1	Les Gorges	...	1·88	47·8	78·0	7
	2	Curepipe Gardens ...	1,840	9·64	244·9	200·1	22
	3	Mare aux Vacoas ...	1,850	17·10	434·3	283·5	26
	4	La Marie Filter Bed ...	1,700	6·57	166·9	166·6	21
	5	Réunion...	1,420	2·77	70·4	135·6	15
	6	Tamarin *	150	0·38	9·7	...	3
	7	Clarens§	150	...	...	...	...
	8	Les Salines (B.R.)* ...	...	0·87	22·1	...	8
	9	Terrain Bonnefin † ...	...	12·10	307·3	...	27
	10	Chebel Estate *	...	...	...	...	...
12	1	The Manse	850	1·42	36·1	62·0	20
	2	The Bower	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	2·17	55·1	81·0	24
	4	Alma	1,460	8·64	219·5	211·1	23
	5	Minissy *	1,150	3·22	81·8	...	12
	6	Bagatelle	1,250	5·14	130·6	156·7	24
	7	Highlands	1,300	6·46	164·1	168·4	18
	8	Trianon	950	2·44	62·0	76·2	12
	9	Salency	923	2·31	58·7	73·2	6
	10	Military Camp § ...	1,370	...	...	...	...
	11	La Ferme *	350	0·51	13·0	...	9
	12	Bon Air...	1,050	1·80	45·7	82·5	10
	13	Val Ory...	1,100	2·36	59·9	90·4	23
	14	Pieter Both Estate * ...	...	4·91	124·7	...	9
	15	Roslyn Cottage Estate §	...	...	...	...	...
	16	Agrément Estate § ...	...	...	...	...	...
	17	Circonstance Estate * ...	...	5·67	144·0	...	8
	18	Le Réduit Grounds * ...	...	2·06	52·3	...	15
	19	Stanley *	...	1·30	33·0	...	7
	20	Ebène *	...	1·59	40·4	...	8
	21	Mon Rêve *	...	1·98	50·3	...	8
	22	Béga *	...	1·28	32·5	...	7
	23	Bassin *...	...	0·88	22·4	...	9
	24	Hermitage *	...	7·75	196·8	...	20
	25	Côte d'Or *	...	3·20	81·3	...	15
	26	Mon Repos §	...	0·40	10·2	...	3
13	1	Salines (R.B.) § ...	10	...	...	...	...
	2	The Albion Dock ...	18	0·24	6·1	42·4	3
	3	Line Barracks§... ...	10	...	...	...	...

* Normals not available § Record not received 4 a Bon Accueil ‡ Casela † A station at Mare aux Vacoas Reservoir.

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

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

JULY, 1916.

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

DIRECTOR.

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of JULY 1916.

Month and Day. 1916.	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. Date, 1916.	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	″	
July 1	9.46·6	·23186	·30671	6·6	87	13	July 22	1450	1.47·6	1.49·6	1.52·6						
2	47·4	191	667	4·4	57	18	27	1451	16. 7·6	16.18·0	16.22·4			16.13·6			
3	47·2	191	667	4·2	32	16											
4	47·1	199	667	5·6	53	10											
5	47·0	195	665	3·8	54	17											
6	47·3	192	665	6·0	49	11											
7	47·4	198	665	3·8	39	12											
8	47·4	199	664	4·4	71	18											
9	47·1	161	669	6·8	66	11											
10	47·1	183	667	4·4	46	12											
11	46·9	192	667	6·6	28	15											
12	47·3	190	668	5·6	38	14											
13	47·1	194	666	4·4	19	18											
14	47·5	198	666	4·0	40	15											
15	47·5	201	665	5·6	20	22											
16	47·3	213	666	3·6	38	16											
17	47·0	209	667	4·0	46	14											
18	47·3	201	669	5·2	23	16											
19	47·3	210	668	4·4	40	16											
20	47·1	201	668	7·4	33	26											
21	47·4	209	669	6·0	27	19											
22	47·5	209	667	5·6	21	17											
23	47·4	210	667	6·2	59	21											
24	47·0	199	669	6·2	15	20											
25	47·2	202	669	6·0	25	22											
26	47·0	203	668	8·6	29	34											
27	47·5	203	664	8·4	27	35											
28	47·4	211	665	4·2	39	19											
29	47·1	206	667	5·4	48	18											
30	47·3	213	664	7·2	42	23											
31	47·5	217	665	5·2	27	18											
Mean	9.47·23	·23200	·30667	54·8	40·6	17·6	...	...	...	...	...	...	...	...	...	...	...

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of JULY 1916.

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.	Dip (South). Day and Hour.	Dip (South). Observed Value.
d h m	° ′	d h m		d h m	° ′	d h m	° ′
July 5. 8.28	9·45·7	July 5. 9.17	·23219	July 13. 8.49	52.53·7	July 24.11.22	52.54.7
13.53	9.46·0	13. 4	·23202	14. 5	52.52·8	13.56	52.52.9
13. 8.21	9.47·1	13. 9.30	·23210	19.11.35	52.52·8	26. 9.46	52.53.5
13.46	9.48·7	13. 0	·23204	13.47	52.52·1	13.42	52.50.9
19. 8·37	9.45·2	19. 9.36	·23261	21. 9.35	52·53·3	28. 9.45	52.51.7
13.29	9.47·5	12.42	·23202	13.55	52·53·0	13.57	52.52.0
27. 7.53	9.46·5	27. 9.21	·23225				
13·37	9.47·1	13. 0	·23203				

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

JULY 1916.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	47·3	47·7	47·1	47·5	48·1	47·9	47·7	46·5	50·5	47·7	47·7	47·5	47·5	47·5	47·5	47·5	Midnight
1h	47·7	47·5	46·9	47·3	47·7	46·5	47·5	47·5	48·1	47·7	49·5	47·5	47·7	47·7	47·5	47·5	1h
2	47·5	47·7	46·9	47·5	47·5	47·5	45·7	46·9	47·5	47·5	47·3	47·5	47·5	47·5	47·5	47·5	2
3	47·7	47·7	46·9	46·1	46·5	47·5	47·5	47·1	47·5	47·5	47·5	45·7	47·5	47·5	47·5	47·7	3
4	46·3	47·7	47·1	46·1	47·3	47·1	47·5	46·9	47·7	47·5	47·5	45·9	47·3	47·5	47·5	47·7	4
5	45·9	47·7	47·1	45·9	46·1	46·9	47·3	47·3	47·1	47·5	47·3	47·5	47·3	47·5	47·5	47·7	5
6	46·1	47·7	45·9	43·7	46·9	47·3	47·5	47·5	47·5	47·5	45·3	47·1	47·5	47·5	47·5	47·7	6
7	45·3	46·9	45·5	45·1	45·7	45·9	46·7	47·1	46·9	47·1	42·9	46·1	45·9	46·5	45·9	46·1	7
8	45·1	46·1	45·5	44·9	45·5	43·5	46·3	47·5	46·7	47·5	43·9	45·9	45·7	45·5	45·5	45·5	8
9	45·7	47·5	47·3	46·3	46·3	46·1	47·3	48·5	45·5	47·7	45·9	48·3	47·5	46·3	47·1	46·3	9
10	45·7	48·9	47·9	47·5	47·3	47·7	47·7	49·5	43·7	47·7	47·7	49·5	47·9	47·7	49·3	47·5	10
11	47·1	50·1	49·7	47·7	47·5	47·9	48·5	48·9	45·1	47·5	47·9	49·7	47·5	49·5	49·7	47·9	11
Noon	46·7	49·7	*48·7	47·7	47·5	47·7	49·3	47·5	45·7	47·1	47·7	49·9	47·5	49·5	50·5	47·7	Noon
13h	43·5	49·5	*47·7	47·1	46·5	47·9	49·1	45·7	47·5	44·9	48·1	48·9	47·7	49·5	49·5	47·9	13h
14	43·5	49·5	*46·7	46·9	45·7	47·5	47·5	45·3	45·5	43·9	46·1	47·7	48·1	49·1	47·7	47·5	14
15	42·5	47·7	45·7	45·9	45·5	47·1	45·7	45·1	46·3	45·5	45·3	45·5	44·9	46·7	45·1	45·9	15
16	45·7	45·7	45·5	46·1	45·5	46·9	45·5	45·3	45·3	45·5	45·1	44·3	43·7	45·7	44·9	45·7	16
17	46·7	46·3	46·9	47·5	46·7	47·5	46·9	46·7	47·1	46·3	46·1	45·5	45·5	45·7	46·1	45·9	17
18	47·7	47·7	47·7	47·9	47·5	48·1	47·7	47·7	47·7	47·5	47·3	46·7	47·5	47·5	47·5	47·7	18
19	48·9	47·7	47·9	49·3	47·7	47·7	47·9	47·9	49·1	47·7	47·7	47·5	47·7	47·7	47·7	48·7	19
20	49·1	47·7	47·9	49·1	47·9	47·9	47·9	47·9	48·9	47·9	47·7	47·5	47·7	47·7	47·5	49·1	20
21	49·1	47·7	47·7	49·1	49·3	49·5	47·7	47·7	48·1	48·1	47·7	47·7	47·7	47·7	47·5	47·9	21
22	48·1	47·5	47·7	48·9	48·1	48·1	47·7	48·5	48·3	48·3	47·5	47·5	47·7	47·5	47·5	47·7	22
23	48·3	47·3	47·5	48·5	48·3	47·9	47·7	49·3	47·9	47·7	47·7	47·5	47·5	47·5	47·5	47·3	23

* Inferred.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	47·3	47·7	47·5	47·5	47·5	47·5	47·5	47·7	47·5	47·5	47·5	47·5	47·9	47·7	48·1	47·6	Midnight
1h	47·5	47·3	47·5	47·5	47·5	47·5	47·5	47·7	47·5	47·5	47·7	47·5	48·1	47·7	47·9	47·6	1h
2	47·5	48·5	45·5	47·3	47·5	47·5	47·3	47·5	47·5	47·5	47·7	47·5	48·1	47·7	48·1	47·4	2
3	47·5	47·7	47·5	47·3	47·5	47·5	47·5	47·5	47·7	47·7	47·9	47·5	47·9	47·7	47·9	47·4	3
4	47·5	47·5	47·5	45·9	47·5	47·3	47·7	47·5	47·7	47·5	47·9	47·5	47·7	47·7	47·5	47·3	4
5	47·1	45·9	47·5	45·7	47·5	47·5	47·5	47·5	47·1	45·9	47·7	47·5	47·7	47·7	47·5	47·1	5
6	46·9	45·7	47·1	47·1	47·5	47·5	47·5	47·5	47·3	46·3	47·5	47·3	47·5	47·5	46·9	47·0	6
7	45·5	44·1	45·7	45·5	46·7	46·5	47·1	45·5	46·1	45·5	45·7	45·7	45·5	45·5	46·1	45·9	7
8	45·1	43·7	45·3	45·9	47·5	46·7	47·9	45·5	45·7	45·5	46·1	45·7	44·3	45·5	46·1	45·7	8
9	45·5	45·5	45·5	47·5	49·5	48·7	49·3	47·7	47·5	47·3	49·5	46·7	46·1	47·3	47·7	47·1	9
10	46·3	47·5	47·1	49·5	51·1	49·7	49·5	48·5	48·7	49·9	51·7	48·3	48·3	49·7	49·1	48·3	10
11	47·5	48·7	48·7	49·9	50·3	49·7	49·5	49·5	49·7	51·5	52·3	49·7	49·3	50·7	49·5	49·0	11
Noon	47·7	48·9	49·3	50·9	47·7	49·5	49·5	49·5	49·7	51·1	50·3	49·7	49·3	49·7	49·3	48·8	Noon
13h	45·5	48·9	47·7	48·5	45·9	48·9	47·7	46·1	47·7	47·7	47·5	49·1	46·7	47·9	47·7	47·6	13h
14	45·5	47·7	47·1	46·7	45·5	46·7	45·5	45·3	44·9	45·5	45·7	47·7	44·9	45·5	45·7	46·4	14
15	45·3	47·1	45·3	43·5	44·7	44·7	43·3	43·5	43·7	42·9	43·9	45·5	43·9	43·5	44·3	45·0	15
16	45·7	46·1	45·1	43·5	45·1	44·1	43·7	43·3	44·7	43·1	44·1	45·5	45·1	43·9	45·3	45·0	16
17	47·5	47·3	46·9	45·7	46·1	45·5	46·9	45·3	45·7	45·1	45·3	45·7	46·7	45·5	46·7	46·3	17
18	49·1	47·5	48·1	47·5	47·3	47·5	47·5	46·7	47·3	46·1	47·1	46·9	47·3	47·3	47·9	47·5	18
19	48·9	48·5	48·5	47·7	47·7	47·7	47·3	47·5	47·3	47·1	47·7	47·5	47·5	47·7	48·3	47·9	19
20	48·7	48·7	48·7	47·7	47·7	47·7	48·1	47·5	47·7	47·5	47·7	47·7	47·7	47·7	48·3	48·0	20
21	48·1	48·9	48·3	47·9	47·7	47·9	47·7	47·7	47·7	47·5	47·5	47·7	47·7	48·1	47·9	48·0	21
22	47·9	47·9	47·9	47·7	47·7	47·9	47·7	47·7	47·7	47·5	47·5	47·5	47·7	47·7	47·7	47·8	22
23	47·7	47·9	49·5	47·5	47·5	47·5	47·7	47·7	47·7	47·5	47·5	47·7	47·7	47·9	47·5	47·8	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

JULY 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	188	159	189	189	181	176	176	196	148	159	177	187	190	193	195	196	Midnight
1h	188	168	187	186	186	193	177	187	129	162	195	187	186	191	196	205	1h
2	193	170	187	187	192	191	212	191	138	168	191	186	190	191	195	205	2
3	196	177	189	195	194	195	188	191	142	173	188	192	193	195	196	206	3
4	227	180	190	196	191	196	186	195	141	169	187	195	201	196	196	207	4
5	235	193	196	204	197	200	188	196	157	177	189	193	195	196	198	207	5
6	225	189	196	214	197	204	193	197	159	182	194	192	195	195	201	208	6
7	226	196	203	214	207	213	200	204	167	186	196	196	203	201	207	220	7
8	220	213	209	216	202	218	205	205	177	196	199	196	205	204	215	225	8
9	218	216	209	224	219	224	207	205	192	195	196	209	201	212	220	228	9
10	211	209	206	224	228	223	213	213	195	199	203	212	195	213	215	224	10
11	197	204	204	224	224	216	215	205	181	205	205	214	187	215	214	232	11
Noon	177	211	197	222	218	193	215	205	177	205	195	211	188	218	205	234	Noon
13h	193	207	191	212	205	182	211	215	176	181	196	185	195	213	204	234	13h
14	150	195	184	205	203	177	207	218	157	177	196	184	195	213	199	234	14
15	148	187	177	205	195	182	196	217	160	187	196	177	197	205	195	225	15
16	150	178	179	187	195	176	195	217	159	183	196	176	194	193	196	212	16
17	164	185	185	187	186	175	196	206	168	179	187	184	195	178	196	206	17
18	166	189	187	191	182	186	196	207	176	178	186	183	195	185	196	203	18
19	160	187	183	190	177	177	196	204	144	182	178	176	193	189	196	196	19
20	163	190	187	186	174	177	194	205	148	180	177	180	192	190	196	196	20
21	168	195	187	176	177	188	194	205	157	181	187	183	192	189	196	198	21
22	155	189	187	171	182	177	188	180	157	186	190	182	194	189	195	196	22
23	160	187	184	176	177	180	186	147	158	184	187	188	193	193	195	198	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	206	197	196	197	198	201	213	196	197	198	202	207	196	198	201	190·4	Midnight
1h	206	206	195	195	207	204	216	196	197	199	201	207	197	199	214	192·3	1h
2	209	199	219	197	206	206	210	192	198	200	199	207	198	202	213	194·9	2
3	210	198	206	203	206	207	205	200	198	204	201	207	199	206	210	195·8	3
4	209	202	205	214	206	207	200	202	197	200	199	208	201	207	214	197·5	4
5	215	204	210	216	207	212	211	206	206	213	200	211	205	214	215	202·1	5
6	219	208	215	216	208	214	215	205	206	211	202	215	206	216	225	203·9	6
7	221	207	221	214	215	218	217	213	215	213	212	218	216	225	227	209·4	7
8	221	206	230	219	218	222	217	210	215	214	216	224	223	235	228	213·0	8
9	224	206	234	218	222	217	226	203	207	217	217	234	220	240	227	215·7	9
10	221	210	235	202	216	215	230	205	205	212	214	235	222	237	225	215·1	10
11	224	206	225	192	206	212	233	194	203	206	206	235	231	233	225	212·0	11
Noon	225	197	217	186	206	206	231	186	197	197	206	225	231	221	225	207·3	Noon
13h	225	206	216	187	216	201	229	202	205	205	203	220	229	215	217	205·7	13h
14	225	206	217	191	218	206	225	198	216	218	190	216	228	216	219	202·7	14
15	213	201	216	199	218	210	212	203	216	212	195	211	217	208	215	199·8	15
16	196	187	207	198	216	208	206	195	207	201	196	197	203	205	209	194·1	16
17	196	197	198	194	197	206	206	193	196	190	195	196	189	206	213	191·9	17
18	188	197	197	197	195	207	199	195	197	191	197	199	183	207	215	192·6	18
19	179	197	197	200	204	208	174	191	191	189	202	203	186	206	215	189·4	19
20	195	197	197	201	206	208	183	196	192	189	203	202	187	203	212	190·5	20
21	197	197	197	199	206	209	194	196	196	194	205	200	190	201	212	192·5	21
22	196	195	197	197	206	209	196	196	197	196	206	197	194	202	213	190·8	22
23	196	193	197	198	201	207	196	196	199	197	206	196	197	203	215	190·0	23

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

JULY 1916.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	672	674	669	670	669	669	669	666	675	670	669	668	669	668	668	670	Midnight
1h	672	672	669	669	667	665	668	668	671	670	671	669	668	668	667	668	1h
2	671	672	668	669	667	667	666	668	674	670	668	669	668	668	667	668	2
3	670	671	668	668	666	666	667	668	672	669	669	668	668	668	666	668	3
4	668	671	668	667	667	665	668	667	673	671	669	669	667	668	666	667	4
5	672	670	668	667	666	664	666	667	671	671	670	670	667	668	667	667	5
6	667	671	667	665	666	664	666	666	670	670	668	669	669	669	667	668	6
7	667	669	666	665	664	663	665	665	669	669	667	668	668	667	666	667	7
8	666	669	667	665	664	662	664	666	667	669	668	668	668	666	666	665	8
9	669	671	670	670	666	666	666	668	667	669	671	670	670	669	669	668	9
10	670	674	673	670	667	667	667	666	664	669	669	671	670	669	672	670	10
11	672	671	671	668	667	666	668	663	667	666	663	671	667	668	672	671	11
Noon	670	665	665	666	666	664	667	658	668	663	663	672	663	666	669	666	Noon
13h	664	666	660	663	665	662	660	653	666	659	661	669	659	664	662	662	13h
14	664	666	659	662	660	661	657	653	666	660	657	662	656	662	654	655	14
15	670	659	657	661	654	659	657	657	668	661	656	658	652	655	650	655	15
16	673	656	658	662	656	658	659	660	666	661	658	658	653	654	652	655	16
17	673	661	663	665	661	662	664	663	669	666	666	663	661	659	660	660	17
18	675	666	667	667	665	665	666	665	670	669	669	668	667	667	666	666	18
19	675	669	669	667	667	666	666	665	672	669	670	670	669	668	668	668	19
20	677	670	669	668	668	667	666	665	671	669	669	670	669	668	669	669	20
21	677	670	670	670	671	669	665	663	671	669	668	670	669	669	669	669	21
22	676	670	670	671	669	667	666	666	671	667	668	669	668	669	669	669	22
23	677	670	670	670	670	668	668	671	669	667	668	667	667	668	669	669	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	669	671	673	672	672	671	669	672	673	670	670	667	668	670	668	670·0	Midnight
1h	669	670	672	673	672	672	669	672	673	671	670	667	668	668	667	669·5	1h
2	668	671	669	673	672	671	668	672	673	670	670	667	667	667	665	669·1	2
3	667	669	671	671	671	671	670	671	673	670	670	667	667	667	665	668·8	3
4	667	668	670	670	670	671	670	672	674	671	670	667	667	666	664	668·6	4
5	665	667	670	669	670	670	669	671	673	671	670	667	667	667	664	668·4	5
6	667	668	668	669	670	670	669	672	673	671	670	668	667	666	664	668·2	6
7	664	667	667	668	668	668	667	670	671	670	667	666	665	663	663	666·8	7
8	665	669	667	669	670	667	669	670	672	672	670	667	663	664	666	667·1	8
9	668	673	669	673	674	670	671	674	674	675	674	667	669	666	671	669·9	9
10	672	677	667	674	677	672	672	676	676	678	673	666	675	669	673	671·1	10
11	672	676	669	676	671	671	669	675	674	679	667	664	672	669	669	669·8	11
Noon	664	672	665	673	664	669	668	671	668	673	654	665	665	666	664	666·2	Noon
13h	658	668	663	666	659	663	658	664	657	662	642	662	660	657	659	661·1	13h
14	658	665	660	658	658	658	656	657	654	649	639	654	657	649	655	657·5	14
15	661	662	657	651	659	655	652	656	656	645	644	650	659	647	655	656·1	15
16	664	661	660	650	664	655	656	656	661	654	653	654	661	650	657	657·9	16
17	667	663	666	660	668	660	663	664	665	664	660	659	667	657	662	663·3	17
18	670	666	668	667	670	666	666	670	670	670	667	665	671	664	665	667·5	18
19	671	668	670	668	670	667	667	670	671	672	668	667	672	666	667	668·8	19
20	670	670	665	668	669	668	673	671	672	672	669	668	673	667	667	669·2	20
21	671	671	671	669	669	668	669	671	671	672	668	669	672	669	667	669·5	21
22	671	671	671	670	669	668	669	671	671	671	668	668	672	669	667	669·4	22
23	670	672	673	671	670	667	669	671	670	670	667	668	671	670	667	669·5	23

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) Highest.	Lowest.	Range.	Mean.	Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. (Centigrade). Mean.	Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
July 1	1010·0	− 3·7	23·9	16·3	7·6	19·2	−0·8	17·8	16·6	+ 0·9	85	+ 9	18·7	12·7	2·2	20	2·3	6·2
2	1008·8	− 5·0	23·9	13·7	10·2	18·8	−1·2	16·9	15·4	− 0·3	80	+ 4	17·3	10·6	1·6	5	4·0	3·4
3	1010·6	− 3·2	22·9	13·1	9·8	18·4	−1·6	15·2	12·5	− 3·1	69	− 7	14·4	12·0	0·5	10	4·5	1·7
4	1012·6	− 1·3	22·4	13·0	9·4	18·0	−2·0	14·8	12·1	− 3·5	69	− 7	14·0	8·7	0·0	...	3·5	4·0
5	1013·9	0·0	21·9	13·5	8·4	17·3	−2·7	15·2	13·4	− 2·2	78	+ 2	15·2	10·4	0·0	...	2·5	4·6
6	1015·1	+ 1·2	23·4	14·7	8·7	19·5	−0·5	16·7	14·4	− 1·2	73	− 3	16·3	11·1	0·8	15	4·0	5·3
7	1016·1	+ 2·2	23·3	18·2	5·1	20·5	+0·6	16·2	12·8	− 2·8	62	−14	14·7	14·7	0·1	5	4·6	3·9
8	1015·8	+ 1·9	23·0	17·3	5·7	19·4	−0·5	15·9	13·1	− 2·4	67	− 9	14·9	10·2	0·4	5	4·1	6·0
9	1013·4	− 0·5	23·0	14·7	8·3	19·5	−0·4	15·6	12·4	− 3·1	64	−12	14·3	9·8	0·0	...	3·5	7·7
10	1013·2	− 0·7	22·5	15·1	7·4	18·4	−1·5	16·7	15·3	− 0·2	82	+ 6	17·2	10·1	2·6	90	3·0	6·6
11	1012·3	− 1·6	22·9	17·2	5·7	19·6	−0·3	17·6	16·0	+ 0·5	80	+ 4	18·0	11·3	2·8	55	3·9	7·1
12	1011·0	− 2·9	24·4	15·3	9·1	19·5	−0·3	17·1	15·2	− 0·3	76	0	17·1	12·0	0·0	...	3·6	1·5
13	1011·0	− 2·9	23·9	13·6	10·3	18·8	−1·0	16·0	13·7	− 1·7	72	− 4	15·5	10·5	0·0	...	2·5	1·9
14	1011·6	− 2·3	24·3	13·4	10·9	18·8	−1·0	15·8	13·3	− 2·1	70	− 5	15·1	9·4	0·0	...	4·5	5·9
15	1013·5	− 0·4	22·5	14·0	8·5	18·4	−1·4	15·3	12·7	− 2·7	70	− 5	14·6	9·9	1·7	35	3·2	5·0
16	1014·6	+ 0·7	21·6	16·1	5·5	18·5	−1·3	15·1	12·3	− 3·1	67	− 8	14·2	12·7	0·0	...	3·0	7·9
17	1014·3	+ 0·4	21·9	15·6	6·3	18·6	−1·2	14·4	10·9	− 4·4	61	−14	13·0	15·2	0·0	...	3·9	7·1
18	1013·8	− 0·1	23·1	14·6	8·5	18·8	−1·0	14·8	11·5	− 3·8	63	−12	13·5	8·6	0·0	...	4·0	4·1
19	1013·4	− 0·5	22·2	15·8	6·4	19·0	−0·8	16·0	13·6	− 1·7	71	− 4	15·4	10·4	1·7	40	3·5	6·2
20	1011·4	− 2·4	23·3	15·9	7·4	19·6	−0·2	15·7	12·6	− 2·7	64	−11	14·5	10·2	0·0	...	4·7	4·8
21	1009·5	− 4·3	22·8	15·2	7·6	18·7	−1·1	16·5	14·7	− 0·5	78	+ 3	16·6	10·6	0·7	15	2·7	4·8
22	1009·4	− 4·4	23·9	13·2	10·7	18·5	−1·3	16·3	14·5	− 0·7	78	+ 3	16·4	8·8	0·0	...	3·5	1·9
23	1010·5	− 3·3	24·6	14·6	10·0	19·5	−0·3	16·3	13·7	− 1·5	69	− 6	15·5	9·0	0·0	...	4·5	1·2
24	1011·5	− 2·3	23·0	15·3	7·7	19·0	−0·8	15·1	11·9	− 3·2	63	−12	13·8	10·9	0·0	...	4·5	7·2
25	1011·5	− 2·3	22·3	14·4	7·9	18·4	−1·4	14·9	12·0	− 3·1	66	− 9	13·9	10·4	0·0	...	3·8	8·1
26	1012·4	− 1·4	21·6	14·6	7·0	17·9	−1·9	14·6	11·9	− 3·2	68	− 7	13·8	11·1	0·0	...	3·0	6·7
27	1014·2	+ 0·4	21·9	12·5	9·4	17·7	−2·1	14·6	12·0	− 3·1	69	− 6	13·9	7·8	0·0	...	4·6	4·9
28	1015·2	+ 1·4	22·9	12·7	10·2	18·4	−1·4	15·0	12·2	− 2·8	67	− 8	14·1	9·0	0·0	...	4·0	6·8
29	1016·6	+ 2·8	21·9	15·3	6·6	18·3	−1·5	15·1	12·4	− 2·6	69	− 6	14·3	11·6	0·6	10	4·5	5·6
30	1017·5	+ 3·7	22·1	16·6	5·5	18·7	−1·1	15·4	12·7	− 2·3	68	− 7	14·6	14·3	2·2	35	3·9	5·4
31	1017·8	+ 4·0	22·3	16·3	6·0	19·0	−0·8	15·8	13·2	− 1·8	69	− 6	15·0	10·8	1·1	25	3·9	5·6
Mean	1013·0	− 0·8	22·9	14·9	8·0	18·8	−1·1	15·8	13·3	− 2·0	70·6	−4·8	15·2	10·8	Sum 19·0	Sum 365	3·7	5·1
Average	1013·8	...	23·9	16·4	7·5	19·9	...	17·2	15·3	...	75·4	...	17·2	13·0	63·3	1461	3·4	4·9
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 July.

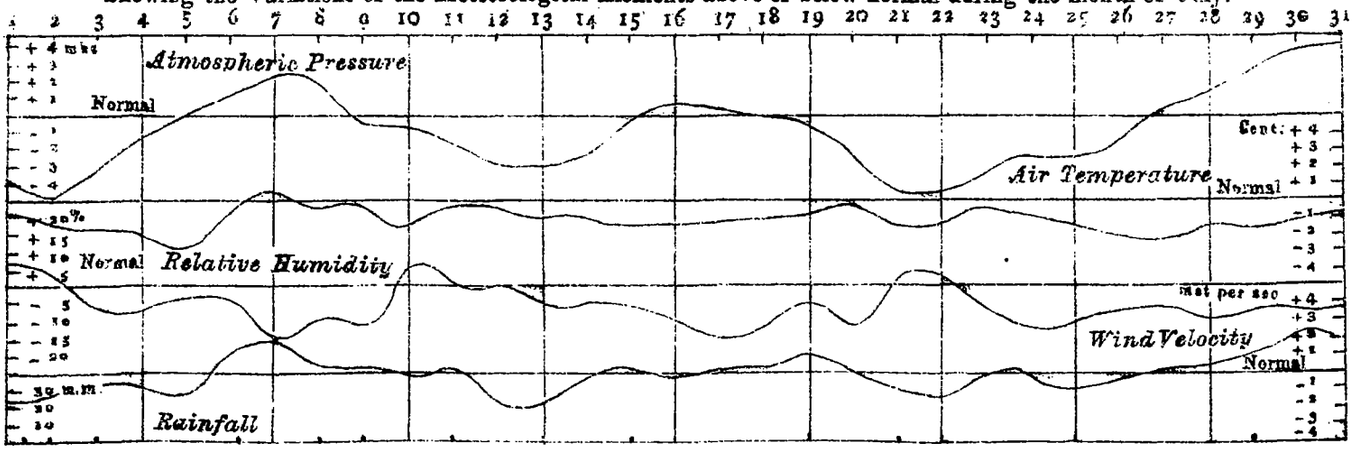

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1916.

Month and Day. 1916.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. 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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
July 1	3·1	28	− 0·3	+ 1·9	81	1·9	+ 19	− 1·3	2·2	− 1·5	25·4	25·1	21·68	21·42	21·46	c. : c.p: f. : b·
2	10·3	94	− 1·7	− 0·6	19	1·8	− 43	− 1·4	2·4	− 1·3	25·5	25·2	21·86	21·59	21·67	f. : b.
3	10·4	95	− 2·8	+ 1·4	27	3·1	− 36	− 0·1	3·2	− 0·5	25·5	25·0	22·01	21·70	21·52	c.p.: b.
4	9·6	88	− 2·1	+ 1·7	39	2·7	− 24	− 0·6	2·8	− 0·9	25·4	25·0	21·70	21·23	20·81	f. : c. : f. : b. : f.
5	4·7	43	− 1·5	+ 1·5	45	2·1	− 18	− 1·2	2·3	− 1·4	25·4	24·9	21·36	20·68	19·90	f. : c. : b. : c.
6	9·5	87	− 2·5	+ 4·1	59	4·8	− 4	+ 1·5	4·8	+ 1·1	25·5	25·1	21·18	20·72	20·68	c.p.q. : f. : c. : f.
7	8·8	81	− 2·0	+ 5·2	69	5·6	+ 6	+ 2·3	5·7	+ 2·0	25·4	24·9	21·43	20·95	21·12	f.
8	7·0	64	− 2·7	+ 3·1	49	4·1	− 14	+ 0·8	4·2	+ 0·5	25·4	24·8	21·46	20·91	21·00	f. : c.q: f. : c. : c.p.
9	5·7	52	− 2·6	+ 2·9	48	3·9	− 15	+ 0·6	4·0	+ 0·3	25·4	24·8	21·36	20·87	20·74	c.g.
10	5·9	54	− 0·9	+ 3·4	75	3·5	+ 12	+ 0·2	3·6	− 0·1	25·4	24·7	21·28	20·96	20·86	c. : f. : c.p. : f:
11	4·7	43	− 1·3	+ 3·5	70	3·7	+ 7	+ 0·3	3·9	+ 0·2	25·3	24·7	21·27	21·03	21·08	c.p. : c.
12	10·6	96	− 0·9	+ 1·4	57	1·7	− 7	− 1·7	2·1	− 1·6	25·4	24·7	21·69	21·57	20·74	c. b.
13	8·7	79	− 1·3	+ 0·4	18	1·3	− 46	− 2·1	2·0	− 1·8	25·3	24·6	21·64	21·38	20·33	b. : f. : b.
14	8·4	76	− 2·9	+ 1·2	22	3·2	− 42	− 0·2	3·4	− 0·4	25·4	24·6	21·56	21·20	22·45	c.g. : f. : c.p.
15	7·8	71	− 2·9	+ 2·4	40	3·7	− 24	+ 0·3	3·9	+ 0·1	25·4	24·6	21·32	20·87	20·34	f. :c.p.: c. : f. : c.
16	6·0	55	− 2·5	+ 2·6	46	3·6	− 18	+ 0·2	3·7	− 0·1	25·3	24·6	21·16	20·70	20·49	c.g. :cpq: c.g.
17	6·7	61	− 1·7	+ 3·5	64	3·9	0	+ 0·5	4·0	+ 0·2	25·4	24·6	21·10	20·67	20·54	c.g. : f.
18	9·1	83	− 1·6	+ 3·6	66	3·9	+ 2	+ 0·5	4·1	+ 0·3	25·3	24·4	20·87	20·29	19·62	f.
19	5·8	53	− 2·1	+ 4·4	64	4·8	0	+ 1·4	4·9	+ 1·1	25·3	24·6	20·76	20·20	19·94	f. : c.g.p. : c.q. : c.g.
20	10·1	92	− 1·7	+ 3·3	63	3·7	− 1	+ 0·3	3·8	0·0	25·3	24·5	20·95	20·68	21·18	c.g. : f. : f.q. : b.
21	6·4	58	− 1·0	+ 2·7	70	2·9	+ 6	− 0·5	3·0	− 0·8	25·4	24·3	20·98	20·56	20·43	b. : c.d. : f. : b.
22	8·1	73	− 1·1	+ 0·7	33	1·3	− 31	− 2·1	2·4	− 1·4	25·4	24·3	20·90	20·63	20·97	b. : f. : b.
23	10·8	97	− 2·9	+ 2·1	36	3·6	− 28	+ 0·2	3·6	− 0·2	25·3	24·3	21·32	21·11	21·46	b. : f.
24	8·0	72	− 3·2	+ 1·7	28	3·6	− 36	+ 0·1	3·7	− 0·1	25·3	24·2	21·49	21·23	21·02	c. : f. : c. : o.g.
25	5·2	47	− 2·4	+ 1·3	28	2·7	− 36	− 0·8	2·9	− 0·9	25·3	24·3	21·67	21·48	21·77	o.g. : c. : f. : c.
26	2·7	24	− 2·7	+ 1·8	34	3·3	− 31	− 0·2	3·3	− 0·5	25·3	24·3	21·41	20·93	20·43	c. : c.g. : f.
27	8·3	75	− 3·2	+ 2·2	35	3·9	− 30	+ 0·4	4·0	+ 0·2	25·3	24·3	20·83	20·26	20·04	b. : f. : c. :f.q.
28	7·1	64	− 2·9	+ 2·9	45	4·1	− 20	+ 0·6	4·2	+ 0·4	25·3	24·1	20·84	20·39	20·44	c. : f. : c.
29	8·9	80	− 3·0	+ 4·1	54	5·1	− 11	+ 1·6	5·1	+ 1·2	25·3	24·1	20·94	20·52	20·48	c. : f. : f.q. : c.p.
30	5·9	53	− 3·1	+ 5·0	58	5·9	− 7	+ 2·4	6·0	+ 2·1	25·3	24·1	20·87	20·43	20·13	c.p. : c. q. :c.p.:f.q.
31	7·4	66	− 2·3	+ 5·1	66	5·6	+ 1	+ 2·1	5·8	+ 1·9	25·2	24·1	20·62	20·16	19·86	f.q. c.p.q. : c:q. : f.
Mean -	7·47	67·9	− 2·12	+ 2·60	50·8	3·35	−13·0	−0·03	3·71	−0·06	25·36	24·57	21·28	20·88	20·76	...
Average	7·73	70·0	− 1·49	+ 3·03	63·8	3·38	...	...	3·77	...	25·17	24·44	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Pressure was variable during the month, but in the mean, still below normal.

Temperature was below normal on all days except the 7th, and 1°·1C below, in the mean.

Relative humidity was 4·8% below normal in the mean for the month.

The highest relative humidity was 97·7 % on the 14th ; and the lowest 43·3 % on the 23rd.

The highest dew point temperature was 18°·9 on the 1st ; and the lowest 9°·0 on the 18th.

The soil temperature at depths of 9 ins., 6 ins. and 3 ins. was 1°C below the corresponding period for the previous year.

The wind velocity was generally normal, but the direction considerably more southerly than usual. The velocity curve follows closely the pressure curve : low pressures being associated with calms and increasing trades with recovering pressure.

Agriculturally the conditions were generally unfavourable to the growing crops, the rainfall being defective and the temperature very low.

Rainfall at the Observatory was 70% below normal. The percentage variation of rainfall from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	61 % below
Eastern Districts	„ „ 2, 3, 4.	59 % below
South-Eastern Districts	„ „ 5 & 6	54 % below
Western Districts	River System 11	64 % below
	„ „ 12	58 % below
	„ „ 13	100 % below

(August 14, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is 181 feet above mean sea-level.)

JULY 1916.

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	0118	0095	0096	0121	0134	0147	0160	0171	0150	0138	0133	0118	0118	0117	0130	0148	Midnight
1h	0116	0090	0099	0120	0134	0148	0161	0171	0148	0137	0133	0116	0115	0118	0131	0147	1h
2	0110	0088	0095	0118	0132	0147	0159	0168	0143	0132	0128	0112	0112	0116	0129	0146	2
3	0108	0082	0094	0117	0131	0148	0158	0167	0139	0128	0127	0108	0108	0111	0125	0142	3
4	0104	0080	0091	0113	0131	0149	0158	0165	0133	0128	0125	0105	0104	0110	0123	0142	4
5	0101	0079	0091	0116	0132	0145	0158	0160	0131	0129	0123	0105	0106	0110	0125	0140	5
6	0101	0084	0095	0118	0132	0149	0159	0161	0132	0131	0127	0107	0109	0113	0130	0143	8
7	0107	0091	0101	0125	0139	0151	0163	0162	0138	0138	0131	0112	0116	0118	0133	0146	7
8	0110	0097	0110	0131	0147	0157	0167	0163	0140	0140	0135	0123	0121	0125	0140	0154	8
9	0113	0100	0117	0135	0150	0161	0169	0163	0144	0149	0137	0125	0124	0128	0144	0155	9
10	0114	0099	0118	0136	0150	0160	0169	0163	0143	0146	0136	0124	0123	0125	0145	0159	10
11	0108	0094	0115	0133	0149	0158	0165	0162	0138	0137	0131	0119	0118	0122	0138	0150	11
Noon	0100	0090	0113	0129	0145	0154	0164	0160	0132	0131	0125	0113	0113	0113	0133	0143	Noon
13h	0090	0081	0104	0123	0137	0147	0155	0150	0126	0126	0117	0103	0104	0103	0128	0140	13h
14	0084	0079	0100	0119	0136	0143	0151	0148	0123	0121	0110	0096	0096	0101	0122	0135	14
15	0083	0077	0099	0119	0130	0141	0150	0143	0119	0121	0105	0093	0093	0102	0121	0134	15
16	0083	0078	0099	0120	0129	0140	0150	0145	0118	0125	0106	0093	0093	0103	0126	0135	16
17	0085	0080	0100	0122	0129	0141	0155	0148	0122	0125	0111	0097	0097	0108	0132	0139	17
18	0086	0084	0105	0127	0131	0144	0159	0151	0124	0127	0112	0102	0101	0113	0136	0142	18
19	0090	0089	0110	0131	0139	0149	0161	0153	0130	0127	0113	0104	0106	0119	0142	0147	19
20	0096	0094	0116	0137	0145	0152	0163	0158	0136	0131	0118	0113	0110	0123	0145	0150	20
21	0098	0097	0120	0138	0149	0157	0165	0159	0139	0134	0121	0116	0114	0125	0151	0153	21
22	0097	0098	0122	0138	0149	0160	0170	0159	0139	0135	0123	0120	0116	0127	0152	0153	22
23	0097	0098	0122	0136	0149	0160	0171	0156	0140	0135	0121	0121	0119	0126	0151	0153	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	0153	0141	0143	0133	0107	0094	0102	0114	0120	0117	0141	0153	0165	0173	0183	0133	Midnight
1h	0154	0144	0142	0127	0104	0094	0102	0112	0119	0118	0140	0154	0167	0170	0182	0133	1h
2	0150	0139	0139	0123	0100	0089	0097	0109	0118	0115	0135	0150	0166	0165	0176	0129	2
3	0144	0134	0134	0118	0096	0085	0093	0108	0116	0111	0134	0145	0166	0164	0174	0126	3
4	0143	0135	0134	0116	0096	0085	0094	0108	0116	0111	0131	0143	0165	0161	0174	0125	4
5	0144	0133	0127	0115	0095	0084	0095	0109	0117	0112	0132	0144	0164	0163	0175	0124	5
6	0147	0136	0130	0116	0097	0088	0099	0112	0120	0117	0137	0146	0167	0167	0177	0127	6
7	0151	0136	0136	0118	0100	0094	0105	0119	0122	0119	0145	0149	0172	0173	0182	0132	7
8	0155	0142	0141	0120	0104	0101	0107	0127	0125	0124	0148	0154	0175	0178	0186	0137	8
9	0158	0147	0147	0123	0107	0105	0116	0126	0126	0129	0153	0158	0177	0186	0187	0141	9
10	0158	0153	0147	0122	0107	0106	0118	0125	0125	0127	0155	0158	0177	0188	0188	0141	10
11	0154	0148	0143	0119	0105	0101	0117	0119	0119	0122	0149	0156	0171	0182	0185	0136	11
Noon	0146	0146	0136	0116	0098	0096	0112	0114	0115	0119	0146	0153	0166	0177	0183	0132	Noon
13h	0136	0134	0128	0105	0088	0088	0101	0113	0114	0118	0136	0146	0158	0174	0175	0124	13h
14	0134	0126	0124	0101	0084	0085	0095	0108	0105	0116	0134	0142	0155	0173	0175	0120	14
15	0125	0124	0122	0096	0079	0081	0094	0101	0098	0116	0126	0140	0154	0169	0167	0117	15
16	0125	0124	0122	0096	0077	0082	0094	0101	0100	0120	0130	0141	0154	0170	0168	0118	16
17	0126	0126	0124	0100	0082	0085	0096	0104	0101	0122	0134	0144	0156	0170	0170	0120	17
18	0131	0130	0126	0105	0084	0089	0102	0110	0106	0126	0136	0146	0158	0172	0171	0124	18
19	0135	0134	0131	0108	0086	0095	0105	0115	0110	0130	0141	0151	0164	0175	0174	0128	19
20	0142	0137	0135	0116	0093	0103	0112	0121	0116	0137	0147	0159	0169	0183	0177	0133	20
21	0146	0144	0136	0116	0097	0106	0116	0126	0120	0142	0152	0166	0174	0186	0178	0137	21
22	0146	0144	0135	0115	0097	0105	0118	0123	0119	0142	0155	0169	0175	0186	0183	0138	22
23	0145	0145	0136	0114	0096	0105	0116	0122	0120	0143	0155	0168	0175	0185	0183	0138	23

TABLE VIII.—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.
	JULY 1916.																															
Midnight	9	8	2	2	1	1	1	1	7	6	3	7	0	1	1	9	8	4	2	1	1	0	0	10	9	6	0	7	8	8	8	4·2
1h	10	7	10	2	1	8	1	7	7	7	3	7	0	3	1	10	7	2	1	2	2	0	0	10	9	5	1	7	4	8	4	4·7
2	10	4	6	5	1	7	2	2	7	7	6	7	0	8	2	10	8	6	1	1	1	0	0	3	10	8	2	8	7	1	3	4·6
3	8	2	6	7	3	9	4	7	8	8	3	1	0	10	2	10	10	5	3	1	1	1	0	6	10	8	1	8	8	5	4	5·1
4	7	3	0	5	3	10	3	7	8	8	3	2	0	9	2	9	10	2	7	1	1	0	0	4	10	7	2	5	7	3	4	4·6
5	7	4	0	8	3	8	4	5	9	5	5	0	0	9	5	8	10	3	5	3	3	0	0	6	10	7	1	5	6	3	6	4·8
6	5	1	1	7	4	8	5	2	8	5	9	0	0	7	4	7	10	3	6	7	7	0	0	5	10	8	7	5	4	7	6	5·1
7	8	2	1	5	3	7	5	1	8	6	8	0	0	8	3	9	8	2	8	6	6	1	0	7	10	8	9	5	4	8	7	5·3
8	8	2	1	3	5	5	4	2	9	6	9	0	1	8	7	9	7	6	5	4	4	3	0	7	10	6	3	4	4	7	7	5·0
9	6	3	1	2	7	1	7	3	9	7	8	0	0	3	6	7	7	3	7	8	8	1	1	8	10	4	9	9	5	8	3	5·2
10	9	6	2	2	8	1	5	4	8	7	8	1	1	6	7	9	5	5	9	9	9	2	1	5	9	9	1	8	7	7	5	5·6
11	5	6	2	2	9	4	4	6	8	8	8	2	4	4	6	8	6	6	10	10	10	3	2	3	9	10	4	5	8	3	5	5·8
Noon	3	3	3	2	9	5	4	9	7	6	10	2	5	2	8	7	8	4	6	10	10	2	1	3	5	9	4	6	5	5	8	5·5
13h	5	4	2	3	9	4	5	9	8	7	8	0	6	5	6	9	6	5	6	7	7	4	1	7	4	10	7	7	5	6	7	5·8
14	6	5	3	4	8	4	3	8	8	8	6	1	4	4	5	6	8	3	6	4	4	6	1	8	6	10	6	7	6	6	7	5·5
15	8	5	1	4	4	6	3	8	7	9	5	2	5	2	6	5	4	3	3	6	6	6	1	7	7	9	7	8	7	6	5	5·3
16	10	4	1	5	2	6	3	7	6	7	7	2	6	3	4	6	7	3	5	6	6	4	1	8	5	9	7	7	3	7	6	5·3
17	9	3	0	5	2	8	4	8	7	5	8	1	5	4	3	7	8	3	9	5	5	4	2	8	8	9	8	7	6	5	7	5·6
18	8	3	0	7	2	6	4	8	7	8	10	1	1	7	3	6	8	5	10	8	8	3	0	9	8	9	8	8	6	5	5	5·8
19	5	2	0	5	1	4	4	9	8	8	10	1	2	8	4	6	5	7	9	5	5	3	0	10	8	3	7	7	5	5	8	5·3
20	2	1	0	4	1	5	4	8	10	6	9	1	1	8	5	8	4	4	10	4	4	0	3	9	9	1	7	8	10	5	10	5·2
21	2	3	0	3	6	4	3	7	10	8	8	1	1	9	8	9	5	6	8	2	2	1	3	10	7	2	6	8	3	7	3	5·0
22	0	2	0	3	9	4	5	7	7	3	6	0	2	6	7	9	9	5	6	2	2	1	2	10	8	4	5	7	1	2	3	4·4
23	0	1	0	2	10	3	7	6	4	4	8	0	1	7	10	7	5	4	7	3	3	0	6	10	6	2	3	6	6	6	5	4·6

TABLE IX.—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.
	JULY 1916.																															
	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	15	13	0	5	0	0	0	0	1	0	16	24	0	0	15	0	0	0	0	13	0	25	0	1	5	0	15	2	0	0	2·5
8	0	60	60	35	35	46	16	59	0	2	12	60	60	0	31	15	29	28	29	48	60	6	60	30	0	60	55	26	46	20	5	16·5
9	0	60	60	60	1	41	58	60	2	28	29	60	60	27	54	37	43	60	3	60	45	45	60	60	10	47	60	30	60	22	57	21·6
10	0	60	60	60	45	60	52	60	6	32	30	60	60	60	13	10	60	53	16	60	4	60	60	58	33	1	30	45	58	33	33	21·2
11	32	60	60	60	20	60	48	60	60	59	20	60	58	43	57	35	42	53	0	60	0	60	60	58	17	1	44	57	57	46	58	23·4
Noon	59	60	60	60	0	60	60	44	58	54	15	60	57	60	16	30	17	47	55	60	3	58	60	60	33	15	60	54	59	60	57	24·2
13h	55	60	60	60	0	60	60	57	60	50	30	60	45	60	45	35	60	60	55	60	43	59	60	60	57	1	59	35	60	52	59	26·3
14	37	60	60	60	13	60	60	33	47	59	47	60	60	60	59	50	57	60	60	60	33	60	60	55	60	7	50	47	45	50	60	26·6
15	0	60	60	60	47	60	60	35	50	7	54	60	48	60	60	30	50	60	60	60	59	60	60	59	59	10	59	30	56	53	53	25·6
16	0	60	60	60	60	59	59	12	50	29	47	60	25	60	60	44	32	59	60	60	60	60	60	41	30	7	45	54	45	14	37	23·5
17	0	55	60	59	58	60	58	0	11	30	1	60	20	60	60	43	12	55	10	60	59	16	60	0	14	8	37	30	31	5	24	17·6
18	0	11	10	0	0	3	0	0	0	0	0	17	2	16	10	15	0	13	0	15	8	5	22	0	0	0	0	0	13	0	0	2·7
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 231·7 hours; the corresponding period during which the sun was above the horizon was 341·2 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

JULY 1916.

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	18·2	17·6	16·9	16·6	15·6	14·7	12·9	11·3	16·1	14·7	14·7	13·6	19·3	15·9	18·1	14·8
1h	18·1	17·3	17·6	17·4	18·0	16·9	13·0	11·2	14·6	13·2	16·9	15·8	19·5	16·3	18·7	15·8
2	17·6	16·9	17·0	16·6	17·6	17·1	14·6	12·8	14·1	12·8	17·0	16·0	19·6	16·8	19·0	16·1
3	17·8	17·0	16·4	15·7	17·3	16·6	16·3	14·2	14·7	13·7	17·2	16·1	18·8	16·3	19·3	15·7
4	17·7	16·8	15·7	14·7	16·7	15·3	16·6	15·3	14·7	13·5	17·2	15·9	19·1	16·0	19·3	15·6
5	17·4	16·4	14·8	14·1	15·8	14·8	16·8	15·3	13·5	12·4	17·3	15·7	18·7	15·0	18·3	14·0
6	16·7	15·7	14·6	13·7	17·9	15·7	16·8	14·9	14·1	13·1	16·9	14·9	19·4	15·4	17·7	15·0
7	16·9	15·9	13·8	12·7	17·9	15·6	16·2	14·3	14·8	13·7	16·4	14·9	19·5	15·1	17·5	14·7
8	18·4	17·4	16·5	15·8	18·9	16·1	17·1	15·3	17·8	16·6	18·3	15·7	19·8	15·7	19·2	15·6
9	19·9	18·5	20·6	18·1	20·5	16·9	20·3	15·7	19·5	17·2	19·9	17·3	21·6	16·2	21·4	16·6
10	21·6	18·7	21·5	18·9	21·4	16·7	21·0	15·4	20·3	17·3	21·7	16·7	21·9	16·8	21·8	16·6
11	22·3	18·9	22·7	19·6	22·0	16·0	21·8	15·7	20·5	17·6	22·3	17·6	22·7	16·5	22·1	16·7
Noon	23·0	19·8	23·3	19·8	22·5	16·4	21·6	15·5	20·0	17·9	22·9	17·9	22·8	16·8	22·9	16·7
13h	23·1	19·7	23·8	18·9	22·7	16·8	22·1	15·8	20·2	17·4	22·9	17·8	23·1	17·8	22·9	16·8
14	23·4	20·2	23·5	19·2	22·9	16·3	22·3	15·8	20·4	17·1	22·9	17·9	23·1	17·2	21·4	16·7
15	22·9	19·7	23·2	19·0	22·3	16·2	21·8	15·8	21·8	16·8	22·4	17·7	22·9	17·7	21·0	17·0
16	21·0	19·8	22·9	19·0	21·2	16·0	21·2	15·7	20·8	16·7	22·0	17·9	22·2	16·3	19·6	16·8
17	20·6	19·6	21·8	18·8	19·8	14·8	19·9	15·7	19·8	16·3	20·8	17·0	20·9	16·3	19·7	17·0
18	19·3	18·3	20·2	18·7	18·1	14·3	18·8	15·8	18·0	15·7	19·9	16·7	19·9	17·0	18·9	16·0
19	18·3	17·4	18·7	16·8	16·7	13·3	16·2	14·5	16·3	14·7	19·7	17·4	19·5	15·2	17·7	15·7
20	17·7	16·8	17·5	16·2	15·7	12·9	15·0	13·7	16·7	14·8	19·3	17·4	19·5	15·5	17·7	15·7
21	17·2	16·7	17·8	16·3	14·6	12·6	15·7	14·7	15·6	14·4	19·2	17·4	19·3	16·1	17·2	14·7
22	16·9	16·3	16·3	15·2	13·5	11·7	15·8	14·7	16·0	14·3	19·3	17·5	19·3	16·1	17·6	15·2
23	16·4	15·7	15·9	14·8	13·6	11·7	16·7	15·3	15·9	14·7	19·0	17·1	19·6	16·2	17·7	15·1

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

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

(*To obtain temperatures in the Absolute Scale add* 273°)

JULY 1916.

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

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

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

JULY 1916.

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	886	922	883	900	878	905	885	910	890	904	893	901	875	938	890	924	Midnight
1h	896	921	882	896	885	906	885	915	882	912	892	920	879	951	880	930	1h
2	896	918	881	900	871	911	878	922	886	910	883	925	872	941	878	922	2
3	897	916	881	900	889	905	882	908	892	919	871	929	883	943	872	941	3
4	896	916	887	913	885	907	880	904	890	914	854	930	872	941	866	934	4
5	890	923	887	913	891	907	877	910	891	909	875	925	877	934	877	934	5
6	892	919	885	923	869	900	884	907	889	905	889	927	882	944	886	921	6
7	892	919	888	919	870	900	886	922	886	903	893	916	890	949	883	926	7
8	892	918	892	911	876	895	887	913	884	916	880	930	900	957	883	926	8
9	890	924	896	906	867	907	881	919	879	921	874	926	881	997	875	937	9
10	889	926	893	900	862	915	858	917	892	938	865	953	875	960	875	960	10
11	900	933	893	890	850	921	867	922	868	932	863	956	900	972	853	947	11
Noon	912	930	900	878	858	917	862	925	894	931	858	963	882	988	864	954	Noon
13h	911	929	871	871	857	929	869	931	883	926	873	965	859	962	849	951	13h
14	918	918	867	851	859	927	880	930	881	929	857	964	858	962	853	932	14
15	913	920	864	864	857	929	864	924	866	934	857	964	871	944	849	934	15
16	884	911	870	854	853	932	871	929	873	927	873	966	849	976	870	945	16
17	907	917	869	869	863	937	884	924	886	914	866	951	875	960	874	926	17
18	892	919	883	875	870	930	887	913	894	906	883	941	887	933	887	932	18
19	894	913	890	893	880	920	888	912	886	897	874	939	890	947	874	917	19
20	894	915	887	900	883	917	892	908	877	905	883	941	891	943	882	918	20
21	895	912	886	906	892	908	880	920	882	904	884	939	875	937	878	914	21
22	894	914	884	911	883	907	887	913	885	903	883	943	889	927	876	915	22
23	893	916	885	910	883	907	877	915	891	902	875	938	892	940	874	917	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	882	918	907	903	891	944	895	926	881	908	889	911	883	903	880	930	Midnight
1h	882	918	900	928	885	938	900	925	878	900	894	913	889	905	877	923	1h
2	883	911	904	921	900	944	900	907	881	896	876	910	884	916	878	922	2
3	881	913	903	915	892	940	891	904	882	900	895	912	879	900	872	919	3
4	877	910	896	919	885	938	892	908	870	906	900	917	871	911	868	932	4
5	885	910	900	922	889	926	892	908	872	906	900	920	881	913	877	923	5
6	880	913	889	911	896	920	892	903	879	904	893	916	893	916	876	915	6
7	869	931	886	910	881	919	885	900	877	910	877	900	882	900	884	907	7
8	867	933	888	909	877	923	891	900	880	908	898	908	871	911	893	915	8
9	871	919	892	920	883	942	885	923	876	915	877	910	854	930	878	922	9
10	857	943	887	932	890	947	878	933	878	922	865	893	856	929	861	939	10
11	855	945	891	943	890	950	892	937	878	900	863	915	870	946	868	948	11
Noon	865	953	891	942	866	952	894	931	891	912	852	890	856	944	865	935	Noon
13h	863	956	900	944	886	967	892	938	920	896	854	900	848	952	850	933	13h
14	863	956	879	951	864	954	887	934	904	879	837	913	833	944	859	941	14
15	865	952	878	932	878	954	876	910	915	890	841	925	846	954	857	943	15
16	867	949	900	957	879	952	868	922	915	894	834	913	848	935	865	952	16
17	864	936	890	947	891	943	882	918	882	904	845	923	874	939	865	914	17
18	874	926	883	941	900	935	885	915	879	914	859	927	882	918	884	924	18
19	878	922	883	941	892	911	902	910	881	912	872	911	878	914	884	911	19
20	878	922	890	949	892	908	911	911	887	906	866	923	870	920	890	923	20
21	883	925	879	950	896	920	908	892	892	908	878	914	879	921	886	921	21
22	880	920	890	949	890	910	903	892	892	908	875	917	886	922	894	928	22
23	900	918	878	953	884	916	891	887	892	908	878	909	891	922	890	907	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs, and are published to the nearest metre*).

JULY 1916.

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	876	916	892	938	888	930	886	921	887	919	893	916	874	917	882	912
1h	883	925	890	923	880	920	883	925	885	923	887	913	870	920	880	904
2	900	925	896	919	892	919	887	920	886	921	890	914	868	922	877	910
3	889	929	893	917	887	920	892	920	891	922	892	908	870	920	885	907
4	881	929	888	919	891	921	886	922	890	923	889	911	873	918	878	914
5	889	928	886	921	892	919	879	932	889	926	894	915	873	918	879	904
6	884	924	890	924	889	928	894	931	890	923	883	917	890	925	877	915
7	881	929	895	922	900	930	887	920	885	923	885	915	882	918	885	915
8	886	936	887	933	892	940	884	924	885	915	890	910	885	924	873	918
9	890	949	880	949	890	949	872	941	887	932	893	907	879	921	871	929
10	876	958	891	942	866	948	875	959	886	935	889	927	865	935	862	938
11	864	955	887	962	900	958	874	963	919	928	913	919	868	932	848	921
Noon	887	966	874	962	868	978	866	951	900	925	907	883	857	943	852	920
13h	860	960	886	969	848	977	860	960	875	938	886	865	853	919	849	910
14	865	958	866	951	850	975	868	947	900	951	887	868	850	921	846	922
15	868	947	886	970	853	970	887	962	891	945	887	867	854	931	850	933
16	858	942	878	952	870	972	868	947	892	940	887	880	860	926	851	933
17	884	939	874	939	873	966	883	941	886	935	913	913	861	916	854	919
18	889	929	890	923	870	946	891	922	893	916	900	921	873	918	864	924
19	890	915	887	919	872	941	892	918	891	921	882	918	881	912	864	914
20	892	908	881	919	891	945	891	922	892	918	873	918	888	905	874	917
21	905	911	859	941	887	934	892	918	882	927	876	916	878	914	876	916
22	903	917	869	931	876	936	896	921	884	916	873	918	879	914	878	914
23	893	935	882	927	881	928	893	917	892	919	870	920	881	913	878	909

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	879	914	893	915	877	915	870	912	875	937	900	934	876	936	885	919
1h	883	917	880	904	870	912	888	900	886	935	877	935	882	945	884	919
2	886	903	889	905	891	921	900	912	871	944	876	936	881	947	885	919
3	865	907	885	915	878	909	889	911	886	936	877	934	889	953	885	918
4	880	913	882	918	879	904	887	900	888	918	872	941	883	941	882	919
5	883	903	884	911	884	907	875	910	876	916	872	942	871	943	883	919
6	883	903	859	928	879	921	886	914	878	932	871	943	900	949	885	920
7	888	902	869	921	875	917	876	915	868	932	874	939	868	948	882	919
8	884	907	854	919	873	918	865	923	875	937	870	946	889	956	882	922
9	861	916	874	926	871	811	858	917	859	941	866	952	875	961	877	930
10	864	924	859	917	859	927	865	953	864	954	858	962	900	966	873	937
11	864	924	862	925	861	939	860	940	843	957	866	982	900	985	875	940
Noon	883	926	863	908	859	941	861	959	856	967	839	961	866	983	873	939
13h	869	931	856	918	848	952	850	950	840	960	851	973	836	964	866	939
14	859	927	861	926	837	942	849	951	860	960	869	975	859	961	865	939
15	853	919	865	935	847	935	845	955	872	967	900	974	884	982	869	941
16	854	900	868	922	848	952	858	942	853	947	846	954	862	957	867	935
17	866	923	871	929	857	943	871	929	857	943	859	961	857	943	874	931
18	865	907	874	926	878	922	869	931	869	931	869	946	883	941	881	924
19	888	912	884	903	875	925	869	931	863	937	873	941	871	929	882	920
20	891	912	885	910	866	913	867	933	883	941	872	941	877	935	884	921
21	893	910	871	919	868	913	876	936	887	934	871	944	885	937	883	921
22	890	908	872	911	879	904	876	936	879	931	872	941	881	928	885	920
23	888	912	892	911	889	898	886	921	881	928	872	941	871	929	885	918

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

JULY 1916.

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

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

TABLE XIII.—DIRECTION of the WIND at every HOUR of the DAY during the MONTH of JULY 1916.
(*The days on which the Normal Trade Winds were interrupted are indicated by an asterisk* *).
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	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	Hour. Mauritius Standard Time.
	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	
Midt.	5	0	1	3	2	1	5	6	4	14	7	7	2	4	1	5	3	7	6	5	5	6	3	3	3	6	3	2	5	8	5	Midt.
1h	7	31	2	4	3	6	6	5	4	8	6	8	0	6	2	4	5	6	4	5	5	4	3	1	4	1	2	0	6	5	6	1h
2	7	0	2	4	3	5	5	4	3	9	8	8	31	2	4	4	8	7	6	5	5	5	3	2	1	2	6	8	5	5	6	2
3	7	0	2	2	6	4	6	5	3	9	7	2	0	6	0	3	6	6	5	6	6	4	3	2	1	4	2	4	6	5	7	3
4	7	4	2	1	5	3	5	4	2	7	6	4	1	8	2	4	5	5	6	5	6	4	3	3	3	4	1	0	5	5	6	4
5	6	4	3	2	4	4	5	5	3	8	6	4	1	8	3	4	6	5	6	5	6	6	3	1	1	3	2	2	3	5	5	5
6	6	5	0	2	2	6	6	5	3	4	7	2	1	6	6	3	5	6	6	7	6	4	6	3	1	3	4	4	5	5	8	6
7	6	5	0	5	1	6	7	5	4	3	4	0	2	0	0	2	5	7	8	5	5	4	4	4	1	3	3	3	4	5	5	7
8	6	5	31	4	4	5	8	5	4	3	4	0	2	4	2	6	6	6	7	5	4	4	5	3	2	2	3	3	5	5	7	8
9	6	5	1	4	4	4	7	5	3	6	6	5	3	2	3	4	7	6	7	5	6	4	4	4	2	4	2	2	4	5	6	9
10	6	0	2	2	7	5	6	6	4	6	7	5	4	31	3	4	6	7	5	6	6	6	4	4	3	2	3	5	5	5	8	10
11	8	27	2	3	4	5	8	4	4	7	7	7	0	2	5	5	5	6	8	6	11	11†	4	2	3	3	4	4	4	6	8	11
Noon	10	24	2	3	7	5	7	5	5	7	5	7	5	31	4	4	7	6	6	5	8	22	4	2	5	1	4	5	5	4	6	Noon
13h	10	28	3	4	5	6	5	4	5	8	7	7	17†	0	4	3	5	7	5	5	5	26	2	1	4	2	4	4	4	5	4	13h
14	12	27	3	5	5	5	5	3	5	6	5	6	23	1	3	4	5	5	5	5	8	26	2	2	3	3	3	4	5	6	5	14
15	11	28	3	3	4	5	5	3	5	5	6	2	19	2	4	4	5	7	5	7	7	26	3	3	2	4	3	4	6	8	7	15
16	3	27	3	4	4	6	5	5	5	8	6	3	18	1	3	5	4	6	6	5	7	27	3	3	0	3	4	4	4	4	5	16
17	10	28	4	5	4	5	6	4	4	7	7	4	1§	2	5	2	6	5	6	6	6	12§	2	2	3	4	4	4	4	5	4	17
18	6	27	4	4	4	6	6	6	4	6	8	4	3	3	4	5	6	6	5	6	6	8	3	3	1	4	4	4	4	5	6	18
19	6	29	4	4	31	5	7	3	4	6	5	9	3	2	3	3	5	5	5	6	6	4	3	2	4	1	4	4	4	5	4	19
20	6	0	4	4	1	6	7	4	4	7	4	12	2	3	3	6	4	4	7	6	6	3	2	3	5	3	2	4	6	5	5	20
21	6	2	4	4	1	6	5	3	5	6	7	20	4	3	4	5	10	4	6	6	5	3	3	3	5	3	2	5	6	5	6	21
22	6	3	2	4	1	6	6	3	4	7	4	22	4	3	5	7	9	4	5	7	4	3	3	3	3	2	1	5	5	5	5	22
23	6	3	2	3	1	5	7	3	8	6	4	27	4	2	6	3	7	5	5	6	6	3	3	2	4	5	31	5	5	5	4	23

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of JULY 1916.

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	22·0	21·7	21·7	21·4	21·3	21·3	21·8	22·2	21·8	21·3	20·9	20·6	20·7	21·4	22·2	22·3	20·4	20·4	19·6	19·2	21·3	24·1	23·7	22·2
2	22·2	21·9	21·7	21·6	21·4	21·4	22·1	22·5	21·9	21·3	20·9	20·6	20·6	21·6	22·8	22·9	21·8	20·0	18·9	18·5	21·4	24·8	25·0	23·3
3	22·6	22·3	21·9	21·6	21·5	21·6	22·1	22·5	22·3	21·6	21·1	20·7	20·7	21·8	22·7	22·6	21·1	20·2	19·2	19·1	21·7	25·0	24·4	22·1
4	22·4	22·0	21·6	21·2	21·1	21·5	21·7	22·0	22·4	21·0	20·5	20·2	20·2	21·8	22·1	22·2	20·0	18·8	18·5	18·5	20·9	24·1	24·0	22·0
5	22·5	21·7	21·5	21·1	20·8	21·0	21·2	21·6	21·3	21·0	20·4	19·9	19·8	20·6	21·2	21·4	19·5	19·0	18·1	17·9	19·8	21·6	22·3	21·0
6	21·4	21·2	21·0	20·9	20·7	20·8	21·4	21·7	20·7	20·5	20·1	19·8	20·0	20·8	21·8	21·8	19·5	19·0	18·5	18·3	20·9	23·6	23·3	21·9
7	21·8	21·6	21·3	21·2	21·1	21·1	21·4	21·8	21·4	20·8	20·5	20·3	20·2	20·8	21·7	21·8	20·5	19·6	19·1	20·7	20·7	23·2	23·5	21·8
8	21·8	21·6	21·3	21·2	21·0	21·2	21·6	21·9	21·4	20·9	20·5	20·3	20·3	21·2	21·8	21·1	20·4	19·7	19·0	18·8	21·2	23·7	23·5	22·2
9	21·9	21·7	21·3	21·2	21·0	21·0	21·2	21·7	21·1	20·9	20·3	20·1	20·3	20·9	21·6	21·7	19·4	19·1	18·5	18·6	21·7	23·3	23·0	21·6
10	21·7	21·5	21·3	21·1	20·9	21·1	21·3	21·6	21·3	20·9	20·5	20·2	20·5	21·0	21·6	21·6	20·7	19·8	19·5	18·6	20·9	23·2	22·8	21·5
11	21·1	21·3	21·1	21·0	20·9	21·1	21·4	21·8	21·2	20·8	20·5	20·3	20·4	21·1	21·8	21·9	20·2	19·5	19·0	19·2	21·1	23·2	23·6	22·2
12	21·9	21·7	21·5	21·4	21·1	21·3	22·0	22·4	21·6	21·3	20·8	20·6	20·5	21·6	22·8	23·0	21·1	20·3	19·3	18·9	21·6	25·6	25·6	23·5
13	22·4	21·6	21·6	21·4	21·1	21·4	21·7	22·0	22·2	21·6	20·7	20·3	20·2	21·5	22·3	22·4	21·1	19·7	18·4	18·4	20·8	22·2	21·7	20·7
14	22·2	21·8	21·5	21·2	21·0	21·2	21·7	22·1	21·8	21·0	20·4	20·3	20·3	21·1	22·3	22·3	20·3	19·1	18·7	18·6	20·9	24·6	24·6	22·6
15	22·0	21·9	21·4	21·1	20·7	20·8	21·2	21·6	21·8	21·1	20·3	20·0	19·9	20·7	21·6	21·6	20·8	19·0	17·9	17·9	20·1	23·1	23·1	21·3
16	21·7	21·3	21·1	20·9	20·8	20·9	21·1	21·5	20·9	20·7	20·3	20·0	20·0	20·8	21·4	21·5	19·7	19·3	18·8	18·6	20·3	23·0	22·7	21·3
17	21·7	21·2	21·1	20·8	20·8	20·8	21·1	21·4	21·1	20·7	20·3	20·1	20·1	20·6	21·3	21·3	20·3	19·5	18·9	18·8	20·4	22·6	22·8	21·4
18	21·5	21·2	20·7	20·6	20·2	20·6	20·9	21·2	20·8	20·3	19·6	19·4	19·2	20·3	21·2	21·3	19·6	18·5	17·4	17·4	19·1	20·3	23·0	21·4
19	21·3	21·0	20·8	20·5	20·3	20·5	20·7	21·0	20·9	20·3	19·8	19·4	19·4	20·0	20·8	21·1	20·1	18·6	17·9	17·9	19·4	22·0	22·3	21·2
20	21·3	20·8	20·7	20·6	20·5	20·6	21·2	21·6	20·6	20·3	20·0	19·7	19·8	20·8	21·8	21·9	20·5	19·4	18·7	18·6	21·3	24·4	24·2	22·3
21	21·7	21·4	21·0	20·7	20·5	20·6	20·9	21·2	21·4	20·8	20·2	19·7	19·7	20·3	21·2	21·4	20·7	19·4	18.2	18·3	19·7	22·5	23·0	21·6
22	21·3	21·1	20·9	20·5	20·2	20·4	20·9	21·6	21·1	20·4	20·0	19·4	19·3	20·4	21·9	22·2	20·9	18·7	17·9	17·2	20·7	24·0	25·1	23·2
23	21·8	21·6	21·3	20·8	20·6	20·8	21·5	22·0	21·7	21·1	20·5	19·9	19·9	21·0	22·3	22·4	21·1	19·7	18·6	18·0	21·1	25·0	25·1	23·0
24	22·1	21·7	21·3	21·2	21·0	21·2	21·5	21·9	21·8	21·2	20·6	20·3	20·2	21·3	22·2	22·2	21·2	20·1	19·0	18·6	20·6	21·8	24·2	22·7
25	21·9	21·9	21·5	21·5	21·3	21·5	21·8	22·1	21·7	21·4	20·9	20·8	20·7	21·6	22·3	22·4	21·0	20·7	19·9	19·8	21·2	24·6	24·4	22·7
26	21·9	21·9	21·5	21·2	21·1	21·1	21·4	21·5	21·7	21·2	20·7	20·5	20·5	20·8	21·3	21·3	20·7	19·8	19·2	19·0	20·6	22·0	22·0	20·8
27	21·6	21·3	20·8	20·5	20·2	20·5	20·9	21·2	20·8	20·2	19·6	19·2	19·2	20·5	21·3	21·4	19·5	18·5	17·2	17·2	19·4	23·5	23·1	21·5
28	20·8	21·0	20·9	20·6	20·4	20·5	20·9	21·2	20·4	20·4	19·9	19·6	19·6	20·4	21·2	21·3	20·6	19·0	18·1	18·0	20·9	22·9	22·9	21·4
29	21·4	21·0	20·8	20·7	20·5	20·6	21·1	21·4	21·0	20·4	20·0	19·7	19·7	20·6	21·4	21·4	20·2	19·0	18·3	18·4	20·3	23·3	23·1	21·4
30	21·2	21·1	20·9	20·7	20·5	20·6	20·9	21·1	20·9	20·4	20·1	19·7	19·7	20·4	21·1	21·1	20·0	19·2	18·5	18·2	19·7	22·6	22·2	20·9
31	21·2	20·8	20·6	20·4	20·2	20·3	20·6	21·0	20·9	20·2	19·7	19·5	19·5	20·1	20·9	20·7	19·6	18·8	18·3	18·2	20·3	22·0	21·6	20·2
Mean	21·75	21·48	21·21	20·99	20·80	20·95	21·33	21·69	21·35	20·84	20·35	20·04	20·04	20·90	21·74	21·79	20·40	19·40	18·62	18·49	20·65	23·28	23·41	21·84

§ Direct. † Retrograde.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of JULY 1916.

Station. / Day.	River System No. 1.						River Systems 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.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
July 1d		2·5	28·0	2·5	1·3	7·1	9·7	6·9	11·4	16·5	...	13·2	2·3	1·0	...	2·2
2		...	...	6·3	4·6	6·6	...	10·2	46·0	...	8·9	...	...	0·5	...	...
3		...	...	...	0·2	...	7·1	0·8	1·5	...	3·8	8·9	10·4	...	4·1	...
4		...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...
5		...	...	...	...	...	...	...	1·3	6·4	...	1·5	2·3	3·3	...	2·3
6		...	...	...	0·5	3·3	7·9	1·0	7·1	2·5	...	4·6	11·4	...	7·6	0·4
7		...	...	...	0·3	...	...	...	0·8	...	6·3	...	...	...	...	...
8		...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...
9		...	...	...	0·2	...	...	...	...	1·3	1·3	...	...	1·0	...	...
10		...	7·0	...	...	...	...	...	...	15·8	...	...	...	...	...	6·1
11		11·0	...	7·4	6·6	18·5	9·4	10·2	17·8	...	14·0	3·8	28·9	6·2	16·2	...
12		2·0	...	0·3	0·8	1·5	3·3	5·8	1·5	...	...	...	...	...	...	...
13		...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·3
14		...	...	...	...	...	...	...	0·5	...	...	...	...	1·0	2·5	...
15		...	...	...	0·5	...	1·5	...	1·8	...	...	2·5	1·3	...	...	...
16		...	...	...	...	0·8	...	2·0	4·1	...	...	...	1·0	...	...	...
17		...	...	...	...	...	2·3	...	0·5	...	...	...	...	...	...	...
18		...	...	...	...	...	...	...	...	5·8	...	...	...	...	...	...
19		...	...	...	0·5	...	0·8	...	0·2	1·3	...	...	...	...	...	...
20		2·1	...	1·8	1·5	...	0·8	...	2·3	...	...	2·6	...	...	...	...
21		...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·3
22		2·0	...	1·3	0·2	...	...	...	...	...	...	2·8	6·1	...	1·3	...
23		...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...
24		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25		...	...	...	...	...	...	...	...	2·0	...	...	...	...	...	...
26		...	...	...	...	...	...	0·5	1·0	...	...	2·5	...	3·0	...	...
27		...	...	...	...	...	...	...	0·5	...	...	...	4·1	1·0	1·3	...
28		...	...	0·3	...	...	...	...	1·5	...	...	...	4·1	...	...	...
29		1·1	1·5	...	0·5	...	2·0	8·1	2·8	...	...	1·8	5·6	...	...	...
30		...	1·0	...	2·3	4·1	...	...	3·6	5·1	...	...	6·6	...	...	...
31		2·4	...	2·5	1·5	1·0	6·3	...	3·0	1·0	...	...	6·9	5·6	2·8	...
Total ...	...	23·1	37·5	22·4	21·8	42·9	51·1	45·5	109·2	57·7	34·3	44·2	92·5	22·6	35·8	17·6

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH JULY of 1916.

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.	Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
July 1d	...	2·5	5·1	11·7	2·0	...	...			...	17·0	...	0·1	6·8		1·5
2	...	23·6	...	17·5	...	...	...			...	...	14·2	2·5	2·3		4·8
3	2·0	...	3·0	2·0	1·0	...	...			...	3·0	...	2·9	4·6		...
4	...	1·3	...	...	1·0	3·8	...			2·3	1·0	...	0·7	...		...
5	2·0	2·0	1·3	...	4·0	...	1·3			4·6	5·1	...	0·7	7·4		...
6	3·0	4·1	7·6	3·6	5·0	...	3·0			...	8·1	...	1·9	2·8		...
7	2·0	1·8	2·0	1·8	1·0	...	...			...	2·5	...	1·0	...		0·5
8	...	...	0·5	...	...	...	...			...	3·3	...	0·5	0·8		...
9	...	...	...	...	...	...	...			...	...	...	...	...		...
10	...	...	...	...	...	20·3	...			...	1·3	...	0·4	11·2		...
11	13·0	30·5	35·5	17·5	20·0	...	4·6			12.4	29·0	5·6	2·1	1·3		2·0
12	...	1·5	4·1	...	...	...	...			...	1·3	...	0·6	...		...
13	...	...	...	...	...	...	...			...	...	...	0·2	...		...
14	2·0	...	0·3	...	0·5	...	2·5			...	2·0	...	0·2	4·3		...
15	...	...	1·3	...	1·0	...	...			...	2·8	...	3·5	1·8		...
16	...	...	...	...	...	...	2·3			...	1·0	3·8	0·8	0·8		...
17	1·0	1·3	1·3	...	2·0	...	...			...	4·6	...	0·5	...		...
18	...	...	...	...	...	...	...			0·5	...	...	...	1·0		...
19	...	1·3	5·1	...	...	...	...			...	0·5	...	2·0	0·8		...
20	0·5	2·8	1·3	...	2·0	...	...			...	2·0	...	0·5	0·5		0·5
21	...	...	...	...	...	...	...			...	...	...	0·1	...		...
22	2·5	3·8	3·0	7·4	3·0	...	...			0·8	...	...	0·1	...		...
23	...	...	...	...	...	...	...			...	3·8	...	...	...		...
24	...	...	...	...	...	...	...			...	...	...	...	...		...
25	...	...	...	...	...	...	...			...	...	...	0·2	2·0		...
26	...	...	1·0	...	...	...	2·5			...	3·3	...	0·3	...		0·8
27	1·0	1·3	2·5	...	1·0	...	...			...	5·6	...	0·4	2·0		...
28	1·0	2·5	5·1	5·3	3·5	...	4·3			...	7·6	...	0·8	3·5		0·3
29	0·5	2·5	5·6	2·3	0·5	...	3·8			3·0	7·2	...	1·6	4·6		0·5
30	...	3·0	5·1	2·8	6·0	7·4	10·7			5·8	11·7	5·1	0·5	4·3		...
31	3·0	4·1	6·3	5·3	5·0	...	5·1			6·1	15·7	...	4·5	2·5		0·5
Total ...	33·5	89·9	97·0	77·2	58·5	31·5	40·1	...	...	35·5	139·4	28·7	29·6	65·3	...	11·4

Observations discontinued temporarily.

* Mill

§ Record not received.

TABLE XVI.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
JULY 1916.

Royal Alfred Observatory, Pamplemousses.

Hour Ending. \ Day.	1d.	2d.	3d.	6d.	7d.	8d.	10d.	11d.	15d.	19d.	21d.	29d.	30d.	31d.
	mm.	mm.	mm.	mm.	mm.	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	...	1·6	0·5	...	...	...	...	0·3	...	...	...	...	1·9	0·1
2	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...
3	...	...	...	0·2	0·1	...	...	0·1	...	...	...	...	...	...
4	...	...	...	0·1	...	...	...	...	...	...	...	...	...	0·1
5	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	0·3	...	...	...	...	0·3
7	...	...	...	...	...	...	...	2·3	...	...	...	0·5	...	0·2
8	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	1·4	...	...	...	...
10	...	...	...	...	...	...	...	...	0·5	0·1	...	...	...	...
11	...	...	...	...	...	...	...	...	...	0·2	0·3	...	...	0·4
Noon	...	...	...	...	...	...	...	...	0·3	...	0·4	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...
16	2·2	...	...	...	...	...	0·3	...	...	...	...	...	...	...
17	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...
18	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...
19	...	...	...	...	...	0·4	0·8	...	...	...	...	...	...	...
20	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...
21	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...
22	...	...	...	...	...	...	0·5	...	...	...	...	...	0·3	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Midnight	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...

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

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

TABLE XVII.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of JULY, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	1	Mare Sèche	20	1·66	42·2	41·7	10
	2	Union *	200	2·02	51·3	54·9	7
	3	St. Antoine	50	0·91	23·1	63·0	7
	4	Belmont...	50	1·23	31·2	77·5	5
	5	Poudre d'Or	20	1·05	26·7	79·2	5
	6	Poudre d'Or Hospital ...	10	0·80	20·3	70·4	4
	7	Mon Loisir (R) ...	300	2·41	61·2	77·7	8
	8	Mon Loisir S.E. ...	300	0·65	16·5	87·6	5
	9	Forbach	300	1·19	30·2	34·8	5
	10	Labourdonnais	290	1·48	37·5	58·7	4
	11	Beau Séjour	300	0·88	22·3	112·8	8
	12	Mont Piton	860	0 86	21·8	121·2	8
	13	Mon Choix	700	0·96	24·4	112·8	7
	14	Antoinette	640	1·25	31·7	99·3	7
	15	California	850	0·25	6·3	103·9	1
	16	Nouvelle Découverte ...	1,400	1·69	42·9	103·9	8
	17	Mon Songe	620	2·04	51·8	108·7	11
	18	La Grande Rosalie ...	643	0·75	19·0	104·1	4
	19	The Mount	325	1·59	40·4	83·8	6
	20	Botanic Gardens ...	325	0·86	21·8	79·0	16
	21	Beau Plan	195	0·72	18·3	64·5	6
	23	The Observatory ...	179	0·75	19·0	67·1	14
	23	Solitude...	175	0·90	22·9	36·3	2
	24	St. André	90	0·95	24·1	43·4	2
	25	Belle Vue Harel ...	350	2·02	51·3	51·0	3
	26	Mont Choisy	10	1·39	35·3	53·8	7
	27	Belle Vue Pilot * ...	...	1·15	29·2	...	8
	28	Rosalie *	...	0·93	23·6	...	5
	29	Constance *	...	0·88	22·4	...	5
	30	Belle Vue Maurel * ...	...	1·14	29·0	...	5
	31	Esperance (Trébuchet) *	...	1·15	29·2	...	5
	32	Schœnfeld *	...	0·20	5·1	...	1
	33	Industrie *	...	1·52	38·6	...	11
	34	St. François Estate † ...	...	...	...	...	...
	35	Réunion Estate * ...	...	0·96	24·4	...	7
	36	Souvenir *	...	0·30	7·6	...	4
	37	Mon Rocher *	...	0·47	11·9	...	4
	38	Bon Espoir §	...	...	..	...	...
	39	Ile d'Ambre *	...	1·76	44·8	...	16
	40	La Salette *	...	1·76	44·8	...	10
	41	Leclézio Mapou * ...	...	1·66	42·2	...	7
2 & 3	1	Union Régnard ...	600	2·52	64·0	117·3	18
	2	La Grande Retraite * ...	350	...	...	...	...
	3	Constance d'Arifat L.G.	100	1·79	45·5	98·3	9
	4	St. Julien Church ...	1,050	4·30	109·2	109·7	20
	5	Rich Fund *	600	2·01	51·1	...	11
	6	Constance (Manès) * ...	...	1·97	50·0	...	5
	7	Queen Victoria * ...	...	2·65	67·3	...	13
	8	Belle Mare *	...	2·80	71·0	...	6
	9	Beau Bois (Flacq) § ...	...	...	...	...	...
	10	Bel Etang (Lesur)* ...	...	1·49	37·8	...	9
	11	Bon Espoir §	...	...	...	...	...
	12	Belle Vue (Allendy) *...	...	2·27	57·7	...	10
4	1	Sans Souci	900	2·27	57·7	236·0	10
	2	Etoile	400	1·35	34·3	173·0	5
	3	Beau Champ	20	1·74	44·2	51·3	10
	4	Belle Rive *	400	3·28	83·3	...	12
	5	Olivia *	400	2·55	64·8	...	12
	6	Deep River *	350	2·48	63·0	...	8
	7	Unité *	...	3·21	81·5	...	12
	8	Belle Rose Estate * ...	...	2·17	55·1	...	10
	9	La Lucie Estate * ...	...	2·57	65·3	...	10
	10	La Lucie (Residence)*...	...	1·90	48·3	...	8
	11	Melrose *	...	1·91	48·5	...	4
	12	Bonne Veine *... ...	...	2·27	57·7	...	8
5	1	Rose Belle *	850	3·64	92·5	...	15
	2	Cent Gaulettes * ...	500	3·26	82·8	186·7	11
	3	St. Hubert *	400	3·67	93·2	...	10
	4	Riche-en-Eau	460	0·89	22·6	138·4	9
	5	Ferney	20	1·41	35·8	131·6	7
	6	Beau Vallon	60	0·69	17·6	88·1	6
	7	Union Vale	200	1·79	45·5	98·3	4
	8	Mon Désert (Carié) * ...	75	1·67	42·4	73·2	16
	9	Riche Bois	1,420	3·60	91·4	137·1	11
	10	Cluny *	1,000	2·82	71·6	226·6	9
	11	Virginia Estate * ...	...	2·07	52·6	...	10
	12	Eau Bleue *	...	4·16	105·7	...	23
	13	Union Park *	...	3·40	86·3	...	22
	14	Plaisance Estate * ..	...	1·02	25·9	...	8
	15	Sauveterre Estate * ...	...	2·42	61·5	...	17
	16	Deux Bras Estate * ...	...	2·55	64·8	...	8
6	1	Kanaka	2,000	5·30	134·6	228·0	19
	2	Tivoli	1,300	3·88	98·5	178·5	16
	3	La Flora *	1,050	3·82	97·0	...	20
	4	Britannia (No. 1) ...	730	3·54	89·9	166·1	17
	4a	Britannia (No. 2)* ...	600	2·30	58·4	...	18
	5	Gros Bois	500	2·87	72·9	145·3	19
	6	Savannah (Residence) ...	200	1·83	46·5	144·8	10
	7	Savannah (Mill) ...	200	2·06	52·3	132·3	10
	8	St. Aubin	300	1·32	33·5	117·8	13
	9	Union B.A.St.FélixS.E.§	90	...	...	...	...
	10	Beau Bois	350	2·30	58·5	159·0	17
	11	Labarracq (Resid.)* ...	250	3·04	77·2	...	11
	12	St. Avold *	900	3·39	86·1	...	13
	13	Terracine *	100	1·66	42·0	...	10
	14	Labarracq (Mill) * ...	250	2·74	69·6	...	11
	15	St. Felix Sugar Estate *.	...	2·49	63·2	...	10
	16	Bel Air *	...	1·67	42·4	...	13
	17	Chamouny *	...	2·12	53·8	...	4
	18	Union S.E. *	...	1·46	37·0	...	9
	19	Fontenelle *	...	1·70	43·0	...	7
	20	Combo *	...	1·38	35·1	...	6
	21	St. Felix (Wilson) * ...	...	1·47	37·3	...	7
	22	Joli Bois Estate * ...	...	2·60	66·0	...	9
7 8 & 9	1	Bel Ombre *	50	1·24	31·5	...	3
	2	Chamarel	400	1·58	40·1	128·3	10
	3	Beau Champ *	...	1·52	38·6	...	3
	4	Board *	...	1·25	31·7	...	2
	5	Ste. Marie *	...	1·32	33·5	...	3
	6	Médine Estate * ...	...	1·03	26·2	...	3
	7	Albion Estate * ...	...	1·00	25·4	...	1
	8	Anna Estate §	...	...	...	...	...
	9	Pierre Fond Estate * ...	...	0·00	00·0	...	0
10		No returns.					
11	1	Les Gorges §	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	2·35	59·7	197·9	17
	3	Mare aux Vacoas ...	1,850	5·49	139·4	254·2	23
	4	La Marie Filter Bed ...	1,700	2·03	51·6	148·3	16
	5	Réunion...	1,420	1·40	35·6	185·2	8
	6	Tamarin §	150	...	...	...	...
	7	Clarens§	150	...	...	...	...
	8	Les Salines (B.R.)§ ...	...	...	...	...	...
	9	Terrain Bonnefin † ...	...	5·78	146·8	...	23
	10	Chebel Estate §	...	...	...	...	...
12	1	The Manse	850	1·22	31·0	56·1	16
	2	The Bower	1,080	1·84	46·7	82·8	19
	3	Le Réduit (D. of A.) ...	1,000	1·16	29 6	71·6	27
	4	Alma	1,460	2·57	65·3	192·8	20
	5	Minissy *	1,150	0·84	21·3	...	1
	6	Bagatelle	1,250	1·46	37·1	124·5	18
	7	Highlands	1,300	1·85	47·0	84·6	13
	8	Trianon	950	1·74	44·2	110·2	10
	9	Salency	923	1·13	28·7	58·2	4
	10	Military Camp (1) ...	1,370	...	...	...	...
	11	La Ferme *	350	0·45	11·4	...	9
	12	Bon Air...	1,050	0·98	24·9	74·7	5
	13	Val Ory...	1,100	1·50	38·1	79·8	19
	14	Pieter Both Estate § ...	...	...	...	...	...
	15	Roslyn Cottage Estate §	...	...	...	...	...
	16	Agrément Estate § ...	...	...	...	...	...
	17	Circonstance Estate § ...	...	...	...	...	...
	18	Le Réduit Grounds * ...	...	1·04	26·4	...	9
	19	Stanley *	...	1·30	33·0	...	4
	20	Ebène *	...	0 80	20·3	...	5
	21	Mon Rêve *	...	0·53	13·5	...	5
	22	Béga *	...	0·33	8·4	...	2
	23	Bassin *...	...	0·24	6·1	...	3
	24	Hermitage *	...	2·82	71·6	...	14
	25	Côte d'Or *	...	1·41	35·8	...	8
	26	Mon Repos §	...	0·86	21·8	...	7
13	1	Salines (R.B.) § ...	10	...	...	...	...
	2	The Albion Dock ...	18	0·00	00·0	23·1	0
	3	Line Barracks§... ...	10	...	...	...	...

* Normals not available
† Parcelled out
† A station at Mare aux Vacoas Reservoir
(1) Discontinued temporarily.
‡ Casela
§ Record not received
4 a Bon Acceuil.

NEW SERIES (MONTHLY). VOL. II. PART 8. 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

AUGUST, 1916.

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

DIRECTOR.

Published by Authority of His Excellency the Governor.

MAURITIUS.

PRINTED AT THE GOVERNMENT PRESS.

1916.

ERRATA.

TABLE I. page (ii)—Mean Daily Range of Declination.

June bulletin *for* 44·5 *read* 4·45
July bulletin *for* 54·8 *read* 5·48

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of AUGUST 1916.

Month and Day. 1916.	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. Date, 1916.	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	″	
Aug. 1	9.46·9	·23221	·30662	4·4	13	30	Aug. 3	1452	5.51·7	6. 6·0	6.23·4	·44	5.40·8	6.24·2	7. 5·1	·38	
2	47·5	215	668	5·0	121	13	15	1453	0.52±	0.55±	1·4±	...	...	...	...	...	
3	46·7	197	671	5·8	48	21	25	1454	14.42±	15.15±	15.47±	·21	...	...	...	...	
4	47·2	211	671	4·8	23	29	28	1455	?	11.10·0	12.28·3	?	?	11.10·7	?	...	Record defective.
5	47·7	214	670	7·6	30	26											
6	47·3	193	674	4·8	75	12											
7	46·9	196	675	5·8	38	15											
8	47·4	196	676	5·6	37	12											
9	47·0	...	676	4·0	...	14											
10	47·6	200	674	7·2	24	19											
11	47·7	205	671	6·8	23	26											
12	47·5	212	669	8·0	21	38											
13	47·6	213	668	8·2	22	36											
14	47·3	211	668	4·6	49	26											
15	47·5	210	667	4·0	34	20											
16	47·4	214	663	6·2	25	31											
17	47·8	216	663	6·6	22	25											
18	47·9	223	661	8·4	33	31											
19	47·7	217	658	9·8	55	35											
20	47·6	...	663	5·8	...	23											
21	...	...	661	...	...	26											
22	...	...	663	...	...	8											
23	47·3	174	670	4·2	48	14											
24	47·5	178	666	5·8	45	16											
25	47·5	196	666	8·0	42	21											
26	47·7	204	666	6·0	29	17											
27	45·7	133	675	15·2	139	20											
28	47·4	157	675	7·4	30	25											
29	47·6	176	672	7·2	40	24											
30	47·4	189	666	9·6	36	41											
31	47·7	193	669	6·2	45	28											
Mean	9.47·38	·23199	·30668	6·66	42·5	23·3	...	...	...	...	...	...	...	...	...	...	...

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of AUGUST 1916.

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.	Dip (South). Day and Hour.	Dip (South). Observed Value.
d h m	° ′	d h m		d h m	° ′	d h m	° ′
Aug. 4. 8.43	9.47·2	Aug. 4. 9.30	·23225	Aug. 1. 9.51	52.52·9	Aug. 17. 9.10	52.52·6
13.47	9.47·2	12.51	·23216	14. 1	52.51·3	14. 8	52.51·7
14. [illegible]·47	9.45·5	14. 9. 2	·23207	4. 9. 2	52.53·5	21. 9.55	52.53·2
13.49	9.47·2	13. 0	·23242	13.58	52.51·7	13.38	52.52·7
22. 8.34	9.47·4	22. 9.36	·23234	8. 9.40	52.54·4	24. 9.15	52.55·0
13.49	9.48·0	12.52	·23209	14. 3	52.55·2	13.56	52.53·5
31. 8.43	9.48·9	31. 9.37	·23208	14. 8.54	52.52·5	29. 9·15	52.55·5
13·42	9.48·9	13. 3	·23190	14. 4	52.50·6	13·59	52.54·6

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

AUGUST 1916.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	47·5	47·5	47·5	47·5	47·5	47·7	49·1	48·3	47·9	47·9	47·7	47·9	47·7	47·4	47·6	47·4	Midnight
1h	47·5	47·5	47·3	47·3	47·5	47·7	48·7	47·9	47·9	47·9	47·5	47·7	47·7	47·4	47·6	47·4	1h
2	47·5	47·5	47·1	47·3	47·5	47·7	47·7	47·7	47·7	47·7	47·7	47·9	47·9	47·4	47·6	47·4	2
3	47·5	47·5	47·1	47·1	47·5	47·7	47·9	47·5	47·5	47·9	47·5	47·7	47·5	47·0	47·6	47·4	3
4	47·5	47·5	47·1	47·1	47·5	45·7	47·5	47·5	47·5	47·5	47·5	47·7	47·5	47·2	47·6	47·6	4
5	47·5	47·5	45·7	46·5	47·5	47·5	45·9	45·9	45·5	47·5	45·7	47·5	47·3	47·4	47·4	47·4	5
6	47·5	47·5	45·7	46·3	47·1	47·5	45·7	44·9	44·5	47·1	45·9	47·5	46·7	47·4	47·4	47·4	6
7	46·3	47·3	44·7	45·7	45·7	44·7	44·1	44·3	44·5	45·7	45·7	45·5	45·5	45·4	45·4	46·2	7
8	46·7	47·5	44·1	46·3	45·7	45·5	44·9	45·5	45·5	47·1	47·1	45·9	46·5	45·6	45·6	46·8	8
9	47·7	48·1	45·9	47·9	48·3	47·9	47·1	47·3	46·5	47·5	49·5	49·5	49·5	47·4	47·4	48·2	9
10	48·7	49·3	48·9	49·5	49·7	48·3	48·3	48·3	47·5	50·3	51·3	51·5	51·5	49·4	49·4	49·4	10
11	48·1	49·5	49·5	49·7	50·9	48·5	48·3	48·5	48·3	51·3	52·1	51·3	51·7	49·8	49·4	49·6	11
Noon	46·5	48·1	49·5	49·3	51·3	47·5	47·1	49·5	48·5	51·1	51·1	49·5	51·3	49·4	49·4	49·4	Noon
13h	44·9	46·1	45·7	47·5	50·9	45·5	45·5	49·9	48·1	48·5	49·1	47·1	48·9	47·6	48·8	48·8	13h
14	44·3	44·5	44·1	45·9	47·5	45·3	45·5	49·5	47·5	46·7	46·9	45·7	45·7	47·0	47·4	46·6	14
15	44·3	45·7	43·7	44·9	43·7	45·5	43·7	47·5	45·5	44·5	45·3	43·5	43·5	45·4	46·6	44·4	15
16	44·3	45·7	44·1	45·1	43·9	45·3	44·7	46·5	45·9	44·1	45·5	43·7	43·5	45·2	45·4	43·4	16
17	45·9	47·3	46·7	45·9	45·9	48·7	45·9	45·9	46·3	45·5	45·7	45·9	46·1	46·2	45·6	45·4	17
18	47·7	47·7	47·7	47·7	47·3	47·1	47·3	46·5	47·5	47·3	47·1	47·7	47·5	47·6	47·6	47·4	18
19	48·1	47·9	47·9	47·9	49·5	47·7	47·5	47·5	47·7	47·7	47·5	48·3	47·7	47·8	48·2	48·8	19
20	48·1	48·7	48·1	48·1	47·5	47·9	47·7	47·5	47·7	47·7	47·5	48·1	47·9	47·6	48·2	48·6	20
21	47·7	48·7	47·9	47·9	48·1	48·7	47·7	47·5	47·7	47·7	47·5	47·9	47·9	48·2	47·8	48·2	21
22	47·5	48·1	47·7	47·9	47·7	49·5	49·5	47·5	47·9	47·9	47·5	47·7	47·5	47·6	47·6	47·6	22
23	47·5	47·5	47·7	47·7	47·9	48·5	48·1	47·9	47·9	48·1	47·7	47·7	47·5	47·6	47·4	47·6	23

* Inferred.

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	9° +																
	′	′	′	′		′	′	′	′	′	′	′	′	′	′	′	
Midnight	47·4	47·6	47·6	48·8	...	...	48·4	48·2	47·5	48·3	47·5	48·7	47·7	47·5	47·7	47·8	Midnight
1h	47·4	47·6	47·6	48·4	...	...	48·4	47·8	47·5	48·5	47·3	47·3	47·5	47·3	47·7	47·7	1h
2	47·4	47·4	47·4	47·4	...	...	48·8	50·4	47·7	47·9	46·9	47·3	47·3	47·5	47·3	47·7	2
3	47·4	47·6	47·4	48·0	...	...	47·6	47·4	47·7	47·5	48·9	47·1	47·3	47·3	47·5	47·5	3
4	47·4	47·4	47·4	49·0	...	...	47·6	49·0	47·5	47·3	47·3	46·5	47·3	47·3	47·5	47·4	4
5	47·4	47·4	47·4	49·4	...	...	47·4	49·2	47·3	47·3	42·9	46·7	47·1	47·5	48·1	47·1	5
6	46·8	47·2	47·2	47·6	...	...	45·6	47·8	47·3	47·3	41·5	45·3	46·1	47·3	47·5	46·6	6
7	45·6	46·0	46·2	45·4	...	...	45·6	47·0	45·9	46·1	41·1	43·5	43·3	45·9	46·5	45·3	7
8	46·2	47·2	47·4	46·4	...	...	45·8	45·6	47·1	46·1	33·7	45·3	43·3	46·7	47·3	45·7	8
9	49·2	49·4	49·4	46·0	...	...	47·2	47·6	48·7	48·1	39·3	47·5	47·3	49·1	49·3	47·7	9
10	50·4	51·0	51·6	49·4	...	...	48·2	49·0	50·3	49·3	42·7	49·5	49·3	50·9	49·7	49·4	10
11	51·2	52·0	52·2	49·6	...	...	49·6	49·4	51·3	49·7	45·5	50·9	50·3	50·9	50·7	50·0	11
Noon	50·0	51·4	51·6	50·0	...	...	49·4	48·2	50·5	50·7	47·9	49·9	50·5	49·5	50·1	49·6	Noon
13h	49·6	49·4	49·6	49·4	...	...	47·6	47·4	49·3	50·9	48·5	49·5	49·3	48·1	49·3	48·3	13h
14	48·2	48·2	47·0	46·4	...	...	45·6	46·2	47·3	49·7	48·1	49·7	49·3	44·7	47·9	46·8	14
15	45·6	44·6	43·4	44·4	...	...	45·4	45·4	43·5	46·1	47·3	47·5	46·5	41·3	44·5	44·9	15
16	44·6	43·6	42·4	44·2	...	...	45·4	44·6	43·3	44·9	47·3	45·5	46·1	42·7	44·7	44·7	16
17	45·4	45·8	43·4	45·6	...	...	45·6	45·2	45·3	45·1	47·5	45·5	47·1	45·5	45·5	45·9	17
18	47·4	47·6	46·6	46·8	...	47·4	46·6	46·8	47·3	47·3	47·7	47·3	47·5	47·5	47·3	47·3	18
19	48·6	48·6	47·8	47·4	...	47·6	47·4	47·4	47·5	47·5	47·7	47·5	48·5	48·5	47·7	47·9	19
20	48·8	48·8	48·0	48·0	...	48·0	47·6	47·4	47·5	47·7	47·7	47·7	48·7	48·3	48·1	48·0	20
21	48·6	48·6	47·8	47·8	...	48·8	49·2	47·4	47·7	47·5	47·7	47·7	49·1	48·7	48·3	48·0	21
22	48·4	48·2	49·4	48·4	...	48·4	47·0	47·6	47·7	47·5	47·5	47·5	48·5	48·5	47·9	48·0	22
23	47·8	47·8	49·4	48·2	...	47·4	48·0	47·6	47·9	47·7	47·3	47·5	48·3	48·5	47·7	47·9	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

AUGUST 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	216	226	168	197	210	197	178	194	...*	201	193	214	207	209	199	207	Midnight
1h	216	233	169	199	217	203	191	203	...	197	201	207	206	211	202	208	1h
2	216	232	177	202	224	200	186	199	..	197	200	197	208	212	206	208	2
3	216	234	186	205	217	202	188	198	...	202	198	217	210	226	208	212	3
4	216	236	187	206	216	218	194	198	...	200	199	215	216	226	209	214	4
5	217	242	194	209	222	208	200	204	...	204	206	216	217	221	214	217	5
6	220	243	197	213	216	213	206	216	...	210	207	216	222	222	217	218	6
7	225	244	198	215	218	219	196	215	...	209	214	217	226	222	225	218	7
8	227	260	198	215	221	224	212	205	...	209	216	225	226	226	227	217	8
9	228	272	197	218	218	215	216	203	...	212	213	218	220	226	226	221	9
10	222	276	202	220	208	197	216	201	...	207	206	216	217	217	224	224	10
11	221	272	207	216	207	205	205	199	...	197	194	216	216	223	228	218	11
Noon	225	270	207	216	225	193	197	197	...	204	202	214	217	229	226	217	Noon
13h	227	230	216	218	216	188	206	195	...	206	216	213	207	228	212	218	13h
14	225	182	213	216	216	188	199	193	...	203	215	214	212	226	205	218	14
15	225	178	210	215	225	196	204	191	...	195	206	219	218	219	195	199	15
16	219	177	206	207	226	186	196	189	...	196	197	217	217	208	194	208	16
17	215	164	192	206	215	156	189	187	...	188	197	207	208	194	198	208	17
18	216	155	196	206	203	149	188	185	...	197	197	204	209	183	203	212	18
19	219	166	197	206	204	169	187	183	197	197	202	207	208	181	205	213	19
20	218	177	197	206	204	169	187	181	198	197	203	207	205	180	206	213	20
21	220	169	197	207	203	171	189	179	205	196	206	207	205	191	206	211	21
22	222	172	197	212	205	185	189	195	197	195	211	207	204	195	205	212	22
23	225	171	197	216	196	184	185	193	208	195	216	208	207	198	205	211	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	213	211	219	183	...*	...*	184	168	178	195	230	140	168	172	179	195·3	Midnight
1h	212	215	218	190	...	...	165	175	183	193	215	148	169	185	184	197·2	1h
2	216	218	217	208	...	...	157	184	182	193	205	142	178	188	190	197·6	2
3	217	218	219	206	...	...	169	203	184	195	186	150	178	188	196	200·1	3
4	218	218	219	204	...	...	168	176	185	196	186	153	171	187	198	200·1	4
5	219	218	224	220	...	...	166	177	185	200	163	153	176	186	197	202·0	5
6	224	222	227	211	...	...	177	170	187	206	150	161	178	188	199	204·6	6
7	227	229	236	216	...	...	192	177	195	208	135	165	179	190	210	207·6	7
8	226	229	234	220	...	...	194	184	202	214	131	169	183	195	217	210·6	8
9	226	231	235	230	...	...	203	186	205	218	101	170	188	189	208	209·7	9
10	227	228	236	221	...	...	204	186	211	218	092	161	192	198	208	207·9	10
11	218	228	233	202	...	...	194	185	217	213	099	161	188	190	207	205·8	11
Noon	217	232	229	202	...	...	177	194	220	216	092	151	188	188	207	205·6	Noon
13h	215	242	226	201	...	...	171	190	214	210	091	155	180	188	191	202·6	13h
14	215	244	220	202	...	...	175	183	205	205	097	152	172	197	189	199·2	14
15	205	228	219	207	...	...	167	169	197	195	101	140	169	208	189	195·6	15
16	206	223	213	183	...	...	164	158	196	189	109	147	176	205	172	192·6	16
17	208	218	200	190	...	...	162	160	194	195	111	150	177	188	178	187·6	17
18	209	218	200	*	...	194	160	164	193	202	116	159	178	188	180	187·8	18
19	214	217	207	...	...	193	156	166	193	212	120	160	169	185	184	189·9	19
20	215	216	208	...	...	191	166	181	193	207	121	166	152	185	185	190·6	20
21	213	215	200	...	...	183	175	173	195	201	123	164	170	180	188	190·9	21
22	212	215	200	...	...	189	174	174	195	191	129	165	168	175	190	192·4	22
23	209	217	181	...	...	204	165	175	195	205	127	166	168	179	189	192·0	23

* Record defective.

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

AUGUST 1916.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	668	669	676	676	674	676	679	677	679	675	674	672	672	671	672	670	Midnight
1h	668	668	676	676	674	676	677	676	679	676	674	672	671	669	671	669	1h
2	668	667	675	676	674	675	677	676	679	676	674	673	671	669	670	668	2
3	666	666	674	675	672	675	677	676	680	676	674	671	670	669	669	668	3
4	666	666	674	674	673	673	677	676	678	676	674	672	670	667	669	667	4
5	666	666	673	673	672	674	675	676	678	676	675	672	670	669	669	667	5
6	667	666	673	673	671	674	675	676	679	676	674	673	671	669	669	667	6
7	666	665	671	673	670	671	672	675	678	678	675	673	671	669	667	666	7
8	668	666	671	675	672	673	675	676	678	681	676	675	675	671	669	668	8
9	669	667	676	679	677	677	678	678	680	680	678	680	680	675	672	671	9
10	668	667	679	681	679	677	682	682	680	678	680	684	683	677	674	671	10
11	663	666	676	678	677	673	681	682	680	674	680	680	673	673	673	670	11
Noon	655	663	669	671	669	669	673	681	676	667	670	669	667	666	667	666	Noon
13h	643	661	661	661	661	666	667	676	670	662	657	657	657	656	661	663	13h
14	639	662	659	653	656	666	669	673	669	662	654	647	648	652	659	653	14
15	644	664	658	652	653	666	667	670	666	665	657	646	647	651	655	642	15
16	654	665	661	658	655	666	670	670	669	670	661	652	651	656	654	640	16
17	660	669	667	665	664	676	675	673	675	675	667	662	662	663	659	650	17
18	664	671	671	670	668	677	675	678	679	676	671	670	669	669	666	659	18
19	665	673	673	671	673	678	675	677	678	676	674	673	671	671	668	662	19
20	665	673	674	672	669	676	676	676	678	676	674	672	673	672	669	664	20
21	667	673	674	673	672	676	675	676	676	676	673	673	673	673	670	665	21
22	666	674	674	673	673	678	677	676	677	676	673	673	673	672	671	665	22
23	665	673	674	673	674	676	676	676	676	675	673	673	672	672	671	666	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	667	665	664	666	665	662	669	670	669	669	666	679	674	673	672	671·3	Midnight
1h	666	665	664	666	664	663	670	668	669	668	664	676	673	671	671	670·6	1h
2	666	664	664	666	665	662	670	671	669	668	665	674	671	671	670	670·5	2
3	665	664	663	663	664	662	671	667	668	668	670	674	671	671	669	669·9	3
4	665	663	663	664	663	661	670	669	669	668	668	674	671	671	669	669·7	4
5	665	663	662	664	663	661	670	669	669	668	666	675	672	671	670	669·6	5
6	665	663	662	662	662	661	669	669	669	668	668	674	671	671	669	669·5	6
7	664	662	662	659	661	660	668	668	668	668	668	675	671	671	669	668·8	7
8	667	665	664	662	666	663	669	669	670	669	670	679	674	673	674	671·1	8
9	672	669	668	667	670	666	674	671	672	671	679	684	681	676	679	674·7	9
10	672	669	669	672	670	666	677	671	672	671	684	686	682	675	679	676·0	10
11	671	670	660	672	665	666	674	667	668	668	684	684	681	669	675	673·3	11
Noon	665	663	651	670	661	665	671	660	661	667	683	681	676	663	671	667·9	Noon
13h	658	658	646	667	657	666	670	657	655	662	683	677	668	651	670	662·1	13h
14	653	648	640	662	650	664	666	655	653	660	683	669	663	637	663	657·6	14
15	647	639	635	651	644	658	663	655	651	657	678	665	658	635	651	654·5	15
16	650	645	634	649	649	658	665	655	654	654	676	661	660	650	653	656·9	16
17	655	652	645	658	656	663	666	660	663	655	676	663	666	662	661	663·3	17
18	661	659	656	662	661	666	669	666	669	663	678	670	669	669	667	668·3	18
19	663	659	659	663	661	666	671	668	670	666	679	674	671	671	669	669·9	19
20	665	661	660	664	663	666	671	669	670	666	679	674	673	671	671	670·4	20
21	665	662	662	664	662	666	672	669	670	667	679	674	675	673	671	670·8	21
22	666	663	666	664	664	666	668	670	669	668	679	674	674	673	672	671·2	22
23	666	663	667	665	662	664	671	669	669	668	677	674	674	673	672	670·9	23

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) 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. (Centigrade). Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity. Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
Aug. 1	1017·4	+ 3·6	22·2	16·8	5·4	19·0	−0·8	15·9	13·4	− 1·6	70	− 5	15·2	14·8	0·6	15	3·6	8·5
2	1016·5	+ 2·7	22·8	17·1	5·7	19·3	−0·5	15·6	12·6	− 2·4	65	−10	14·5	13·9	0·4	15	3·7	7·7
3	1015·5	+ 1·7	23·3	17·0	6·3	19·4	−0·4	17·3	15·6	+ 0·6	79	+ 5	17·6	14·8	3·7	70	3·8	7·0
4	1015·7	+ 1·9	23·8	17·3	6·5	19·9	+0·1	16·9	14·5	− 0·5	71	− 3	16·4	14·1	1·1	25	3·9	8·0
5	1016·0	+ 2·2	24·1	17·0	7·1	20·0	+0·2	16·8	14·3	− 0·7	70	− 4	16·2	14·6	0·9	35	3·8	8·6
6	1014·4	+ 0·6	23·8	16·5	7·3	19·8	0·0	16·8	14·4	− 0·6	71	− 3	16·3	12·7	0·5	25	4·9	5·7
7	1013·4	− 0·4	23·1	14·7	8·4	19·1	−0·7	15·1	11·9	− 3·1	63	−11	13·8	10·1	0·0	...	4·0	4·9
8	1013·4	− 0·4	22·0	17·8	4·2	19·6	−0·2	15·8	12·7	− 2·2	65	− 9	14·6	15·6	0·0	...	2·7	9·5
9	1013·4	− 0·4	24·5	15·7	8·8	19·4	−0·5	16·2	13·6	− 1·3	69	− 5	15·4	12·1	0·0	...	4·0	6·8
10	1013·4	− 0·4	23·9	15·5	8·4	19·1	−0·8	16·7	14·8	− 0·1	76	+ 2	16·7	11·8	4·0	70	2·5	7·7
11	1013·6	− 0·2	23·7	13·6	10·1	17·9	−2·0	15·4	13·3	− 1·6	74	0	15·1	9·8	0·0	...	2·5	3·6
12	1014·6	+ 0·7	23·2	12·3	10·9	17·8	−2·1	15·7	14·0	− 0·9	78	+ 4	15·8	8·9	0·6	15	1·8	4·4
13	1015·9	+ 2·0	22·9	17·8	5·1	19·8	−0·1	16·9	14·6	− 0·3	72	− 2	16·5	15·3	0·4	25	4·8	5·4
14	1014·9	+ 1·0	23·7	16·9	6·8	19·8	−0·1	17·3	15·3	+ 0·4	75	+ 1	17·2	10·7	0·2	5	4·0	4·6
15	1013·4	− 0·5	23·3	15·7	7·6	19·4	−0·6	17·5	16·0	+ 1·0	81	+ 7	18·0	11·4	0·2	5	2·2	8·9
16	1011·9	− 2·0	24·3	16·4	7·9	20·0	0·0	17·7	15·9	+ 0·9	77	+ 3	17·9	14·6	0·0	...	2·3	8·0
17	1009·1	− 4·9	25·2	15·0	10·2	20·0	0·0	17·8	16·1	+ 1·1	78	+ 4	18·1	11·8	0·0	...	3·4	3·9
18	1008·2	− 5·8	24·9	16·7	8·2	20·8	+0·8	18·6	16·9	+ 1·9	78	+ 4	19·0	13·4	0·0	...	4·4	4·0
19	1010·8	− 3·2	25·8	17·7	8·1	21·3	+1·3	19·3	17·8	+ 2·8	80	+ 7	20·2	15·1	2·9	50	4·4	6·4
20	1011·8	− 2·3	25·0	19·6	5·4	21·7	+1·6	20·1	18·9	+ 3·9	84	+11	21·6	18·1	0·0	...	3·5	7·2
21	1009·5	− 4·6	24·9	17·6	7·3	21·4	+1·3	19·7	18·4	+ 3·4	83	+10	21·0	15·2	3·9	75	2·5	7·1
22	1008·2	− 5·9	24·8	15·5	9·3	19·4	−0·7	17·7	16·3	+ 1·3	83	+10	18·4	12·4	2·3	65	3·1	4·4
23	1008·4	− 5·7	24·3	15·1	9·2	19·7	−0·4	17·9	16·4	+ 1·4	81	+ 8	18·5	12·2	0·3	10	3·3	5·2
24	1009·6	− 4·5	24·8	14·8	10·0	19·5	−0·7	16·7	14·4	− 0·6	73	0	16·3	11·9	0·0	...	3·0	2·0
25	1011·1	− 3·0	24·0	14·7	9·3	19·9	−0·3	17·4	15·4	+ 0·4	75	+ 2	17·3	11·7	0·0	...	3·4	4·0
26	1011·7	− 2·4	25·3	17·2	8·1	20·9	+0·7	18·6	16·8	+ 1·8	77	+ 4	18·9	14·0	1·8	45	4·1	5·6
27	1012·3	− 1·8	25·5	18·5	7·0	21·4	+1·2	19·0	17·2	+ 2·1	77	+ 4	19·4	16·0	0·0	...	3·8	3·6
28	1013·7	− 0·4	24·9	16·9	8·0	20·2	−0·1	17·8	15·9	+ 0·8	76	+ 3	17·9	13·9	0·0	...	3·6	4·9
29	1015·5	+ 1·4	22·8	18·4	4·4	20·0	−0·3	16·3	13·4	− 1·7	65	− 8	15·2	16·6	0·0	...	5·5	3·1
30	1015·9	+ 1·8	22·5	16·7	5·8	19·3	−1·0	15·4	12·2	− 2·9	63	−10	14·1	15·2	1·4	20	5·7	5·3
31	1016·1	+ 2·0	23·2	17·0	6·2	19·2	−1·1	15·9	13·2	− 1·9	68	− 5	15·0	15·2	2·7	50	4·7	5·9
Mean	1013·1	− 0·9	24·0	16·4	7·6	19·8	−0·2	17·1	15·0	0·0	74·1	+0·5	17·0	13·5	Sum 27·9	Sum 620	3·6	5·9
Average	1014·0	...	24·1	16·4	7·7	20·0	...	17·2	15·0	...	73·6	...	16·9	13·1	59·8	1461	4·0	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 August.

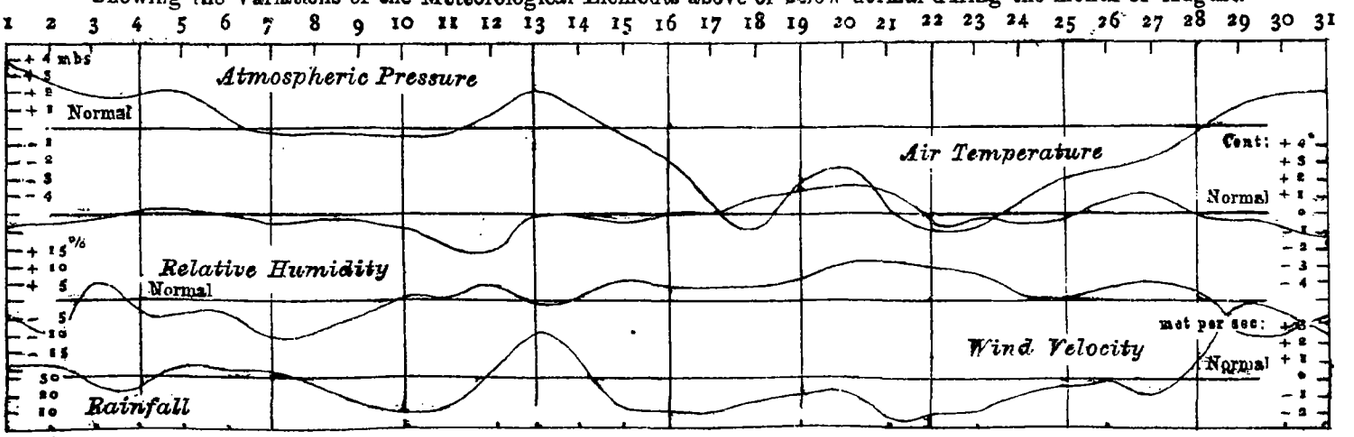

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1916.

Month and Day. 1916.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. 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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
Aug. 1	4·9	44	− 2·5	+ 4·0	58	4·7	− 7	+ 1·2	4·8	+ 0·9	25·2	24·1	20·42	19·76	19·29	c.p. : c.q. : c.p.
2	5·8	52	− 1·8	+ 4·1	66	4·5	+ 1	+ 1·0	4·5	+ 0·6	25·3	24·1	20·45	20·01	19·88	c.p.: o.g: c.q. : c.p.
3	4·5	40	− 0·3	+ 3·1	84	3·1	+ 19	− 0·4	3·3	− 0·6	25·2	24·1	20·67	20·42	20·45	c.g.p. : c. : f.
4	7·0	62	− 1·3	+ 3·0	67	3·3	+ 2	− 0·2	3·4	− 0·5	25·2	24·0	20·94	20·70	20·73	c.p.: o. : c. : o.g.
5	5·6	50	− 2·8	+ 3·5	51	4·5	− 14	+ 1·0	4·6	+ 0·7	25·2	23·9	21·22	20·98	21·05	o.g.p. : c. : c.p.
6	10·4	93	− 2·5	+ 3·4	54	4·2	− 11	+ 0·7	4·3	+ 0·4	25·2	23·9	21·37	21·16	21·23	c.p. : f. : f.q. : c.p.
7	10·6	94	− 2·3	+ 3·6	57	4·3	− 8	+ 0·8	4·4	+ 0·5	25·2	23·9	21·34	20·97	20·74	b. : f. : c.
8	0·5	4	− 0·6	+ 3·2	79	3·3	+ 14	− 0·2	3·5	− 0·4	25·2	23·9	21·23	20·78	20·58	o.
9	4·2	37	− 0·2	+ 2·1	85	2·1	+ 19	− 1·4	2·5	− 1·4	25·2	23·8	21·21	20·89	20·99	c. : o. : c. f. : b.
10	5·0	44	− 0·7	+ 1·0	55	1·2	− 11	− 2·3	2·0	− 1·9	25·2	23·8	21·39	21·16	21·13	o.p.: c.: f. : c. : o.g. : c.
11	6·4	57	− 1·2	+ 1·3	47	1·8	− 19	− 1·7	2·3	− 1·6	25·1	23·8	21·17	20·72	20·27	f. : b. : f. : c. : b.
12	8·4	74	− 2·1	+ 3·5	59	4·1	− 7	+ 0·6	4·2	+ 0·3	25·2	23·8	20·78	20·21	19·68	b. : c.p: f. :c.p.
13	8·9	79	− 3·2	+ 5·5	60	6·3	− 6	+ 2·8	6·5	+ 2·6	25·1	23·8	20·93	20·62	20·44	c.q.p. : f.q.
14	9·0	79	− 1·3	+ 4·7	75	4·9	+ 9	+ 1·4	5·0	+ 1·1	25·1	23·8	21·15	20·90	21·16	f.q. :cqp:f.q.: f. : c.p.
15	1·2	11	− 0·7	+ 2·0	71	2·1	+ 5	− 1·4	2·3	− 1·6	25·1	23·8	21·42	21·10	21·08	c. :o.p.: c.
16	2·5	22	− 0·9	+ 1·6	61	1·9	− 5	− 1·6	2·0	− 1·9	25·1	23·7	21·59	21·45	21·62	o. : c. : f.
17	10·0	88	+ 0·7	+ 0·8	131	1·0	+ 65	− 2·5	1·9	− 2·0	25·1	23·7	21·68	21·50	21·68	f.
18	10·2	90	+ 0·5	+ 2·5	101	2·6	+ 35	− 0·9	2·7	− 1·2	25·0	23·8	22·20	22·16	22·71	c. : f. : b.
19	7·1	62	+ 0·1	+ 2·9	92	2·9	+ 25	− 0·6	3·1	− 0·8	25·1	23·8	22·56	22·50	22·90	b. : c. : c.p.
20	7·8	68	+ 0·7	+ 2·9	104	3·0	+ 37	− 0·5	3·1	− 0·8	25·1	23·7	22·92	22·96	23·35	c. : f.
21	5·4	47	− 0·3	+ 1·0	73	1·1	+ 6	− 2·4	1·8	− 2·1	25·0	23·7	23·08	22·99	23·28	c. : f. : c. : c.p
22	6·1	53	− 0·2	+ 0·8	76	0·8	+ 9	− 2·7	2·0	− 1·9	25·1	23·7	22·86	22·63	22·51	f. : c.p. : f.
23	8·0	70	− 0·6	+ 0·7	49	0·9	− 18	− 2·6	2·0	− 1·9	25·1	23·7	22·49	22·26	22·19	f. :c.g.p. : f.
24	8·3	72	− 2·4	+ 1·9	38	3·0	− 29	− 0·5	3·2	− 0·7	25·1	23·7	22·44	22·03	21·71	b. : f. : b.
25	7·4	64	− 1·2	+ 2·8	67	3·0	0	− 0·5	3·4	− 0·5	25·0	23·6	22·05	21·60	21·21	b : c. : f.
26	9·7	84	− 0·7	+ 3·8	80	3·9	+ 12	+ 0·4	3·9	0·0	25·0	23·7	21·93	21·79	21·81	f. : c.p.
27	10·7	92	+ 0·2	+ 2·6	94	2·6	+ 26	− 0·9	2·9	− 1·0	25·0	23·7	22·50	22·39	22·68	f. : b.
28	5·8	50	− 3·1	+ 3·4	48	4·6	− 20	+ 1·1	4·6	+ 0·7	25·0	23·7	22·65	22·42	22·31	f. : c. :c.q: f.q.
29	10·8	93	− 4·9	+ 6·5	53	8·1	− 15	+ 4·7	8·2	+ 4·3	25·0	23·7	22·31	22·04	22·04	f.q.
30	8·4	72	− 3·9	+ 6·2	58	7·3	− 10	+ 3·9	7·4	+ 3·5	24·9	23·7	22·11	21·64	21·20	f.q.: c.g.p. : f.q.
31	7·2	62	− 3·0	+ 5·8	63	6·5	− 5	+ 3·1	6·6	+ 2·7	25·0	23·7	21·76	21·32	20·90	f.q.· c.p.q. : f.q. :cqp: f.q.
Mean -	7·03	61·6	− 1·37	+ 3·04	65·7	3·33	− 0·7	−0·16	3·76	−0·14	25·11	23·80	21·70	21·42	21·38	...
Average	7·69	67·8	− 1·40	+ 3·20	66·4	3·49	...	...	3·90	...	24·84	23·83	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Although the mean values of all elements, with the exception of rainfall, were practically normal the weather of the month was markedly abnormal.

A southern anticyclonic system passed over the meridian of Mauritius on the 13th ; the low pressure area which generally follows was unusually accentuated, and is reported to have passed the 50th meridian on the night of the 16th and 17th, or from 36 to 48 hours before it was felt at Mauritius. This was again followed by an intensified anticyclonic area which gave rise to the high wind velocities recorded at the end of the month.

The meteorological conditions have been generally unfavourable for the ripening cane crops.

Temperature was variable : on the 11th and 12th, the mean recorded was 2°.0 C below normal ; from the 18th to the 21st and again on the 26th and 27th mean temperatures of from 1°.0 to 1°.6 Centigrade above normal occurred.

The rainfall has been short and irregularly distributed geographically.

The highest dew point temperature was 20°·2 on the 20th ; and the lowest 9°·6 on the 2nd.

The highest relative humidity was 97·5 % on the 20th & 21st ; and the lowest 48·4 % on the 7th.

Rainfall at the Observatory was 53% below normal. The percentage variation of rainfall from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	28 % below
Eastern Districts	„ „ 2, 3, 4.	Normal
South-Eastern Districts	„ „ 5 & 6	23 % below

Western Districts	River System 11	7 % above
	„ „ 12	4 % below
	„ „ 13	No rainfall (September 15, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is* 181 *feet above mean sea-level.*)

AUGUST 1916.

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	0181	0174	0164	0159	0166	0154	0140	0134	0135	0141	0144	0146	0164	0167	0144	0134	Midnight
1h	0180	0175	0161	0157	0164	0148	0140	0134	0133	0140	0141	0145	0164	0163	0143	0130	1h
2	0177	0173	0154	0154	0159	0145	0136	0132	0130	0133	0136	0144	0161	0157	0139	0125	2
3	0173	0168	0152	0151	0153	0145	0133	0130	0127	0129	0132	0142	0148	0153	0133	0120	3
4	0172	0165	0151	0145	0152	0145	0133	0129	0127	0125	0126	0142	0143	0149	0133	0117	4
5	0171	0165	0150	0143	0152	0147	0133	0131	0129	0129	0129	0141	0143	0147	0133	0118	5
6	0172	0167	0154	0150	0154	0149	0138	0134	0133	0134	0134	0144	0147	0151	0135	0121	8
7	0175	0174	0157	0154	0160	0150	0144	0135	0136	0134	0135	0146	0154	0156	0136	0124	7
8	0183	0176	0164	0163	0164	0153	0147	0143	0145	0137	0142	0153	0160	0160	0140	0131	8
9	0185	0178	0165	0165	0165	0155	0146	0147	0146	0144	0145	0155	0165	0165	0147	0133	9
10	0185	0177	0165	0166	0167	0155	0149	0150	0147	0141	0145	0160	0168	0165	0149	0131	10
11	0184	0174	0161	0164	0164	0149	0144	0144	0144	0133	0143	0151	0166	0157	0144	0124	11
Noon	0184	0164	0155	0161	0160	0144	0140	0138	0136	0125	0137	0141	0164	0150	0137	0118	Noon
13h	0179	0158	0150	0154	0150	0141	0132	0131	0130	0123	0127	0134	0157	0144	0130	0114	13h
14	0170	0153	0143	0146	0144	0134	0124	0123	0123	0120	0123	0130	0153	0135	0124	0106	14
15	0163	0153	0142	0144	0144	0128	0120	0119	0118	0118	0120	0128	0151	0133	0120	0104	15
16	0160	0152	0144	0145	0155	0124	0118	0120	0119	0121	0118	0130	0153	0133	0121	0105	16
17	0161	0154	0150	0154	0164	0130	0120	0123	0124	0129	0122	0135	0154	0136	0123	0110	17
18	0164	0157	0151	0155	0166	0133	0122	0125	0125	0131	0129	0140	0157	0141	0124	0111	18
19	0166	0160	0155	0161	0170	0142	0124	0134	0131	0135	0140	0144	0164	0143	0126	0114	19
20	0173	0163	0162	0165	0172	0145	0132	0137	0137	0144	0145	0155	0169	0146	0135	0119	20
21	0175	0165	0156	0167	0171	0146	0135	0140	0141	0145	0147	0157	0172	0149	0136	0119	21
22	0175	0165	0157	0167	0166	0145	0135	0140	0143	0146	0149	0165	0171	0151	0136	0121	22
23	0176	0166	0161	0169	0165	0145	0135	0137	0142	0145	0151	0167	0170	0147	0135	0120	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	0117	0089	0102	0128	0112	0091	0082	0101	0111	0122	0122	0138	0152	0161	0172	0137	Midnight
1h	0112	0083	0102	0125	0109	0087	0081	0096	0105	0119	0122	0135	0150	0158	0163	0134	1h
2	0107	0082	0099	0122	0102	0082	0081	0092	0103	0118	0116	0133	0147	0153	0162	0131	2
3	0102	0075	0098	0120	0100	0081	0078	0091	0101	0113	0112	0132	0143	0151	0157	0127	3
4	0099	0074	0093	0119	0096	0081	0076	0087	0101	0112	0112	0131	0144	0148	0157	0125	4
5	0094	0075	0093	0118	0094	0081	0075	0086	0102	0107	0112	0131	0148	0153	0162	0126	5
6	0098	0078	0095	0119	0098	0082	0079	0092	0106	0112	0119	0132	0152	0162	0165	0129	6
7	0103	0083	0100	0124	0101	0087	0082	0095	0114	0121	0123	0143	0163	0164	0175	0134	7
8	0104	0083	0103	0129	0104	0092	0084	0102	0119	0124	0129	0143	0168	0173	0179	0139	8
9	0107	0084	0114	0132	0108	0094	0093	0104	0121	0132	0133	0144	0173	0173	0182	0142	9
10	0104	0087	0114	0133	0109	0093	0093	0106	0123	0130	0133	0146	0173	0173	0176	0142	10
11	0096	0084	0113	0124	0103	0089	0098	0103	0119	0124	0129	0143	0170	0168	0168	0138	11
Noon	0083	0076	0106	0119	0095	0083	0083	0100	0115	0121	0123	0139	0163	0164	0166	0132	Noon
13h	0076	0072	0102	0112	0088	0078	0078	0092	0108	0112	0118	0131	0155	0152	0154	0125	13h
14	0072	0072	0094	0109	0083	0074	0071	0082	0103	0104	0112	0122	0147	0144	0151	0119	14
15	0068	0065	0094	0105	0079	0070	0072	0082	0099	0102	0110	0122	0142	0140	0148	0116	15
16	0069	0070	0098	0105	0080	0072	0072	0083	0100	0103	0112	0124	0142	0142	0142	0117	16
17	0072	0072	0102	0108	0081	0072	0076	0087	0101	0110	0113	0129	0143	0147	0143	0121	17
18	0076	0077	0110	0108	0083	0075	0080	0091	0102	0113	0118	0132	0146	0149	0145	0124	18
19	0083	0083	0119	0113	0090	0079	0085	0096	0112	0120	0123	0141	0153	0154	0153	0129	19
20	0086	0093	0124	0118	0093	0083	0091	0104	0117	0123	0132	0144	0162	0160	0158	0135	20
21	0091	0099	0132	0119	0094	0083	0095	0110	0123	0125	0136	0151	0163	0165	0163	0138	21
22	0092	0103	0133	0117	0093	0084	0100	0112	0124	0124	0140	0153	0163	0173	0163	0139	22
23	0092	0103	0130	0116	0093	0084	0101	0112	0123	0123	0140	0154	0163	0174	0163	0139	23

TABLE VIII.—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.
	AUGUST 1916.																															
Midnight	9	4	9	7	10	10	3	10	8	10	4	2	10	1	7	10	8	7	1	10	10	3	2	0	0	7	7	1	2	0	4	5·7
1h	8	8	6	8	10	8	0	10	7	10	7	4	8	1	7	10	3	4	2	7	6	6	3	0	1	5	6	1	2	3	4	5·4
2	9	10	6	10	10	9	0	10	9	10	7	1	10	1	5	10	3	5	2	6	10	4	6	0	2	2	2	2	2	5	3	5·5
3	10	10	10	3	10	7	2	10	10	9	0	0	7	2	9	10	1	10	1	8	8	1	6	0	0	2	3	2	1	3	5	5·2
4	10	10	9	7	9	8	2	10	10	8	1	0	8	5	9	10	3	10	2	8	10	0	6	1	0	3	2	2	1	7	5	5·7
5	10	10	8	9	10	6	2	8	10	9	1	1	6	5	10	10	0	9	4	7	9	0	4	2	0	4	1	3	3	9	7	5·7
6	10	10	9	10	10	6	2	9	10	8	1	1	4	5	10	10	1	7	5	8	9	1	4	3	2	4	1	5	4	8	9	6·0
7	10	9	10	10	9	4	3	7	10	8	1	1	5	5	10	10	3	6	7	7	2	2	3	3	0	5	2	5	4	8	9	5·7
8	9	6	9	10	9	2	4	8	10	4	0	1	5	4	10	9	4	5	8	7	1	1	3	3	2	4	3	6	4	7	9	5·4
9	10	4	6	8	9	2	2	10	10	1	1	4	5	4	10	7	1	1	7	7	4	2	3	1	7	6	5	6	5	6	9	5·3
10	9	6	5	8	10	3	2	10	10	6	5	8	4	7	9	6	5	3	7	7	4	5	5	3	6	5	6	9	4	6	7	6·1
11	8	8	9	7	7	3	5	10	9	4	8	8	5	5	8	8	6	2	5	7	6	6	5	7	8	5	5	7	3	5	6	6·3
Noon	10	7	10	8	8	4	5	10	8	6	7	6	5	5	9	8	4	2	6	9	8	6	6	5	9	6	5	8	3	8	6	6·7
13h	9	7	8	4	6	4	6	10	5	8	9	6	5	6	10	9	4	3	7	8	8	8	6	4	9	6	6	7	2	7	3	6·5
14	7	8	9	7	7	5	7	10	6	8	8	7	4	5	9	10	5	5	7	7	9	8	6	4	9	5	6	8	2	4	6	6·7
15	8	7	9	6	9	5	6	9	5	10	9	7	6	5	9	10	3	3	7	6	7	9	10	6	7	7	7	10	4	2	9	7·0
16	7	7	8	5	5	5	7	10	5	10	5	5	6	4	8	10	3	3	8	7	8	10	9	4	8	9	5	9	3	4	8	6·6
17	6	8	7	7	7	5	5	10	4	10	5	8	5	3	8	10	4	3	8	7	9	8	9	1	6	6	5	7	4	7	7	6·4
18	8	7	7	9	8	5	7	10	3	9	3	4	5	1	8	9	7	2	8	8	9	5	9	1	2	4	3	5	3	7	5	5·5
19	9	9	4	9	10	10	8	10	2	10	0	4	5	1	9	7	4	1	8	5	10	6	7	0	2	7	4	3	4	5	6	5·8
20	10	8	1	10	8	8	8	10	2	9	0	3	5	8	10	2	5	1	8	5	7	6	7	0	3	7	2	3	4	3	7	5·5
21	7	7	3	10	8	9	8	9	1	7	0	3	5	9	10	1	4	2	10	7	3	5	3	0	2	8	1	1	3	5	5	5·0
22	6	7	4	8	7	5	10	9	2	6	1	10	4	8	10	0	7	2	10	8	9	2	2	1	3	10	1	2	4	2	3	5·3
23	7	8	2	10	10	7	10	9	6	7	4	8	2	6	9	6	5	3	10	6	7	2	2	0	4	7	2	4	4	4	1	5·6

TABLE IX.—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.
	AUGUST 1916.																															
	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	0	0	0	2	15	20	0	0	1	23	31	3	0	0	0	3	2	14	0	31	37	40	15	25	8	24	35	25	0	1	5·9
8	5	0	15	0	0	59	60	0	0	44	60	60	50	1	0	0	58	45	44	27	60	60	60	59	60	60	58	58	60	1	4	17·8
9	23	54	18	14	17	60	60	1	0	60	60	60	60	60	0	25	60	60	17	60	60	60	60	60	60	60	58	59	60	30	13	22·5
10	27	58	45	18	15	60	60	0	0	60	60	3	60	44	20	60	59	60	47	59	60	60	60	60	59	60	60	40	60	47	50	23·8
11	15	50	42	42	52	60	60	0	1	60	54	57	60	60	16	50	50	60	59	54	36	35	57	25	16	57	60	50	60	59	55	23·5
Noon	15	54	35	41	15	60	60	13	10	60	22	58	60	60	30	0	48	60	60	59	1	60	60	31	13	59	58	37	60	50	55	21·7
13h	0	40	60	60	58	60	60	6	26	2	50	54	60	60	7	17	60	60	50	50	1	38	58	2	7	56	59	28	60	58	60	21·1
14	35	30	29	57	60	60	60	4	56	0	7	35	54	60	0	0	60	60	59	28	3	20	50	55	10	60	60	42	60	60	60	20·6
15	59	30	22	60	54	60	60	3	59	0	0	54	55	60	1	0	60	60	58	50	19	0	2	50	55	56	60	0	60	60	54	20·4
16	41	30	4	58	7	60	60	0	46	0	33	59	28	60	0	0	60	60	17	50	50	0	0	54	59	45	53	0	60	60	54	18·5
17	58	2	0	58	36	52	60	0	38	10	5	32	43	60	0	0	60	60	1	32	4	0	7	60	48	32	60	0	60	60	27	16·1
18	13	0	0	10	19	20	13	0	20	5	12	2	0	16	0	1	20	23	0	0	0	0	25	25	30	30	32	0	20	20	0	5·9
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 217·8 hours; the corresponding period during which the sun was above the horizon was 353·3 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

AUGUST 1916.

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

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

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

(*To obtain temperatures in the Absolute Scale add* 273°)

AUGUST 1916.

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	17·0	16·4	19·2	18·5	18·9	18·4	19·9	19·6	19·8	19·5	17·7	16·8	16·4	15·7	16·6	15·5	Midnight
1h	16·4	15·7	17·7	16·8	19·0	18·3	20·4	19·9	19·7	19·2	16·8	16·2	16·3	15·6	15·9	14·9	1h
2	16·2	15·3	16·7	15·9	18·4	17·6	20·5	19·9	19·7	19·0	16·6	15·6	16·1	15·2	15·8	14·9	2
3	15·7	15·0	17·7	17·2	17·7	16·9	20·0	19·6	19·7	19·2	16·3	15·5	16·6	15·7	15·7	14·7	3
4	15·6	14·6	18·7	17·7	18·0	17·2	19·8	19·4	19·8	19·1	15·8	14·6	16·7	15·6	15·3	14·1	4
5	15·4	14·6	18·5	17·6	18·3	17·5	19·8	19·3	19·4	18·7	15·8	14·6	15·9	15·1	14·9	13·9	5
6	15·4	14·6	18·1	17·5	18·5	17·6	19·7	19·0	19·7	18·9	15·7	14·6	15·7	14·6	14·8	14·0	6
7	15·9	14·6	17·9	17·1	19·5	18·6	20·5	19·6	19·6	18·6	16·4	15·4	16·0	15·2	16·9	15·9	7
8	18·9	17·9	20·6	19·6	21·9	20·2	21·2	20·6	21·8	20·1	19·4	18·6	18·9	17·6	19·9	18·1	8
9	21·8	18·8	23·0	19·9	23·3	20·6	23·3	21·5	23·4	20·6	21·9	19·6	21·3	19·5	22·0	18·5	9
10	22·9	18·9	23·9	19·6	23·9	20·5	23·6	20·8	24·4	20·6	23·3	19·7	23·0	19·6	23·9	18·8	10
11	23·6	19·8	24·4	19·1	24·3	19·8	23·9	20·9	24·2	21·4	23·9	20·5	23·4	19·7	23·5	18·2	11
Noon	24·6	20·2	24·4	19·6	24·9	20·6	24·5	20·9	23·8	21·2	24·3	20·6	23·9	20·3	24·2	19·1	Noon
13h	23·9	20·2	24·4	20·0	24·8	20·7	24·5	20·8	23·8	20·7	24·5	21·0	23·8	20·2	23·9	18·6	13h
14	24·9	20·2	24·4	20·1	25·4	21·2	24·5	21·0	23·7	20·7	23·9	20·7	24·0	20·1	24·6	18·6	14
15	24·8	20·2	24·0	19·3	24·9	20·9	24·0	20·9	24·2	21·2	23·8	20·7	22·4	19·7	23·4	17·6	15
16	24·3	20·2	23·6	19·1	23·9	20·4	23·9	20·7	24·3	21·1	21·9	19·7	21·9	19·8	23·1	17·7	16
17	23·3	19·7	22·6	19·4	22·9	20·2	22·9	20·6	22·9	20·8	20·7	19·6	22·2	19·8	21·8	17·5	17
18	21·8	19·6	21·4	19·0	21·8	19·5	21·7	19·9	21·5	20·2	19·9	18·8	22·0	20·0	20·2	16·9	18
19	19·9	18·6	19·8	18·7	20·9	18·9	21·1	20·3	20·8	19·8	18·9	17·8	20·8	19·6	19·2	16·8	19
20	19·7	18·3	20·4	18·3	20·4	19·5	20·5	19·7	20·8	19·9	18·3	17·3	20·3	19·0	18·7	16·7	20
21	19·2	18·0	19·3	18·6	19·9	19·3	20·5	19·7	19·9	19·3	16·7	16·3	18·9	17·7	17·7	16·0	21
22	18·6	17·7	19·7	19·0	19·7	19·1	19·9	19·3	18·8	18·1	16·5	15·7	18·7	17·4	17·7	16·0	22
23	18·8	18·1	19·4	18·4	19·7	19·1	19·7	19·1	17·8	17·3	16·3	15·7	17·7	16·3	17·7	16·2	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	17·7	16·3	17·6	16·6	20·2	19·5	18·3	17·4	19·2	16·5	18·7	14·7	18·7	14·7	18·1	16·4	Midnight
1h	17·8	16·6	17·3	16·5	19·7	18·9	17·7	16·7	19·3	16·2	18·7	15·6	18·2	14·7	17·8	16·2	1h
2	17·8	16·6	18·4	17·2	19·3	18·6	17·4	16·6	19·1	16·3	18·3	15·3	17·8	14·5	17·6	16·0	2
3	16·8	15·8	17·3	16·2	18·8	18·1	17·1	16·4	19·0	16·4	18·3	14·8	18·3	15·1	17·5	15·9	3
4	16·7	15·6	17·4	16·2	18·7	17·6	17·1	16·4	18·7	16·5	17·8	14·9	18·4	15·1	17·4	15·9	4
5	15·1	14·0	17·7	16·2	18·8	17·7	16·9	16·3	18·8	15·9	17·8	14·9	17·2	15·5	17·2	15·7	5
6	15·1	13·9	18·3	16·8	18·8	17·7	17·9	16·9	18·8	15·9	16·8	14·9	17·6	15·6	17·2	15·7	6
7	16·5	15·3	18·5	17·1	19·0	18·0	18·6	17·6	18·9	16·2	17·8	15·0	17·7	16·1	17·5	15·9	7
8	19·9	17·7	21·2	18·9	21·4	19·6	20·9	18·7	20·5	16·3	16·9	14·9	17·9	16·4	19·4	17·4	8
9	22·4	18·5	23·1	19·2	23·3	19·7	22·8	19·1	20·9	16·9	19·8	15·6	19·0	16·4	21·4	18·1	9
10	23·5	18·8	23·8	20·0	23·9	19·9	23·4	19·1	21·9	16·9	20·9	15·2	20·4	16·4	22·3	18·2	10
11	22·6	18·9	23·7	19·6	24·4	19·8	23·9	19·6	21·9	17·5	21·8	15·6	22·3	16·2	22·9	18·3	11
Noon	23·3	19·1	24·2	19·6	24·9	19·7	23·8	19·5	22·3	17·4	20·6	16·3	21·2	16·5	23·1	18·5	Noon
13h	23·7	19·3	24·1	20·0	24·8	20·0	23·2	19·3	22·2	17·2	21·9	16·5	23·0	16·4	23·2	18·6	13h
14	23·2	19·0	24·8	20·1	25·0	20·3	23·8	19·3	21·9	17·2	21·9	16·2	22·9	16·9	23·2	18·6	14
15	23·9	18·7	24·2	19·7	25·0	19·7	21·0	18·7	21·2	17·0	21·6	15·7	20·9	17·0	22·7	18·4	15
16	23·6	19·4	23·5	19·7	24·0	20·1	21·1	18·6	20·8	16·7	21·1	15·5	20·7	16·8	22·1	18·2	16
17	22·4	18·8	22·9	19·7	23·2	19·7	20·3	17·9	20·0	16·1	20·6	15·2	18·2	16·2	21·1	18·0	17
18	20·8	18·7	21·5	19·4	21·6	19·0	19·8	17·6	19·3	15·7	19·4	15·7	18·6	15·7	20·1	17·6	18
19	19·8	18·1	21·0	19·6	20·8	19·3	19·8	17·1	19·1	15·7	17·8	15·6	18·8	15·3	19·3	17·3	19
20	18·8	17·6	21·0	19·5	20·4	19·2	19·8	17·1	19·0	15·7	18·2	15·7	18·5	15·9	19·0	17·1	20
21	18·4	17·4	20·0	19·0	19·7	18·6	19·7	16·9	19·0	15·7	18·6	15·4	18·4	15·6	18·6	16·8	21
22	19·1	17·7	20·2	19·3	19·5	18·2	19·7	17·1	18·8	15·5	19·0	14·9	18·3	15·5	18·4	16·7	22
23	17·8	16·8	19·6	18·7	18·7	17·7	19·3	16·8	18·7	15·4	19·3	15·0	18·3	15·7	18·1	16·4	23

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(The results are increased by 90 in order to obviate the necessity for signs. The unit in the table is 0·1 metre.)

AUGUST 1916.

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	877	934	890	923	888	930	892	919	885	910	878	922	882	918	893	936	Midnight
1h	883	926	888	930	900	937	900	920	875	917	868	922	879	921	893	932	1h
2	880	930	882	927	882	927	896	921	871	929	880	920	887	919	894	928	2
3	891	942	889	928	889	928	892	919	873	941	872	928	883	926	888	931	3
4	876	936	884	924	889	928	885	923	857	909	869	931	867	933	889	927	4
5	887	933	890	924	891	921	890	915	878	922	888	919	878	922	889	929	5
6	878	932	879	932	889	929	890	915	900	922	885	915	879	914	887	934	6
7	883	941	876	936	885	924	885	923	873	927	886	914	884	916	878	932	7
8	871	929	877	935	895	926	876	924	872	928	878	922	885	923	879	932	8
9	879	931	874	962	888	931	889	929	871	944	865	935	868	948	883	941	9
10	865	953	874	963	900	943	882	944	887	962	879	950	861	958	883	942	10
11	865	935	872	967	910	947	900	945	865	952	856	944	865	953	900	955	11
Noon	874	964	861	959	911	953	900	945	865	953	861	959	863	956	911	953	Noon
13h	865	952	872	967	928	942	875	937	872	967	886	968	866	952	921	950	13h
14	858	962	861	958	923	935	900	947	873	965	850	950	864	955	919	946	14
15	870	973	876	958	908	940	889	954	851	949	864	955	867	950	900	945	15
16	860	960	887	962	907	936	882	944	853	947	864	954	867	950	877	935	16
17	878	953	900	948	894	931	889	952	869	946	868	947	881	947	883	925	17
18	878	932	900	931	890	925	885	938	873	927	877	934	885	924	908	918	18
19	870	930	890	924	885	923	879	932	868	922	887	932	873	927	904	921	19
20	885	923	892	918	891	921	871	929	875	925	880	920	889	927	892	918	20
21	876	936	887	932	889	926	873	911	880	920	881	928	891	945	892	918	21
22	876	936	885	937	892	918	877	915	873	927	881	929	883	942	891	913	22
23	877	934	893	934	900	928	884	911	878	922	888	919	888	930	892	918	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	892	920	916	907	890	908	890	910	878	954	876	936	891	912	880	920	Midnight
1h	893	917	892	919	886	910	887	913	868	948	869	946	889	916	888	912	1h
2	907	915	866	907	883	911	890	908	871	943	878	954	890	914	888	912	2
3	898	912	885	907	882	912	885	910	874	940	880	948	889	916	887	913	3
4	897	914	896	920	885	906	890	907	870	945	881	946	891	913	882	918	4
5	897	914	892	919	886	903	884	907	870	946	889	952	887	913	889	911	5
6	884	916	884	924	887	913	886	906	878	952	883	942	910	914	885	915	6
7	885	915	885	923	893	907	885	910	863	956	880	949	906	908	898	912	7
8	888	909	890	910	890	910	885	910	862	957	889	953	915	907	896	918	8
9	876	936	900	915	882	918	880	930	867	979	900	965	890	925	889	927	9
10	883	917	904	918	887	933	885	937	883	987	900	966	887	932	894	928	10
11	913	933	908	920	888	931	870	945	866	981	900	967	900	947	889	927	11
Noon	900	930	906	914	885	885	875	961	837	961	900	971	883	941	889	929	Noon
13h	913	934	921	886	886	878	876	958	853	970	873	965	888	930	894	928	13h
14	922	932	900	878	910	885	863	957	855	967	900	963	909	921	875	895	14
15	920	920	908	890	909	921	861	958	839	961	887	965	900	927	890	896	15
16	913	934	907	891	893	936	877	956	856	966	887	964	889	926	900	918	16
17	900	936	863	925	880	930	887	965	861	958	878	952	889	916	900	912	17
18	890	923	872	911	880	930	867	949	869	946	884	940	887	919	893	917	18
19	890	924	889	905	878	922	866	934	873	941	889	929	887	920	892	911	19
20	892	919	890	907	884	916	871	943	881	947	886	922	892	920	890	915	20
21	894	915	893	910	886	921	866	952	882	945	887	919	894	915	891	922	21
22	892	920	888	918	889	916	868	932	881	947	887	919	892	919	894	913	22
23	894	915	889	911	889	911	900	962	885	937	890	914	885	915	893	916	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs, and are published to the nearest metre*).

AUGUST 1916.

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	895	912	911	900	897	916	904	920	895	911	890	915	893	915	890	915	Midnight
1h	892	919	911	916	900	923	905	926	890	915	889	917	894	913	887	913	1h
2	894	913	900	919	896	918	900	925	893	917	893	917	892	918	882	918	2
3	891	912	896	919	896	921	900	932	895	912	887	920	897	917	892	919	3
4	888	918	893	916	900	930	900	926	895	911	903	917	886	914	888	919	4
5	888	918	894	915	900	921	900	926	894	915	893	915	890	915	883	917	5
6	889	917	895	912	892	920	895	923	890	915	892	920	888	918	888	918	6
7	891	922	894	913	895	925	900	929	893	916	888	919	887	913	875	917	7
8	891	912	893	916	912	931	900	928	889	916	893	907	883	897	872	911	8
9	898	912	905	926	908	941	908	940	894	929	894	906	918	904	869	921	9
10	909	913	910	925	917	943	916	939	900	880	911	911	904	921	878	922	10
11	916	911	916	939	900	944	909	943	916	876	908	881	918	918	885	915	11
Noon	926	905	918	943	900	943	917	941	905	911	923	877	900	866	909	887	Noon
13h	923	910	932	932	909	946	917	943	900	920	925	875	892	861	878	909	13h
14	925	910	924	936	924	936	934	934	877	910	922	878	877	865	864	924	14
15	935	893	915	937	916	939	923	935	918	882	912	912	870	912	854	931	15
16	931	900	907	936	917	941	916	939	916	924	876	915	895	907	849	934	16
17	921	896	911	929	900	943	913	934	903	913	888	909	897	906	858	942	17
18	915	900	905	926	900	941	911	928	900	917	900	913	898	911	871	929	18
19	911	900	900	931	896	919	910	925	896	906	892	918	903	915	865	923	19
20	909	900	900	925	887	913	900	918	893	910	885	915	903	916	872	919	20
21	907	900	900	928	888	919	897	915	892	911	889	911	886	914	885	915	21
22	911	900	894	928	892	918	894	914	891	909	894	915	890	914	874	917	22
23	913	900	900	924	890	914	896	920	891	912	893	915	887	913	873	918	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	877	910	897	913	900	928	890	914	843	957	863	956	871	943	887	922	Midnight
1h	873	911	896	918	894	928	889	916	844	956	867	949	855	945	885	924	1h
2	876	916	893	934	895	925	889	916	854	946	857	965	874	940	885	924	2
3	887	920	896	919	894	928	891	912	852	948	854	946	868	948	885	925	3
4	882	918	886	922	895	923	893	916	861	958	865	953	874	962	884	925	4
5	885	910	883	925	894	928	895	912	856	944	857	964	875	959	886	924	5
6	890	915	889	926	894	929	891	907	851	949	882	944	871	943	886	924	6
7	885	915	893	934	895	923	895	905	861	958	863	957	881	947	885	926	7
8	876	915	885	938	894	931	878	914	852	972	877	956	880	949	885	925	8
9	867	933	891	946	914	936	875	925	834	966	844	956	874	962	884	936	9
10	862	938	889	954	915	937	859	941	846	981	837	963	866	983	886	941	10
11	864	936	900	958	923	934	846	936	842	986	848	978	846	981	887	941	11
Noon	891	944	900	957	922	933	877	955	840	990	883	985	852	972	890	940	Noon
13h	900	940	900	962	920	930	858	942	841	988	846	982	882	989	891	939	13h
14	890	950	888	958	914	936	852	948	824	976	862	990	849	976	887	937	14
15	900	948	889	952	918	927	852	948	824	976	833	967	871	969	886	938	15
16	900	949	900	957	913	933	870	945	847	979	852	972	856	966	886	941	16
17	900	951	881	946	906	930	866	934	852	972	851	973	887	965	886	938	17
18	900	944	891	945	900	927	853	947	862	957	861	958	879	951	887	931	18
19	900	930	892	940	893	916	848	952	864	955	861	958	878	952	885	927	19
20	900	918	900	928	889	917	848	952	859	962	864	955	868	948	885	925	20
21	895	924	903	916	890	915	860	960	864	955	874	963	866	951	886	926	21
22	895	926	900	933	892	911	859	941	859	961	879	952	880	948	886	925	22
23	896	919	890	923	892	911	855	945	872	967	869	946	878	953	888	924	23

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

AUGUST 1916.

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

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

TABLE XIII.—DIRECTION of the WIND at every HOUR of the DAY during the MONTH of AUGUST 1916.
(*The days on which the Normal Trade Winds were interrupted are indicated by an asterisk* *).
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	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	Hour. Mauritius Standard Time.
	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	
Midt.	5	6	6	6	3	4	4	7	6	14	3	4.	6	5	5	4	6	16	7	9	6	5	6	5	2	7	8	5	4	5	5	Midt.
1h	5	6	8	10	3	3	4	7	6	6	3	4	5	5	5	4	6	11	8	9	5	5	6	4	2	7	7	5	4	5	4	1h
2	5	5	5	7	4	4	5	7	10	1	3	3	5	6	5	4	6	8	7	8	6	6	6	4	3	7	7	5	4	5	5	2
3	7	6	6	6	5	4	5	6	7	2	3	3	5	6	5	4	5	7	7	8	6	5	7	6	5	7	7	5	4	4	5	3
4	5	5	6	5	1	4	4	6	7	7	2	3	5	6	5	4	5	6	8	8	6	9	4	5	4	5	7	6	5	5	6	4
5	6	6	6	5	4	5	4	6	7	6	1	2	5	7	4	4	5	6	8	8	6	6	5	4	3	5	7	6	4	5	6	5
6	5	5	6	5	8	4	3	6	4	5	4	2	6	6	11	4	5	6	6	7	5	6	5	5	5	6	7	3	4	6	5	6
7	6	5	5	5	4	4	4	5	4	5	4	3	5	6	11	7	6	6	7	8	6	5	4	3	4	7	7	4	5	5	6	7
8	4	5	7	4	4	4	5	5	3	4	4	3	5	7	14	7	5	6	10	8	5	4	31†	2	3	6	7	3	5	6	6	8
9	5	6	6	6	5	4	5	6	5	8	4	5	6	8	6	6	7	9	9	9	7	4	15†	3	4	7	10	4	4	4	6	9
10	5	6	8	6	7	6	5	6	4	9	6	6	7	8	6	7	11	10	10	10	24§	12	9	4	4	7	10	4	5	4	6	10
11	4	6	9	8	5	4	5	8	10	10	6	5	6	8	8	6	13	10	8	9	21	22§	12	4	4	8	11	3	5	5	5	11
Noon	6	5	9	8	5	5	5	9	8	10	28†	6	4	8	6	6	15	10	8	10	10†	20	24§	21†	7	8	11	6	5	7	5	Noon
13h	5	6	11	5	6	7	5	10	10	19§	27	6	5	6	6	7	14	12	9	10	8	20	25	2	8	8	11	4	5	5	7	13h
14	5	5	11	8	6	4	5	10	11	24	21	5	5	8	10	31†	14	11	11	12	2	20	27	3	7	7	10	4	5	6	5	14
15	6	6	9	7	4	5	5	8	12	21	10†	5	4	7	8	30	17	10	10	11	20†	12†	2§	3	8	7	11	4	4	4	6	15
16	5	7	9	6	4	5	5	5	10	21	7	6	5	7	6	8§	16	9	10	10	11†	3	5	3	8	8	10	5	4	5	5	16
17	6	8	7	7	5	5	6	5	8	3§	5	7	5	6	5	8	17	10	8	10	9	3	6	4	8	6	9	4	5	5	7	17
18	5	8	6	6	4	5	5	10	6	2	5	5	5	6	5	6	16	9	8	10	8	8	7	4	8	7	8	4	5	5	6	18
19	4	6	5	5	3	6	4	9	6	2	4	4	5	6	5	5	16	8	7	10	5	6	9	3	8	7	6	4	5	5	6	19
20	5	6	6	4	4	4	6	6	6	3	4	5	6	5	6	5	16	8	4	8	5	4	9	3	8	8	5	4	5	5	5	20
21	5	6	6	2	4	5	7	6	6	5	5	5	6	5	6	6	16	8	5	7	5	4	4	4	7	9	5	5	5	6	5	21
22	5	6	6	3	4	5	6	5	6	5	5	4	6	5	6	6	16	7	6	6	4	6	5	3	7	8	5	4	5	6	6	22
23	5	7	8	3	4	5	6	6	6	4	4	8	6	5	4	6	16	8	5	7	5	6	4	3	7	6	5	4	6	5	6	23

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of AUGUST 1916.

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	20·9	20·7	20·5	20·3	20·2	20·1	20·3	20·5	20·2	19·9	19·5	19·4	19·3	19·7	20·0	20·1	19·2	18·5	18·2	18·2	19·1	20·1	20·7	20·0
2	20·6	20·4	20·4	20·3	20·4	20·3	20·5	20·6	20·1	20·0	19·7	19·6	19·6	20·1	20·3	20·5	19·6	19·2	18·9	18·8	19·6	21·1	21·1	20·6
3	20·7	20·7	20·5	20·5	20·4	20·5	20·8	21·0	20·5	20·5	20·1	19·8	19·9	20·5	20·9	21·0	20·0	19·6	19·3	19·1	20·3	21·9	21·9	21·2
4	21·1	21·0	20·8	20·8	20·7	20·9	21·0	21·2	20·8	20·7	20·5	20·3	20·5	20·7	21·1	21·2	20·5	20·1	19·7	19·6	20·4	22·0	22·2	21·5
5	21·1	21·2	21·2	21·1	21·1	21·1	21·4	21·5	20·5	20·9	20·8	20·7	20·7	21·0	21·5	21·6	20·5	20·5	20·0	20·0	20·8	22·4	22·6	21·7
6	21·2	21·6	21·4	21·2	21·2	21·2	21·5	21·5	21·1	21·2	20·8	20·6	20·7	21·2	21·7	21·7	20·4	20·5	19·9	19·7	21·1	23·1	23·0	21·9
7	21·7	21·7	21·4	21·2	21·1	21·1	21·2	21·5	21·5	21·2	20·8	20·6	20·4	21·0	21·3	21·3	21·0	20·3	19·4	19·1	20·5	22·3	22·2	21·3
8	21·5	21·3	21·2	21·2	21·1	21·1	21·2	21·3	20·9	20·8	20·6	20·6	20·5	20·7	21·0	21·0	20·6	20·1	19·7	19·7	20·4	21·2	21·6	21·2
9	21·4	21·3	21·2	21·0	21·0	21·0	21·1	21·5	21·1	20·7	20·7	20·4	20·4	20·7	21·4	21·5	20·7	20·3	19·9	19·5	20·4	22·1	23·0	21·8
10	21·6	21·5	21·2	21·3	21·2	21·3	21·5	21·6	21·5	21·0	20·7	20·8	20·8	21·5	21·6	21·5	21·3	20·1	19·8	19·9	21·6	22·7	22·5	21·5
11	21·6	21·3	21·3	21·1	21·0	20·8	21·1	21·2	21·3	21·0	20·5	20·2	20·2	20·7	21·0	21·1	20·6	19·6	18·7	18·6	20·5	22·0	21·7	20·8
12	21·4	21·1	20·9	20·7	20·5	20·4	20·6	20·6	20·8	20·3	20·0	19·7	19·6	20·0	20·6	20·7	19·7	18·7	18·1	17·8	19·2	21·2	21·6	20·8
13	21·4	20·8	20·7	20·6	20·7	21·0	21·0	21·2	20·6	20·5	20·2	20·1	20·3	20·8	21·2	21·1	20·4	19·6	19·2	19·1	19·6	22·4	22·2	21·2
14	21·3	21·2	21·0	20·9	20·9	21·0	21·2	21·6	20·9	20·6	20·5	20·3	20·3	21·1	21·6	21·6	20·4	20·4	20·1	19·4	20·7	23·0	23·0	22·0
15	21·7	21·6	21·3	21·3	21·2	21·2	21·4	21·6	21·4	21·1	20·8	20·6	20·7	21·2	21·5	21·5	21·1	20·2	19·8	20·0	21·0	22·3	22·3	21·8
16	21·7	21·6	21·5	21·3	21·3	21·5	21·7	21·9	21·5	21·3	21·2	21·0	21·1	21·6	21·8	21·8	21·2	21·0	20·6	20·6	22·2	23·1	22·6	22·0
17	22·0	21·8	21·5	21·4	21·3	21·4	21·8	22·1	22·1	21·3	20·9	20·7	20·8	21·4	22·3	22·4	20·7	20·3	19·6	19·5	21·5	23·6	24·1	23·4
18	22·2	22·3	22·1	21·9	21·8	22·0	22·2	22·7	22·2	21·9	21·7	21·5	21·6	22·2	22·9	23·0	22·2	21·6	21·0	21·0	22·7	24·5	24·7	23·6
19	22·8	22·7	22·4	22·4	22·2	22·3	22·6	22·9	22·7	22·3	21·9	21·9	21·9	22·6	23·2	23·3	22·7	21·9	21·1	21·1	22·6	24·6	24·8	24·0
20	23·1	23·1	22·8	22·9	22·6	22·7	22·9	23·2	23·1	22·8	22·7	22·4	22·5	23·1	23·5	23·6	23·3	22·5	22·1	22·0	23·2	24·8	24·9	24·1
21	23·3	23·2	23·1	22·9	22·8	22·9	23·2	23·2	23·2	23·0	22·7	22·5	22·6	22·9	23·4	23·5	23·1	22·5	22.2	22·5	23·5	24·0	24·5	24·2
22	23·4	23·3	22·9	22·7	22·5	22·6	22·8	22·9	23·2	22·8	22·3	22·1	21·9	22·6	23·1	23·0	22·9	21·8	20·7	20·6	22·5	24·2	24·0	23·1
23	22·8	22·9	22·5	22·3	22·1	22·1	22·5	22·8	23·1	22·3	21·8	21·5	21·5	22·3	22·8	22·9	23·1	20·9	20·1	19·9	22·1	24·3	24·1	23·5
24	22·9	22·8	22·6	22·3	22·1	22·2	22·4	22·5	22·7	22·3	21·8	21·5	21·5	21·9	22·5	22·5	22·1	21·1	20·2	19·9	21·8	23·3	23·3	22·4
25	22·6	22·4	22·2	21·9	21·7	21·7	21·8	22·2	22·1	21·7	21·3	21·1	21·0	21·5	21·9	22·1	21·1	20·3	19·7	19·5	21·1	22·5	23·1	22·3
26	22·2	22·2	21·9	21·9	21·7	21·9	21·1	22·5	22·1	21·6	21·3	21·2	21·2	21·8	22·4	22·5	21·4	20·6	20·0	20·1	21·8	23·5	23·8	23·0
27	22·5	22·5	22·3	22·2	22·2	22·3	22·7	23·0	22·3	22·1	21·9	21·7	21·8	22·5	23·2	23·2	21·8	21·6	21·0	20·8	22·8	24·7	24·7	23·6
28	23·1	23·0	22·7	22·5	22·4	22·4	22·7	22·8	22·9	22·6	22·2	21·9	21·9	22·5	22·8	22·7	22·6	21·7	20·9	20·9	22·7	23·9	23·5	22·6
29	22·6	22·7	22·4	22·2	22·1	22·1	22·4	22·0	22·5	22·6	21·7	21·5	21·5	22·2	22·7	21·9	22·2	21·0	20·6	20·4	22·2	23·8	23·7	23·2
30	22·4	22·4	22·1	22·0	21·8	21·9	22·0	22·2	21·9	21·8	21·5	21·2	21·2	21·6	22·1	22·0	20·8	20·7	20·1	20·0	21·0	22·7	22·7	21·6
31	22·2	22·1	21·9	21·1	21·6	21·6	21·7	21·9	21·7	21·3	21·0	20·8	20·8	21·3	21·8	21·8	20·8	20·1	19·7	19·1	20·8	22·7	22·5	21·6
Mean	21·97	21·88	21·68	21·53	21·45	21·50	21·69	21·91	21·69	21·42	21·10	20·91	20·93	21·45	21·91	21·93	21·23	20·56	20·01	19·89	21·28	22·90	22·99	22·18

§ Direct. † Retrograde.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of AUGUST 1916.

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.	Forney.	Beau Vallon.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Aug. 1d		...	...	1·3	1·0	...	...	...	2·3	2·3	...	...	1·8		...	...
2		...	2·0	1·0	0·2	...	2·0	...	1·5	10·7	...	...	2·3		...	9·0
3		3·8	...	2·5	4·1	4·6	14·2	0·8	9·4	...	...	1·3	22·9		12·7	2·0
4		...	...	1·0	0·8	1·0	2·5	...	2·5	...	3·0	0·8	5·8		8·9	2·3
5		0·8	...	0·8	0·8	2·8	1·3	...	3·0	6·3	3·1	1·0	6·3		2·8	...
6		2·0	...	...	0·5	1·0	...	...	1·5	12·2	...	...	...		...	...
7		...	...	0·5	0·3	4·1	1·8	0·5	4·2	...	...	...	3·0		1·0	...
8		...	...	...	...	...	...	...	...	...	...	...	...		...	...
9		...	4·8	...	...	0·8	...	...	4·8	...	...	0·5	...		...	5·4
10		2·1	...	0·8	4·8	1·3	4·3	3·8	1·5	10·9	...	34·0	3·3		10·9	...
11		...	...	5·1	0·2	8·4	4·1	...	...	0·8	...	...	...		...	...
12		...	...	...	...	...	...	...	...	...	...	...	...		...	9·3
13		...	...	0·8	1·3	6·3	...	3·8	4·3	52·1	24·9	...	33·0		17·0	...
14		...	1·5	0·5	0·2	4·3	6·9	...	3·3	...	10·4	2·5	13·2		...	...
15		1·2	...	1·3	0·3	1·5	1·5	...	2·5	16·5	...	...	...		2·8	8·1
16		...	...	2·3	1·0	1·8	2·5	...	3·0	...	...	3·3	6·3		3·8	...
17		...	...	...	0·2	...	...	...	...	...	...	...	5·1		...	5·8
18		...	...	1·5	...	0·2	0·8	...	3·6	2·5	...	...	2·5		1·8	1·4
19		...	...	1·0	2·3	...	...	...	...	...	5·3	...	...		...	1·8
20		1·0	...	2·8	3·8	1·0	...	1·3	5·6	10·2	5·8	...	3·1		6·3	...
21		...	20·0	2·5	0·3	3·3	7·6	...	...	...	3·0	8·1	6·2		3·8	...
22		...	1·8	5·3	21·1	9·9	...	...	...	...	...	...	...		...	...
23		...	...	7·9	1·3	3·6	22·9	...	20·2	...	...	...	...		...	...
24		...	...	7·1	0·8	10·7	...	...	...	...	...	...	...		...	...
25		...	...	...	...	...	...	...	...	...	...	...	...		...	...
26		...	...	...	...	...	...	...	...	3·0	...	...	...		...	...
27		7·2	...	...	...	1·5	...	...	...	...	...	...	20·3		...	7·2
28		6·9	...	...	0·2	...	...	21·0	6·1	69·1	19·1	2·3	6·9		2·3	4·2
29		...	6·5	1·0	0·2	9·1	20·3	1·5	19·6	21·6	15·8	2·3	19·8		10·2	...
30		1·7	0·1	1·0	0·2	6·1	...	...	5·8	2·3	13·5	0·8	8·9		...	2·0
31		3·0	3·0	1·8	2·3	1·8	...	4·6	4·8	14·7	...	...	3·3		...	5·2
Total ...	...	29·7	39·7	49·8	48·2	85·1	92·7	37·3	109·5	235·2	103·9	56·9	174·0		84·3	63·7

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of AUGUST 1916.

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.	Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion.	Mare aux Vacons.	Salency.	Réduit.*	Alma.	Military Camp.	La Ferme.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Aug. 1d	...	1·3	1·5	...	...	...	0·2		...	...	3·0	...	0·5	3·6		0·5
2	...	...	1·3	...	2·0	15·5	2·3		...	0·5	4·6	...	...	9·7		0·2
3	9·0	23·1	22·9	16·5	17·0	5·1	7·6		3·8	14·7	27·9	...	...	4·3		1·3
4	3·0	4·1	8·9	3·6	3·5	...	3·1		...	2·0	11·9	...	...	4·6		0·8
5	4·0	3·8	3·8	3·0	4·0	...	3·3		...	...	6·6	...	...	4·1		0·5
6	...	...	2·5	...	0·5	1·8	1·8		...	...	4·6	...	...	10·2		...
7	3·0	2·5	...	...	4·0	...	9·9		3·8	...	3·6	...	...	1·0		1·8
8	...	...	...	...	...	...	...		...	0·8	...	...	...	2·0		...
9	...	...	...	...	...	...	...		...	...	...	...	...	...		...
10	...	1·3	2·5	5·6	...	...	...		...	...	2·0	...	...	...		...
11	...	...	...	...	...	...	...		...	...	...	...	...	...		...
12	...	...	1·3	...	...	...	...		...	...	1·8	...	...	29·2		...
13	5·0	15·7	26·7	8·9	16·0	5·6	41·1		...	27.2	51·6	21·7	...	6·3		4·3
14	2·0	7·6	16·3	1·0	7·0	...	0·8		...	4·3	29·2	...	...	2·5		...
15	3·0	5·3	7·5	...	4·0	...	...		3·0	...	7·6	...	...	3·6		...
16	2·0	5·1	...	16·0	2·0	...	3·0		...	2·0	5·1	3·8	...	...		1·5
17	...	...	...	...	...	...	...		...	4·8	...	...	...	..		...
18	...	...	...	3·0	...	...	...		...	...	...	...	...	...		...
19	...	...	...	...	...	...	...		...	...	...	...	...	6·1		...
20	4·5	5·1	1·8	5·1	1·0	25·6	...		16·5	...	2·0	...	...	4·6		0·3
21	3·0	4·3	6·3	2·8	3·0	...	9·7		...	...	3·0	...	...	9·1		18·8
22	...	...	...	...	...	...	...		...	...	6·2	...	...	5·1		...
23	...	...	...	...	...	...	...		...	...	...	...	...	11·2		...
24	...	...	...	...	...	...	...		...	11·5	0·8	5·1	10·0	...		...
25	...	...	...	...	...	...	...		...	...	...	...	...	0·5		...
26	...	...	...	...	...	...	...		...	...	...	...	0·8	...		...
27	1·0	5·1	26·7	...	4·0	9·1	...		...	...	5·3	...	...	...		...
28	1·0	...	1·8	...	1·0	17·8	2·0		...	...	...	...	0·7	13·2		...
29	10·0	17·8	21·6	10·2	16·0	9·7	50·0		3·1	8·9	71·6	6·3	0·8	41·0		...
30	1·5	3·0	13·5	3·8	3·0	...	44·5		2·3	43·7	46·5	15·2	7·5	18·5		1·0
31	1·0	2·3	3·8	...	...	...	15·5		...	19·8	27·9	2·0	7·6	19·6		3·0
Total ...	53·0	107·4	170·7	79·5	88·0	90·2	194·8	...	32·5	140·2	322·8	54·1	27·9	210·0	...	34·0

Observations discontinued temporarily.

* Mill

§ Record not received.

* "Record for Reduit defective. Amount on 24th is total fall from 1st to 24th."

TABLE XVI.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
AUGUST 1916.

Royal Alfred Observatory, Pamplemousses.

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

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

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

TABLE XVII.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of AUGUST, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	1	Mare Sèche	20	1·50	38·1	29·2	9
	2	Union *	200	1·17	29·7	...	9
	3	St. Antoine	50	1·17	29·7	47·2	10
	4	Belmont...	50	1·21	30·7	41·9	8
	5	Poudre d'Or	20	1·00	25·4	43·7	8
	6	Poudre d'Or Hospital ...	10	1·12	28·4	26·4	5
	7	Mon Loisir (R) ...	300	1·09	27·7	62·7	7
	8	Mon Loisir S.E. ...	300	0·95	24·1	57·1	7
	9	Forbach	300	1·78	45·2	33·8	12
	10	Labourdonnais	290	1·56	39·7	71·6	8
	11	Beau Séjour	300	1·96	49·8	91·2	22
	12	Mont Piton	860	2·07	52·6	89·2	22
	13	Mon Choix	700	1·57	39·9	80·5	12
	14	Antoinette	640	2·87	72·9	87·4	16
	15	California	850	2·52	64·0	95·0	8
	16	Nouvelle Découverte ...	1,400	3·35	85·1	101·1	22
	17	Mon Songe	620	3·64	92·5	97·0	19
	18	La Grande Rosalie ...	643	1·63	41·4	91·2	7
	19	The Mount	325	2·27	57·7	79·5	8
	20	Botanic Gardens ...	325	1·90	48·2	72·9	24
	21	Beau Plan	195	1·02	25·9	64·0	5
	23	The Observatory ...	179	1·10	27·9	63·0	18
	23	Solitude *	175	0·65	16·5	...	4
	24	St. André *	90	1·14	29·0	...	5
	25	Belle Vue Harel ...	350	2·76	70·1	46·0	12
	26	Mont Choisy	10	1·58	40·1	39·1	8
	27	Belle Vue (S. Est.) * ...	...	2·21	56·1	...	15
	28	Rosalie *	...	2·15	54·6	...	14
	29	Constance *	...	2·04	51·8	...	14
	30	Belle Vue Maurel * ...	...	2·04	51·8	...	11
	31	Esperance (Trébuchet) *	...	1·48	37·6	...	8
	32	Schœnfeld *	...	0·41	10·4	...	3
	33	Industrie *	...	3·38	85·9	...	17
	34	St. François Estate * ...	...	...	...	...	...
	35	Réunion Estate * ...	...	1·12	28·4	...	8
	36	Souvenir *	...	0·81	20·6	...	10
	37	Mon Rocher *	...	1·14	29·0	...	11
	38	Bon Espoir	...	...	...	...	...
	39	Ile d'Ambre *	...	...	...	...	...
	40	La Salette *	...	1·58	40·2	...	12
	41	Leclézio Mapou * § ...	...	1·15	29·2	...	11
2 & 3	1	Union Régnard ...	600	4·11	104·4	87·1	22
	2	La Grande Retraite ...	350	...	...	...	...
	3	Constance d'Arifat L.G.	100	1·47	37·3	71·1	8
	4	St. Julien Church ...	1,050	4·31	109·5	...	20
	5	Rich Fund *	600	3·65	92·7	...	14
	6	Constance (Manès) S. E.	...	1·71	43·5	...	7
	7	Queen Victoria * ...	...	3·32	84·3	...	18
	8	Belle Mare *	...	0·84	21·3	...	7
	9	Beau Bois (Flacq) * ...	...	...	...	...	...
	10	Bel Etang (Lesur)* ...	...	6·02	152·9	...	18
	11	Bon Espoir §	...	...	...	...	...
	12	Belle Vue (Allendy) *...	...	1·91	48·5	...	18
4	1	Sans Souci	900	9·26	235·2	201·4	15
	2	Etoile	400	4·09	103·9	134·1	10
	3	Beau Champ	20	2·24	56·9	42·9	11
	4	Belle Rive *	400	4·71	119·6	...	17
	5	Olivia *	400	2·78	70·6	...	17
	6	Deep River *	350	7·48	190·0	...	16
	7	Unité *	...	...	...	...	...
	8	Belle Rose Estate * ...	...	3·53	89·7	...	11
	9	La Lucie Estate * ...	...	2·93	74·4	...	15
	10	La Lucie (Residence)*...	...	2·71	68·8	...	16
	11	Melrose *	...	8·83	224·3	...	10
	12	Bonne Veine *... ...	...	8·79	223·3	...	18
5	1	Rose Belle *	850	6·85	174·0	...	19
	2	Cent Gaulettes ...	500	6·20	157·5	160·8	16
	3	St. Hubert *	400	5·91	150·1	...	14
	4	Riche-en-Eau	460	...	...	...	...
	5	Ferney	20	3·32	84·3	124·2	13
	6	Beau Vallon	60	2·51	63·7	75·2	13
	7	Union Vale	200	2·41	61·2	53·3	12
	8	Mon Désert (Carié) * ...	75	1·97	50·0	45·7	16
	9	Riche Bois	1,420	5·14	130·6	...	13
	10	Cluny *	1,000	7·33	186·2	..	14
	11	Virginia Estate * ...	...	0·95	24·1	...	12
	12	Eau Bleue *	...	8·11	206·0	...	23
	13	Union Park *	...	7·49	190·2	...	23
	14	Plaisance Estate * ..	...	...	...	...	...
	15	Sauveterre Estate * ...	...	2·07	52·6	...	14
	16	Deux Bras Estate * ...	...	5·11	129·8	...	18
6	1	Kanaka	2,000	10·36	263·1	242·1	22
	2	Tivoli	1,300	6·75	171·4	209·5	17
	3	La Flora *	1,050	6·72	170·7	...	18
	4	Britannia (No. 1) ...	730	4·23	107·4	151·1	16
	4a	Britannia (No. 2)* ...	600	1·80	45·8	...	17
	5	Gros Bois	500	3·91	99·3	149·6	19
	6	Savannah (Residence) ...	200	1·68	42·7	114·8	7
	7	Savannah (Mill) ...	200	1·59	40·4	93·5	11
	8	St. Aubin	300	2·09	53·0	105·9	15
	9	Union B.A.St.FélixS.E.*	90	2·26	57·4	...	8
	10	Beau Bois	350	3·47	88·0	142·0	16
	11	Labarracq (Resid.) * ...	250	2·92	74·2	...	11
	12	St. Avold *	900	6·70	170·2	...	16
	13	Terracine *	100	1·81	46·0	...	10
	14	Labarracq (Mill) * ...	250	3·13	79·5	...	12
	15	St. Felix Sugar Estate *.	...	2·07	52·6	...	9
	16	Bel Air *	...	1·98	50·3	...	12
	17	Chamouny *	...	4·26	108·2	...	13
	18	Union S.E. *	...	1·89	48·0	...	11
	19	Fontenelle *	...	2·87	73·0	...	9
	20	Combo §	...	2·48	63·0	...	10
	21	St. Felix (Wilson) * ...	...	2·56	65·0	...	12
	22	Joli Bois Estate * ...	...	5·50	139·7	...	15
7 8 & 9	1	Bel Ombre *	50	3·55	90·2	...	8
	2	Chamarel	400	7·67	194·8	108·2	15
	3	Beau Champ *	...	3·10	78·7	...	9
	4	Board *	...	3·11	79·0	...	10
	5	Ste. Marie *	...	2·29	58·2	...	7
	6	Médine Estate * ...	...	0·91	23·1	...	3
	7	Albion Estate * ...	...	0·35	8·9	...	1
	8	Anna Estate §	...	...	...	...	...
	9	Pierre Fond Estate * ...	...	0·00	00·0	...	0
10		No returns.					
11	1	Les Gorges	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	8·58	217·9	192·3	22
	3	Mare aux Vacoas ...	1,850	12·71	322·8	264·2	21
	4	La Marie Filter Bed ...	1,700	5·78	146·8	...	17
	5	Réunion...	1,420	5·52	140·2	177·0	12
	6	Tamarin *	150	1·28	32·5	...	6
	7	Clarens§	150	...	...	...	...
	8	Les Salines (B.R.)* ...	...	1·45	36·8	...	8
	9	Terrain Bonnefin † ...	...	10·93	277·6	...	21
	10	Chebel Estate §	...	...	...	...	...
12	1	The Manse	850	1·20	30·5	44·5	16
	2	The Bower	1,080	2·17	55·1	...	14
	3	Le Réduit (D. of A.) (2)	1,000	1·10	27·9	...	?
	4	Alma	1,460	8·27	210·0	182·1	22
	5	Minissy *	1,150	2·65	67·3	...	8
	6	Bagatelle	1,250	4·35	110·5	110·2	21
	7	Highlands	1,300	5·60	142·2	...	17
	8	Trianon	950	2·65	67·3	72·1	12
	9	Salency	923	2·13	54·1	55·6	6
	10	Military Camp (1) ...	1,370	...	...	...	...
	11	La Ferme *	350	1·34	34·0	...	12
	12	Bon Air...	1,050	2·33	59·2	73·4	9
	13	Val Ory...	1,100	1·93	49·0	65·0	24
	14	Pieter Both Estate * ...	...	3·88	98·6	...	12
	15	Roslyn Cottage Estate §	...	...	...	...	...
	16	Agrément Estate § ...	...	4·18	106·2	...	17
	17	Circonstance Estate * ...	...	7·33	186·2	...	10
	18	Le Réduit Grounds * ...	...	1·38	35·0	...	11
	19	Stanley *	...	1·32	33·5	...	8
	20	Ebène *	...	1·10	27·9	...	8
	21	Mon Rêve *	...	1·33	33·8	...	8
	22	Bégа *	...	0·64	16·3	...	8
	23	Bassin *...	...	1·71	43·4	...	8
	24	Hermitage *	...	6·38	162·0	...	15
	25	Côte d'Or *	...	3·54	89·9	...	17
	26	Mon Repos §	...	1·05	26·7	...	4
13	1	Salines (R.B.) § ...	10	...	...	...	...
	2	The Albion Dock ...	18	0·00	00·0	18·3	0
	3	Line Barracks (1) ...	10	...	...	...	...

* Normals not available † A station at Mare aux Vacoas Reservoir ‡ Casela § Record not received 4 a Bon Acceuil.
† Parcelled out (1) Discontinued temporarily. (2) Not measured from 1st to 24th.

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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, 1916.

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

DIRECTOR.

Published by Authority of His Excellency the Governor.

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of SEPTEMBER 1916.

Month and Day. 1916.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Horizontal Force. (Unit 1 γ)	Vertical Force. (Unit 1 γ)
	° ′			′		
Sept. 1	9.47·9	·23202	·30676	5·4	26	22
2	47·5	209	670	6·8	55	38
3	47·6	197	674	5·6	52	18
4	47·7	197	676	6·4	47	20
5	47·7	191	676	4·6	43	19
6	47·7	192	673	6·8	24	21
7	47·6	191	673	9·2	36	27
8	...	...	673	...	...	13
9	...	...	671	...	...	20
10	47·9	221	666	7·2	56	42
11	47·7	203	671	6·6	76	21
12	48·2	198	668	7·2	57	31
13	48·1	192	664	7·0	32	38
14	47·6	196	660	10·0	11	48
15	48·3	197	661	13·4	58	42
16	47·5	192	664	10·6	53	24
17	47·9	182	662	8·0	63	26
18	47·6	191	664	8·6	48	27
19	48·7	197	662	9·8	18	27
20	48·1	202	659	9·0	18	33
21	48·5	213	656	9·4	27	30
22	49·2	224	656	7·2	38	23
23	48·4	208	653	7·4	27	34
24	48·3	211	654	7·8	20	25
25	48·9	204	654	4·8	33	27
26	48·6	216	654	7·2	37	26
27	48·9	202	653	7·8	56	36
28	48·7	205	654	4·8	29	24
29	48·6	206	653	5·8	17	24
30	48·8	206	656	8·2	89	20
Mean	9.48·15	·23202	·30663	7·59	40·9	27·5

List of Earthquakes.

Date, 1916.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
		h m	h m	h m	″	h m	h m	h m	″	
Sept. 3	1456	?	12. 2·5	?	...	?	12. 6·8	?	...	Beginning and end masked by air tremors.
6	1457	2.53·0	3. 6·6	3.10· 2	...	2.37·7	3. 9·7	?	·10	
11	1458	...	...	...	...	?	10.58·4	11.24·8	·48	Beg. masked by accidental vibrations.
14	1459	...	...	...	...	13.20·9	13.22·2	13.27·5	...	Seismic origin doubtful.
15	1460	11.25·0	?	?	...	11.25·9	?	?	...	Occasional faint oscillations.
17	1461	...	...	...	...	13.25·0	13.27·9	13.31·0	...	Feeble.
23	1462	10.24·0	.	11.41·8	...	10.54·9	11. 5·6	11.43·9	·14	
30	1463	...	...	...	...	0. 0·0	0. 6·8	0.24·9	...	
Mean	...	...	...	...	...	...	...	...	...	...

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of AUGUST 1916.

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). A. M. Observations. Day and Hour.	A. M. Observations. Observed Value.	Resulting Vertical Force. C. G. S. Units.	P. M. Observations. Day and Hour.	P. M. Observations. Observed Value.	Resulting Vertical Force. C.G.S. Units.
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
Sept. 7. 8.31	9.51·2	Sept. 7. 9.21	·23203	Sept. 4. 9.22	52.53·9	·30694	Sept. 4.14. 2	52.54·9	·30674
13.45	9.46·9	13.30	·23195	8. 9.42	52.53·0	·30681	8.13.52	52.53·6	...
15. 8.59	9.51·9	15. 9.46	·23210	11. 9.49	52.53·2	·30685	11.13.52	52.50·8	·30650
13.45	9.46·3	12.59	·23211	13. 9. 0	52.54·1	·30677	...	...	...
22. 8.40	9.55·3	22. 9.41	·23234	25. 9.19	52.54·0	·30681	25.13.51	52.50·4	·30638
13.40	9.48·5	12.57	·23244	29. 9.29	52.53·7	·30673	29.13.57	52.51·0	·30639

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

SEPTEMBER 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	47·7	47·5	47·7	49·8	49·2	48·4	48·2	48·4	...*	48·0	49·0	49·0	47·2	48·6	49·2	48·8	Midnight
1h	47·7	47·5	48·7	49·4	49·2	47·8	48·8	47·4	...	47·8	49·0	49·2	49·8	47·8	48·8	48·0	1h
2	47·9	47·5	47·5	49·4	47·2	47·6	47·4	47·8	...	48·0	49·2	48·8	49·4	48·0	48·8	47·4	2
3	47·5	47·3	48·7	49·2	49·2	47·4	47·8	47·6	...	48·0	48·8	49·2	49·4	47·6	48·8	47·4	3
4	47·5	47·3	48·9	48·6	49·2	47·4	47·4	47·4	...	47·8	47·2	49·4	48·4	47·6	49·0	47·6	4
5	47·5	47·3	48·5	47·4	48·8	47·2	47·2	47·2	...	47·4	48·0	47·2	47·4	47·6	48·8	47·0	5
6	47·3	47·3	48·1	47·4	47·4	47·2	47·2	47·2	...	47·0	47·4	46·6	47·0	47·4	47·6	46·2	6
7	45·9	45·5	45·3	45·6	45·4	47·2	47·2	46·8	...	45·4	46·8	46·6	46·2	47·2	47·2	45·6	7
8	47·3	47·1	45·3	46·6	46·6	48·2	49·2	47·2	...	47·4	47·2	45·4	47·2	48·4	48·4	47·6	8
9	48·9	48·9	46·3	49·0	47·8	49·8	50·6	49·8	...	51·0	49·4	49·2	49·2	50·6	51·4	49·8	9
10	49·5	49·7	48·3	49·2	49·2	51·0	51·4	50·4	...	52·0	50·8	51·4	51·2	51·2	53·2	51·6	10
11	50·9	50·7	49·5	49·2	49·2	51·0	52·4	49·6	...	51·8	50·6	51·6	51·4	51·2	54·6	52·0	11
Noon	49·7	49·7	48·1	49·2	49·0	49·8	51·2	...*	50·4	50·2	49·2	52·4	51·0	50·6	53·4	50·6	Noon
13h	49·3	49·3	46·1	46·8	48·4	48·6	48·0	...	48·0	49·2	47·2	51·2	47·4	47·2	48·8	46·8	13h
14	48·9	47·5	45·3	45·0	46·0	47·0	46·2	...	47·4	46·4	45·2	49·4	46·6	43·8	44·0	44·6	14
15	46·3	44·7	44·1	44·2	44·6	44·8	43·4	...	45·8	44·8	44·2	46·0	44·8	41·2	41·2	41·4	15
16	45·5	43·9	44·3	43·4	45·2	44·2	43·2	...	45·2	44·8	44·4	45·2	44·4	42·0	41·6	41·4	16
17	46·1	45·3	45·5	45·4	46·0	45·2	43·6	...	45·6	46·0	45·4	45·8	45·4	44·4	45·2	44·4	17
18	47·5	47·1	49·3	47·2	47·8	46·8	45·4	...	47·0	47·4	46·4	47·2	47·2	47·2	47·2	47·4	18
19	48·5	47·3	49·1	47·8	47·8	47·2	46·6	...	47·2	47·6	46·8	47·2	48·2	47·8	47·6	47·4	19
20	48·5	47·3	48·7	48·8	48·0	47·4	47·2	...	47·4	47·8	47·2	49·0	48·4	48·4	47·4	49·2	20
21	48·3	47·5	49·5	49·2	47·2	48·0	47·8	...	49·2	47·8	47·4	45·8	48·0	48·8	48·4	48·8	21
22	48·7	47·7	49·3	49·0	48·4	48·6	47·6	...	47·8	47·6	49·6	46·8	48·8	48·6	49·0	49·8	22
23	47·7	48·1	49·7	48·6	48·4	47·8	47·8	...	48·0	48·0	49·4	49·2	48·4	48·8	49·2	49·2	23

* Inferred.

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean	Day. / Hour.
	9° +															
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	49·2	49·2	49·2	49·0	49·0	49·2	48·8	49·2	49·2	49·2	49·3	49·3	48·7	48·7	48·8	Midnight
1h	49·0	49·2	49·2	49·0	49·2	49·2	49·2	49·0	49·0	49·2	49·3	48·5	48·9	48·7	48·8	1h
2	48·8	48·6	48·8	49·0	49·2	49·2	48·6	48·8	48·4	49·2	49·3	48·1	48·7	48·9	48·5	2
3	48·4	47·6	49·0	48·8	49·0	49·2	48·8	48·2	47·8	49·2	45·3	49·3	48·5	49·3	48·4	3
4	48·0	47·8	49·0	48·6	47·2	48·6	48·4	47·2	48·6	48·6	47·5	49·3	48·3	49·3	48·2	4
5	47·2	47·8	48·4	48·0	48·8	48·0	49·2	47·2	49·2	45·6	47·3	49·3	47·9	49·3	47·9	5
6	45·8	47·0	47·6	47·4	47·4	47·8	46·8	45·4	48·8	47·2	47·3	48·7	47·7	49·3	47·3	6
7	46·4	45·4	47·2	46·2	47·2	48·0	47·4	47·2	47·2	47·2	47·5	48·5	49·1	49·5	46·8	7
8	47·8	47·2	49·2	47·2	49·4	50·4	51·0	49·0	49·2	48·4	48·1	49·3	49·5	50·7	48·2	8
9	50·0	50·0	50·6	50·0	52·6	53·4	51·8	51·4	51·6	50·8	50·9	50·1	50·7	51·5	50·2	9
10	51·2	51·4	53·2	51·8	53·4	54·4	52·2	52·6	52·0	52·6	52·7	50·3	51·1	51·9	51·5	10
11	51·4	51·2	53·8	52·4	53·2	53·6	51·2	53·0	51·6	52·0	53·1	50·1	50·9	51·9	51·6	11
Noon	50·8	49·2	53·0	50·8	50·2	51·2	49·6	51·0	51·0	51·0	50·9	49·3	49·5	49·5	50·4	Noon
13h	49·2	46·4	50·0	48·4	47·2	49·2	47·2	47·4	48·8	47·4	46·7	47·3	46·3	45·3	47·9	13h
14	47·2	45·2	48·2	46·6	45·8	48·4	45·8	45·8	47·6	45·4	46·5	45·5	45·3	43·7	46·2	14
15	45·4	43·2	45·2	44·2	44·6	47·2	45·2	45·2	47·4	45·4	47·3	45·5	45·5	44·5	44·7	15
16	43·4	42·8	44·0	43·4	44·0	47·2	44·8	45·8	47·4	46·6	48·1	46·9	45·3	45·3	44·6	16
17	43·8	43·4	45·2	44·2	45·2	47·2	45·8	46·6	47·4	47·6	49·3	48·1	48·9	47·3	45·8	17
18	45·8	47·2	47·2	46·8	47·2	47·4	47·4	47·2	47·4	48·8	49·3	49·3	49·3	49·1	47·5	18
19	47·2	48·0	47·4	47·6	47·8	48·0	48·0	48·0	47·8	49·0	49·3	49·3	49·3	49·3	48·0	19
20	47·2	48·8	47·6	47·8	48·6	48·2	48·0	48·2	48·4	48·8	49·3	49·3	49·3	49·5	48·3	20
21	48·0	48·8	48·4	48·6	48·8	48·6	48·2	48·6	49·0	49·0	50·7	49·1	49·1	49·5	48·5	21
22	48·8	49·2	48·6	49·0	49·0	48·6	48·6	48·8	49·0	49·2	49·5	48·9	48·9	49·5	48·8	22
23	49·2	49·0	48·8	49·0	49·2	48·8	49·0	49·0	49·0	49·0	49·3	48·9	48·7	49·3	48·8	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

SEPTEMBER 1916.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour. / Day.
	·23000 + (C.G.S. UNIT).																
Midnight	191	197	197	196	214	184	196	185	...*	192	209	184	206	190	201	179	Midnight
1h	192	196	203	182	188	192	193	192	...	198	212	193	191	199	201	191	1h
2	197	198	220	190	215	189	199	194	..	201	210	228	190	199	200	195	2
3	196	207	212	187	197	193	193	198	...	202	219	218	190	194	207	200	3
4	197	205	211	194	203	193	194	201	...	207	234	211	191	198	204	202	4
5	197	206	216	200	202	196	201	202	...	209	220	217	197	199	207	205	5
6	198	208	207	205	200	198	203	203	...	210	219	218	196	199	210	214	6
7	208	217	207	208	201	201	203	208	...	227	220	222	197	201	218	218	7
8	209	225	216	216	197	201	203	211	...	238	220	200	200	199	220	215	8
9	215	226	212	224	196	199	204	220	...	248	215	210	200	199	216	207	9
10	214	227	207	206	184	198	203	214	...	246	218	200	193	195	210	211	10
11	217	235	216	203	185	193	198	210	...	229	220	199	192	190	207	201	11
Noon	217	229	196	196	187	192	197	...*	229	222	228	216	190	196	210	191	Noon
13h	210	226	190	177	190	194	194	...	236	220	230	211	212	197	216	175	13h
14	204	225	188	186	195	186	194	...	220	237	223	199	209	194	200	179	14
15	200	218	178	185	188	186	193	...	206	237	206	186	200	199	187	169	15
16	200	218	198	188	177	192	185	...	202	233	198	180	193	199	190	165	16
17	200	207	172	189	172	190	177	...	194	222	189	175	180	192	192	182	17
18	199	203	168	187	183	187	172	...	188	220	171	180	180	197	191	182	18
19	198	197	188	193	184	184	168	...	182	222	163	174	183	196	181	183	19
20	195	180	184	196	186	179	174	...	182	223	158	188	180	191	174	183	20
21	197	180	183	200	187	182	182	...	193	220	170	171	180	194	175	179	21
22	198	188	188	205	186	190	179	...	191	220	162	171	188	190	162	193	22
23	198	190	178	201	185	203	176	...	192	213	171	179	190	191	169	182	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Hour. / Day.
	·23000 + (C.G.S. UNIT).															
Midnight	186	175	190	199	203	212	216	202	204	205	212	194	203	211	198·1	Midnight
1h	189	180	199	200	203	212	219	213	194	215	213	201	201	212	199·4	1h
2	194	187	199	200	203	217	221	211	194	212	212	210	204	212	203·8	2
3	195	197	198	201	202	211	217	218	192	215	222	202	210	213	203·9	3
4	199	196	199	201	207	212	212	222	194	213	231	203	212	213	205·6	4
5	205	197	199	207	207	211	206	215	198	232	222	201	207	218	207·0	5
6	210	199	200	208	208	221	216	222	201	216	209	204	210	222	208·2	6
7	207	206	204	209	211	223	213	220	203	214	210	204	204	223	210·7	7
8	203	203	205	209	218	224	212	210	203	213	212	205	203	230	211·0	8
9	190	200	200	200	220	224	195	209	203	203	206	210	201	233	209·5	9
10	195	198	198	191	220	232	194	212	201	198	203	213	197	230	206·9	10
11	194	201	202	200	220	240	206	212	213	210	204	218	200	243	208·9	11
Noon	183	207	207	205	227	249	219	210	222	228	208	223	204	241	210·7	Noon
13h	177	207	202	209	225	240	217	222	225	235	189	221	212	231	209·1	13h
14	167	199	193	203	229	235	212	215	221	233	198	215	214	229	206·5	14
15	170	187	190	202	218	231	205	213	214	231	203	204	213	212	200·1	15
16	167	168	189	201	217	229	203	212	201	220	194	200	210	166	196·2	16
17	171	159	189	201	212	223	203	209	199	212	184	194	208	154	191·3	17
18	147	166	190	202	211	222	202	207	203	213	175	200	207	172	190·6	18
19	158	186	192	201	210	222	201	205	206	213	182	201	207	182	192·1	19
20	158	187	191	201	211	223	201	204	204	213	181	201	205	181	191·1	20
21	167	178	191	202	211	224	202	202	194	205	191	200	206	178	191·1	21
22	168	187	191	201	211	222	202	203	199	212	204	201	205	165	192·5	22
23	170	194	195	201	210	225	202	203	203	209	193	202	208	173	193·4	23

* Record defective.

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

SEPTEMBER 1916.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	678	677	677	678	679	677	674	675	674	672	668	674	673	669	667	667	Midnight
1h	677	677	677	680	676	677	674	674	674	671	668	672	671	669	665	666	1h
2	677	676	677	680	677	677	675	674	674	671	667	671	671	668	665	664	2
3	676	675	675	677	677	677	674	674	674	671	668	667	670	666	664	664	3
4	675	675	675	677	677	676	675	674	674	671	665	669	668	666	663	664	4
5	675	675	674	676	676	676	675	674	674	671	668	667	669	666	663	663	5
6	675	674	674	675	674	676	675	674	671	672	667	667	668	666	662	661	6
7	674	672	669	673	673	677	675	674	670	671	668	667	667	665	662	662	7
8	677	676	672	677	677	677	678	675	675	676	673	673	672	670	668	667	8
9	681	681	677	680	682	680	681	677	678	680	677	680	675	674	672	673	9
10	685	683	680	685	686	680	681	675	677	680	680	681	676	675	676	677	10
11	685	677	679	685	683	678	679	674	671	675	677	676	669	667	674	672	11
Noon	680	669	671	680	679	675	672	670	666	668	673	667	661	653	665	661	Noon
13h	675	661	668	674	677	666	662	665	661	662	666	664	656	639	650	659	13h
14	674	653	662	665	673	661	657	664	659	647	660	657	645	628	638	657	14
15	671	645	662	665	667	659	654	665	658	638	659	650	638	627	634	653	15
16	663	647	664	666	667	663	662	668	661	641	663	652	643	636	642	656	16
17	665	655	668	671	672	666	668	670	666	654	669	658	654	647	652	660	17
18	671	665	680	675	678	671	675	674	671	663	673	665	664	658	660	666	18
19	674	669	676	676	677	673	677	676	674	665	676	668	667	662	661	663	19
20	675	672	675	676	676	674	676	676	674	667	677	674	668	663	664	665	20
21	676	675	677	677	677	675	676	676	676	667	677	673	669	666	667	665	21
22	677	676	676	676	676	674	676	676	674	667	680	674	672	667	669	667	22
23	677	677	680	676	677	672	675	674	672	669	679	675	671	668	670	666	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).															
Midnight	667	669	666	662	660	657	655	656	656	657	657	658	656	655	667·0	Midnight
1h	666	668	666	662	661	657	656	655	655	654	654	656	656	655	666·3	1h
2	666	667	665	662	661	657	655	655	655	654	654	654	656	654	666·0	2
3	664	665	665	662	661	658	655	655	654	654	653	655	654	654	665·3	3
4	663	665	664	662	661	658	657	655	655	654	653	656	654	653	665·1	4
5	663	664	664	661	661	658	658	656	657	654	654	657	654	654	665·2	5
6	662	662	663	660	660	658	657	656	657	654	655	657	655	654	664·7	6
7	664	662	663	659	660	659	659	658	659	657	658	657	657	655	664·9	7
8	669	668	669	662	666	667	665	661	663	662	658	662	660	660	669·2	8
9	673	675	674	668	670	669	667	665	667	668	663	663	661	660	673·0	9
10	672	676	675	673	668	668	661	661	665	667	665	657	662	662	673·6	10
11	666	671	668	669	662	662	653	655	657	660	661	651	660	660	669·2	11
Noon	660	659	661	656	648	652	643	647	650	654	648	645	653	653	661·3	Noon
13h	655	651	656	649	642	646	635	641	642	644	631	641	644	642	654·1	13h
14	650	649	656	643	642	646	633	640	641	642	629	639	638	642	649·7	14
15	647	650	651	640	640	648	638	642	640	645	636	643	640	648	648·4	15
16	648	655	648	646	643	649	638	646	644	647	645	648	645	654	651·7	16
17	651	663	651	653	650	650	644	651	648	649	651	653	649	662	657·3	17
18	659	669	657	659	656	653	652	655	652	652	655	655	651	660	663·1	18
19	664	667	658	659	657	654	655	657	654	654	656	655	652	659	664·5	19
20	664	666	659	659	657	654	655	658	655	654	657	656	653	659	665·3	20
21	666	666	660	660	657	654	656	658	657	655	663	657	654	661	666·4	21
22	667	668	661	660	657	655	656	658	657	657	657	658	655	662	666·8	22
23	669	666	662	660	657	655	656	657	656	656	658	658	656	662	666·9	23

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) Highest.	Lowest.	Range.	Mean.	Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. (Centigrade). Mean.	Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
Sept. 1	1016·1	+ 2·0	22·8	16·1	6·7	18·8	−1·6	16·3	14·3	− 0·8	75	+ 2	16·2	14·6	6·4	90	4·9	5·7
2	1016·5	+ 2·5	22·1	16·8	5·3	18·9	−1·5	16·8	15·1	0·0	79	+ 6	17·0	15·2	5·2	145	4·3	7·2
3	1015·1	+ 1·1	23·0	16·6	6·4	19·3	−1·1	16·0	13·3	− 1·9	68	− 5	15·1	13·8	2·7	80	4·6	5·8
4	1013·7	− 0·3	23·7	17·6	6·1	20·7	+0·3	17·1	14·3	− 0·9	67	− 5	16·2	16·9	0·9	10	5·5	7·7
5	1014·2	+ 0·2	23·9	17·8	6·1	20·1	−0·4	17·5	15·5	+ 0·3	75	+ 3	17·4	15·2	3·3	50	5·1	6·3
6	1013·6	− 0·3	22·9	17·4	5·5	19·7	−0·8	17·9	16·4	+ 1·2	81	+ 9	18·5	14·7	4·0	65	3·1	8·9
7	1012·9	− 1·0	24·6	16·4	8·2	20·6	+0·1	17·3	14·7	− 0·5	69	− 3	16·6	14·8	0·0	...	5·1	4·2
8	1013·1	− 0·8	24·9	14·4	10·5	19·8	−0·8	16·4	13·7	− 1·5	68	− 4	15·5	10·1	0·0	....	4·5	4·8
9	1014·8	+ 0·9	20·8	17·1	3·7	18·5	−2·1	16·9	15·6	+ 0·4	83	+11	17·6	13·6	12·4	295	3·3	9·2
10	1016·0	+ 2·2	22·9	17·7	5·2	19·6	−1·0	16·4	13·8	− 1·5	69	− 3	15·6	14·7	1·8	30	4·4	7·4
11	1016·7	+ 2·9	23·5	17·0	6·5	19·8	−0·9	15·9	12·7	− 2·6	64	− 8	14·6	15·2	0·5	35	4·6	7·9
12	1016·0	+ 2·2	23·8	17·0	6·8	20·0	−0·7	17·3	15·2	− 0·1	74	+ 2	17·1	15·1	3·9	50	6·8	7·1
13	1014·7	+ 1·0	23·1	17·8	5·3	20·0	−0·7	17·3	15·2	− 0·1	74	+ 2	17·1	15·8	3·8	50	4·8	6·7
14	1011·9	− 1·8	22·9	17·8	5·1	19·8	−1·0	17·9	16·4	+ 1·1	81	+ 9	18·5	15·7	5·7	85	4·6	6·6
15	1009·7	− 4·0	23·6	18·4	5·2	20·4	−0·5	18·9	17·7	+ 2·3	85	+13	20·1	16·4	3·2	100	4·3	7·9
16	1008·5	− 5·1	24·9	18·9	6·0	21·4	+0·5	19·9	18·7	+ 3·3	85	+13	21·4	17·6	1·1	35	3·1	9·3
17	1008·7	− 4·9	24·9	20·6	4·3	22·3	+1·4	21·2	20·4	+ 5·0	89	+17	23·7	19·8	4·2	90	2·7	9·5
18	1010·5	− 3·0	25·9	20·7	5·2	22·6	+1·7	20·7	19·3	+ 3·9	82	+10	22·2	19·3	0·0	...	4·8	4·4
19	1011·9	− 1·6	25·9	18·9	7·0	22·2	+1·2	19·8	18·0	+ 2·5	77	+ 6	20·4	16·8	0·0	...	5·0	5·0
20	1011·8	− 1·7	25·2	18·0	7·2	21·0	0·0	18·6	16·8	+ 1·3	77	+ 6	18·9	14·8	0·0	...	4·1	5·5
21	1011·6	− 1·8	25·0	16·8	8·2	20·8	−0·3	17·8	15·5	0·0	72	+ 1	17·4	12·8	0·2	5	4·9	4·5
22	1011·8	− 1·6	25·9	17·7	8·2	21·3	+0·2	18·0	15·5	0·0	69	− 2	17·4	15·8	0·5	5	6·1	6·3
23	1011·9	− 1·4	26·5	18·9	7·6	21·8	+0·6	18·9	16·7	+ 1·1	73	+ 2	18·8	15·8	0·0	...	4·0	5·8
24	1012·2	− 1·1	25·8	17·8	8·0	21·4	+0·2	18·2	15·7	+ 0·1	70	− 1	17·7	14·7	0·6	10	4·6	7·4
25	1012·0	− 1·2	24·3	19·4	4·9	21·2	0·0	18·0	15·5	− 0·1	70	− 1	17·4	15·9	0·0	...	3·5	6·9
26	1011·8	− 1·4	25·6	15·3	10·3	20·9	−0·4	17·6	15·1	− 0·6	69	− 2	17·0	11·5	2·0	5	6·1	2·8
27	1011·9	− 1·2	25·6	18·4	7·2	21·8	+0·5	18·9	16·7	+ 1·0	73	+ 2	18·8	16·4	1·2	20	5·4	5·9
28	1012·8	− 0·3	24·7	17·7	7·0	21·0	−0·4	17·8	15·3	− 0·4	70	− 1	17·2	16·4	0·0	...	5·3	5·6
29	1013·1	+ 0·1	25·0	16·4	8·6	20·8	−0·6	17·1	14·3	− 1·5	67	− 4	16·2	12·6	0·2	5	6·4	4·6
30	1013·2	+ 0·3	23·9	18·6	5·3	20·5	−0·9	17·3	14·8	− 1·0	70	− 1	16·7	16·3	2·3	35	5·5	4·4
Mean	1013·0	− 0·6	24·3	17·7	6·6	20·6	+0·3	17·9	15·7	+ 0·3	74·2	+2·5	17·8	15·3	Sum 66·1	Sum 1295	4·7	6·4
Average	1013·6	...	25·3	17·0	8·3	20·9	...	17·8	15·4	...	71·7	...	17·3	13·7	33·1	867	4·7	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 September.

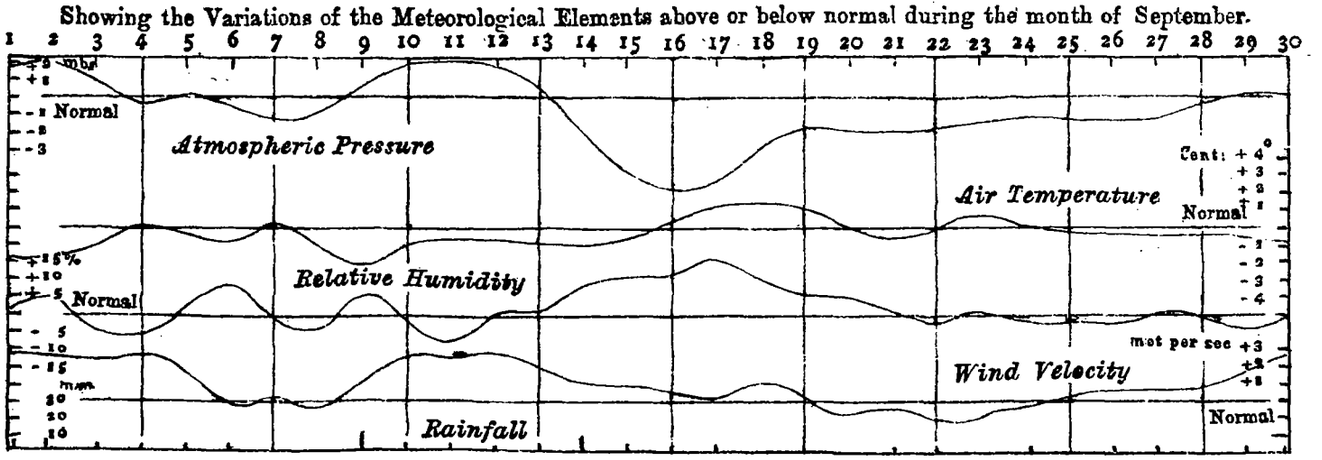

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1916.

Month and Day. 1916.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. 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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
Sept. 1	8·3	71	− 2·8	+ 5·8	64	6·4	− 5	+ 3·0	6·5	+ 2·6	24·9	23·7	21·65	21·21	20·83	f. :cpq: f.q. :cpq:f.q.: cp.
2	6·1	52	− 1·9	+ 6·0	72	6·3	+ 3	+ 2·9	6·4	+ 2·5	24·9	23·7	21·52	21·11	20·68	cpq: f.q. : c.p.q.
3	9·3	79	− 0·9	+ 6·1	82	6·1	+ 13	+ 2·7	6·2	+ 2·3	25·0	23·7	21·26	20·87	20·33	c.p.q. :c.q.: f.q: f.
4	8·5	73	− 1·2	+ 6·2	79	6·3	+ 10	+ 2·9	6·5	+ 2·6	24·9	23·8	21·33	20·98	20·95	c. : c.q: f.q. : c.q.p.
5	8·0	68	+ 0·2	+ 5·7	92	5·7	+ 23	+ 2·3	5·8	+ 1·9	24·9	23·7	21·65	21·36	21·27	c.p. : c.q.p. : f.q.
6	0·5	4	+ 0·4	+ 3·5	96	3·5	+ 27	+ 0·1	3·7	− 0·1	24·8	23·7	21·73	21·49	21·24	o.g.p. : c. : c.p.
7	11·0	93	− 1·1	+ 3·7	73	3·9	+ 3	+ 0·5	4·0	+ 0·2	24·8	23·7	21·89	21·75	22·00	c. : f. : b. : f.
8	10·3	87	− 1·7	+ 3·1	61	3·5	− 9	+ 0·1	3·6	− 0·2	24·8	23·7	22·05	21·86	21·84	f
9	2·9	25	− 2·1	+ 4·2	63	4·7	− 7	+ 1·3	4·8	+ 1·0	24·7	23·7	21·93	21·65	21·18	c.p. :ogqd: o.g.p.
10	9·1	77	− 2·9	+ 5·6	63	6·3	− 7	+ 3·0	6·4	+ 2·6	24·7	23·7	21·58	21·17	20·73	cpq: c.q. :c.p.: c.
11	7·7	65	− 2·2	+ 5·8	69	6·2	− 1	+ 2·9	6·3	+ 2·5	24·8	23·7	21·60	21·04	20·75	c. : c.d: c.q. :f.q.: c.q. :cqp.
12	9·8	82	− 2·0	+ 6·2	72	6·5	+ 1	+ 3·2	6·6	+ 2·8	24·8	23·7	21·56	21·28	21·25	c.q.p. : f.q. c.q.p.
13	9·2	77	− 2·3	+ 5·3	67	5·8	− 4	+ 2·5	5·8	+ 2·0	24·8	23·7	21·78	21·51	21·43	c.p. : f. : c.q:cqp: c : f.
14	8·1	68	− 1·7	+ 4·6	70	4·9	− 1	+ 1·6	5·0	+ 1·2	24·8	23·7	21·71	21·43	21·24	c.p.: f. : c.p.q. : c.q.d.
15	7·9	66	− 0·5	+ 4·6	84	4·6	+ 13	+ 1·3	4·8	+ 1·0	24·7	23·6	21·88	21·88	21·97	c.g.p. : f. : f.q. : c.p. : c.
16	2·3	19	− 0·6	+ 4·3	82	4·4	+ 11	+ 1·2	4·4	+ 0·6	24·7	23·6	22·19	22·17	22·34	c.p: c.g.
17	3·6	30	0·0	+ 3·8	90	3·8	+ 18	+ 0·6	3·9	+ 0·1	24·7	23·7	22·69	22·71	23·11	o.g. : o.g.p. : c.
18	9·9	82	− 0·3	+ 4·9	87	4·9	+ 15	+ 1·7	5·0	+ 1·2	24·7	23·6	23·24	23·32	23·76	c. : f.
19	10·5	88	0·0	+ 3·8	90	3·8	+ 18	+ 0·6	3·9	+ 0·1	24·7	23·6	23·59	23·66	24·17	f. : c. : f. : b.
20	8·4	70	− 0·1	+ 3·1	88	3·1	+ 16	− 0·1	3·2	− 0·6	24·7	23·6	23·71	23·65	23·82	f. : c. : f.
21	10·5	87	− 0·4	+ 3·4	83	3·4	+ 11	+ 0·2	3·5	− 0·3	24·7	23·6	23·55	23·42	23·51	f. : c.p. : f.
22	1·7	14	− 0·8	+ 2·6	73	2·7	0	− 0·5	2·9	− 0·9	24·7	23·6	23·56	23·37	23·54	c.p. : c. : b.
23	6·9	57	− 0·7	+ 2·8	76	2·9	+ 3	− 0·2	3·1	− 0·7	24·7	23·7	23·56	23·42	23·66	f. : c. : f. : c.g: f.
24	3·6	30	− 0·7	+ 3·1	77	3·2	+ 4	+ 0·1	3·4	− 0·3	24·7	23·6	23·62	23·48	23·64	f. :cgp: c.
25	2·1	17	− 1·9	+ 3·3	60	3·8	− 13	+ 0·7	4·0	+ 0·3	24·7	23·7	23·70	23·45	23·59	c. : o. : c. : b.
26	10·1	84	− 1·3	+ 3·9	72	4·1	− 1	+ 1·0	4·2	+ 0·5	24·7	23·7	23·48	23·22	23·36	b. : f. : cp.
27	10·7	88	− 1·2	+ 4·3	74	4·4	0	+ 1·3	4·6	+ 0·9	24·7	23·7	23·75	23·68	24·00	o.g.p. : f.
28	6·9	57	− 1·3	+ 4·2	73	4·4	− 1	+ 1·3	4·6	+ 0·9	24·7	23·7	23·78	23·53	23·50	c. : c.q. : b.
29	10·3	84	− 2·5	+ 4·8	62	5·4	− 12	+ 2·4	5·5	+ 1·8	24·7	23·7	23·42	23·14	23·12	f. : f.q.p.
30	9·8	80	− 2·3	+ 6·2	70	6·6	− 4	+ 3·6	6·7	+ 3·0	24·7	23·8	23·44	23·10	22·82	c.q.p. : f.q. : b.
Mean -	7·47	62·5	− 1·23	+ 4·50	74·7	4·66	+ 3·4	+ 1·41	4·84	+ 1·05	24·76	23·68	22·55	22·33	22·32	...
Average	8·08	67·7	− 1·04	+ 3·07	71·3	3·25	...	...	3·79	...	24·57	23·79	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The characteristic features of the month of September were high relative humidity and wind velocities, excess rainfall and cloudiness with unusually low sunshine. Temperature was practically normal with an absolute range of 6·°6 as compared with the normal range of 8·°3.

The intensification of the southern anticyclonic system referred to last month continued up to the 19th, the total oscillation of pressure—from the anticyclonic maximum to the low—being 10 millibars, between $11^{d}.21^{h}$. to $16^{d}.16^{h}$.

The highest wind velocity for one hour occurred at 10^{h} on the 1st and at Noon on the 12th and reached 9·7 metres per second.

The highest dew point temperature was 21°·4 at Noon on the 17th ; and the lowest 9°·4 at 8^{h} on the 11th.

The highest relative humidity was 96·6 % at 6^{h} on the 17th ; and the lowest 48·5 % at 13^{h} on the 22nd.

The conditions have been extremely unfavourable for the ripening crops all over the Island. In the vicinity of the Observatory rainfall was 100% above normal. The percentage variation of rainfall from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	66 % above
Eastern Districts	,, ,, 2, 3, 4.	75 % above
South-Eastern Districts	,, ,, 5 & 6	60 % above
Western Districts	River System 11	72 % above
	,, ,, 12	128 % above
	,, ,, 13	48 % below

(October 10, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is 181 feet above mean sea-level.)

SEPTEMBER 1916.

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	0160	0168	0167	0150	0144	0140	0140	0134	0144	0160	0173	0176	0170	0141	0110	0101	Midnight
1h	0159	0165	0160	0144	0140	0135	0136	0130	0141	0157	0167	0170	0164	0133	0104	0096	1h
2	0154	0161	0157	0140	0139	0131	0130	0129	0140	0152	0160	0165	0160	0129	0100	0090	2
3	0151	0160	0151	0137	0137	0130	0129	0128	0138	0150	0159	0160	0154	0121	0095	0083	3
4	0150	0160	0151	0131	0136	0130	0127	0126	0136	0149	0160	0158	0150	0119	0093	0082	4
5	0151	0159	0148	0131	0140	0130	0129	0129	0139	0150	0160	0157	0150	0116	0094	0082	5
6	0160	0162	0158	0136	0145	0138	0130	0131	0141	0155	0169	0160	0152	0120	0096	0088	6
7	0170	0171	0161	0140	0152	0142	0136	0134	0150	0161	0173	0163	0160	0123	0102	0091	7
8	0171	0172	0162	0145	0154	0146	0141	0140	0156	0167	0180	0168	0161	0129	0108	0094	8
9	0173	0178	0163	0148	0156	0151	0141	0141	0162	0168	0181	0171	0165	0136	0111	0096	9
10	0171	0178	0162	0142	0155	0151	0141	0141	0165	0169	0179	0171	0162	0136	0111	0092	10
11	0166	0174	0160	0141	0151	0146	0135	0134	0159	0162	0173	0168	0159	0131	0105	0091	11
Noon	0168	0171	0154	0136	0143	0139	0128	0126	0151	0159	0166	0161	0152	0138	0101	0082	Noon
13h	0161	0163	0143	0132	0138	0133	0122	0120	0144	0152	0160	0152	0143	0117	0091	0076	13h
14	0156	0158	0139	0130	0134	0128	0118	0117	0139	0146	0152	0147	0137	0110	0084	0072	14
15	0151	0152	0132	0124	0129	0121	0113	0116	0132	0147	0150	0141	0131	0102	0078	0071	15
16	0151	0151	0133	0122	0130	0122	0111	0117	0133	0145	0150	0141	0128	0101	0079	0071	16
17	0153	0153	0135	0127	0131	0126	0114	0121	0138	0150	0156	0142	0128	0101	0081	0077	17
18	0158	0158	0138	0129	0131	0129	0118	0126	0142	0156	0161	0145	0131	0102	0090	0081	18
19	0160	0160	0144	0136	0138	0133	0122	0131	0150	0167	0166	0153	0134	0107	0093	0082	19
20	0163	0165	0152	0140	0142	0138	0131	0139	0155	0173	0171	0161	0138	0111	0098	0090	20
21	0168	0169	0159	0144	0147	0141	0137	0145	0161	0178	0180	0168	0140	0114	0105	0090	21
22	0170	0169	0154	0142	0145	0142	0139	0144	0162	0178	0179	0170	0141	0116	0106	0090	22
23	0171	0171	0151	0144	0141	0141	0136	0144	0161	0177	0178	0170	0141	0114	0108	0089	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
Midnight	0086	0101	0122	0121	0121	0118	0129	0123	0128	0122	0127	0131	0141	0138	0136	Midnight
1h	0082	0095	0120	0120	0117	0112	0122	0122	0121	0121	0122	0130	0135	0132	0132	1h
2	0079	0091	0114	0116	0113	0109	0118	0119	0117	0118	0119	0123	0130	0130	0128	2
3	0077	0089	0112	0112	0110	0103	0114	0119	0115	0114	0115	0119	0124	0127	0124	3
4	0076	0090	0110	0113	0109	0102	0115	0119	0115	0115	0111	0118	0125	0127	0123	4
5	0076	0098	0114	0116	0112	0109	0118	0121	0118	0119	0114	0120	0130	0131	0125	5
6	0080	0100	0119	0121	0118	0114	0122	0126	0120	0120	0118	0121	0130	0138	0130	6
7	0084	0110	0122	0125	0122	0119	0129	0129	0126	0127	0120	0130	0137	0143	0135	7
8	0091	0115	0129	0130	0128	0124	0132	0132	0132	0131	0127	0136	0141	0149	0140	8
9	0091	0116	0130	0132	0129	0128	0133	0132	0139	0132	0129	0141	0141	0147	0142	9
10	0093	0114	0131	0131	0125	0129	0131	0132	0134	0128	0128	0140	0141	0141	0141	10
11	0091	0105	0130	0126	0121	0123	0124	0126	0131	0121	0121	0134	0139	0141	0136	11
Noon	0086	0098	0120	0119	0116	0117	0116	0120	0120	0116	0116	0129	0130	0131	0130	Noon
13h	0078	0095	0113	0110	0110	0110	0110	0113	0112	0108	0111	0120	0120	0121	0123	13h
14	0076	0094	0107	0109	0101	0109	0106	0110	0108	0100	0109	0117	0119	0118	0118	14
15	0075	0094	0100	0103	0100	0108	0100	0107	0101	0097	0103	0113	0115	0117	0114	15
16	0075	0096	0104	0104	0101	0110	0102	0106	0100	0099	0102	0113	0114	0116	0114	16
17	0081	0100	0111	0107	0104	0112	0106	0109	0105	0101	0110	0117	0118	0118	0118	17
18	0087	0107	0113	0114	0111	0115	0111	0114	0110	0111	0116	0123	0121	0122	0122	18
19	0096	0114	0116	0117	0115	0121	0120	0121	0116	0120	0121	0131	0131	0130	0128	19
20	0101	0119	0121	0121	0120	0127	0122	0127	0121	0124	0129	0139	0134	0136	0134	20
21	0105	0123	0131	0122	0125	0132	0127	0132	0129	0131	0133	0142	0142	0142	0139	21
22	0109	0123	0132	0122	0125	0133	0126	0132	0131	0133	0133	0144	0142	0142	0139	22
23	0105	0123	0128	0122	0122	0133	0124	0132	0127	0131	0132	0143	0141	0139	0138	23

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

Hour. \ Day.	SEPTEMBER 1916.																													
	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	2	10	10	3	10	10	8	7	10	6	8	10	9	10	7	8	10	8	2	2	6	0	2	0	10	0	10	7	2	2	6·3
1h	3	8	6	10	8	10	8	3	7	9	10	6	7	10	8	9	10	9	3	9	5	9	4	0	9	2	9	9	2	5	6·9
2	2	9	5	10	6	9	9	2	8	10	8	7	6	4	10	9	10	7	8	2	4	5	10	3	7	0	10	5	4	5	6·5
3	3	6	7	10	4	10	9	2	9	5	6	8	10	3	10	10	10	2	9	6	1	10	9	9	6	1	10	5	1	5	6·5
4	5	2	7	9	2	10	8	3	10	8	9	8	9	2	9	10	9	3	8	7	1	9	9	9	8	1	10	8	2	6	6·7
5	8	4	7	9	4	10	8	6	10	7	8	7	7	3	8	10	9	4	9	6	1	2	10	9	9	1	10	9	4	7	6·9
6	8	6	10	7	4	10	3	7	6	7	8	7	5	3	8	9	9	5	8	7	2	8	8	10	8	2	8	9	6	5	6·8
7	10	4	10	5	8	9	2	6	8	7	9	6	5	3	7	8	9	6	6	7	2	9	5	9	9	3	7	8	7	6	6·7
8	5	5	9	6	10	9	2	5	8	6	9	6	6	4	7	7	8	6	4	7	6	9	6	9	8	4	3	8	3	7	6·4
9	2	7	9	7	6	7	3	3	10	4	9	5	8	7	6	9	10	6	6	8	6	9	6	10	9	3	6	9	4	7	6·7
10	4	7	8	6	6	9	4	5	10	6	7	7	8	8	4	10	10	6	6	7	3	7	4	9	10	3	5	7	6	7	6·6
11	5	8	9	7	10	10	5	6	9	8	8	6	9	10	9	9	10	5	6	6	3	6	3	7	9	4	5	7	7	8	7·1
Noon	4	8	7	5	7	9	5	7	9	8	9	4	9	10	8	8	10	5	5	6	5	8	4	6	9	4	5	8	4	7	6·8
13h	5	9	7	6	6	8	6	7	10	6	6	5	9	7	7	10	10	5	6	6	6	9	5	8	8	3	5	9	4	8	6·9
14	7	8	6	4	8	9	4	6	10	9	5	6	7	8	8	9	10	6	7	7	6	9	9	9	8	4	6	9	6	4	7·1
15	7	9	4	8	4	8	3	5	9	10	8	5	6	8	8	10	10	6	6	7	6	9	9	9	7	5	5	7	7	4	7·0
16	8	8	3	7	6	8	2	5	10	8	6	7	6	8	7	9	8	4	5	6	7	10	9	8	6	4	5	6	7	6	6·6
17	10	8	3	8	7	9	2	4	10	9	10	8	6	7	8	10	10	5	5	4	7	8	8	9	7	3	5	4	8	4	6·9
18	6	9	2	9	5	8	1	3	10	9	10	6	6	8	7	9	9	3	4	2	9	8	8	5	3	1	3	3	8	2	5·9
19	3	9	3	10	7	10	1	2	10	8	8	9	6	7	8	10	10	2	1	2	7	4	4	6	8	2	1	0	4	0	5·4
20	2	9	3	10	3	7	1	1	10	8	7	7	3	7	9	10	10	2	1	1	2	1	3	7	8	4	1	0	5	0	4·7
21	4	5	4	7	5	8	2	3	10	7	8	10	5	6	9	9	8	2	1	3	5	0	3	8	2	1	3	0	5	0	4·8
22	10	7	2	10	7	8	2	6	10	6	5	10	5	8	9	10	10	0	1	5	7	0	1	7	2	2	6	0	2	1	5·3
23	9	8	2	8	8	9	4	10	10	5	8	10	4	10	8	10	10	2	3	6	5	2	1	6	1	6	5	1	3	0	5·8

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

Hour* Ending. \ Day.	SEPTEMBER 1916.																													
	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	3	0	15	0	0	35	30	7	16	0	13	5	15	1	0	0	2	20	0	30	0	33	5	0	31	25	16	2	0	5·1
8	35	52	46	57	16	1	60	42	8	58	32	47	54	57	37	28	17	50	60	16	54	0	60	0	5	57	46	50	56	53	19·2
9	58	59	39	25	37	5	60	60	37	60	38	57	45	58	59	48	21	60	60	15	50	5	60	0	2	25	47	37	60	46	20·5
10	60	46	60	60	56	7	60	60	23	47	22	59	58	20	59	15	29	60	60	50	60	4	60	4	0	59	60	57	60	60	22·3
11	60	60	46	60	36	2	60	60	20	45	47	60	53	40	44	13	0	60	60	59	60	16	60	60	6	60	60	32	60	60	22·7
Noon	58	50	38	36	59	0	60	60	35	57	60	60	50	42	30	31	3	60	60	50	60	45	60	60	1	60	60	2	60	43	22·5
13h	60	27	60	60	60	4	60	60	1	58	60	60	35	20	44	0	27	58	60	60	60	25	60	57	0	60	60	16	60	59	22·2
14	45	28	60	60	60	0	60	60	0	60	60	60	58	48	58	3	15	60	60	55	60	3	22	17	10	60	60	12	60	60	21·2
15	53	42	60	60	60	0	60	55	28	30	60	60	58	60	54	0	43	60	60	58	60	1	0	10	30	60	60	46	60	60	22·5
16	57	2	57	58	55	8	60	60	15	38	60	55	60	50	31	0	29	60	60	60	60	0	0	3	36	60	60	60	60	60	21·2
17	11	0	60	17	42	3	60	45	0	59	25	55	60	59	46	0	30	42	55	54	48	0	0	0	24	60	60	60	52	60	18·1
18	0	0	29	0	0	0	25	28	0	21	0	3	15	17	10	0	0	25	13	25	25	2	0	0	13	14	45	23	27	30	6·5
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 224·0 hours; the corresponding period during which the sun was above the horizon was 358·2 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

SEPTEMBER 1916.

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

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

(*To obtain temperatures in the Absolute Scale add 273°*)

SEPTEMBER 1916.

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

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

SEPTEMBER 1916.

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	883	942	878	952	900	984	900	944	891	945	886	934	893	916	893	916	Midnight
1h	882	943	880	949	900	962	885	938	889	955	900	938	888	918	893	916	1h
2	883	943	872	942	886	936	892	940	889	956	900	929	908	939	895	912	2
3	882	943	872	941	883	942	900	926	887	964	895	926	907	932	893	917	3
4	882	945	878	932	888	930	900	937	882	945	900	929	908	939	895	911	4
5	870	946	886	935	879	950	889	953	910	948	913	932	900	931	893	916	5
6	900	954	879	931	884	940	889	956	900	941	911	928	895	925	875	910	6
7	877	955	882	943	887	934	874	964	880	949	908	939	894	930	888	930	7
8	856	967	887	965	891	944	872	967	900	946	906	931	883	942	881	928	8
9	884	982	885	977	887	963	884	978	900	959	900	945	874	940	866	934	9
10	846	981	884	982	900	988	866	982	915	976	909	943	872	941	870	945	10
11	850	975	883	987	900	976	866	982	929	970	935	935	890	949	878	952	11
Noon	854	968	853	971	900	979	883	987	915	977	908	940	889	953	868	948	Noon
13h	853	970	886	972	883	990	900	986	931	974	925	938	889	954	874	962	13h
14	856	967	868	978	869	987	900	993	900	974	900	947	900	960	888	961	14
15	873	965	865	985	866	975	900	981	914	973	921	950	877	956	879	952	15
16	857	964	900	980	900	981	884	986	915	977	900	954	888	958	879	951	16
17	867	950	900	973	887	980	900	979	900	972	900	950	870	946	883	941	17
18	883	943	900	959	887	963	900	956	911	953	892	947	883	926	878	933	18
19	878	952	875	961	900	963	889	955	900	950	896	939	880	920	882	918	19
20	869	946	877	955	900	958	890	955	900	950	892	921	888	931	887	919	20
21	877	956	880	949	900	954	872	950	900	947	892	920	885	937	883	925	21
22	877	956	889	953	900	951	887	942	886	938	893	918	892	918	888	919	22
23	900	966	865	953	900	948		963		934		916	893	917	890	925	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	890	925	876	936	885	938	882	945	882	944	891	943	887	934	896	919	Midnight
1h	878	922	883	943	887	932	900	951	883	941	893	933	893	934	891	922	1h
2	886	922	875	938	877	935	879	950	881	946	886	934	900	921	890	923	2
3	884	924	882	944	875	937	877	955	883	941	885	938	891	921	887	932	3
4	881	912	883	941	883	942	882	945	900	951	879	950	900	939	883	925	4
5	890	925	876	936	885	937	879	950	885	938	879	951	893	935	889	929	5
6	886	934	865	953	871	944	884	939	883	942	873	941	884	924	889	928	6
7	877	935	864	955	866	951	882	944	881	947	878	922	884	939	886	936	7
8	881	946	863	956	880	949	873	965	879	952	866	934	900	955	900	950	8
9	876	957	852	972	862	957	866	983	875	961	887	966	900	969	878	953	9
10	881	946	841	959	855	967	867	980	883	986	878	954	885	974	887	963	10
11	859	941	849	977	868	977	848	977	883	983	900	969	900	970	900	963	11
Noon	887	965	865	984	883	986	900	997	870	973	913	964	863	956	900	961	Noon
13h	875	961	851	974	900	983	900	988	866	952	875	960	913	965	900	967	13h
14	876	957	868	978	868	978	868	989	884	980	872	967	900	968	900	862	14
15	863	957	872	967	867	979	884	978	858	963	873	966	886	968	900	865	15
16	874	962	870	973	883	983	885	981	850	950	879	951	900	969	920	948	16
17	878	952	871	970	873	965	876	976	860	960	879	951	900	969	908	941	17
18	879	952	872	968	891	942	881	957	877	956	891	945	900	951	886	935	18
19	883	943	877	955	867	949	879	947	872	941	885	937	894	942	893	936	19
20	883	942	876	936	887	963	875	951	884	940	883	941	900	931	886	934	20
21	879	951	884	940	874	964	880	938	876	936	886	936	900	930	900	946	21
22	882	945	891	946	890	950	881	949	878	954	887	932	900	932	891	942	22
23	885	938	884	940	886	969		947	879	931		932		925	892	937	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs, and are published to the nearest metre*).

SEPTEMBER 1916.

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	900	934	900	937	889	926	895	925	896	918	895	924	880	920	896	919	Midnight
1h	900	935	900	940	888	931	896	921	893	915	900	922	884	916	896	918	1h
2	900	930	900	939	893	933	895	926	897	916	900	931	886	921	889	927	2
3	900	932	900	936	888	930	896	921	894	914	900	918	887	919	883	942	3
4	900	930	887	934	889	927	900	917	894	928	895	922	885	915	878	922	4
5	900	931	889	929	890	923	897	916	890	923	895	923	895	926	889	928	5
6	900	931	893	935	888	930	892	918	893	917	892	919	892	919	892	911	6
7	893	936	893	936	888	931	891	921	890	923	891	922	893	916	893	909	7
8	900	945	891	946	900	955	891	921	892	938	886	921	894	928	893	910	8
9	910	947	889	954	900	957	892	940	919	946	892	940	892	940	908	937	9
10	881	946	887	964	911	955	900	947	889	954	894	930	900	948	909	942	10
11	900	942	900	968	911	955	910	948	900	958	907	936	919	947	917	943	11
Noon	909	942	914	971	922	953	918	944	878	954	900	926	919	946	890	949	Noon
13h	900	947	900	977	920	949	918	944	900	956	900	937	900	950	890	947	13h
14	900	947	900	972	910	951	917	941	900	955	882	943	884	937	917	941	14
15	900	948	900	966	910	951	909	945	918	945	900	931	886	939	869	931	15
16	909	943	914	967	917	943	900	942	880	948	881	913	887	935	900	950	16
17	908	940	900	963	900	945	900	944	900	946	888	931	887	933	886	943	17
18	892	939	900	952	900	942	892	931	900	944	888	931	893	932	888	936	18
19	906	929	900	950	900	932	890	919	905	929	882	927	892	916	890	930	19
20	900	932	892	944	896	923	890	925	895	923	889	916	893	919	888	925	20
21	900	936	885	937	896	919	883	924	890	922	873	927	893	915	889	931	21
22	893	933	888	937	889	921	896	941	893	923	890	924	890	915	889	928	22
23	900	938		930		926		918		915	887	920		925		926	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	888	931	889	927	879	931	893	936	887	919	878	954	889	934	Midnight
1h	894	930	886	922	887	913	892	941	889	916	879	951	890	932	1h
2	889	927	888	918	883	917	900	946	892	911	889	954	890	932	2
3	882	918	886	921	885	923	888	930	887	919	879	952	888	932	3
4	887	920	885	923	886	921	892	919	887	920	865	952	888	931	4
5	884	916	889	917	886	934	892	919	888	919	889	954	890	932	5
6	887	913	889	916	892	940	890	925	878	919	880	949	887	931	6
7	881	919	884	924	892	939	886	934	875	933	888	960	885	936	7
8	885	937	883	942	876	936	889	956	864	959	871	971	885	945	8
9	853	947	875	959	900	954	862	957	854	954	869	976	883	957	9
10	836	943	863	957	888	958	900	965	873	968	864	988	880	961	10
11	851	933	887	965	888	959	875	960	842	966	900	984	889	962	11
Noon	874	939	900	966	900	964	921	950	869	958	883	987	891	962	Noon
13h	861	958	887	962	888	959	886	969	871	974	881	993	891	964	13h
14	869	946	900	960	900	963	900	975	856	971	866	983	890	964	14
15	900	950	889	955	888	961	872	967	868	966	853	971	884	960	15
16	900	955	876	958	900	965	874	963	873	977	867	979	888	960	16
17	891	944	889	953	878	954	867	950	876	966	870	972	887	955	17
18	885	938	891	943	879	950	881	928	876	957	879	952	889	945	18
19	885	923	886	934	891	942	887	932	878	958	876	936	887	939	19
20	885	923	893	932	892	937	886	935	878	952	891	945	889	937	20
21	889	928	889	927	887	933	881	928	878	954	872	942	887	937	21
22	891	921	892	937	884	939	883	926	878	953	879	950	888	936	22
23	889	929	896	919	883	942	884	916	879	950	883	941	888	935	23

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

SEPTEMBER 1916.

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

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

TABLE XIII.—DIRECTION of the WIND at every HOUR of the DAY during the MONTH of SEPTEMBER 1916.
(*The days on which the Normal Trade Winds were interrupted are indicated by an asterisk* *).
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	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	Hour. Mauritius Standard Time.
	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	
Midt.	6	6	8	8	7	6	6	6	6	5	6	6	6	7	6	7	8	8	6	7	7	7	4	7	6	6	5	7	5	6	Midt.
1h	6	6	8	6	7	8	5	6	4	6	6	8	6	7	7	6	8	8	6	7	6	8	4	7	7	5	4	7	5	6	1h
2	6	5	6	7	7	8	9	6	5	5	5	6	6	6	8	6	8	8	7	7	7	8	5	6	6	5	4	8	5	7	2
3	6	5	6	8	7	7	9	6	5	6	5	6	6	6	6	6	8	8	6	7	6	8	5	6	4	5	5	6	5	6	3
4	6	5	6	8	6	8	9	6	3	6	6	6	8	6	8	5	8	6	6	8	7	7	4	4	5	5	5	6	5	5	4
5	5	6	6	7	9	10	8	6	6	5	6	6	6	6	7	6	8	6	6	7	6	7	7	6	4	5	6	6	5	7	5
6	8	5	6	7	8	10	7	2	6	5	5	6	6	5	5	6	8	7	6	6	6	6	6	5	4	5	7	6	5	6	6
7	6	6	6	6	6	9	7	6	5	5	5	6	6	4	6	6	7	7	6	6	6	6	6	5	4	5	7	6	5	7	7
8	5	7	7	6	8	9	6	5	6	5	6	6	6	4	8	8	8	7	8	6	7	5	7	5	6	6	5	7	6	6	8
9	7	7	7	7	8	8	5	4	6	5	5	6	6	7	8	6	9	7	8	7	10	7	7	9	4	6	8	5	5	6	9
10	5	7	8	6	9	9	5	5	6	4	5	6	7	6	7	7	6	7	9	8	7	7	8	9	3	5	7	8	5	6	10
11	5	7	8	6	10	12	7	6	4	5	6	5	7	8	8	8	8	8	9	9	8	9	10	10	3	7	7	6	6	8	11
Noon	5	5	8	7	9	9	7	5	7	6	7	8	6	9	5	8	9	9	10	10	6	8	10	7	5	8	8	10	4	7	Noon
13h	5	7	8	8	10	11	7	6	6	5	8	8	5	6	9	8	8	8	10	10	8	8	8	7	5	7	7	7	6	7	13h
14	5	6	7	8	8	8	8	7	6	6	6	8	7	6	8	8	8	8	9	10	8	6	8	10	5	8	8	8	6	6	14
15	6	6	6	8	9	10	6	6	5	6	6	6	5	6	7	8	8	8	9	9	10	8	6	4	8	7	7	6	5	5	15
16	5	8	6	8	9	8	7	6	6	6	7	7	4	6	8	10	9	9	10	8	6	3	6	8	8	6	8	6	6	6	16
17	5	8	8	7	8	8	5	6	6	6	6	7	5	6	8	9	9	8	8	8	8	6	6	8	7	7	6	5	6	6	17
18	6	8	7	8	9	8	5	5	6	6	5	6	6	7	8	6	7	8	8	8	8	6	6	6	6	7	6	5	6	6	18
19	6	6	7	8	8	7	4	4	6	6	7	6	5	6	8	7	9	8	8	6	8	5	6	6	5	6	7	6	6	5	19
20	5	6	8	7	8	7	6	5	6	5	7	6	6	6	7	6	8	8	8	6	9	5	6	6	5	7	7	6	6	7	20
21	6	6	8	7	8	6	6	5	6	6	6	5	5	6	8	8	8	7	7	6	7	4	6	6	6	6	6	5	6	5	21
22	6	7	8	5	8	6	6	5	6	7	7	6	6	6	8	7	7	6	7	6	6	6	6	6	6	7	6	5	6	6	22
23	8	5	8	7	6	6	6	6	6	6	7	6	5	6	8	7	8	6	6	7	6	5	6	6	6	7	6	4	6	6	23

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of SEPTEMBER 1916.

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	22·0	21·8	21·6	21·5	21·5	21·4	21·6	21·9	21·5	21·2	20·9	20·8	20·8	21·2	21·7	21·7	20·6	20·0	19·3	19·6	20·8	22·5	22·5	21·5
2	21·7	21·7	21·6	21·5	21·5	21·3	21·3	21·6	21·3	21·2	20·8	20·6	20·8	21·2	21·4	21·3	20·5	19·9	19·5	19·4	21·4	22·1	21·9	20·8
3	21·6	21·2	21·2	21·0	21·1	21·1	21·3	21·6	21·5	20·8	20·6	20·4	20·3	20·8	21·4	21·3	20·6	19·3	19·0	19·0	20·0	21·9	21·9	21·2
4	21·6	21·4	21·2	21·1	21·0	21·1	21·5	21·6	21·1	20·8	20·5	20·4	20·5	21·0	21·6	21·7	20·2	19·7	19·4	19·4	21·0	22·7	22·7	22·0
5	21·8	21·7	21·6	21·6	21·4	21·4	21·6	21·8	21·6	21·3	21·0	20·9	21·0	21·3	21·8	21·8	21·3	20·7	20·1	20·1	20·9	22·6	22·3	22·1
6	22·2	21·8	21·7	21·6	21·5	21·6	21·7	21·8	21·7	21·4	21·2	21·1	21·1	21·5	21·7	22·3	21·3	20·7	20·2	20·2	21·1	22·1	22·4	22·2
7	22·0	21·9	21·7	21·6	21·5	21·7	22·1	22·4	21·3	21·4	21·2	21·1	21·2	21·9	22·7	22·7	20·7	20·7	20·5	20·1	22·2	24·2	24·1	23·0
8	22·4	22·3	21·9	21·8	21·7	21·8	22·1	22·4	22·3	21·8	21·3	21·1	21·1	21·9	22·6	22·6	21·6	20·6	19·8	19·7	21·8	24·1	24·0	22·9
9	22·4	22·3	22·1	21·9	21·8	21·8	21·7	21·8	22·6	21·8	21·6	21·4	21·3	21·7	21·8	21·7	21·9	20·8	20·5	20·5	21·2	22·1	22·0	21·1
10	21·5	21·7	21·5	21·6	21·4	21·5	21·6	21·7	21·0	21·2	21·0	20·8	20·7	21·2	21·7	21·6	20·7	20·1	19·7	19·5	20·4	22·2	22·1	21·2
11	21·9	21·7	21·5	21·3	21·2	22·2	21·4	21·6	21·4	21·0	20·7	20·5	20·5	21·0	21·6	21·7	20·5	20·4	19·5	19·3	20·6	21·2	22·6	21·7
12	21·8	21·6	21·5	21·3	21·2	21·4	21·6	21·9	21·4	21·1	20·8	20·7	20·7	21·4	22·0	22·0	20·9	20·2	19·7	19·7	21·0	23·1	23·1	22·1
13	22·0	22·0	21·7	21·7	21·5	21·6	21·7	21·9	21·8	21·5	21·2	21·1	21·1	21·6	21·9	22·0	21·4	20·8	20·2	20·1	21·2	22·8	22·8	21·9
14	22·0	21·9	21·7	21·6	21·5	21·5	21·7	21·8	21·7	21·3	21·1	21·0	20·8	21·5	21·9	22·0	21·6	20·5	20·0	19·8	21·1	22·7	22·7	21·8
15	22·1	21·8	21·6	21·6	21·6	21·8	22·1	22·3	21·7	21·5	21·5	21·6	21·3	22·1	22·6	22·6	21·0	20·7	20·7	20·5	22·0	23·9	23·6	22·8
16	22·3	22·3	22·2	22·1	22·0	22·1	21·7	22·5	22·2	22·1	21·8	21·7	21·7	22·2	22·7	22·7	21·8	21·4	21·2	21·1	22·5	23·8	23·6	23·0
17	22·7	22·6	22·5	22·5	22·5	22·6	22·8	23·1	22·7	22·3	22·3	22·3	22·4	22·8	23·2	23·5	22·6	22·2	21·9	21·9	23·0	24·3	24·6	24·0
18	23·3	23·2	23·1	23·0	22·9	23·1	23·4	23·7	23·2	23·1	22·9	22·8	22·8	23·5	24·0	24·0	23·2	22·8	22·5	22·4	23·7	25·5	25·3	24·5
19	23·7	23·6	23·6	23·3	23·2	23·4	23·7	24·0	23·7	23·4	23·2	22·9	23·1	23·8	24·4	24·5	23·5	23·0	22·8	22·5	24·2	26·3	26·1	24·8
20	24·1	24·0	23·7	23·5	23·3	23·3	23·7	24·0	24·0	23·7	23·3	23·0	23·1	23·6	24·3	24·3	23·7	23·0	22·4	22·1	23·8	25·5	25·6	24·7
21	24·3	23·8	23·5	23·3	23·1	23·2	23·5	23·8	23·9	23·4	23·0	22·7	22·7	23·5	24·1	24·1	23·4	22·4	21·6	21·4	23·2	25·8	25·6	24·6
22	24·0	23·7	23·6	23·4	23·2	23·3	23·6	23·7	23·8	23·5	23·2	22·8	22·8	23·4	23·8	23·8	23·6	23·4	22·3	22·2	23·2	25·1	24·8	24·0
23	23·8	23·6	23·4	23·2	23·2	23·4	23·7	24·0	23·4	23·2	23·0	22·7	22·8	23·8	24·1	24·1	23·0	22·4	22·1	22·0	24·1	26·0	25·3	24·3
24	24·0	23·7	23·7	23·3	23·2	23·3	23·6	24·0	23·7	23·4	23·2	22·8	22·8	23·5	24·1	24·1	23·2	22·3	22·1	22·1	23·4	25·6	25·5	24·6
25	24·1	24·0	23·7	23·6	23·5	23·4	23·6	23·9	23·9	23·5	23·3	23·1	23·1	23·3	23·7	23·8	23·7	23·0	22·4	22·4	23·4	24·6	24·9	24·1
26	23·9	23·7	23·4	23·2	23·1	23·2	23·5	23·8	23·5	23·2	22·7	22·4	22·5	23·3	24·0	24·1	24·3	22·2	21·2	21·2	23·1	25·4	25·4	24·5
27	24·0	23·7	23·6	23·5	23·3	23·6	23·9	24·2	23·7	23·5	23·2	23·0	23·1	23·8	24·5	24·4	23·5	23·0	22·5	22·4	24·2	26·0	25·9	24·5
28	24·3	24·0	23·9	23·6	23·4	23·6	23·7	23·9	23·9	23·7	23·3	23·0	23·1	23·6	23·8	23·8	23·7	22·9	22·4	22·3	23·7	24·7	24·9	23·9
29	24·0	23·7	23·4	23·1	23·0	23·0	23·4	23·8	23·6	23·1	22·7	22·3	22·3	23·2	23·9	24·0	23·1	21·7	21·1	21·1	22·8	25·3	25·4	24·3
30	24·0	23·7	23·5	23·4	23·1	23·2	23·4	23·6	23·6	23·2	22·8	22·7	22·6	23·0	23·6	23·6	23·1	22·3	21·7	21·7	22·3	23·7	24·4	23·5
Mean	22·85	22·67	22·50	22·36	22·25	22·36	22·54	22·80	22·56	22·25	21·98	21·79	21·80	22·39	22·89	22·93	22·14	21·44	20·94	20·86	22·24	23·93	23·93	23·05

§ Direct. † Retrograde.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of SEPTEMBER 1916.

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.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Sept. 1d		...	...	4·8	5·8	5·3	6·1	4·6	7·6	9·1	12·9	...	9·9		10·7	1·1
2		...	12·5	12·7	2·8	5·8	...	4·1	6·1	43·9	3·0	2·3	4·8		1·0	12·4
3		5·0	...	17·8	7·4	26·9	...	9·1	22·4	...	26·7	...	36·8		10·2	...
4		0·8	...	...	0·5	0·5	24·4	...	...	6·3	7·9	6·3	1·3		3·3	...
5		...	3·0	0·8	1·8	2·3	5·1	1·0	5·8	7·6	...	0·8	7·1		2·8	...
6		...	...	2·0	5·1	12·4	7·6	2·5	6·3	...	...	1·0	...		3·0	6·1
7		...	...	1·3	2·3	1·0	...	0·5	0·8	...	...	...	13·2		...	1·0
8		...	1·5	...	...	1·5	...	0·8	...	8·9	...	...	1·3		2·3	1·2
9		1·4	5·5	2·0	1·5	1·8	2·5	...	6·1	14·2	3·8	4·8	9·9		...	5·0
10		4·1	...	13·7	12·2	2·5	...	16·5	20·8	7·1	19·8	6·6	9·4		7·6	...
11		0·6	...	1·5	1·5	0·5	13·7	1·5	1·5	3·0	...	...	0·5		...	...
12		2·0	2·3	2·5	2·3	2·3	2·0	2·0	3·3	2·8	4·6	...	3·3		2·8	1·4
13		2·0	3·4	2·0	2·0	0·8	...	...	...	9·1	...	...	8·1		...	...
14		0·6	12·5	5·1	7·1	2·8	2·0	...	...	31·7	...	3·3	18·8		4·6	...
15		4·2	1·6	14·0	6·6	16·3	...	3·6	...	6·8	20·8	2·3	7·1		14·0	...
16		2·4	1·5	3·3	1·5	9·4	3·8	9·1	20·3	7·1	3·6	...	23·4		5·3	1·2
17		4·1	1·5	4·6	1·8	6·1	...	...	4·2	7·6	1·5	...	6·9		...	4·3
18		...	...	2·5	3·0	7·1	20·3	1·0	2·0	...	4·1	3·8	2·5		11·4	...
19		...	...	...	...	...	...	...	...	...	...	...	...		...	...
20		...	...	...	...	...	...	...	...	...	...	...	...		...	...
21		...	...	...	...	...	...	...	...	...	...	...	...		...	...
22		...	...	...	0·3		1·5	...	...	9·4	...	...	...		...	...
23		1·6	...	5·3	0·5	0·5	3·6	...	...	5·1	15·0	1·5	11·9		...	...
24		...	...	2·5	0·3	1·3	...	3·0	5·6	...	...	10·5	6·9		1·8	9·1
25		...	...	...	...	...	3·6	...	1·3	2·5	...	1·0	0·3		...	...
26		6·0	...	...	...	7·9	19·4	6·7	17·8	4·3	...	4·3	0·8		...	5·0
27		1·0	...	3·6	5·1	0·2	...	...	...	3·0	...	...	16·5		8·6	...
28		...	...	...	...	4·1	...	...	5·8	6·6	...	2·5	3·5		4·1	...
29		3·2	...	0·8	...	2·3	...	...	8·9	12·2	...	...	3·8		5·3	...
30		3·7	15·0	1·3	1·8	4·1	6·1	1·3	...	50·8	11·9	0·8	4·1		...	20·0
Total ...	...	42·7	60·3	104·1	73·2	125·7	121·7	67·3	146·6	259·1	135·6	51·8	212·1		98·8	67·8

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of SEPTEMBER 1916.

Day. \ Station.	River System No. 6					River System Nos. 7, 8 & 9.		River System No. 11.				River System No. 12.				
	St. Aubin.	Britannia. No. 1.	Flora.	Labarraque.*	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion.	Mare aux Vacoas.	Salency.	Réduit.*	Alma.	Military Camp.	La Ferme.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Sept. 1d	2·0	6·3	5·1	3·3	6·0	17·5	12·4		1·3	11·7	21·6	6·9	7·3	26·7		1·3
2	8·0	11·7	4·1	5·8	11·0	33·2	44·4		...	15·7	20·8	12·7	...	51·8		1·8
3	19·0	52·1	36·8	13·3	31·0	2·5	29·0		0·5	12·2	43·7	21·6	...	3·2		1·3
4	1·0	...	2·5	...	1·0	...	4·2		...	5·1	4·6	0·7	28·5	4·6		0·2
5	1·0	2·8	6·9	...	2·0	...	2·0		...	3·8	10·2	2·5	0·6	8·9		0·3
6	1·5	4·3	7·1	6·1	4·0	...	...		...	...	10·9	1·8	2·0	1·3		0·5
7	1·5	4·0	5·1	...	4·0	...	...		...	...	3·8	...	0·9	1·3		...
8	...	1·3	...	...	...	5·3	1·0		...	...	0·8	1·0	0·5	3·3		0·3
9	2·0	14·2	5·1	2·5	3·5	3·8	16·8		...	6·1	13·5	3·8	4·7	34·8		1·0
10	...	1·3	...	...	2·0	...	28·7		9·1	31·5	24·9	12·7	...	6·9		11·2
11	...	...	3·8	...	...	...	3·8		1·5	7·4	5·0	2·5	14·0	5·1		0·3
12	...	...	...	...	2·0	...	3·8		2·3	4·3	9·4	1·0	4·0	2·3		0·2
13	...	1·8	...	...	3·0	7·5	1·8		...	7·1	5·6	4·1	1·0	6·6		0·5
14	...	1·8	5·6	1·8	...	8·9	11·9		...	3·3	16·5	7·1	3·7	11·9		1·3
15	12·0	28·2	15·2	4·8	14·0	4·6	...		...	5·1	29·2	2·9	1·5	10·7		...
16	1·0	11·9	4·6	...	5·0	1·3	1·8		...	12·4	12·2	0·8	1·0	7·6		0·2
17	3·0	15·5	22·9	...	14·0	...	...		...	2·3	11·7	1·3	...	14·0		...
18	...	10·7	10·2	...	6·0	...	2·5		3·8	4·8	14·2	3·0	3·5	...		2·0
19	...	...	...	...	...	...	...		...	...	0·8	...	0·7	...		...
20	1·0	...	...	...	...	...	...		...	...	...	...	0·1	...		...
21	...	...	...	...	1·0	...	...		...	...	...	...	0·1	1·5		...
22	...	...	1·8	...	1·0	1·5	...		...	...	...	...	0·5	3·6		...
23	8·0	1·3	7·6	...	5·0	...	...		...	...	7·6	2·0	0·4	2·5		...
24	...	...	5·1	8·9	2·0	...	...		...	...	0·5	2·3	..	...		0·8
25	...	...	...	...	...	...	...		...	0·5	...	...	1·0	...		...
26	...	4·3	...	...	...	...	...		...	...	...	...	0·4	2·0		...
27	7·0	4·8	16·5	3·1	7·0	...	...		...	...	17·8	...	...	2·8		...
28	4·5	1·5	11·4	...	3·0	...	...		...	...	11·4	...	0·2	2·0		...
29	...	19·8	6·3	2·0	...	6·9	...		...	...	4·8	0·8	0·6	25·4		...
30	1·0	16·0	7·6	...	6·0	61·7	12·7		...	15·0	34·3	5·8	0·2	19·0		0·2
Total ...	73·5	215·6	191·3	51·6	133·5	154·7	176·8	...	18·5	148·3	335·8	97·3	77·4	259·8	...	23·4

Observations discontinued temporarily.

* Mill

§ Record not received.

* " Record for Reduit defective. Amount on 24th is total fall from 1st to 24th. "

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

SEPTEMBER 1916.

Royal Alfred Observatory, Pamplemousses.

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

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

Hour Ending. \ Day.	2d.	13d.	14d.	15d.	16d.	18d.	19d.	20d.	23d.	26d.	27d.	30d.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	0·8	...	...	...
3	...	...	...	...	...	...	...	0·5	0·5	...	...	...
4	1·0	...	...	...	...	...	...	...	...	...	0·5	...
5	0·5	...	...	...	...	...	...	...	...	...	0·5	1·3
6	...	...	...	...	...	...	...	...	...	1·5	0·8	...
7	...	...	...	...	...	...	...	...	...	2·0	10·1	...
8	2·5	...	...	...	...	0·2	...	...	..	...	...	1·5
9	0·8	...	...	...	...	...	...	...	...	...	...	...
10	...	...	1·0	...	0·3	...	...	...	...	0·3	...	...
11	...	...	...	0·8	0·5	...	...	...	...	...	...	...
Noon	0·3	...	...	0·2	...	...	...	...	...	...	...	...
13h	...	...	0·3	1·5	...	...	...	...	...	...	...	...
14	...	...	...	0·2	...	8·4	...	...	...	...	...	...
15	...	...	...	0·5	...	...	...	...	...	...	...	...
16	...	11·7	...	...	...	...	...	...	...	...	...	...
17	...	1·0	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	0·3	...	1·8
19	...	0·3	...	...	...	...	...	...	...	...	...	...
20	...	0·5	..	0·2	...	...	0·2	...	...	0·3	...	...
21	...	0·5	...	0·8	...	...	...	...	...	...	...	...
22	...	...	0·5	...	...	...	...	...	...	...	...	...
23	...	...	...	0·8	...	...	...	...	...	0·2	...	...
Midnight	...	0·5	...	0·8	...	...	...	...	...	...	...	...

TABLE XVII.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of SEPTEMBER, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	1	Mare Sèche *	20	1·95	49·5	...	18
	2	Union *	200	2·41	61·2	...	14
	3	St. Antoine	50	1·64	42·7	28·2	16
	4	Belmont...	50	1·69	42·9	32·5	12
	5	Poudre d'Or	20	1·53	38·8	33·5	11
	6	Poudre d'Or Hospital ...	10	1·27	32·2	20·1	6
	7	Mon Loisir (R)* ...	300	3·04	77·2	...	16
	8	Mon Loisir S.E.* ...	300	2·42	61·5	...	17
	9	Forbach	300	2·33	59·2	26·2	15
	10	Labourdonnais	290	2·37	60·3	90·9	11
	11	Beau Séjour	300	4·10	104·1	58·9	21
	12	Mont Piton	860	3 84	97·5	67·8	20
	13	Mon Choix	700	3·77	95·8	53·3	19
	14	Antoinette	640	4·95	125·7	57·4	21
	15	California	850	3·74	95·0	62·5	9
	16	Nouvelle Découverte ...	1,400	4·95	125·7	68·8	25
	17	Mon Songe	620	6·19	157·2	66·3	22
	18	La Grande Rosalie ...	643	3·08	78·2	62·5	13
	19	The Mount	325	4·05	102·9	38·6	18
	20	Botanic Gardens ...	325	2·88	73·2	45·7	22
	21	Beau Plan§	195	...	...	...	...
	22	The Observatory ...	179	2.61	66·2	38·9	22
	23	Solitude *	175	3·53	89·7	...	14
	24	St. André *	90	1·82	46·2	...	14
	25	Belle Vue Harel ...	350	3·21	81·5	44·4	13
	26	Mont Choisy	10	2·24	56·9	27·7	16
	27	Belle Vue (S. Est.) * ...	...	3·01	76·4	...	14
	28	Rosalie *	...	4·33	110·0	...	20
	29	Constance *	...	2·56	65·0	...	20
	30	Belle Vue Maurel * ...	...	5.52	140·2	...	19
	31	Esperance (Trébuchet) *	...	2·59	65·8	...	9
	32	Schœnfeld *	...	1·81	46·0	...	8
	33	Industrie *	...	4·17	105·9	...	18
	34	St. François Estate * ...	...	...	...	...	...
	35	Réunion Estate * ...	...	1·56	39·6	...	12
	36	Souvenir *	...	2·85	72·4	...	15
	37	Mon Rocher *	...	3·05	77·4	...	17
	38	Bon Espoir	...	...	..	...	...
	39	Ile d'Ambre §	...	...	...	...	...
	40	La Salette *	...	2·41	61·0	...	9
	41	Leclézio Mapou * ...	...	2·49	63·2	...	13
2 & 3	1	Union Régnard ...	600	4·47	113·5	58·2	24
	2	La Grande Retraite§ ...	350	...	...	...	...
	3	Constance d'Arifat L.G.	100	2·65	67·3	42·7	16
	4	St. Julien Church* ...	1,050	5·77	146·6	...	18
	5	Rich Fund *	600	4·79	121·7	...	15
	6	Constance (Manès) S. E.	...	3·78	95·0	...	9
	7	Queen Victoria * ...	...	4·02	102·1	...	19
	8	Belle Mare *	...	2·01	50·8	31·5	7
	9	Beau Bois (Flacq) * ...	...	...	...	...	...
	10	Bel Etang (Lesur)* ...	...	5·92	150·4	...	17
	11	Bon Espoir §	...	...	...	...	...
	12	Belle Vue (Allendy) *...	...	3·55	90·2	...	16
4	1	Sans Souci	900	10·22	259·1	140·2	22
	2	Etoile	400	5·34	135·6	90·7	13
	3	Beau Champ	20	2·04	51·8	29·5	15
	4	Belle Rive *	400	6·21	157·7	...	22
	5	Olivia *	400	2·97	75·4	...	18
	6	Deep River *	350	5·92	150·4	...	13
	7	Unité §	...	...	...	...	...
	8	Belle Rose Estate * ...	...	3·49	88·6	...	9
	9	La Lucie Estate * ...	...	2·71	68·8	...	14
	10	La Lucie (Residence)*...	...	3·31	84·1	...	14
	11	Melrose *	...	13·97	353·2	...	26
	12	Bonne Veine *... ...	...	10·06	254·1	...	21
5	1	Rose Belle *	850	8·35	212·1	...	25
	2	Cent Gaulettes ...	500	9·07	230·4	124·2	28
	3	St. Hubert *	400	8·10	205·7	...	19
	4	Riche-en-Eau §... ...	460	...	...	...	...
	5	Ferney	20	3·89	98·8	79·8	17
	6	Beau Vallon	60	2·64	67·8	48·8	12
	7	Union Vale	200	5·26	133·6	49·0	11
	8	Mon Désert (Carié) * ...	75	1·91	48·5	37·3	17
	9	Riche Bois *	1,420	4·53	115·1	...	14
	10	Cluny *	1,000	10·29	259·3	142·7	18
	11	Virginia Estate * ...	...	1·51	38·3	...	18
	12	Eau Bleue *	...	8·50	215·9	...	28
	13	Union Park *	...	10·04	255·0	...	26
	14	Plaisance Estate * ..	...	2·06	52·3	...	13
	15	Sauveterre Estate * ...	...	2·22	56·4	...	13
	16	Deux Bras Estate * ...	...	6·53	165·8	...	15

River System.	Register Number	Station.	Approximate Altitude Feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
6	1	Kanaka	2,000	13·42	340·4	185·2	25
	2	Tivoli	1,300	8·38	212·8	151·4	23
	3	La Flora *	1,050	75·3	191·3	...	21
	4	Britannia (No. 1) ...	730	8·48	215·6	103·4	21
	4a	Britannia (No. 2)* ...	600	2·35	59·7	...	12
	5	Gros Bois§	500	...	...	...	...
	6	Savannah (Residence) ...	200	2·73	63·9	61·2	14
	7	Savannah (Mill) ...	200	2·44	62·0	63·8	16
	8	St. Aubin	300	2·89	73·5	71·4	16
	9	Union B.A.St.FélixS.E.*	90	3·85	97·8	...	7
	10	Beau Bois	350	5·26	133·5	97·0	22
	11	Labarracq (Resid.) * ...	250	2·30	58·4	...	9
	12	St. Avold *	900	8·55	217·2	...	24
	13	Terracine *	100	3·78	96·0	...	14
	14	Labarracq (Mill) * ...	250	2·03	51·6	...	10
	15	St. Felix Sugar Estate *.	...	3·71	94·2	...	10
	16	Bel Air *	...	3·27	83·0	...	15
	17	Chamouny *	...	5·11	129·8	...	12
	18	Union S.E. *	...	3·50	89·0	...	18
	19	Fontenelle *	...	3·11	79·0	...	8
	20	Combo §	...	3·18	80·8	...	12
	21	St. Felix (Wilson) * ...	...	2·73	69·3	...	9
	22	Joli Bois Estate * ...	...	9·07	230·4	...	15
7 8 & 9	1	Bel Ombre *	50	6·09	154·7	...	12
	2	Chamarel	400	6·96	176·8	68·3	15
	3	Beau Champ *	...	3·60	91·4	...	11
	4	Board *	...	3·68	93·5	...	9
	5	Ste. Marie *	...	3·70	94·0	...	11
	6	Médine Estate * ...	...	0·04	1·0	...	1
	7	Albion Estate * ...	...	0·20	5·1	...	1
	8	Anna Estate §	...	...	...	...	...
	9	Pierre Fond Estate * ...	...	0·06	1·5	...	1
10		No returns.					
11	1	Les Gorges *	...	5·21	132·3	...	10
	2	Curepipe Gardens ...	1,840	9·72	246·9	138·2	25
	3	Mare aux Vacoas ...	1,850	13·22	335·8	171·2	25
	4	La Marie-Filter Bed ...	1,700	7·11	180·6	99·0	23
	5	Réunion...	1,420	5·84	148·3	120·6	17
	6	Tamarin *	150	0·73	18·5	...	6
	7	Clarens§	150	...	...	...	...
	8	Les Salines (B.R.)* ...	...	1·27	32·2	...	16
	9	Terrain Bonnefin † * ...	...	10·79	274·1	...	25
	10	Chebel Estate §	...	...	...	...	...
12	1	The Mause	850	2 12	53·8	70·6	21
	2	The Bower	1,080	3·84	97·5	37·1	19
	3	Le Réduit (D. of A.) ...	1,000	3·05	77·4	43·2	24
	4	Alma	1,460	10·23	259·8	62·2	24
	5	Minissy *	1,150	5·39	136·9	...	8
	6	Bagatelle	1,250	6·06	153·9	75·4	22
	7	Highlands *	1,300	8·03	204·0	...	21
	8	Trianon	950	4·09	103·9	45·0	22
	9	Salency	923	3·83	97·3	39·6	21
	10	Military Camp (1) ...	1,370	...	...	...	...
	11	La Ferme *	350	0·92	23·4	...	17
	12	Bon Air §	1,050	...	...	...	...
	13	Val Ory...	1,100	3·46	87·9	44·2	24
	14	Pieter Both Estate * ...	...	5·71	145·0	...	6
	15	Roslyn Cottage Estate §	...	...	...	...	...
	16	Agrément Estate * ...	...	4·13	104·9	...	13
	17	Circonstance Estate * ...	...	7·92	201·2	...	7
	18	Le Réduit Grounds * ...	...	3·02	76·7	...	18
	19	Stanley *	...	20·4	51·8	...	11
	20	Ebène *	...	2 56	65·0	...	12
	21	Mon Rêve *	...	3·23	82·0	...	12
	22	Béga *	...	1·62	41·1	...	9
	23	Bassin *	...	1·92	48·8	...	10
	24	Hermitage *	...	9·48	240·8	...	20
	25	Côte d'Or *	...	5·18	131·6	...	19
	26	Mon Repos	...	1·03	26·2	...	7
13	1	Salines (R.B.) § ...	10	...	...	...	...
	2	The Albion Dock ...	18	0·28	7·1	13·7	4
	3	Line Barracks (1) ...	10	...	...	...	...

* Normals not available
† Parcelled out
† A station at Mare aux Vacoas Reservoir
(1) Discontinued temporarily.
‡ Casela
§ Record not received
4 a Bon Acceuil.

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

RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

OCTOBER, 1916.

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

DIRECTOR.

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of OCTOBER 1916.

Month and Day. 1916.	Mean Declination (West.)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of. Declination.	Horizontal Force (Unit 1 γ)	Vertical Force (Unit 1 γ)
	° ′			′		
Oct. 1	9.48·2	·23194	·30653	7·4	81	14
2	49·0	189	650	7·0	52	17
3	49·2	191	650	6·6	31	24
4	49·0	206	650	5·8	31	14
5	49·1	215	648	8·4	55	19
6	48·7	169	656	6·6	138	16
7	47·7	162	655	10·6	56	24
8	49·1	170	654	10·0	53	33
9	48·5	179	650	7·8	29	29
10	49·3	192	649	10·2	34	30
11	49·1	187	651	9·2	45	22
12	48·9	184	650	8·0	53	27
13	48·6	172	648	11·6	64	35
14	49·6	171	654	6·2	56	14
15	49·5	180	649	6·0	22	26
16	49·1	187	647	7·6	20	19
17	49·1	194	645	7·8	19	23
18	50·1	205	643	7·8	36	29
19	49·5	216	642	9·4	31	21
20	49·8	216	641	6·4	56	21
21	49·2	206	643	4·4	63	13
22	50·1	210	644	5·0	34	12
23	49·6	209	642	5·8	27	14
24	49·8	207	641	4·8	38	21
25	49·9	210	643	6·4	50	17
26	49·6	216	639	8·6	28	26
27	50·5	214	638	5·4	30	19
28	50·1	218	636	8·4	54	27
29	49·4	225	637	8·0	60	18
30	49·5	200	643	5·4	19	11
31	49·8	210	638	6·6	21	22
Mean	9.49·31	·23197	·30646	7·39	44·7	21·2

List of Earthquakes.

Date, 1916.	Register Number.	N.-S. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	E.-W. Component. Time of. Prel. Tremors.	Maximum.	End.	Amplitude.	Remarks.
		h m	h m	h m	″	h m	h m	h m	″	
Oct. 1	1663	...	...	...	...	7. 8·5	7.19·7	7.25·3	·07	
3	1664	5.45·8	6.27·4	8.10±	0·20	5.46·0	6.34·8	7.46±	·24	
11	1665	22.31·6	...	23. 9·7	...	22.30·9	23.14·3	23.27±	·10	Feeble tremors.
20	1666	21.36·7	...	22.25·0	...	21.25·1	22. 8·7	22.35·2	·14	Irregular slight movement
21	1667	23.44·2	...	23.51·7	...	23.43·5	23.48·6	23.59·7	...	Feeble tremors; slight thickening of trace
22	1668	...	...	...	...	22.13·3	...	22.19·0	...	Feeble tremors
23	1669	14.27·9	...	14.30·8	...	14.29·8	...	14.32·8	...	
26	1670	7.31·7	...	7.51·9	...	7.27·0	7.48·8	7.58·1	·07	
30	1671	...	...	...	...	6. 9·5	6.15·1	...	...	Slight thickening
31	1672	5. 9·3	...	5.24·2	...	5.13·1	5.25·9	5.35·9	·07	Feeble tremors
31	1673	19.50·2	20.35·4	21.54·2	0·24	19.50·7	20.37·2	21.39·5	·26	
Mean	...	...	...	...	...	...	...	...	...	...

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of OCTOBER 1916.

Declination (West). Day and Hour.	Observed Value.	Horizontal Force (C.G.S. Unit). Day and Hour.	Observed Value.	Dip (South). A. M. Observations. Day and Hour.	Observed Value.	Resulting Vertical Force. C. G. S. Units.	P. M. Observations. Day and Hour.	Observed Value.	Resulting Vertical Force C.G.S. Units.
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
Oct. 3. 8.46	9.52·1	Oct. 3. 9.34	·23209	Oct. 4. 9.38	52.52·8	·30663	Oct. 4.13.00	52.47·9	·30590
13.35	9.46·4	12.51	·23190	6. 9.31	52.52·2	·30647	6.13.47	52.50·0	·30590
9. 8.38	9.51·2	9. 9.44	·23168	10. 9. 7	52.51·5	·30622	...	..	...
13.48	9.44·7	13. 5	·23170	13. 9.50	52.53·8	·30655	13.13.53	52.52·0	·30610
16. 7.22	9.50·8	16. 9. 0	·23190	17. 9.40	52.53·0	·30656	17.14. 2	52.50·0	·30612
13.35	9.45·3	12.43	·23192	20. 9.49	52.49·1	·30649	20.13.40	52.49·5	·30631
24. 8.31	9.53·0	24. 9.29	·23218	25. 8.48	52.52·6	·30659	25.13.39	52.49·2	·30630
13.53	9.47·2	13. 5	·23213	30. 9. 8	52.52·7	·30648	30.14. 1	52 51·8	·30640
30. 8.40	9.50·9	30. 9.37	·23209						
13.44	9.46·9	12.52	·23212						

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

OCTOBER 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	49·1	48·9	49·6	49·4	49·5	49·7	53·8	49·4	49·7	47·9	49·4	49·6	49·8	51·7	49·9	49·9	Midnight
1h	47·9	49·1	49·4	49·4	49·3	50·9	50·0	49·8	49·5	49·5	49·8	49·8	49·8	49·9	49·9	49·9	1h
2	45·9	48·7	49·0	49·4	49·3	49·5	51·0	47·6	48·5	49·7	49·8	49·8	49·8	50·3	49·9	49·9	2
3	47·1	47·3	49·2	49·4	49·1	49·7	50·4	48·4	47·7	49·7	49·8	49·8	50·0	49·5	49·9	49·9	3
4	45·5	47·9	49·0	49·4	49·5	49·5	50·6	47·8	48·1	49·7	48·0	49·8	49·8	50·1	49·9	50·1	4
5	46·3	48·3	49·4	49·4	49·5	49·9	44·4	47·4	47·9	49·1	49·8	49·8	50·0	49·9	50·1	50·1	5
6	44·5	49·3	49·4	48·6	49·3	49·5	47·0	47·6	48·3	49·5	49·6	49·8	50·0	49·9	49·9	50·3	6
7	46·5	49·3	49·6	49·2	49·9	49·7	47·4	47·6	49·7	50·1	50·2	49·2	51·8	50·3	50·9	51·5	7
8	46·3	49·7	51·0	50·8	51·5	49·3	45·6	49·6	50·1	51·9	52·0	50·0	50·0	50·7	51·1	51·5	8
9	48·9	51·3	51·4	51·2	51·9	49·7	47·6	53·2	51·5	53·3	52·4	52·0	49·8	51·9	51·3	51·5	9
10	50·9	52·5	52·6	51·2	52·1	51·3	49·2	54·2	51·7	53·9	52·2	51·6	50·0	52·3	50·9	51·3	10
11	51·7	52·1	52·2	50·8	51·9	50·1	47·8	55·4	51·3	53·3	51·0	50·0	50·0	51·9	51·9	50·3	11
Noon	51·9	49·9	51·4	50·0	50·9	49·3	46·0	52·2	49·3	51·1	49·4	48·0	48·0	49·9	51·9	48·3	Noon
13h	49·1	47·7	48·8	47·6	47·7	46·1	44·2	47·6	45·3	47·3	46·4	45·0	43·2	48·1	48·7	45·9	13h
14	47·3	46·3	47·0	46·2	45·5	45·1	43·4	45·4	43·9	43·9	44·0	44·0	40·2	46·1	46·5	44·3	14
15	45·3	45·5	46·0	45·4	43·7	44·7	43·2	45·4	44·7	43·7	43·2	44·2	42·0	47·3	45·9	43·9	15
16	47·3	46·9	46·2	45·8	44·7	45·1	45·0	46·2	46·5	45·7	45·0	46·0	44·0	48·1	45·9	45·1	16
17	47·7	47·9	47·4	47·4	46·5	45·5	46·6	47·4	47·7	47·9	48·0	48·0	46·2	48·3	48·1	47·3	17
18	50·1	49·3	48·0	48·8	49·3	45·5	47·8	48·2	47·9	48·1	49·6	48·2	47·6	48·3	48·5	48·1	18
19	49·3	49·3	48·8	49·4	48·7	49·1	48·2	49·6	49·1	49·5	49·6	49·6	51·6	48·9	49·3	49·3	19
20	49·5	49·3	48·4	49·4	49·1	48·3	48·2	49·6	48·7	49·5	51·4	49·4	50·0	49·3	49·3	49·5	20
21	49·5	51·1	49·4	49·4	49·5	49·5	49·6	49·2	49·7	49·3	49·8	49·8	51·0	49·7	49·7	49·7	21
22	49·3	49·3	49·4	49·4	49·5	49·5	49·6	49·4	49·5	49·5	49·8	49·8	50·2	49·9	49·7	49·9	22
23	49·3	49·3	49·4	49·4	49·5	50·7	49·6	49·4	49·7	49·9	49·2	49·8	50·2	49·9	49·9	49·9	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. \ Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′		
Midnight	49·9	50·0	50·0	50·0	50·0	50·1	50·1	50·1	50·1	50·1	49·9	49·9	49·9	50·1	50·1	49·9	Midnight
1h	49·9	50·0	50·0	50·0	50·2	49·7	50·1	50·1	50·1	50·1	50·1	49·9	49·7	48·5	49·9	49·7	1h
2	49·9	50·0	50·0	50·0	50·4	49·9	50·1	50·1	50·1	50·1	50·1	49·9	50·1	48·7	50·1	49·7	2
3	49·9	50·0	50·0	50·0	50·0	50·3	50·1	50·1	49·9	50·1	50·3	50·1	50·1	50·1	50·1	49·6	3
4	49·9	50·0	50·2	50·0	50·0	50·3	50·1	50·3	50·3	50·3	50·3	50·3	50·3	50·3	50·1	49·6	4
5	50·1	50·0	50·0	50·0	50·0	50·3	49·9	50·3	50·7	50·5	50·3	50·9	50·5	50·7	50·1	49·5	5
6	49·9	50·2	50·0	50·0	50·2	51·9	50·1	50·3	50·9	50·5	50·3	52·3	51·3	51·3	50·3	49·7	6
7	50·5	51·8	50·8	51·6	50·8	52·1	50·5	52·1	51·3	52·1	52·1	54·3	52·1	51·5	51·7	50·6	7
8	51·5	52·2	52·2	52·4	50·2	52·3	51·9	52·1	52·1	52·5	52·7	54·3	52·7	51·3	52·1	51·1	8
9	52·1	53·6	53·4	52·6	50·0	52·1	52·1	52·3	52·1	53·3	53·5	53·9	52·7	50·3	52·5	51·8	9
10	52·1	54·0	53·4	52·2	48·2	50·1	50·5	51·9	51·7	52·9	52·9	52·1	51·9	50·1	52·3	52·1	10
11	50·3	52·4	53·2	51·6	48·4	50·1	50·1	50·1	51·3	51·7	51·3	52·7	48·7	48·5	50·5	51·1	11
Noon	48·1	51·2	52·0	50·2	48·0	50·1	48·3	49·5	50·1	50·1	50·5	49·9	47·9	48·3	49·7	49·4	Noon
13h	45·9	48·2	49·0	48·0	46·6	48·3	47·5	48·1	47·7	46·3	49·9	46·9	46·3	46·9	46·7	47·1	13h
14	44·7	47·4	46·0	46·2	46·4	47·3	46·3	47·5	46·1	44·7	48·1	46·1	44·7	46·1	45·9	45·6	14
15	44·3	46·2	44·0	46·6	46·6	48·1	46·5	47·7	45·7	45·1	48·5	45·9	45·1	46·1	46·1	45·4	15
16	45·5	47·2	44·6	48·0	48·0	48·1	48·1	48·1	47·1	46·3	50·1	46·5	46·3	47·5	47·1	46·5	16
17	47·5	48·2	47·2	48·4	48·2	49·1	48·3	48·7	50·1	48·1	50·3	48·3	48·3	50·1	49·1	48·0	17
18	48·5	49·6	48·0	49·0	48·8	49·9	48·7	49·9	50·1	49·3	50·3	48·7	48·7	50·3	50·1	48·8	18
19	49·5	49·8	48·2	49·4	50·4	49·9	50·1	49·1	49·9	49·5	50·1	49·7	48·3	50·3	50·1	49·5	19
20	49·7	50·0	48·2	49·6	50·0	50·1	51·5	48·9	49·7	49·3	50·1	49·7	48·5	50·1	50·1	49·5	20
21	49·9	50·0	48·4	49·8	50·0	50·1	50·1	48·7	49·9	49·1	50·1	49·5	50·3	50·1	50·1	49·7	21
22	49·9	50·0	49·4	50·0	50·0	50·1	50·1	48·9	50·1	49·3	49·7	49·5	50·1	50·1	50·1	49·7	22
23	49·9	50·0	49·6	50·0	50·0	50·9	50·1	49·9	50·1	49·7	49·7	49·9	50·1	50·1	50·3	49·8	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

OCTOBER 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	189	194	182	196	212	213	148	194	190	196	195	196	175	170	170	180	Midnight
1h	203	185	188	194	211	204	165	173	183	189	193	177	177	184	170	180	1h
2	237	192	194	201	212	216	165	187	189	194	195	186	177	206	173	180	2
3	222	202	194	202	213	211	167	183	192	194	196	189	189	187	177	180	3
4	223	200	196	203	212	212	165	177	191	193	203	188	206	166	177	180	4
5	213	202	194	203	212	209	194	181	185	195	195	194	178	150	173	180	5
6	214	193	194	203	214	205	182	175	183	194	196	189	178	155	173	180	6
7	210	190	201	202	217	196	166	175	182	195	196	196	184	159	170	180	7
8	217	194	203	204	218	205	165	171	175	196	195	196	173	159	178	179	8
9	216	187	197	207	220	204	163	182	172	194	191	197	178	172	180	180	9
10	218	190	194	211	226	213	175	182	172	194	190	203	189	187	179	180	10
11	213	189	194	220	238	211	156	181	192	200	193	190	197	202	182	188	11
Noon	202	186	194	225	242	191	146	168	193	203	196	187	178	182	183	189	Noon
13h	201	196	202	224	241	193	162	159	178	203	203	177	187	178	190	194	13h
14	193	193	186	220	238	184	156	171	166	205	201	184	178	168	192	199	14
15	177	162	172	213	230	142	159	156	167	193	191	191	178	153	191	198	15
16	163	160	175	205	218	139	156	141	164	191	176	195	171	160	187	197	16
17	142	174	184	200	208	127	146	147	165	192	165	195	146	163	187	194	17
18	144	191	184	198	194	100	138	156	165	185	158	193	133	162	184	189	18
19	148	188	184	203	194	078	153	162	184	185	161	187	159	167	180	189	19
20	166	186	184	203	187	109	145	142	164	171	166	155	141	168	180	189	20
21	171	203	200	201	195	108	165	160	184	175	169	151	150	166	178	189	21
22	193	212	194	203	196	099	155	173	174	175	167	150	159	168	179	189	22
23	181	185	194	203	203	128	173	184	177	191	195	156	160	168	179	189	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	191	198	202	216	202	201	212	197	224	204	213	207	215	187	204	195·9	Midnight
1h	190	197	201	217	203	217	213	205	213	205	214	213	214	198	213	196·2	1h
2	190	197	202	219	202	215	213	204	205	206	215	214	214	204	209	200·4	2
3	190	199	201	219	208	204	221	208	221	210	214	213	214	203	211	201·1	3
4	190	199	201	211	211	205	214	205	214	211	210	213	214	204	214	200·3	4
5	191	200	201	211	214	210	215	204	213	212	209	213	215	205	214	199·5	5
6	190	199	201	212	212	203	213	204	214	212	213	213	215	204	212	198·2	6
7	189	200	209	216	213	207	214	204	206	213	213	207	215	198	211	197·9	7
8	190	200	211	220	214	212	212	204	203	217	213	212	215	196	214	198·7	8
9	193	208	220	229	224	217	208	211	211	223	211	218	221	198	215	201·5	9
10	198	216	229	248	229	219	202	211	218	223	212	223	233	205	216	206·0	10
11	197	226	226	250	224	224	205	219	223	223	214	234	244	204	214	208·8	11
Noon	200	226	221	251	229	227	210	223	232	224	220	242	252	204	206	207·5	Noon
13h	208	229	220	240	225	223	219	222	234	232	232	258	258	206	218	210·1	13h
14	208	228	220	222	221	217	221	216	228	228	234	253	253	204	218	206·6	14
15	199	215	232	200	218	218	219	209	214	222	232	238	243	203	214	198·4	15
16	195	202	229	200	211	207	203	206	184	221	223	225	242	204	214	192·4	16
17	191	193	225	207	208	193	205	185	194	215	214	211	240	199	205	187·7	17
18	191	193	220	201	179	202	203	194	193	213	209	204	234	195	205	184·2	18
19	191	197	220	206	175	202	199	203	194	214	204	204	229	198	204	185·9	19
20	190	198	218	198	174	203	205	204	195	213	204	205	223	195	204	183·4	20
21	190	199	219	195	166	203	202	204	202	212	204	204	200	195	199	185·8	21
22	197	199	220	197	182	195	194	204	199	213	204	205	204	200	197	187·0	22
23	198	200	219	202	193	217	195	204	213	213	205	207	198	201	204	191·5	23

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

OCTOBER 1916.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	656	654	654	652	651	650	665	653	653	651	652	652	654	659	654	653	Midnight
1h	654	654	653	652	650	652	659	654	654	652	651	653	653	653	654	653	1h
2	651	654	652	652	651	649	660	654	653	652	651	652	653	655	653	652	2
3	649	652	652	652	651	650	660	654	653	652	650	652	654	647	653	651	3
4	649	652	652	652	651	650	660	654	655	653	650	652	652	654	653	651	4
5	650	653	652	652	651	651	655	657	655	652	652	653	653	655	653	650	5
6	649	652	652	651	650	649	659	655	655	653	652	653	654	655	653	651	6
7	651	653	653	652	651	651	659	659	657	655	655	655	655	656	655	652	7
8	653	655	655	655	653	652	657	663	656	656	657	658	655	657	655	651	8
9	654	656	658	655	653	657	658	667	655	657	655	661	656	660	658	650	9
10	659	656	660	654	652	662	657	666	655	657	654	659	654	661	660	648	10
11	657	654	657	652	650	662	655	663	650	650	648	655	644	658	656	646	11
Noon	652	649	650	649	646	660	651	652	637	640	642	648	634	654	648	641	Noon
13h	646	641	643	644	639	657	644	639	628	630	638	641	627	651	641	637	13h
14	645	639	636	641	634	653	641	634	630	627	637	635	622	647	634	634	14
15	646	640	636	642	635	652	644	636	639	632	640	634	628	650	635	635	15
16	653	645	641	644	642	654	649	647	646	639	646	639	635	652	639	637	16
17	656	647	644	648	647	656	652	652	650	646	652	642	642	652	642	642	17
18	659	648	647	651	652	658	657	653	653	648	655	645	649	652	644	645	18
19	655	649	648	650	649	664	658	653	653	651	655	648	654	653	646	646	19
20	656	650	649	649	651	663	657	657	653	652	659	652	653	654	648	647	20
21	656	652	649	650	652	662	654	656	654	654	655	656	655	655	650	648	21
22	656	650	651	650	651	664	657	656	654	654	655	655	653	655	652	649	22
23	654	651	652	651	651	665	656	654	654	654	655	656	657	655	652	650	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	650	648	645	645	643	645	642	643	642	642	640	641	640	641	642	648·8	Midnight
1h	650	648	646	644	645	645	643	643	641	642	640	640	640	642	642	648·5	1h
2	649	648	646	645	645	644	643	643	642	642	640	640	640	640	642	648·2	2
3	649	648	646	645	645	645	643	643	640	642	640	640	639	641	641	647·7	3
4	648	647	646	645	644	646	644	644	642	642	641	640	640	640	641	648·1	4
5	648	647	646	646	645	647	645	645	644	643	642	641	640	640	641	648·5	5
6	648	647	646	645	647	647	645	646	645	645	643	644	641	641	640	648·8	6
7	650	647	647	647	647	649	646	648	646	647	646	646	643	642	642	650·4	7
8	652	649	650	650	647	649	646	645	648	647	647	645	643	644	646	651·5	8
9	653	650	650	648	646	647	644	646	649	645	646	641	643	647	646	652·0	9
10	652	651	648	643	642	646	640	643	649	643	642	635	637	648	640	650·7	10
11	645	646	645	638	641	644	640	639	646	640	639	630	632	650	639	647·4	11
Noon	637	637	641	636	640	641	635	632	640	632	637	628	629	651	635	642·1	Noon
13h	633	628	636	631	637	637	632	627	635	624	631	620	625	649	627	636·1	13h
14	630	622	631	629	635	637	633	627	632	621	628	619	626	643	624	633·1	14
15	633	629	629	632	637	638	636	632	635	624	631	623	629	640	627	635·4	15
16	637	637	634	633	640	640	640	636	642	630	634	629	633	642	630	640·2	16
17	642	642	638	635	642	642	642	640	647	636	636	633	635	645	634	643·8	17
18	644	642	640	637	644	644	643	642	646	639	638	635	636	645	635	646·0	18
19	644	642	639	638	648	642	644	642	645	640	639	636	635	644	636	646·6	19
20	645	642	640	640	646	642	645	642	644	640	640	637	635	642	637	647·3	20
21	646	643	642	641	644	642	642	642	645	640	640	639	640	642	638	647·9	21
22	647	645	643	642	645	643	643	642	644	642	642	640	641	643	640	648·5	22
23	647	645	644	642	645	646	644	643	644	641	642	640	641	643	640	648·8	23

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) Highest.	Lowest.	Range.	Mean.	Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. (Centigrade). Mean.	Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
Oct. 1	1011·1	− 1·8	23·3	16·8	6·5	19·8	−1·7	18·3	17·1	+ 1·3	84	+13	19·3	15·7	23·5	250	3·9	8·0
2	1010·0	− 2·8	23·2	18·6	4·6	20·3	−1·2	18·5	17·1	+ 1·2	82	+11	19·3	17·0	39·4	205	5·4	8·9
3	1010·5	− 2·3	24·0	18·7	5·3	20·8	−0·7	18·2	16·2	+ 0·3	75	+ 4	18·2	17·2	0·5	20	5·2	7·4
4	1011·3	− 1·4	24·8	18·5	6·3	21·3	−0·3	18·6	16·5	+ 0·6	74	+ 4	18·6	16·6	1·5	45	6·5	6·9
5	1012·3	− 0·3	24·8	18·0	6·8	21·2	−0·4	18·4	16·3	+ 0·4	74	+ 4	18·4	14·9	0·2	5	5·2	4·9
6	1012·8	+ 0·3	25·3	17·8	7·5	21·1	−0·6	18·4	16·3	+ 0·3	74	+ 4	18·4	14·5	0·3	10	4·4	4·4
7	1011·3	− 1·1	25·6	17·8	7·8	21·4	−0·3	18·7	16·6	+ 0·6	74	+ 4	18·7	14·6	0·1	5	4·2	5·0
8	1010·9	− 1·4	25·7	18·8	6·9	21·8	0·0	18·9	16·7	+ 0·6	73	+ 3	18·8	15·7	2·2	30	4·7	7·9
9	1011·6	− 0·6	26·6	16·9	9·7	21·5	−0·3	18·5	16·2	+ 0·1	72	+ 2	18·2	14·8	0·0	...	4·2	5·6
10	1012·5	+ 0·4	26·0	16·7	9·3	21·4	−0·5	18·2	15·7	− 0·4	70	0	17·7	14·4	0·4	15	4·6	4·6
11	1012·0	0·0	25·9	18·7	7·2	21·8	−0·1	18·6	16·1	− 0·1	70	0	18·1	16·1	0·4	20	5·2	4·1
12	1011·1	− 0·9	25·9	19·0	6·9	22·7	+0·8	19·6	17·3	+ 1·1	72	+ 2	19·6	16·4	2·0	65	6·6	6·5
13	1011·5	− 0·4	26·3	20·6	5·7	22·8	+0·8	20·8	19·3	+ 3·1	81	+11	22·2	18·4	0·8	55	4·7	8·7
14	1013·0	+ 1·2	25·9	18·9	7·0	22·2	+0·2	19·2	16·9	+ 0·6	72	+ 2	19·0	15·2	0·0	...	6·0	5·4
15	1012·8	+ 1·0	25·9	18·8	7·1	22·0	−0·1	19·1	16·9	+ 0·6	73	+ 3	19·0	15·7	1·5	45	5·5	5·7
16	1014·2	+ 2·5	26·0	18·4	7·6	21·8	−0·3	18·6	16·1	− 0·2	70	0	18·1	13·6	0·0	...	5·2	4·0
17	1014·0	+ 2·4	26·0	17·9	8·1	21·7	−0·5	18·3	15·7	− 0·7	69	− 1	17·7	13·3	0·0	...	4·8	5·7
18	1011·9	+ 0·4	25·2	16·3	8·9	20·5	−1·7	17·2	14·6	− 1·8	69	− 1	16·5	11·6	0·1	5	4·4	4·2
19	1010·5	− 1·0	26·4	16·8	9·6	21·4	−0·9	17·7	14·9	− 1·6	67	− 2	16·8	12·6	0·0	...	5·1	2·8
20	1010·6	− 0·8	26·0	18·7	7·3	21·8	−0·6	18·5	16·0	− 0·5	70	+ 1	18·0	15·0	0·6	10	5·0	5·6
21	1011·6	+ 0·3	26·0	18·2	7·8	21·8	−0·6	18·5	16·0	− 0·5	69	0	18·0	14·7	0·3	5	5·9	5·2
22	1012·0	+ 0·8	25·7	19·4	6·3	22·2	−0·3	18·9	16·4	− 0·2	70	+ 1	18·5	17·1	1·5	15	6·2	6·5
23	1010·8	− 0·4	25·3	19·3	6·0	21·7	−0·9	19·2	17·3	+ 0·7	76	+ 7	19·6	16·5	7·6	180	6·4	6·9
24	1011·5	+ 0·4	25·5	18·7	6·8	21·6	−1·0	19·1	17·2	+ 0·6	76	+ 7	19·4	15·4	3·3	40	5·7	5·8
25	1012·8	+ 1·8	26·0	19·1	6·9	22·2	−0·5	19·6	17·6	+ 0·9	75	+ 6	19·9	16·4	2·7	85	5·8	6·5
26	1013·1	+ 2·1	25·4	19·5	5·9	21·8	−0·9	19·8	18·3	+ 1·6	80	+11	20·8	17·9	5·5	100	4·9	6·3
27	1012·2	+ 1·3	25·4	18·6	6·8	21·6	−1·2	18·9	16·8	0·0	74	+ 5	18·9	17·1	0·8	5	5·1	4·8
28	1009·9	− 0·9	26·7	17·8	8·9	22·3	−0·6	19·2	16·9	+ 0·1	71	+ 2	19·0	13·9	0·1	5	5·6	5·5
29	1008·6	− 2·2	27·9	16·7	11·2	22·4	−0·5	19·7	17·7	+ 0·8	75	+ 6	20·1	13·1	1·0	20	5·5	6·1
30	1009·2	− 1·5	26·8	18·5	8·3	22·0	−0·9	17·9	14·8	− 2·1	64	− 5	16·7	15·9	0·0	...	6·5	5·6
31	1010·2	− 0·4	25·9	17·1	8·8	21·4	−1·6	16·5	12·7	− 4·2	58	−11	14·6	15·6	0·0	...	6·8	4·2
Mean	1011·5	− 0·2	25·7	18·2	7·5	21·6	−0·6	18·7	16·5	+ 0·1	72·7	+3·0	18·6	15·4	Sum 96·3	Sum 1240	5·3	5·8
Average	1011·7	...	27·1	18·1	9·0	22·2	...	18·9	16·4	...	69·7	...	18·5	14·9	35·1	848	5·7	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 October.

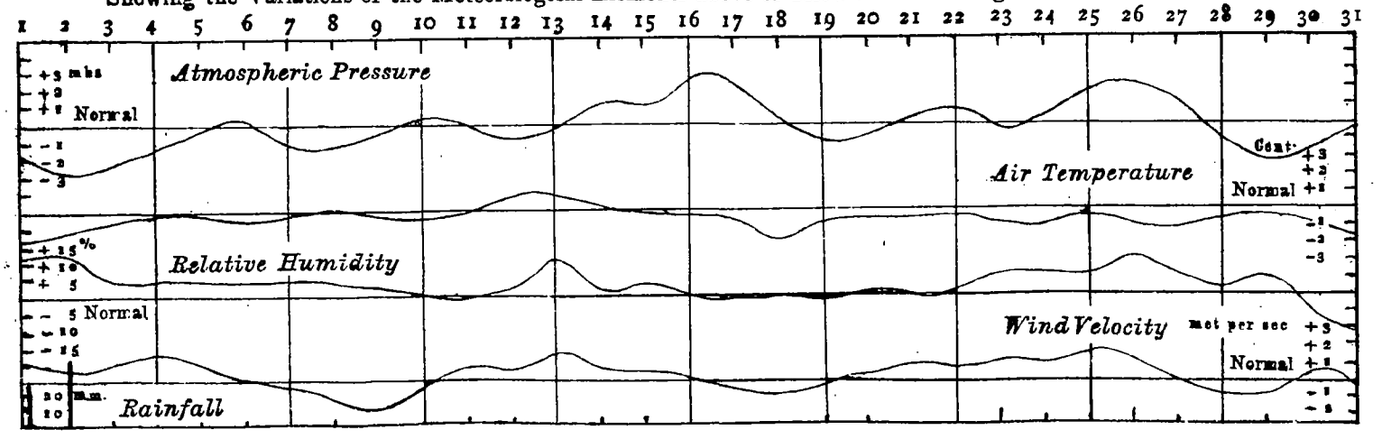

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1916.

Month and Day. 1916.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. 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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
Oct. 1	3·8	31	− 1·5	+ 4·6	72	4·8	− 3	+ 1·8	4·9	+ 1·2	24·6	23·8	23·04	22·55	22·10	f. : c.g.p. :o.g.l.p.
2	0·8	7	0·0	+ 4·5	90	4·5	+ 15	+ 1·5	4·6	+ 0·9	24·6	23·8	22·43	21·95	21·39	o.g.r. : c.g.q.
3	9·0	73	− 0·8	+ 4·5	80	4·5	+ 5	+ 1·5	4·7	+ 1·0	24·6	23·8	22·26	21·99	21·99	c. : f. : c.g.p.
4	8·1	66	+ 0·3	+ 5·1	93	5·1	+ 18	+ 2·1	5·2	+ 1·5	24·6	23·8	22·63	22·44	22·47	f. : c.g.p. : c.q: c. : f.
5	9·8	80	+ 0·2	+ 4·4	93	4·4	+ 18	+ 1·4	4·5	+ 0·9	24·7	23·8	22·86	22·66	22·75	f. :c.p.: f.
6	9·8	80	− 0·2	+ 3·6	87	3·6	+ 11	+ 0·7	3·7	+ 0·1	24·6	23·9	22·96	22·82	22·91	f. : c.p. : f.
7	8·6	70	+ 0·1	+ 3·1	92	3·1	+ 16	+ 0·2	3·2	− 0·4	24·6	23·8	23·17	23·10	23·48	b. : c. : f. : c.p.
8	7·0	56	+ 0·7	+ 2·4	106	2·5	+ 30	− 0·4	2·6	− 1·0	24·6	23·8	23·78	23·83	24·06	cgp: c.g. : f. : c.
9	7·3	59	− 0·6	+ 0·5	40	0·8	− 36	− 2·1	2·1	− 1·5	24·6	23·8	23·98	23·89	24·18	c. : f. : c. : f. : b.
10	10·4	84	− 0·7	+ 2·9	76	3·0	0	+ 0·1	3·1	− 0·5	24·7	23·8	23·93	23·79	23·97	f. :c.p. : f. : b.
11	10·0	81	− 1·5	+ 4·0	69	4·2	− 8	+ 1·3	4·3	+ 0·7	24·6	23·8	24·15	24·00	24·33	b. : c. : f.
12	9·6	77	− 1·2	+ 3·9	73	4·1	− 4	+ 1·2	4·2	+ 0·6	24·6	23·8	24·35	24·40	24·82	f. :cgp: f. : o.g.
13	3·9	31	− 0·4	+ 5·1	85	5·1	+ 8	+ 2·3	5·2	+ 1·6	24·6	23·8	24·77	24·79	25·09	o.g.p. : c.g.q. : c.g.p.q.
14	11·0	88	− 0·7	+ 4·1	80	4·1	+ 3	+ 1·3	4·3	+ 0·7	24·7	23·8	24·78	24·76	24·99	c.q. : f.q. : f. : b.
15	9·7	78	− 1·1	+ 4·0	75	4·1	− 3	+ 1·3	4·2	+ 0·6	24·6	23·9	24·79	24·71	24·86	c.g.p. : c. : f. : b.
16	10·6	85	− 0·6	+ 3·6	81	3·6	+ 3	+ 0·8	3·7	+ 0·1	24·7	23·9	24·67	24·47	24·46	b. : f. : c. : b.
17	10·6	85	− 0·4	+ 3·1	83	3·1	+ 5	+ 0·3	3·2	− 0·3	24·7	23·8	24·49	24·22	24·26	c. : f. : c. : f.
18	6·6	53	− 0·7	+ 2·4	74	2·5	− 4	− 0·3	2·8	− 0·7	24·6	23·9	24·29	23·92	23·84	f. : c.p. : f. : b.
19	9·7	77	− 0·7	+ 3·0	77	3·1	− 2	+ 0·3	3·3	− 0·2	24·6	24·0	24·05	23·69	23·75	b. : f. : b.
20	11·1	88	− 0·8	+ 3·8	78	3·9	− 1	+ 1·1	3·9	+ 0·4	24·6	24·0	24·19	23·91	24·04	f. : c. : c.p.
21	10·0	79	+ 0·2	+ 4·3	93	4·3	+ 14	+ 1·5	4·5	+ 1·0	24·6	24·0	24·30	24·02	24·14	c.p. : c. : f.
22	8·7	69	+ 0·6	+ 4·2	98	4·2	+ 19	+ 1·4	4·3	+ 0·8	24·5	24·1	24·32	24·02	23·99	f : c. : c.p.q. : f. : c.
23	9·3	74	− 0·5	+ 4·6	84	4·6	+ 5	+ 1·9	4·7	+ 1·2	24·6	24·2	24·22	24·10	24·21	c.g.p. : f.q. : f : c.p.
24	9·0	71	− 1·1	+ 4·4	76	4·5	− 4	+ 1·8	4·6	+ 1·1	24·6	24·1	24·26	24·03	23·87	f. : c.p: f. : c.q. c.p. f.
25	9·0	71	− 1·0	+ 4·9	78	5·0	− 2	+ 2·3	5·2	+ 1·7	24·5	24·1	24·19	23·97	23·96	c.p.: f. : c.q. : c.p.
26	7·3	57	− 0·4	+ 4·3	85	4·3	+ 5	+ 1·6	4·5	+ 1·0	24·5	24·1	24·26	24·13	24·07	c.p. : c. : f.
27	8·0	63	+ 0·2	+ 3·4	93	3·4	+ 13	+ 0·7	3·5	0·0	24·5	24·1	24·30	24·16	24·17	f. : c.p. : f. : b.
28	9·3	73	+ 0·8	+ 2·0	112	2·1	+ 31	− 0·6	2·6	− 0·9	24·5	24·1	24·36	24·22	24·41	b. :c.p: f. : cg.
29	9·6	75	0·0	− 0·7	270	0·7	+ 189	− 2·0	2·6	− 0·9	24·6	24·2	24·65	24·58	24·92	c. : f. : cgp.
30	8·6	67	− 3·0	+ 2·6	41	4·0	− 40	+ 1·3	4·0	+ 0·5	24·5	24·2	25·16	25·08	25·39	c g. : c. : f.
31	10·3	80	− 1·0	+ 2·9	71	3·0	− 10	+ 0·3	3·2	− 0·3	24·5	24·2	25·04	24·84	24·86	c. : f. : b.
Mean	8·60	68·7	− 0·51	+ 3·53	81·8	3·57	+ 5·6	+ 1·06	3·92	+ 0·36	24·59	23·94	24·02	23·84	23·93	...
Average	8·21	65·7	− 0·60	+ 2·44	76·2	2·51	...	...	3·56	...	24·41	24·13	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The feature of the month was the heavy rainfall of the 1st and 2nd during the passage of a marked V shaped depression to the south of Mauritius.

Falls of over 100 millimetres in the two days were recorded at 27 stations, at 5 of which the fall was over 250 millimetres.

The heavy falls, besides causing floods in the Southern and South Eastern inland districts, still further retarded the ripening of the crops and maintained the sugar contents of the cane at a low value.

Humidity was either normal or above normal on 26 days.

Temperature was below normal during the whole month, except on the 12th, 13th and 14th.

Wind velocity was 0·36 metres above normal.

The highest dew point temperature was 20°·5 at 23^h on the 13th ; and the lowest 10°·3 at 8^h on the 31st.

The highest relative humidity was 94·3 % at 6^h on the 1st ; and the lowest 42·6 % at Noon on the 31st.

In the vicinity of the Observatory rainfall was 175% above normal. The percentage variation of rainfall from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	101 % above
Eastern Districts	,, ,, 2, 3, 4.	108 % above
South-Eastern Districts	,, ,, 5 & 6	167 % above
Western Districts	River System 11	200 % above
	,, ,, 12	113 % above
	,, ,, 13	58 % below

(November 18, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is 181 feet above mean sea-level.)

OCTOBER 1916.

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
Midnight	0132	0108	0108	0115	0124	0137	0127	0112	0118	0128	0129	0125	0115	0135	0136	0136	Midnight
1h	0128	0102	0103	0112	0118	0130	0123	0107	0115	0125	0126	0119	0112	0129	0127	0134	1h
2	0123	0099	0099	0109	0115	0127	0117	0104	0111	0119	0119	0114	0108	0127	0126	0129	2
3	0114	0096	0096	0108	0114	0125	0114	0099	0109	0117	0116	0111	0103	0125	0126	0127	3
4	0109	0095	0097	0108	0115	0124	0113	0098	0109	0118	0115	0109	0102	0126	0125	0129	4
5	0111	0096	0098	0110	0118	0126	0115	0101	0111	0120	0118	0109	0103	0127	0126	0133	5
6	0119	0099	0101	0112	0120	0129	0119	0108	0115	0126	0128	0111	0109	0132	0130	0139	8
7	0120	0102	0108	0115	0124	0139	0122	0112	0119	0132	0131	0117	0118	0137	0135	0146	7
8	0125	0109	0111	0118	0128	0139	0126	0117	0125	0136	0135	0119	0122	0139	0136	0148	8
9	0128	0109	0112	0119	0129	0139	0126	0120	0125	0136	0135	0122	0128	0140	0138	0150	9
10	0123	0108	0110	0118	0128	0138	0123	0118	0123	0137	0130	0120	0124	0140	0137	0150	10
11	0121	0105	0109	0115	0122	0137	0118	0115	0117	0128	0125	0112	0119	0139	0131	0148	11
Noon	0113	0099	0099	0111	0117	0128	0110	0108	0114	0125	0118	0109	0113	0134	0127	0144	Noon
13h	0099	0089	0095	0109	0114	0118	0102	0101	0109	0117	0109	0104	0109	0125	0117	0138	13h
14	0090	0086	0090	0101	0112	0114	0098	0098	0106	0111	0103	0099	0107	0119	0114	0134	14
15	0089	0085	0089	0099	0112	0111	0094	0096	0101	0108	0100	0098	0103	0113	0111	0131	15
16	0090	0087	0091	0100	0114	0110	0094	0096	0100	0109	0100	0099	0100	0112	0109	0134	16
17	0093	0089	0097	0106	0117	0116	0098	0099	0102	0114	0103	0100	0100	0113	0114	0138	17
18	0098	0095	0108	0110	0121	0118	0103	0105	0107	0119	0109	0105	0108	0117	0121	0143	18
19	0102	0101	0113	0118	0128	0127	0108	0111	0118	0130	0117	0110	0117	0127	0130	0148	19
20	0108	0108	0119	0122	0137	0129	0116	0117	0126	0133	0123	0115	0126	0135	0136	0154	20
21	0111	0110	0119	0125	0138	0136	0119	0123	0132	0137	0128	0119	0135	0140	0139	0157	21
22	0112	0110	0118	0126	0138	0137	0119	0122	0135	0137	0129	0118	0137	0141	0139	0157	22
23	0112	0109	0118	0126	0138	0135	0117	0119	0134	0133	0128	0118	0137	0138	0137	0156	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Hour \ Day
Midnight	0150	0135	0118	0106	0116	0124	0116	0117	0129	0141	0135	0121	0098	0086	0106	0122	Midnight
1h	0145	0126	0115	0104	0107	0120	0107	0113	0126	0134	0126	0113	0096	0082	0104	0117	1h
2	0140	0122	0108	0099	0105	0115	0105	0107	0121	0126	0122	0106	0089	0081	0102	0113	2
3	0137	0120	0105	0098	0105	0114	0099	0105	0119	0121	0121	0103	0086	0078	0101	0110	3
4	0137	0119	0106	0100	0106	0115	0098	0105	0120	0121	0122	0099	0086	0081	0102	0110	4
5	0143	0124	0105	0102	0110	0117	0101	0106	0121	0126	0122	0097	0087	0084	0105	0112	5
6	0146	0126	0106	0105	0115	0122	0107	0114	0123	0132	0127	0098	0090	0087	0110	0116	6
7	0151	0127	0109	0110	0121	0126	0112	0116	0125	0136	0131	0104	0093	0094	0115	0121	7
8	0151	0130	0114	0113	0125	0133	0117	0118	0127	0138	0130	0107	0092	0097	0116	0124	8
9	0153	0134	0116	0115	0128	0134	0118	0120	0135	0145	0134	0109	0091	0100	0117	0126	9
10	0151	0130	0111	0113	0129	0134	0117	0120	0133	0144	0134	0107	0092	0098	0114	0124	10
11	0147	0120	0106	0107	0125	0128	0110	0117	0131	0137	0126	0103	0088	0096	0108	0120	11
Noon	0145	0117	0101	0104	0119	0122	0106	0113	0128	0135	0120	0098	0084	0090	0103	0115	Noon
13h	0136	0111	0095	0099	0113	0116	0099	0108	0114	0128	0114	0095	0076	0087	0098	0108	13h
14	0127	0105	0089	0095	0106	0108	0097	0103	0117	0125	0110	0087	0070	0083	0091	0103	14
15	0124	0098	0086	0092	0103	0104	0093	0103	0116	0117	0108	0084	0067	0080	0086	0100	15
16	0124	0097	0086	0092	0103	0106	0094	0101	0116	0116	0107	0086	0007	0082	0087	0100	16
17	0126	0101	0093	0094	0107	0107	0097	0107	0123	0120	0109	0086	0073	0086	0088	0104	17
18	0128	0107	0100	0099	0114	0116	0104	0113	0127	0125	0114	0091	0078	0093	0095	0109	18
19	0137	0116	0107	0106	0117	0121	0112	0122	0137	0133	0119	0096	0085	0098	0097	0116	19
20	0138	0123	0110	0114	0126	0126	0117	0126	0143	0137	0126	0097	0090	0105	0100	0122	20
21	0143	0127	0113	0119	0128	0126	0123	0133	0146	0138	0130	0103	0094	0110	0105	0126	21
22	0142	0127	0115	0122	0126	0126	0125	0134	0147	0140	0130	0105	0095	0114	0105	0127	22
23	0138	0126	0114	0119	0127	0123	0122	0134	0147	0138	0127	0104	0091	0112	0106	0125	23

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

Hour. \ Day.	OCTOBER 1916.																															
	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	7	9	2	7	2	3	9	10	5	2	2	10	8	7	2	0	3	1	1	1	3	10	4	6	8	3	1	8	10	8	4·9
1h	3	10	8	2	3	2	1	10	9	9	1	1	10	7	8	3	5	2	1	2	2	3	10	2	6	10	4	1	0	9	4	4·8
2	4	6	8	3	4	3	2	10	10	10	2	4	10	7	10	4	8	2	2	3	6	8	9	3	7	8	6	2	7	10	3	5·8
3	4	4	7	6	6	1	2	10	9	4	1	10	10	9	9	3	9	2	3	8	5	9	8	4	2	7	7	3	2	8	6	5·7
4	5	10	7	9	5	3	2	10	9	3	1	10	10	8	9	2	8	3	2	1	9	7	8	7	1	8	8	7	3	7	8	6·1
5	10	9	7	10	3	4	2	9	8	3	5	9	10	8	8	2	9	4	1	2	7	7	8	6	3	8	8	6	3	6	8	6·2
6	10	9	7	10	2	7	6	8	7	1	8	8	10	6	10	2	10	5	1	3	5	7	9	6	5	10	8	8	4	6	8	6·6
7	8	10	8	9	5	4	7	9	5	3	7	5	10	7	5	3	6	5	0	3	6	7	9	4	6	9	7	7	3	7	7	6·2
8	9	10	8	8	5	8	7	9	3	5	6	3	9	7	6	6	4	5	1	6	5	8	9	6	6	10	7	5	4	8	7	6·4
9	10	10	8	9	6	9	9	8	3	8	5	3	8	4	6	7	7	9	4	7	8	8	6	8	8	7	8	4	7	8	7	7·1
10	9	10	7	9	5	9	8	7	4	5	7	4	6	5	6	8	6	9	6	8	9	7	8	8	7	9	10	6	5	6	8	7·1
11	9	10	9	7	7	6	8	6	4	7	5	5	8	6	6	8	7	7	5	6	9	7	4	7	6	6	6	4	4	7	7	6·6
Noon	10	10	7	7	7	7	6	5	8	5	4	1	6	5	7	7	9	8	4	5	8	6	4	7	8	7	6	3	5	8	4	6·3
13h	8	10	7	8	6	5	6	4	8	4	5	4	10	7	6	6	9	9	4	8	7	6	5	8	6	6	5	6	6	6	4	6·4
14	8	10	6	7	5	8	5	5	9	6	5	3	9	8	6	6	7	6	6	8	7	6	8	5	7	8	5	6	5	7	3	6·4
15	8	10	5	7	8	3	4	6	8	8	4	3	10	7	6	7	6	5	5	8	7	5	5	6	7	5	6	6	6	6	3	6·1
16	9	9	7	7	7	3	3	7	7	7	3	8	9	5	5	8	5	5	4	8	5	5	6	8	8	4	5	6	8	4	5	6·1
17	8	8	4	8	6	3	5	8	4	6	3	9	8	3	5	6	5	4	5	7	5	4	7	7	9	4	3	5	8	2	2	5·5
18	10	9	8	8	5	3	1	8	5	2	4	10	9	1	3	4	4	2	3	8	4	3	7	6	9	3	1	5	9	2	1	5·1
19	10	8	9	7	6	2	2	8	3	1	4	10	7	0	2	1	3	1	3	10	3	6	10	6	10	2	1	6	9	1	2	4·9
20	8	8	10	8	4	2	0	8	0	3	3	10	7	0	1	1	3	1	1	5	3	8	5	8	8	2	0	5	10	1	0	4·3
21	8	7	10	5	4	2	10	8	0	2	4	10	7	3	2	0	2	1	1	10	2	5	5	4	8	2	1	7	10	1	0	4·5
22	10	9	9	3	3	6	9	9	2	1	7	10	7	4	2	0	2	1	2	5	1	8	6	5	6	6	1	9	10	2	0	5·0
23	10	8	5	5	2	4	10	8	3	3	3	10	9	6	4	0	2	2	2	3	1	10	3	4	5	5	0	10	10	4	0	4·9

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

Hour* Ending. \ Day.	OCTOBER 1916.																															
	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	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	0	0·0
7	10	0	15	1	42	30	0	0	16	45	0	35	0	30	8	48	32	3	50	45	15	30	0	43	35	6	7	25	60	4	50	11·4
8	31	0	41	37	51	58	37	7	59	60	20	60	35	60	46	60	60	4	60	35	56	30	45	43	54	40	32	55	60	35	55	22·1
9	1	0	59	18	47	33	50	0	60	60	58	60	12	54	35	58	60	3	60	60	55	56	17	60	57	10	5	60	53	27	59	20·8
10	15	7	60	14	59	56	19	47	60	32	60	60	7	60	60	55	60	18	60	60	36	25	57	55	53	22	13	60	33	32	50	21·7
11	30	36	40	58	60	33	30	60	60	60	60	60	17	60	55	45	60	25	60	60	58	36	56	60	25	43	43	60	53	60	58	25·3
Noon	8	0	47	50	60	44	60	60	31	60	60	60	54	60	60	57	46	45	60	59	46	46	60	55	42	60	60	60	60	59	60	26·5
13h	14	0	60	60	48	57	60	60	32	60	60	60	32	55	60	60	45	50	60	60	60	45	60	30	45	48	60	59	55	60	60	26·3
14	36	3	60	60	58	60	60	60	46	60	60	60	30	60	60	36	53	60	60	58	60	57	60	32	57	57	60	55	52	60	60	27·5
15	50	0	56	60	47	60	60	55	28	55	60	60	29	60	60	58	60	58	40	60	60	59	60	60	50	32	60	45	60	45	60	26·8
16	6	0	53	60	58	60	60	47	12	55	60	60	0	60	60	60	60	54	36	60	60	60	60	50	59	60	43	40	3	47	60	24·4
17	25	0	37	43	45	60	57	25	35	50	60	0	7	60	45	58	60	45	35	59	60	45	54	45	33	50	55	40	56	32	45	22·0
18	0	0	14	25	15	36	22	0	1	25	40	1	13	44	33	42	42	30	3	47	35	33	30	7	30	7	42	0	30	55	0	11·7
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	0	0·0

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 266·5 hours; the corresponding period during which the sun was above the horizon was 387·8 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

OCTOBER 1916.

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	18·7	16·8	18·7	17·7	19·6	17·5	19·1	18·0	20·3	18·0	17·8	16·9	18·5	17·1	19·3	18·0
1h	18·0	17·0	18·8	18·0	19·5	17·3	19·1	18·0	19·7	17·8	18·4	17·1	18·4	17·2	19·3	18·2
2	18·2	17·1	19·0	18·3	19·5	17·5	19·6	18·0	19·8	17·6	18·0	17·0	18·7	17·4	19·8	18·8
3	18·8	17·4	19·1	18·4	19·1	17·3	19·1	17·9	19·4	17·2	17·9	16·9	18·7	17·7	19·8	19·0
4	18·8	17·7	19·1	18·2	18·9	17·1	19·0	17·9	18·7	16·9	18·4	17·3	18·7	17·5	19·8	19·0
5	17·9	17·3	19·2	18·1	18·8	17·0	18·9	17·9	18·8	17·4	18·8	18·0	18·6	17·3	18·8	17·9
6	17·0	16·5	19·0	18·1	18·8	17·0	18·9	17·5	18·9	17·0	19·0	17·9	18·0	17·0	19·4	18·5
7	19·1	18·2	19·6	19·0	19·9	18·0	19·9	19·0	21·6	18·9	21·4	19·2	20·4	19·0	20·8	19·9
8	19·5	17·6	19·3	18·5	22·2	19·0	21·4	19·0	22·5	19·0	22·9	19·9	23·1	19·6	21·8	20·0
9	19·4	18·3	20·6	19·7	22·9	18·5	21·5	19·2	23·5	19·3	22·1	19·6	23·2	20·0	22·9	20·2
10	21·0	19·4	21·7	19·7	23·5	18·8	21·9	19·2	23·9	19·7	23·5	19·2	24·0	20·0	24·3	20·3
11	21·4	19·4	21·8	19·5	22·5	18·8	24·2	19·8	24·4	19·5	24·1	19·0	24·9	20·2	25·3	20·1
Noon	20·1	19·3	21·3	19·5	23·9	19·1	24·2	19·6	24·2	19·6	22·9	19·7	25·5	20·0	25·5	20·3
13h	21·4	19·6	22·0	19·1	23·6	18·8	24·2	19·1	23·6	19·6	24·5	19·1	25·2	19·7	25·2	20·0
14	22·3	19·8	22·6	19·1	23·5	19·1	24·1	19·0	23·8	19·0	25·0	19·4	25·0	19·1	25·0	19·1
15	22·9	19·4	22·4	18·8	22·4	19·1	23·9	18·7	23·5	18·7	24·8	19·0	24·9	19·1	24·9	19·2
16	21·9	19·3	21·9	19·1	22·9	18·8	23·9	18·8	23·5	19·1	23·9	19·0	23·9	19·6	24·2	18·4
17	21·6	19·1	21·5	18·1	21·9	18·7	23·0	18·8	22·6	19·0	22·9	19·1	22·9	19·1	22·9	17·5
18	19·9	18·7	20·9	18·1	20·5	18·9	22·0	18·8	21·2	19·0	21·9	19·0	21·9	19·1	21·9	18·2
19	19·8	18·9	20·0	17·6	19·5	17·9	21·2	18·5	20·4	18·5	20·6	18·3	20·2	18·3	20·8	18·1
20	19·8	18·5	19·9	17·5	19·3	17·8	20·9	18·5	19·9	18·0	19·8	18·1	20·1	18·3	21·2	19·0
21	19·2	18·1	19·7	17·7	18·7	18·0	20·4	18·1	19·3	17·9	19·1	17·7	20·0	18·6	20·3	18·9
22	19·4	18·3	19·8	17·9	19·3	18·1	20·3	18·0	19·0	17·6	19·3	18·0	19·9	18·7	19·7	18·0
23	18·7	18·0	19·7	17·7	19·1	18·1	20·3	18·0	18·3	17·0	19·2	17·9	19·1	17·9	19·7	18·0

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	19·5	17·9	16·7	15·7	18·8	17·1	19·0	17·9	22·0	20·5	20·9	20·1	19·7	18·1	18·7	17·5
1h	19·6	18·0	17·5	16·3	18·7	17·0	19·7	19·0	21·6	20·8	20·7	19·6	19·7	18·3	18·7	17·4
2	19·4	18·0	17·9	17·0	19·0	17·0	19·4	18·4	21·1	20·5	20·8	19·6	20·3	19·0	18·8	17·5
3	19·7	18·0	17·8	16·9	19·3	17·0	19·3	18·4	20·8	20·2	20·8	19·5	19·8	18·9	18·9	17·6
4	19·5	18·0	18·1	17·0	19·4	17·0	19·6	18·6	20·8	20·0	20·4	19·0	19·7	18·5	18·7	17·1
5	18·7	17·2	18·7	17·6	19·2	17·5	19·8	19·0	20·7	20·0	20·4	19·0	19·9	19·0	18·8	17·2
6	17·9	16·6	17·9	16·9	19·1	18·0	19·9	19·0	20·8	20·0	20·7	19·0	19·9	18·9	19·7	18·0
7	20·8	18·7	21·4	19·3	20·1	18·4	22·1	19·9	20·8	20·0	22·6	19·7	21·2	19·6	22·0	19·0
8	23·7	19·4	23·4	19·9	22·4	19·2	23·4	19·7	22·1	20·9	23·1	19·7	22·9	19·7	24·2	19·5
9	24·9	19·3	24·7	19·7	23·9	19·4	24·8	19·9	22·9	20·4	24·9	20·0	23·8	20·0	24·7	19·8
10	25·8	19·6	23·1	20·0	24·8	19·8	24·9	19·8	24·2	20·9	25·0	20·1	24·2	19·9	24·9	20·0
11	26·5	19·2	25·2	19·1	25·2	19·6	25·3	19·8	25·6	20·7	24·9	20·0	24·9	20·0	25·1	19·2
Noon	24·9	20·4	25·7	19·3	25·4	19·5	25·9	19·9	25·6	21·3	25·5	20·2	25·1	19·7	25·6	20·3
13h	24·9	20·3	25·5	18·6	25·1	19·4	25·9	19·8	25·8	21·2	25·1	20·2	25·5	20·1	25·1	20·2
14	24·6	20·1	25·8	19·1	25·6	19·3	25·9	19·3	25·2	21·6	24·9	20·1	25·7	20·1	25·3	20·4
15	23·9	20·0	24·4	19·1	25·1	19·8	25·9	19·6	25·3	21·3	24·9	19·8	24·9	19·8	24·9	20·1
16	24·0	20·2	24·4	19·1	24·7	19·6	25·0	20·1	24·4	21·4	24·5	19·3	24·4	19·7	24·0	19·6
17	23·9	20·1	23·9	19·1	23·5	19·0	23·9	20·2	24·0	21·5	23·4	18·9	23·2	19·3	23·3	19·1
18	22·3	19·0	22·0	18·6	22·2	19·1	23·0	20·2	23·6	21·3	22·0	18·6	22·6	18·9	22·1	18·8
19	20·8	18·5	20·6	18·0	21·1	19·0	22·4	20·1	22·7	21·0	20·3	18·0	21·2	18·7	20·8	18·0
20	19·8	18·0	19·8	17·8	20·8	18·9	22·0	20·0	22·3	20·9	19·8	17·6	20·6	18·4	20·3	18·0
21	18·4	16·9	19·7	17·9	20·4	18·9	22·2	20·1	21·7	20·9	19·5	17·6	20·1	18·4	19·7	18·0
22	17·7	16·0	19·6	17·7	20·2	19·0	22·2	20·2	21·1	20·5	19·2	17·7	19·7	18·1	19·3	17·8
23	17·2	15·9	18·9	17·3	19·7	18·1	22·1	20·7	21·6	20·7	19·2	17·7	19·4	18·0	18·6	17·0

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

(*To obtain temperatures in the Absolute Scale add* 273°)

OCTOBER 1916.

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	18·2	16·2	19·0	17·6	17·2	15·5	19·6	17·7	19·5	17·9	20·0	17·8	20·5	19·3	19·5	18·6
1h	18·6	16·6	17·7	16·1	17·2	15·6	18·8	17·2	19·0	17·6	19·4	17·5	19·7	19·0	18·8	17·8
2	18·1	16·5	17·9	16·5	16·8	15·5	19·1	17·5	19·4	17·8	20·4	18·1	19·7	18·9	18·8	18·0
3	18·7	16·9	17·7	16·4	17·7	16·2	19·7	18·3	18·9	17·6	20·7	18·3	20·0	19·1	18·7	17·6
4	18·7	16·9	17·4	15·6	17·2	15·6	18·7	17·5	18·7	17·2	20·6	18·5	19·9	19·2	19·4	18·6
5	17·9	16·4	16·7	15·4	17·7	15·6	18·8	17·5	18·0	16·9	20·0	18·3	19·7	18·8	19·1	18·2
6	18·4	16·7	16·4	15·0	17·8	15·7	18·8	17·4	18·8	17·3	20·0	18·3	19·9	19·3	19·5	18·4
7	22·1	18·7	18·8	17·6	21·4	17·7	20·9	18·7	20·8	18·7	22·2	19·3	20·4	19·3	21·2	18·7
8	23·3	18·7	21·7	18·3	23·5	18·8	23·6	19·8	23·1	18·9	21·8	19·9	20·8	19·1	22·8	19·7
9	24·1	18·6	22·9	18·8	24·2	18·4	23·9	19·4	23·4	19·2	23·8	19·7	23·0	19·8	23·1	19·7
10	24·9	18·7	21·9	19·0	24·9	19·0	24·0	19·1	23·9	19·0	23·9	19·7	24·0	19·9	24·0	19·8
11	25·2	19·7	23·9	18·8	25·9	18·7	24·9	18·8	23·4	19·2	23·9	19·2	24·8	19·2	24·1	20·0
Noon	24·9	19·6	24·7	19·0	25·9	19·7	26·0	18·7	24·9	19·6	24·9	19·7	25·0	19·7	24·9	20·0
13h	25·4	20·2	24·9	18·7	25·8	19·9	25·1	19·5	25·8	19·1	24·9	19·6	25·1	20·1	24·9	19·9
14	25·3	19·9	25·1	18·6	25·6	20·1	25·2	19·6	25·0	19·5	25·1	19·0	24·4	20·1	25·2	19·6
15	25·6	20·2	24·3	18·0	24·4	18·6	25·0	19·6	25·0	19·6	24·9	19·5	24·7	19·6	23·9	20·1
16	24·4	19·8	23·9	17·7	24·2	18·3	24·4	19·5	24·2	19·5	24·6	19·1	24·0	19·4	23·9	20·1
17	23·5	19·4	22·9	17·3	23·4	18·6	23·9	18·9	23·1	18·5	23·5	18·9	23·0	19·2	22·8	19·5
18	22·1	18·8	21·7	17·2	22·2	18·0	22·3	18·1	22·1	18·6	22·5	19·2	21·9	18·9	21·8	18·6
19	21·0	18·4	20·0	16·9	20·8	17·6	21·0	18·2	21·5	18·6	21·8	19·0	20·4	18·9	20·9	18·6
20	20·2	18·2	19·4	16·5	20·0	17·5	20·4	18·6	21·5	18·7	21·2	18·7	20·4	18·9	21·2	18·8
21	19·9	18·2	17·9	15·7	19·8	17·6	19·8	18·2	20·8	18·6	20·8	18·7	20·2	18·8	20·4	19·3
22	19·4	17·8	18·4	16·1	19·8	17·6	19·8	18·2	20·8	18·8	20·8	19·0	20·1	19·1	20·2	19·3
23	19·4	17·8	17·8	15·9	19·8	17·7	19·9	17·8	20·2	17·8	20·8	19·2	19·4	18·5	19·8	18·7

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	19·8	18·6	19·5	18·6	20·1	19·0	18·7	17·5	18·8	17·6	20·0	18·7	17·9	15·7	19·2	17·8
1h	19·7	18·6	19·7	18·8	19·7	18·6	18·3	17·2	18·4	17·2	19·8	18·2	18·8	16·6	19·1	17·7
2	19·3	18·3	20·3	19·5	19·7	18·7	18·6	17·6	17·7	16·7	19·8	18·0	19·0	16·6	19·2	17·8
3	19·2	18·0	20·5	19·6	19·7	18·6	18·4	17·5	17·7	16·7	20·1	17·9	18·7	16·0	19·2	17·8
4	19·1	17·9	20·2	19·5	19·3	18·2	18·7	17·6	17·2	16·2	20·2	17·8	18·7	15·6	19·1	17·7
5	19·6	18·4	20·1	19·2	19·6	18·6	17·8	17·2	16·7	15·9	20·0	17·8	18·3	15·3	18·9	17·6
6	19·8	18·6	19·8	18·8	19·8	18·9	18·8	17·8	17·5	16·7	20·5	18·6	18·8	15·5	19·0	17·7
7	21·8	19·7	20·8	19·7	20·9	20·1	20·8	19·7	21·8	19·3	21·7	18·8	21·8	15·8	21·1	19·0
8	23·1	19·7	21·1	19·9	22·7	19·7	23·8	20·2	23·8	21·2	22·3	19·2	22·8	15·6	22·5	19·3
9	23·9	20·6	23·1	20·6	22·9	19·7	24·9	20·7	25·9	22·2	23·0	18·7	23·9	16·1	23·4	19·5
10	24·2	20·3	21·9	20·7	22·9	19·6	25·9	20·3	25·3	21·1	24·9	19·3	23·9	16·7	23·9	19·6
11	24·9	20·2	24·0	21·2	24·2	19·7	26·0	19·7	26·9	21·7	25·0	19·3	25·0	17·5	24·6	19·6
Noon	24·9	20·7	24·9	21·1	24·3	19·6	26·5	20·4	27·8	22·1	25·9	19·4	25·8	17·7	24·9	19·8
13h	25·4	20·6	25·0	20·5	25·1	19·5	26·1	20·2	27·3	21·7	26·4	19·2	25·1	17·7	25·0	19·7
14	24·9	21·0	25·1	20·6	25·2	19·5	26·7	20·6	26·9	21·3	25·9	18·6	25·5	17·7	25·0	19·6
15	24·8	20·7	24·7	20·6	25·0	20·0	25·9	21·1	26·0	21·6	25·1	18·7	25·0	18·2	24·6	19·6
16	24·8	20·7	24·4	20·6	24·2	19·6	26·6	21·0	25·0	20·9	24·6	18·5	24·0	17·6	24·2	19·5
17	22·8	20·0	22·9	20·3	23·8	19·0	24·9	20·3	24·9	20·6	23·5	17·6	22·6	17·2	23·2	19·1
18	22·6	19·6	22·0	19·6	22·5	18·6	23·8	20·0	23·8	20·6	21·8	17·2	21·4	16·7	22·1	18·8
19	22·4	19·8	20·8	19·1	20·5	18·4	22·1	19·6	23·2	20·2	20·6	17·1	20·8	16·5	21·0	18·5
20	21·5	19·8	20·8	19·3	19·8	18·0	21·1	18·9	22·4	20·4	20·1	16·6	20·3	16·2	20·5	18·4
21	21·6	19·9	20·8	19·6	19·5	17·8	20·5	18·8	21·4	20·0	19·4	15·7	20·2	16·7	19·9	18·3
22	20·8	19·7	20·6	19·0	19·1	17·7	19·9	18·4	20·8	19·7	18·5	15·8	18·5	16·2	19·8	18·2
23	20·6	19·4	20·3	18·7	18·8	17·6	19·3	17·7	20·7	19·4	18·8	15·7	17·7	15·7	19·5	17·9

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

OCTOBER 1916.

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	884	940	885	937	891	942	891	921	900	939	896	919	890	923	900	928	Midnight
1h	884	939	882	927	892	941	889	928	900	940	896	920	890	923	892	919	1h
2	881	947	900	932	888	930	900	941	900	937	896	918	890	923	894	915	2
3	880	948	900	932	889	928	900	943	900	928	895	924	895	922	900	919	3
4	876	936	915	937	889	927	900	932	900	926	891	921	896	921	900	913	4
5	876	957	906	931	887	932	900	940	900	922	890	924	894	929	897	919	5
6	878	954	888	931	887	932	887	932	900	929	889	928	896	919	897	916	6
7	881	946	911	927	886	934	888	931	900	933	888	931	893	932	904	917	7
8	877	955	913	934	889	952	912	960	912	959	900	947	906	928	919	921	8
9	889	954	910	947	900	963	900	959	900	964	911	954	908	939	922	928	9
10	878	954	914	967	888	960	913	963	874	964	911	953	917	941	917	933	10
11	875	960	912	961	900	967	914	972	914	972	912	959	909	943	909	943	11
Noon	879	951	877	955	900	975	914	971	912	961	900	955	925	938	928	946	Noon
13h	900	966	900	967	900	973	914	971	925	960	879	951	909	945	924	941	13h
14	900	962	912	961	900	967	913	970	913	964	911	953	907	936	923	936	14
15	888	959	900	961	900	964	914	962	914	967	912	959	900	942	914	935	15
16	876	957	900	964	900	957	900	970	900	962	919	947	900	944	910	934	16
17	890	949	900	955	890	950	911	966	882	944	900	953	900	944	908	923	17
18	900	940	900	944	890	949	900	954	900	946	892	940	906	931	906	918	18
19	893	934	900	944	886	936	900	953	900	939	894	927	900	922	903	915	19
20	894	930	892	941	887	933	900	951	900	934	895	924	897	921	903	913	20
21	896	921	891	942	890	924	900	946	900	927	897	916	894	916	907	916	21
22	889	927	892	940	886	935	900	944	897	928	895	924	900	928	900	916	22
23	880	930	892	938	889	929		943		917	892	920		927		913	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	900	917	893	916	890	924	892	920	892	939	893	936	890	923	896	918	Midnight
1h	900	911	893	916	888	930	889	927	886	936	885	937	900	919	896	919	1h
2	900	910	893	917	886	935	888	930	900	937	883	925	913	932	896	918	2
3	892	911	895	911	885	937	887	933	900	935	885	938	892	918	891	921	3
4	893	909	892	918	891	944	900	919	900	933	888	931	890	924	892	918	4
5	890	915	891	922	891	945	890	923	900	938	888	930	877	934	893	916	5
6	890	914	893	915	883	925	891	921	900	944	892	941	889	927	890	924	6
7	892	910	892	918	876	924	893	932	900	955	890	947	872	941	889	927	7
8	890	924	879	932	873	941	900	949	879	950	887	964	882	944	891	943	8
9	900	929	892	941	879	950	890	951	875	959	900	965	875	961	879	951	9
10	911	929	915	938	880	949	900	957	873	966	887	966	887	965	889	956	10
11	908	937	900	948	889	956	912	959	900	973	878	954	885	977	912	957	11
Noon	854	881	900	946	889	955	888	958	886	970	875	960	886	969	900	955	Noon
13h	891	856	900	949	870	946	879	950	926	962	900	966	876	957	888	958	13h
14	886	864	900	947	900	956	875	959	900	968	912	959	887	966	900	960	14
15	888	871	882	945	889	956	889	955	926	963	900	961	891	945	888	960	15
16	892	881	891	944	870	945	882	944	887	965	912	958	889	955	900	958	16
17	911	883	891	943	879	951	878	932	900	959	900	951	891	946	900	957	17
18	896	920	887	932	883	942	875	937	900	959	900	926	890	951	900	947	18
19	897	915	893	917	887	932	886	935	900	945	897	914	894	929	895	934	19
20	897	908	892	910	888	931	882	927	900	938	897	916	896	920	896	922	20
21	896	909	887	920	892	938	885	937	891	942	896	918	896	921	896	918	21
22	897	906	888	919	896	921	876	936	892	942	896	918	895	924	897	918	22
23	895	911	890	923	895	926	880	930		940	892	919	896	921		914	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

OCTOBER 1916.

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	897	916	896	910	889	911	890	924	891	921	900	932	900	937	890	915
1h	896	918	896	910	890	915	892	920	892	920	906	929	900	941	890	915
2	897	917	892	920	889	917	889	917	891	921	900	926	900	945	892	914
3	897	917	893	916	892	918	889	926	892	919	906	927	900	923	890	919
4	896	918	882	927	893	917	895	922	892	918	900	928	909	942	889	924
5	896	921	889	917	880	920	888	930	893	915	891	922	900	945	887	927
6	895	924	885	915	883	925	886	935	892	920	900	926	889	953	883	932
7	888	930	890	910	879	932	888	930	887	934	900	943	900	955	882	942
8	900	952	875	925	885	938	900	945	900	956	910	949	900	940	886	944
9	918	945	879	931	875	937	888	957	913	963	913	962	900	967	888	967
10	910	950	878	933	883	942	888	960	914	969	912	957	886	969	900	959
11	900	949	911	929	892	941	886	970	912	957	912	958	900	967	900	975
Noon	884	939	915	937	919	946	887	962	900	966	921	952	900	966	872	971
13h	908	940	900	941	900	945	900	951	914	967	910	951	900	965	900	967
14	900	944	925	937	918	944	911	954	913	966	910	950	888	963	872	974
15	900	948	900	939	900	941	900	959	900	965	911	955	878	959	887	968
16	873	941	887	932	900	941	890	951	912	961	922	953	889	953	888	964
17	882	944	900	936	900	938	889	953	922	953	910	949	892	956	900	958
18	900	939	906	929	900	933	900	943	900	951	911	952	882	940	893	949
19	890	923	900	923	900	927	896	920	908	941	900	941	894	927	892	936
20	893	916	890	915	895	923	892	920	908	939	900	936	885	928	886	940
21	893	916	882	927	895	922	888	919	909	942	900	934	890	924	887	935
22	895	912	886	914	889	927	889	917	908	939	893	938	895	923	889	932
23	892	918	887	913	890	925	886	921	887	932		933		926		929

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	887	933	878	933	895	925	893	916	890	915	889	916	888	912	892	924
1h	886	936	886	935	900	937	892	918	891	913	882	912	886	914	892	925
2	889	928	892	940	890	924	892	918	887	920	878	909	887	913	893	925
3	889	927	881	947	900	925	892	919	888	918	882	908	882	918	892	925
4	890	923	900	951	884	940	892	918	885	923	871	911	887	913	893	925
5	885	923	893	934	894	929	893	916	887	920	876	910	882	912	891	926
6	889	928	883	941	888	931	892	919	887	919	889	905	886	910	890	927
7	888	930	891	944	890	925	892	918	893	909	882	912	888	919	890	930
8	877	956	900	964	909	943	907	933	910	910	871	929	887	934	894	943
9	883	985	880	948	919	947	914	935	923	900	861	939	884	939	896	950
10	877	955	879	952	921	952	916	939	922	878	846	936	900	945	896	950
11	875	960	888	961	932	948	924	936	934	886	840	940	885	938	900	953
Noon	851	949	933	949	900	958	928	928	935	877	857	943	908	938	898	949
13h	900	965	912	960	910	951	908	941	908	860	859	941	876	936	899	948
14	900	969	911	952	917	943	934	923	908	859	856	929	900	939	904	947
15	900	970	900	959	913	932	934	913	924	864	861	939	900	950	901	947
16	900	968	911	952	907	934	932	913	900	859	854	946	883	955	896	945
17	900	966	900	947	907	935	924	910	900	859	851	949	892	943	896	942
18	900	957	900	942	900	930	910	908	894	870	867	933	894	937	897	937
19	900	947	890	924	900	925	910	907	900	879	874	926	893	929	896	928
20	891	943	894	928	896	919	908	908	878	895	881	929	889	934	894	926
21	900	949	900	929	896	921	908	908	884	897	888	918	892	929	894	925
22	900	958	900	927	896	919	903	914	889	898	882	927	893	920	894	925
23	900	954	896	921	893	916	891	913	892	908	887	913		916	892	924

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

OCTOBER 1916.

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

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

TABLE XIII.—DIRECTION of the WIND at every HOUR of the DAY during the MONTH of OCTOBER 1916.
(*The days on which the Normal Trade Winds were interrupted are indicated by an asterisk* *).
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	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	Hour. Mauritius Standard Time.
	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	
Midt.	6	6	7	6	8	7	6	8	8	6	6	6	7	7	6	7	7	6	4	6	6	8	8	5	6	5	7	6	5	5	4	Midt.
1h	6	5	7	6	8	7	6	6	8	6	6	6	6	6	8	7	7	6	5	6	6	9	8	5	6	6	8	6	5	3	4	1h
2	6	8	6	8	8	7	6	6	8	6	6	6	8	5	10	7	7	6	5	5	6	8	8	5	6	7	6	6	5	2	4	2
3	6	8	6	8	8	7	7	8	5	6	6	6	8	6	6	6	7	6	6	6	6	9	8	6	6	6	8	6	5	2	4	3
4	5	10	6	8	8	6	7	8	5	6	7	8	8	6	6	6	7	5	6	7	6	8	9	6	6	8	6	6	5	2	4	4
5	6	9	6	8	8	6	7	8	5	6	7	6	8	6	5	6	7	5	4	6	6	6	8	6	5	7	7	6	5	2	3	5
6	6	6	6	6	8	6	7	7	5	6	5	6	8	7	6	6	7	4	5	6	6	8	7	6	6	6	6	6	5	2	3	6
7	6	10	6	6	8	6	7	7	5	6	4	7	8	7	5	6	6	4	5	6	6	8	8	6	6	7	6	6	5	3	5	7
8	6	10	7	9	9	8	9	9	6	5	5	8	6	7	6	7	8	4	6	8	8	9	8	6	6	8	9	9	12	4	6	8
9	7	9	8	8	8	9	9	11	8	7	6	7	6	8	6	6	10	5	5	7	9	9	8	7	7	6	10	10	16	4	6	9
10	6	9	7	9	6	9	10	11	10	10	6	8	6	7	7	7	9	5	6	7	9	9	8	7	6	6	10	10	20	3	8	10
11	6	9	8	9	9	9	9	10	9	8	7	9	8	6	7	9	8	10	7	7	9	9	7	8	6	7	11	11	18	3	6	11
Noon	6	6	8	9	9	8	11	9	30	8	7	7	7	6	7	8	6	10	10	7	8	10	8	8	4	11	8	12	19	4	9	Noon
13h	8	8	8	9	10	6	9	11	25	8	5	6	10	8	6	7	9	8	8	8	9	9	8	6	8	9	9	9	23	4	5	13h
14	8	9	8	9	9	9	9	11	26	8	8	6	8	9	7	7	8	11	10	9	9	9	8	8	8	9	10	13	23	3	8	14
15	7	8	8	9	9	9	8	11	26	6	7	7	10	8	7	8	8	8	8	8	8	9	7	6	8	8	10	14	21	4	8	15
16	6	8	8	9	8	10	8	10	26	7	5	6	7	9	7	7	5	6	8	7	9	10	6	7	8	9	9	14	24	4	8	16
17	7	8	7	8	6	8	8	10	21	7	6	5	8	8	7	8	6	8	8	7	10	9	7	7	8	8	9	14	24	4	6	17
18	8	8	7	9	8	7	9	10	†7	6	6	5	8	8	7	8	8	9	8	8	8	9	7	8	8	8	8	13	25	4	7	18
19	7	8	6	8	8	7	8	10	7	6	6	6	8	7	7	8	6	8	8	7	9	8	5	7	8	6	8	13	24	4	7	19
20	7	7	6	8	8	7	8	9	6	6	6	5	8	7	7	7	6	5	7	6	9	8	7	7	7	7	7	12	31	5	7	20
21	7	7	6	8	8	7	7	9	6	5	7	6	8	7	7	7	6	5	7	5	9	8	5	6	8	8	7	12	31	5	6	21
22	6	7	6	8	8	7	7	10	6	5	7	5	7	7	7	7	6	4	6	5	9	8	6	6	8	8	7	9	31	5	6	22
23	5	7	6	8	7	6	8	8	6	6	7	5	7	6	7	7	6	4	6	5	6	7	7	6	8	7	6	5	4§	4	6	23

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of OCTOBER 1916.

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	23·5	23·4	23·3	23·0	22·7	22·7	22·8	23·0	22·9	22·8	22·5	22·0	22·1	22·5	22·8	22·9	22·8	21·7	20·7	20·8	22·1	23·1	23·3	22·7
2	23·1	23·0	22·7	22·4	22·1	22·1	22·2	22·3	22·7	22·4	21·9	21·5	21·5	21·8	22·1	22·0	21·9	21·3	20·2	20·0	21·3	22·3	22·4	21·8
3	22·3	22·2	22·1	22·1	22·0	22·1	22·3	22·7	22·0	21·7	21·7	21·4	21·5	22·0	22·6	22·8	21·7	20·9	20·5	20·5	21·9	23·5	23·8	23·0
4	22·8	22·7	22·5	22·4	22·3	22·5	22·7	23·0	22·6	22·3	22·1	21·9	21·9	22·5	23·1	23·1	22·2	21·5	21·1	21·1	22·2	24·1	24·2	23·2
5	23·1	23·0	22·8	22·7	22·6	22·6	22·9	23·1	22·9	22·6	22·3	22·1	22·2	22·6	23·2	23·3	22·4	21·8	21·3	21·3	22·9	24·3	24·3	23·5
6	23·3	23·1	22·9	22·7	22·6	22·8	23·0	23·3	23·1	22·7	22·3	22·2	22·2	22·8	23·5	23·6	22·6	21·8	21·2	21·5	22·7	24·7	24·7	24·1
7	23·3	23·3	23·0	22·9	22·8	22·9	23·2	23·6	23·2	23·0	22·5	22·3	22·5	23·1	24·0	24·1	22·7	22·2	21·5	21·6	22·9	25·6	26·0	24·9
8	23·8	23·7	23·7	23·5	23·6	23·5	23·9	24·3	23·7	23·8	23·4	23·2	23·4	24·0	24·5	24·5	23·7	23·2	22·9	22·6	23·0	26·4	25·9	24·8
9	24·4	24·1	24·0	23·7	23·6	23·7	24·0	24·3	24·0	23·9	23·6	23·3	23·3	24·0	24·4	24·5	23·7	23·4	22·9	22·6	24·5	25·9	25·9	24·8
10	24·4	24·1	23·8	23·6	23·6	23·6	24·0	24·3	24·1	23·6	23·3	23·1	23·2	23·8	24·6	24·6	23·2	22·6	22·0	22·1	24·1	26·3	26·1	25·0
11	24·5	24·2	24·0	23·8	23·7	23·8	24·1	25·0	24·3	23·8	23·5	23·3	23·3	24·1	24·7	24·8	23·9	23·0	22·3	22·6	24·4	26·5	26·5	25·2
12	24·6	24·5	24·2	24·1	24·0	24·2	24·6	24·4	24·6	24·1	23·8	23·7	23·7	24·5	25·3	25·2	24·5	23·5	23·1	23·1	24·8	27·1	27·1	25·2
13	25·1	24·9	24·8	24·6	24·5	24·5	24·9	25·0	25·0	24·8	24·6	24·3	24·3	24·8	25·3	25·3	25·0	24·6	24·2	23·9	25·0	26·5	26·5	25·6
14	24·8	24·9	24·8	24·6	24·5	24·6	24·9	25·1	24·7	24·7	24·5	24·1	24·2	24·8	25·4	25·4	24·0	24·1	23·7	23·5	25·0	27·0	26·8	25·6
15	25·1	25·0	24·7	24·6	24·4	24·6	24·9	25·1	25·0	24·6	24·3	24·1	24·1	24·7	25·4	25·4	24·4	23·7	23·4	23·3	24·6	27·0	26·7	25·7
16	25·1	24·9	24·7	24·5	24·4	24·3	24·6	24·9	25·1	24·6	24·1	23·9	23·9	24·4	24·9	25·0	24·5	23·6	22·9	23·0	24·4	26·1	26·2	25·1
17	25·0	24·6	24·5	24·3	24·1	24·2	24·5	24·8	24·7	24·2	23·8	23·6	23·6	24·3	24·8	24·8	24·2	23·2	22·5	22·6	24·2	26·1	26·1	25·2
18	24·7	24·6	24·5	24·1	23·9	24·0	24·2	24·4	24·4	24·2	23·7	23·3	23·3	23·8	24·5	24·3	24·3	23·2	22·4	22·1	23·7	25·7	25·7	24·4
19	24·5	24·3	24·1	23·8	23·6	23·7	24·0	24·4	23·9	23·7	23·3	23·0	23·1	23·7	24·4	24·4	23·0	22·5	21·8	21·8	24·4	25·9	25·6	24·7
20	24·5	24·3	24·1	23·9	23·9	24·0	24·2	24·5	24·2	23·7	23·5	23·3	23·3	24·0	24·6	24·6	23·7	22·9	22·3	22·4	23·9	25·9	26·0	25·0
21	24·9	24·5	24·3	24·1	23·9	24·1	24·4	24·5	24·3	24·0	23·7	23·4	23·5	24·1	24·7	24·6	24·1	23·3	22·7	22·6	23·7	26·2	25·7	24·9
22	24·5	24·5	24·4	24·2	24·1	24·1	24·3	24·5	24·2	24·1	23·7	23·7	23·6	24·0	24·4	24·4	23·7	23·4	23·1	23·1	23·6	25·1	25·3	24·5
23	24·4	24·3	24·2	24·0	23·9	24·0	24·4	24·6	24·2	23·9	23·7	23·4	23·5	24·2	24·8	24·8	24·0	23·3	22·8	22·5	24·0	26·2	26·0	25·0
24	24·6	24·5	24·2	24·1	24·0	24·0	24·3	24·5	24·5	24·1	23·7	23·6	23·6	24·0	24·6	24·5	23·7	23·1	22·5	22·5	24·0	25·5	25·4	24·0
25	24·5	24·3	24·1	24·0	23·8	24·0	24·3	24·5	24·1	23·9	23·6	23·4	23·5	24·0	24·6	24·6	24·2	22·8	22·3	22·5	24·0	25·8	25·5	24·9
26	24·5	24·4	24·2	24·0	24·0	24·0	24·4	24·5	24·4	24·1	23·8	23·6	23·6	24·2	24·7	24·7	23·[illegible]	23·2	22·8	22·5	23·8	26·0	25·9	24·6
27	24·5	24·5	24·3	24·1	24·0	24·0	24·4	24·5	24·4	24·1	23·8	23·6	23·6	24·1	24·8	24·8	23·8	23·0	22·7	22·7	23·7	26·1	26·1	25·0
28	24·6	24·5	24·3	24·0	24·0	24·1	24·5	24·7	24·5	24·0	23·8	23·4	23·5	24·3	25·1	25·1	24·2	22·9	22·3	22·3	24·3	26·8	26·7	25·7
29	24·9	24·7	24·6	24·3	24·2	24·3	24·7	25·2	24·7	24·5	24·1	23·7	23·7	24·7	25·4	25·6	24·1	23·6	22·7	22·7	24·5	27·4	27·4	26·4
30	25·4	25·2	25·0	24·9	24·7	24·9	25·4	25·6	25·3	24·9	24·7	24·4	24·5	25·2	25·9	25·7	24·9	24·4	23·8	23·7	25·5	28·0	27·3	25·7
31	25·6	25·3	25·1	24·8	24·7	24·7	25·1	25·4	25·3	24·7	24·4	24·2	24·1	24·7	26·0	25·6	24·5	23·6	23·2	23·1	24·4	27·3	27·1	25·9
Mean	24·33	24·18	24·00	23·80	23·68	23·76	24·07	24·33	24·10	23·79	23·48	23·22	23·27	23·86	24·48	24·48	23·65	22·95	22·38	22·34	23·79	25·81	25·75	24·72

§ Direct. † Retrograde.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of OCTOBER 1916.

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.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Oct. 1d		...	13·5	20·1	11·9	5·3	49·0	4·3	20·3	85·1	15·7		51·3	98·6	24·9	80·5
2		19·0	59·0	22·9	26·7	46·2	44·7	20·3	82·3	46·2	80·0		118·2	10·4	165·9	3·2
3		23·0	...	27·9	21·8	33·0	7·6	38·1	1·3	10·2	25·1		27·9	...	20·1	...
4		51·0	...	3·8	3·0	12·3	...	2·5	8·4	...	7·2		10·2	...	10·4	2·3
5		...	...	0·2	2·8	2·0	3·0	...	0·5	...	...		...	...	...	...
6		...	...	...	0·3	1·5	...	...	3·6	...	...		0·8	...	...	...
7		...	1·8	...	0·5	0·5	...	...	...	...	...		2·0	12·7	...	6·4
8		3·6	...	...	1·0	2·0	...	1·3	3·6	9·1	...		23·6	...	7·6	...
9		3·0	...	...	...	...	3·0	...	0·5	...	...		...	...	...	...
10		0·4	1·0	...	1·3	...	...	...	0·5	...	...		2·0	...	...	...
11		0·4	...	2·3	0·8	...	...	0·8	1·0	7·6	...		...	...	...	6·0
12		4·6	...	3·8	3·0	3·6	5·8	5·1	6·1	...	...		...	7·4	9·9	...
13		0·8	...	2·3	0·8	3·0	3·6	0·2	4·1	...	11·9		14·5	7·6	...	3·0
14		...	...	0·8	0·3	1·8	...	1·0	3·3	...	...		6·6	...	11·4	...
15		...	...	0·5	1·0	0·8	...	...	1·5	10·9	...		1·3	...	...	...
16		...	...	...	0·2	...	...	...	0·2	...	...		...	...	...	1·2
17		...	...	...	...	...	...	...	...	...	...		...	...	...	...
18		...	...	...	...	0·5	...	...	...	...	...		...	...	...	...
19		...	...	...	...	...	...	...	...	...	...		...	...	...	...
20		...	...	0·8	1·0	2·5	...	0·5	0·5	...	...		...	...	...	...
21		...	...	...	1·3	2·3	2·0	0·5	1·3	3·6	...		2·0	...	...	...
22		...	2·0	...	...	10·9	...	...	1·0	33·5	...		27·9	7·4	...	4·3
23		0·8	...	8·6	22·9	0·8	4·2	...	3·8	10·7	17·0		8·9	...	4·1	4·1
24		1·2	...	...	3·3	0·5	...	...	2·8	7·4	5·2		12·7	11·9	2·8	2·0
25		1·6	4·4	1·3	2·8	10·4	3·0	0·8	1·5	9·9	3·0		11·9	15·2	2·3	3·2
26		13·0	...	3·3	4·1	13·3	5·6	1·8	11·9	16·0	6·1		17·3	5·1	2·5	3·1
27		2·0	...	2·5	2·0	...	9·7	5·6	9·7	...	12·2		10·7	...	0·5	...
28		...	...	...	...	...	3·6	...	...	3·8	...		3·0	...	...	...
29		...	...	...	...	...	...	...	...	...	...		...	...	...	...
30		...	...	0·2	2·5	...	...	...	...	...	...		1·8	...	...	...
31		...	...	...	...	...	...	...	...	...	...		2·0	4·0	...	...
Total ...	...	124·4	81·7	101·3	115·3	153·2	144·8	82·8	169·7	254·0	183·4	...	356·6	180·3	262·4	119·3

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of OCTOBER 1916.

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.	Flora.	Labarraque.* §	Beau Reds.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion. §	Mare aux Vacoas.	Salency.	Réduit.*	Alma.	Military Camp.	La Ferme.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Oct. 1d	13·0	24·1	31·7		20·0	103·6	20·8		8·9		61·5	15·5	...	57·1		4·6
2	87·0	164·8	228·6		140·0	5·6	30·0		7·9		200·7	27·4	50·3	40·6		3·0
3	7·0	13·2	29·2		8·0	5·3	8·9		...		44·4	...	5·1	3·3		14·2
4	12·0	14·5	12·7		6·0	...	1·8		...		22·9	7·2	3·2	6·1		0·5
5	...	...	3·3		2·0	...	...		...		11·9	...	1·2	2·5		0·5
6	2·0	5·3	2·5		1·0	...	2·8		...		6·9	...	0·8	...		...
7	7·0	11·4	5·6		4·5	...	...		5·1		4·8	...	0·5	7·6		...
8	7·0	16·0	12·3		7·0	8·9	...		...		3·6	...	...	0·8		...
9	1·0	1·3	2·5		5·0	...	14·0		...		0·8	...	0·7	0·5		1·0
10	...	...	2·0		...	...	...		...		2·0	...	0·2	...		...
11	...	...	...		...	7·9	...		...		...	...	0·1	6·2		...
12	8·0	15·5	14·0		7·0	...	...		...		13·0	...	0·3	2·3		...
13	5·0	1·0	2·0		2·0	...	...		...		3·0	...	0·2	5·6		0·3
14	4·0	8·1	6·3		3·0	...	...		...		4·3	...	0·2	0·5		...
15	1·0	...	1·8		1·0	...	...		...		2·5	...	...	1·5		...
16	...	...	3·8		...	...	...		...		...	...	0·1	...		...
17	...	...	...		...	...	...		...		0·8	...	0·6	...		...
18	...	...	...		...	...	...		...		...	...	0·3	...		...
19	...	...	...		...	...	...		...		...	...	..	0·8		...
20	...	4·1	0·8		6·0	...	...		...		3·0	...	0·3	2·0		2·8
21	...	1·5	0·5		...	3·8	...		...		0·5	...	1·8	4·3		...
22	8·0	10·2	21·6		6·5	5·6	...		...		15·2	...	...	10·9		3·0
23	5·0	10·7	57·2		5·0	3·8	6·3		12·7		40·6	...	11·0	3·3		...
24	...	2·3	4·1		1·0	4·8	...		...		19·0	7·6	1·8	5·1		1·0
25	0·5	7·1	8·9		4·0	31·8	3·8		2·5		10·2	9·7	6·0	16·0		0·5
26	7·0	24·1	26·4		16·0	...	5·3		...		26·8	7·6	7·1	9·4		1·3
27	3·0	2·8	5·8		1·5	...	...		...		8·9	...	1·6	...		...
28	...	...	2·5		4·0	...	...		...		4·6	...	...	...		...
29	...	...	...		...	...	...		...		...	...	...	0·8		...
30	1·0	5·1	1·3		2·0	...	...		...		3·0	3·0	...	...		1·8
31	...	...	7·6		5·0	...	...		...		2·5	...	1·2	...		...
Total ...	178·5	343·1	495·0	...	257·5	181·1	93·7	...	37·1	...	517·4	78·0	94·6	187·2	...	34·5

Observations discontinued temporarily.

* Mill § Record not received. * "Record for Reduit defective. Amount on 24th is total fall from 1st to 24th."

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

OCTOBER 1916.

Royal Alfred Observatory, Pamplemousses.

Hour Ending. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	10d.	11d.	12d.	13d.	15d.	18d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.
	mm.	mm.	mm.	mm.	mm.	mm	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1h	0·1	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	2·5	...	0·3	1·4	...	...	...
2	...	3·0	...	...	...	...	...	0·4	0·2	...	1·1	0·2	...	...	...	...	...	0·7	...	...	0·7	...	...	...
3	...	...	...	...	...	...	...	0·1	...	...	0·1	0·1	...	...	0·6	...	...	...	0·1	0·2	...	...	...	...
4	0·1	3·0	...	0·1	...	...	...	1·0	...	...	0·8	...	...	...	...	...	...	0·1	0·8	...	0·3	...	...	...
5	0·5	1·5	...	0·6	...	...	...	...	...	...	...	...	0·7	...	...	...	...	2·0	...	...	0·2	0·8	...	...
6	10·0	...	...	...	...	...	...	0·2	...	0·2	...	...	0·3	...	...	...	...	0·5	...	...	0·6	...	...	...
7	0·5	1·8	...	0·2	...	0·1	...	...	...	0·2	...	0·2	0·2	...	...	0·3	...	1·0	...	0·1	0·2	...	0.1	...
8	...	15·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	0·3	...	...	...	...	...	...
9	2·3	14·5	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	0·2	...	...	...	0·7	...	...	...
10	...	...	...	0·5	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	1·1	...	...	...
11	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	1·5	...	...	0·1	...	0·2	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	1·3	0·6	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...
16	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...
18	2·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	...	...	...	...
21	...	...	0·5	...	...	...	0·1	...	...	...	...	0·1	...	...	...	...	...	...	2·2	...	...	...	...	0·6
22	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·2	0·2	0·2	...	...	...	...
23	4·0	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	0·2	...	...	...	0·4
Midnight	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...

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

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

* Raingauge out of order from 1st to 24th.

TABLE XVII.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of OCTOBER, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	1	Mare Sèche *	20	3·96	100·6	...	17
	2	Union §	200	...	...	...	...
	3	St. Antoine	50	4·90	124·4	35·3	14
	4	Belmont...	50	3·43	87·1	36·8	8
	5	Poudre d'Or	20	2·76	70·4	40·9	8
	6	Poudre d'Or Hospital ...	10	1·90	48·2	43·7	3
	7	Mon Loisir (R)* ...	300	4·93	125·2	35·8	16
	8	Mon Loisir S.E.* ...	300	2·79	70·9	52·8	10
	9	Forbach	300	3·91	99·2	49·8	8
	10	Labourdonnais	290	3·23	81·7	14·7	6
	11	Beau Séjour	300	3·99	101·3	64·0	16
	12	Mont Piton	860	4·25	107·9	68·8	17
	13	Mon Choix	700	3·57	90·7	63·2	14
	14	Antoinette	640	4·75	120·6	54·6	16
	15	California	850	3·80	96·5	63·0	8
	16	Nouvelle Découverte ...	1,400	6·03	153·2	79·8	20
	17	Mon Songe	620	4·74	120·4	67·1	18
	18	La Grande Rosalie ...	643	4·26	108·2	63·8	13
	19	The Mount	325	4·08	103·6	43·9	8
	20	Botanic Gardens ...	325	4·54	115·3	52·8	23
	21	Beau Plan§	195	3·62	91·9	37·8	7
	22	The Observatory ...	179	3.79	96·3	32·5	24
	23	Solitude *	175	2·61	66·3	...	6
	24	St. André *	90	4·42	112·3	...	5
	25	Belle Vue Harel ...	350	3·73	94·7	38·3	8
	26	Mont Choisy	10	2·58	65·5	42·9	14
	27	Belle Vue (S. Est.) * ...	...	2·66	67·6	...	12
	28	Rosalie §	...	...	...	...	...
	29	Constance §	...	...	...	...	...
	30	Belle Vue Maurel § ...	...	...	...	...	...
	31	Esperance (Trébuchet) *	...	3·52	89·4	...	8
	32	Schœnfeld §	...	...	...	...	...
	33	Industrie §	...	...	...	...	...
	34	St. François Estate § ...	...	...	...	...	...
	35	Réunion Estate * ...	...	4·21	106·9	...	11
	36	Souvenir §	...	...	...	...	...
	37	Mon Rocher *	...	3·67	93·2	...	14
	38	Bon Espoir §	...	...	..	...	...
	39	Ile d'Ambre §	...	...	...	...	...
	40	La Salette §	...	...	...	...	...
	41	Leclézio Mapou * ...	...	4·73	120·1	...	14
2 & 3	1	Union Régnard ...	600	6·00	152·4	57·9	20
	2	La Grande Retraite§ ...	350	5·72	145·3	58·2	23
	3	Constance d'Arifat L.G.	100	3·26	82·8	...	14
	4	St. Julien Church* ...	1,050	6·68	169·7	...	23
	5	Rich Fund *	600	5·70	144·8	...	13
	6	Constance (Manès) S. E.	...	4·39	111·5	...	6
	7	Queen Victoria * ...	...	4·77	121·2	...	15
	8	Belle Mare §	...	...	...	...	...
	9	Beau Bois (Flacq) § ...	...	...	...	...	...
	10	Bel Etang (Lesur)§ ...	...	...	...	...	...
	11	Bon Espoir §	...	...	...	...	...
	12	Belle Vue (Allendy) *...	...	5·36	136·1	...	14
4	1	Sans Souci	900	10·00	254·0	137·7	13
	2	Etoile	400	7·22	183·4	99·6	10
	3	Beau Champ §	20	...	...	...	...
	4	Belle Rive *	400	7·37	187·2	...	19
	5	Olivia *	400	4·32	109·7	...	15
	6	Deep River *	350	7·80	198·1	...	11
	7	Unité §	...	6·41	162·8	...	17
	8	Belle Rose Estate * ...	...	...	...	...	...
	9	La Lucie Estate * ...	...	3·97	100·8	...	16
	10	La Lucie (Residence)*...	...	5·01	127·3	...	14
	11	Melrose *	...	9·57	243·1	...	12
	12	Bonne Veine *... ...	...	8·37	212·6	...	16
5	1	Rose Belle *	850	14·04	356·6	...	21
	2	Cent Gaulettes ...	500	17·90	454·7	143·0	26
	3	St. Hubert *	400	15·46	392·7	...	13
	4	Riche-en-Eau §... ...	460	7·10	180·3	83·0	10
	5	Ferney	20	10·33	262·4	86·6	12
	6	Beau Vallon	60	4.70	119·3	51·8	12
	7	Union Vale	200	5·61	142·5	57·9	10
	8	Mon Désert (Carié) * ...	75	4·00	101·6	48·0	15
	9	Riche Bois §	1,420	...	...	...	...
	10	Cluny §	1,000	...	...	...	...
	11	Virginia Estate * ...	...	4·97	126·2	...	15
	12	Eau Bleue §	...	...	...	...	...
	13	Union Park *	...	18·76	476·5	...	23
	14	Plaisance Estate * ..	...	4·93	125·2	...	13
	15	Sauveterre Estate § ...	...	...	...	...	...
	16	Deux Bras Estate * ...	...	10·15	257·8	...	13

River System.	Register Number	Station.	Approximate Altitude Feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
6	1	Kanaka	2,000	19·29	490·0	154·2	23
	2	Tivoli	1,300	16·85	428·0	166·6	20
	3	La Flora *	1,050	19·49	495·0	...	26
	4	Britannia (No. 1) ...	730	13·51	343·1	115·8	20
	4a	Britannia (No. 2)* (2)...	600	...	...	...	12
	5	Gros Bois§	500	...	...	...	...
	6	Savannah (Residence) ...	200	7·15	181·6	73·2	15
	7	Savannah (Mill) ...	200	5·74	145·8	63·8	16
	8	St. Aubin	300	7·03	178·5	73·9	18
	9	Union B.A.St.FélixS.E.*	90	10·31	261·9	...	8
	10	Beau Bois	350	10·14	257·5	112·2	23
	11	Labarracq (Resid.) § ...	250	...	...	...	...
	12	St. Avold *	900	15·78	400·8	...	23
	13	Terracine *	100	6·72	170·6	...	14
	14	Labarracq (Mill) § ...	250	...	...	...	...
	15	St. Felix Sugar Estate *.	...	10·02	254·5	...	12
	16	Bel Air *	...	7·57	192·3	...	14
	17	Chamouny §	...	...	...	...	...
	18	Union S.E. §	...	...	...	...	...
	19	Fontenelle §	...	...	...	...	...
	20	Combo §	...	11·13	282·7	...	19
	21	St. Felix (Wilson) * ...	...	8·14	206·8	...	14
	22	Joli Bois Estate * ...	...	12·43	315·7	...	13
7 8 & 9	1	Bel Ombre *	50	7·13	181·1	...	10
	2	Chamarel	400	3·69	93·7	53·6	9
	3	Beau Champ *	...	7·99	202·9	...	9
	4	Board *	...	5·35	135·9	...	9
	5	Ste. Marie *	...	8·44	214·4	...	8
	6	Médine Estate * ...	...	1·17	29·7	...	5
	7	Albion Estate * ...	...	0·75	19·0	...	2
	8	Anna Estate §	...	0·77	19·6	...	3
	9	Pierre Fond Estate * ...	...	1·98	50·3	...	3
10		No returns.					
11	1	Les Gorges *	...	1·42	36·1	...	8
	2	Curepipe Gardens ...	1,840	12·01	305·0	114·6	23
	3	Mare aux Vacoas ...	1,850	20·37	517·4	141·7	26
	4	La Marie Filter Bed ...	1,700	7·25	184·1	78·4	18
	5	Réunion §	1,420	...	...	...	...
	6	Tamarin *	150	1·46	37·1	...	5
	7	Clarens§	150	...	...	...	...
	8	Les Salines (B.R.)§ ...	...	...	...	...	...
	9	Terrain Bonnefin † * ...	...	13·77	349·8	...	27
	10	Chebel Estate §	...	...	...	...	...
12	1	The Manse	850	2·16	54·9	35·3	17
	2	The Bower	1,080	3·43	87·1	55·6	16
	3	Le Réduit (D. of A.) ...	1,000	3·73	94·6	56·1	23
	4	Alma	1,460	7·37	187·2	120·6	22
	5	Minissy §	1,150	...	...	...	...
	6	Bagatelle	1,250	5·34	135·6	64·0	21
	7	Highlands *	1,300	5·83	148·1	...	14
	8	Trianon §	950	...	...	...	...
	9	Salency	923	3·07	78·0	37·3	7
	10	Military Camp (1) ...	1,370	...	...	...	...
	11	La Ferme *	350	1·36	34·5	...	13
	12	Bon Air §	1,050	4·11	104·4	...	9
	13	Val Ory...	1,100	3·33	84·6	...	24
	14	Pieter Both Estate * ...	...	7·99	202·9	...	8
	15	Roslyn Cottage Estate §	...	...	...	...	...
	16	Agrément Estate * ...	...	5·74	145·8	...	13
	17	Circonstance Estate * ...	...	8·93	226·8	...	6
	18	Le Réduit Grounds * ...	...	3·80	96·5	...	16
	19	Stanley *	...	2·66	67·6	...	14
	20	Ebène §	...	3·08	78·2	...	11
	21	Mon Rêve §	...	3·28	83 3	...	11
	22	Béga §	...	1·80	45·7	...	7
	23	Bassin *...	...	1·69	42·9	...	8
	24	Hermitage *	...	7·19	182·6	...	17
	25	Côte d'Or §	...	...	...	...	...
	26	Mon Repos	...	1·37	34·8	...	5
13	1	Salines (R.B.) § ...	10	...	...	...	...
	2	The Albion Dock ...	18	1·20	30·5	19·3	4
	3	Line Barracks (1) ...	10	...	...	...	...

* Normals not available
† Parcelled out
† A station at Mare aux Vacoas Reservoir
(1) Discontinued temporarily.
‡ Casela
§ Record not received
4 a Bon Acceuil.
(2) Rain gauge out of order.

NEW SERIES (MONTHLY). VOL. II. PART 11. 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

NOVEMBER, 1916.

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

DIRECTOR.

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1916.

TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of NOVEMBER 1916.

Month and Day. 1916.	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. Date, 1916.	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.
	° ′			′			Nov.		h m	h m	h m	″	h m	h m	h m	″	
Nov. 1	9.49·8	·23209	·30633	6·4	20	19	11	1674	18. 8·5	...	18.22·6	...	18.10·0	18.20·6	18.32·1	...	
2	49·4	217	632	7·6	32	17	11	1675	19.58·2	...	20.10·4	...	19.54·3	20. 8·9	20.14·4	...	
3	50·5	212	636	8·4	120	22											
4	49·6	193	640	2·8	19	10											
5	49·7	178	638	9·4	57	19											
6	50·2	183	640	4·6	48	5											
7	49·7	179	638	6·4	44	5											
8	49·6	190	634	6·6	26	17											
9	50·2	194	634	8·2	26	16											
10	49·9	188	632	10·2	41	20											
11	50·2	194	632	12·2	41	19											
12	49·4	184	634	9·8	90	19											
13	50·3	194	635	7·8	51	18											
14	50·4	198	632	7·0	58	17											
15	49·7	197	632	10·2	33	18											
16	50·0	204	630	12·4	42	20											
17	50·2	200	629	10·0	20	14											
18	50·7	203	628	10·0	62	17											
19	50·2	198	630	8·0	31	10											
20	50·5	202	628	7·4	35	16											
21	50·7	202	629	3·6	34	11											
22	50·5	198	626	7·4	38	18											
23	50·4	195	628	6·2	48	14											
24	50·7	197	629	6·0	27	9											
25	50·4	201	624	10·0	39	23											
26	51·1	206	625	7·8	40	13											
27	50·6	218	621	10·0	40	24											
28	50·9	194	625	10·8	47	13											
29	50·3	191	621	12·4	51	29											
30	49·8	184	622	11·4	78	19											
Mean	9.50·19	·23197	·30631	8·37	44·9	16·4	...	...	...	...	...	...	...	...	...	...	...

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of NOVEMBER 1916.

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). A. M. Observations. Day and Hour.	Dip (South). A. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force. C. G. S. Units.	Dip (South). P. M. Observations. Day and Hour.	Dip (South). P. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force C.G.S. Units.
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
Nov. 22. 8.41	9.54·5	Nov. 22. 9.42	·23218	Nov. 22. 9. 8	52.51·7	·30639	Nov. 22. 13.54	52.51·7	·30627
13.31	9.47·7	12.50	·23174	25. 8.53	52.51·7	·30631	25. 13.22	52.48·5	·30604
25. 8.33	9.53·9	25. 9.36	·23232	...	...	...	28. 13.43	52.50·8	·30610
12.55	9.46·2	12.13	·23224						
30. 8.52	9.54·0	30. 9.39	·23197						
13.33	9.43·5	12.42	·23213						

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

NOVEMBER 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	50·1	50·1	50·3	50·3	48·7	50·1	50·9	50·1	50·3	50·1	50·1	50·1	50·5	50·1	50·1	50·3	Midnight
1h	50·1	50·1	50·3	50·1	50·5	50·1	48·9	50·3	50·5	50·3	50·1	50·1	51·7	50·1	50·3	50·1	1h
2	50·1	50·3	50·3	50·3	51·1	50·1	50·3	50·5	50·7	50·5	50·3	50·1	50·7	50·1	50·3	50·1	2
3	50·1	50·1	51·5	50·1	50·1	50·3	50·5	50·9	51·7	50·1	50·5	49·7	50·1	50·3	50·5	50·1	3
4	50·1	50·1	50·5	50·5	51·3	48·9	50·5	51·3	51·5	51·3	51·3	49·1	50·1	50·3	50·5	50·3	4
5	50·1	50·5	51·7	50·3	51·7	51·7	51·9	50·3	51·9	52·1	52·1	50·3	50·5	50·7	50·9	51·9	5
6	50·3	51·7	51·9	49·3	53·5	51·7	52·5	52·3	52·1	52·3	53·7	51·1	51·5	52·1	50·9	52·3	6
7	51·9	52·5	52·5	49·3	54·7	52·1	52·1	52·7	54·3	54·5	56·3	52·3	54·1	54·3	54·1	56·3	7
8	51·9	52·3	53·7	49·9	54·1	52·1	52·1	52·5	54·1	54·1	56·3	54·1	53·9	54·5	54·5	56·3	8
9	52·1	51·1	52·9	50·3	50·7	50·5	50·3	50·9	52·7	52·3	54·3	54·3	52·7	54·3	52·7	54·5	9
10	52·1	50·1	52·7	50·1	50·1	50·1	49·5	49·7	50·1	50·3	51·5	53·5	52·1	52·5	50·9	52·3	10
11	51·7	50·1	52·1	49·7	48·3	48·7	48·7	48·1	48·7	48·5	49·7	51·1	50·1	50·1	46·9	48·3	11
Noon	50·3	49·3	51·3	48·5	46·3	48·1	48·3	46·7	47·5	47·9	46·9	50·1	49·3	48·3	46·1	45·7	Noon
13h	47·5	46·7	48·3	47·9	45·5	47·5	46·3	46·1	46·5	45·3	45·5	46·1	46·7	47·7	44·3	43·9	13h
14	46·1	45·9	47·5	48·1	45·3	48·1	46·1	46·1	46·1	44·3	44·1	44·5	46·3	47·5	44·5	44·1	14
15	45·7	44·9	45·3	47·7	46·5	49·3	46·1	46·5	47·7	45·7	45·1	46·3	47·5	47·9	46·3	45·3	15
16	46·3	46·1	46·1	48·3	46·5	50·1	47·5	47·5	48·3	46·5	46·5	48·1	48·3	48·1	47·7	46·3	16
17	48·3	46·5	48·3	50·3	49·5	50·3	50·1	48·5	50·1	49·5	49·3	48·9	50·1	49·7	49·9	48·7	17
18	49·3	48·1	52·1	50·3	49·3	50·1	49·9	49·3	50·1	50·3	50·3	46·7	50·1	50·5	50·1	50·1	18
19	50·1	48·7	50·7	50·1	48·7	50·1	50·9	50·3	50·1	50·5	50·1	47·9	50·1	50·3	50·3	50·3	19
20	50·1	49·9	50·1	50·1	50·3	52·1	50·1	50·3	49·9	50·1	50·1	48·1	50·1	50·1	50·3	50·9	20
21	50·3	49·9	50·1	50·1	49·9	50·3	50·1	50·1	50·1	50·1	50·1	47·5	50·1	50·1	50·3	50·5	21
22	51·1	50·1	50·3	50·1	50·1	50·3	50·1	50·1	50·7	50·1	50·1	48·1	50·3	50·3	50·3	50·3	22
23	50·3	50·3	50·3	50·3	50·1	50·7	50·1	50·1	50·3	50·1	49·9	48·3	50·1	50·7	50·5	50·1	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean	Day. / Hour.
	9° +															
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	50·3	50·3	50·0	50·4	51·0	50·2	50·2	50·4	49·9	51·3	50·1	51·4	50·2	50·0	50·3	Midnight
1h	50·1	50·1	50·0	50·4	50·4	50·2	50·4	50·4	49·9	51·9	50·3	51·0	50·4	50·6	50·3	1h
2	50·1	50·1	49·8	50·2	50·0	50·2	50·6	50·2	50·1	51·9	50·9	51·2	50·0	51·2	50·4	2
3	50·1	50·7	49·0	50·2	50·2	50·0	51·4	50·0	50·5	50·5	51·7	51·8	50·8	50·8	50·5	3
4	50·5	50·3	50·6	50·4	50·0	50·0	51·4	50·2	50·9	52·1	52·7	53·6	51·2	50·0	50·7	4
5	51·5	51·5	51·6	51·4	50·0	50·2	51·8	51·6	51·5	53·1	51·1	53·6	51·8	51·6	51·4	5
6	52·1	52·3	52·0	52·0	51·0	51·6	52·0	52·0	53·1	53·9	51·9	55·6	52·0	51·8	52·1	6
7	55·3	55·1	53·8	55·2	52·2	54·6	53·2	53·8	55·9	55·1	53·3	56·0	53·0	51·0	53·7	7
8	55·9	56·3	54·2	54·8	53·6	55·0	52·6	54·0	55·5	55·1	55·5	54·8	53·6	51·8	54·0	8
9	54·9	56·1	53·4	54·0	53·4	54·0	52·0	52·6	52·7	54·9	54·7	53·8	55·8	54·0	53·1	9
10	52·3	54·7	52·0	52·6	52·0	53·4	51·4	52·0	51·1	53·9	52·3	53·8	56·0	54·2	52·0	10
11	50·1	52·1	49·6	49·8	50·2	50·8	49·0	50·2	48·3	51·9	50·1	50·6	54·4	52·2	50·0	11
Noon	48·3	49·9	48·0	48·2	50·0	49·4	48·0	49·6	47·3	50·1	48·3	48·4	51·0	49·8	48·4	Noon
13h	46·3	47·1	46·4	48·0	50·0	47·6	47·2	48·0	45·9	48·1	45·9	47·0	45·8	44·8	46·7	13h
14	46·1	46·3	46·2	48·2	50·0	48·2	47·0	48·2	46·1	47·3	45·5	45·2	43·8	43·8	46·2	14
15	45·9	46·3	46·8	47·8	50·2	48·2	48·0	50·0	47·5	47·9	47·1	45·6	43·6	42·8	46·7	15
16	46·3	47·5	48·0	48·2	50·0	48·2	49·6	50·6	48·3	48·1	48·1	47·0	44·6	43·8	47·6	16
17	48·1	49·3	49·8	49·6	50·2	49·4	50·2	51·6	49·9	49·7	50·3	49·2	47·4	47·8	49·3	17
18	49·7	49·9	50·0	49·6	50·2	50·0	50·2	51·6	50·7	49·9	50·1	49·8	48·8	49·8	49·9	18
19	50·1	50·1	50·0	49·8	50·0	50·0	50·2	50·4	50·1	50·1	49·9	50·4	50·0	51·0	50·0	19
20	50·1	50·1	50·0	50·0	50·0	50·0	50·2	50·0	50·1	49·9	49·9	50·2	51·0	49·8	50·1	20
21	50·1	50·7	50·4	50·0	51·4	50·0	50·2	50·0	50·5	50·1	50·3	50·2	50·6	50·4	50·2	21
22	50·1	50·5	51·6	50·0	50·2	50·0	50·4	50·2	50·9	50·1	51·9	50·6	51·0	51·2	50·4	22
23	50·3	50·7	52·0	51·2	50·4	50·2	51·8	50·2	51·1	50·1	51·5	50·8	51·6	51·4	50·5	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

NOVEMBER 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	206	207	210	184	192	187	169	183	185	190	188	192	205	190	193	202	Midnight
1h	206	206	206	192	179	191	185	184	186	189	189	194	211	191	193	200	1h
2	206	217	206	188	189	196	180	189	188	186	187	192	211	192	193	201	2
3	206	213	225	191	186	189	179	188	185	205	190	195	222	192	195	208	3
4	208	215	226	190	168	208	177	187	192	197	191	211	209	193	193	201	4
5	213	215	226	188	171	191	179	189	189	197	190	199	194	191	193	199	5
6	209	215	232	188	172	189	175	187	189	192	188	192	186	191	197	199	6
7	207	215	230	190	170	189	175	184	185	190	189	192	184	185	190	192	7
8	212	214	230	188	170	189	179	190	190	190	197	188	186	186	191	192	8
9	213	215	242	199	177	189	188	198	206	182	209	180	189	190	198	203	9
10	213	216	253	198	192	188	187	197	209	171	221	174	187	202	208	214	10
11	203	219	266	199	198	189	195	198	209	190	223	182	192	221	211	223	11
Noon	205	225	262	200	190	189	190	199	209	200	211	183	193	229	212	229	Noon
13h	212	232	255	203	208	188	189	206	209	201	201	174	211	232	202	221	13h
14	215	233	249	207	187	189	171	199	209	203	192	167	212	230	202	219	14
15	214	227	215	204	167	180	163	189	197	200	182	147	208	222	201	211	15
16	216	225	185	191	151	175	151	183	195	193	186	146	200	208	189	209	16
17	213	226	158	178	160	160	171	181	190	189	190	153	181	193	179	205	17
18	213	222	146	187	169	161	170	182	189	164	189	145	184	174	188	201	18
19	215	215	168	188	160	169	177	181	187	165	187	163	182	187	192	187	19
20	214	210	176	188	169	177	173	188	190	172	188	183	183	193	198	193	20
21	199	206	176	188	180	176	189	180	183	182	183	205	171	193	201	192	21
22	196	201	171	188	174	174	182	200	200	183	184	218	181	189	202	190	22
23	206	206	180	206	178	169	186	187	191	188	210	235	191	181	202	192	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).															
Midnight	212	204	202	209	201	195	203	185	195	195	218	200	192	197	196·4	Midnight
1h	203	204	203	195	194	197	204	188	195	205	208	206	195	197	196·5	1h
2	202	206	201	196	201	195	213	200	197	235	201	207	205	194	199·1	2
3	200	211	212	196	201	195	212	194	196	215	225	215	204	194	201·3	3
4	200	211	194	197	202	204	210	194	195	207	233	206	196	198	200·4	4
5	193	211	196	195	195	203	204	194	196	211	231	204	194	196	198·2	5
6	193	211	203	194	194	195	196	194	198	214	235	205	196	196	197·5	6
7	193	209	203	193	191	195	202	195	205	212	222	208	197	194	196·2	7
8	193	216	203	198	189	195	207	193	204	211	214	195	196	192	196·6	8
9	202	225	204	208	195	201	210	194	197	208	224	168	196	188	199·9	9
10	200	230	206	213	202	213	213	209	208	205	224	178	197	202	204·3	10
11	202	230	212	225	216	223	214	212	216	196	230	196	194	216	210·0	11
Noon	203	230	211	224	223	206	213	211	223	197	229	197	202	212	210·2	Noon
13h	202	202	206	221	223	188	202	210	222	205	234	196	208	216	209·3	13h
14	200	201	197	210	214	195	194	208	220	215	231	195	209	215	206·3	14
15	194	173	188	190	204	185	187	201	214	196	207	189	198	209	195·4	15
16	192	168	192	194	201	188	182	197	206	197	207	188	185	178	189·3	16
17	193	183	193	195	203	191	175	195	194	196	207	187	168	160	185·6	17
18	194	188	185	196	204	191	171	194	193	204	215	185	158	139	183·4	18
19	202	190	193	201	204	193	166	193	193	205	215	187	160	138	185·4	19
20	202	191	194	202	201	195	166	192	184	196	206	187	177	141	187·6	20
21	207	192	192	202	194	195	175	191	186	195	195	187	185	146	188·2	21
22	205	193	185	202	197	197	182	189	195	205	215	187	182	150	190·6	22
23	209	201	181	201	196	203	183	194	197	214	209	189	184	160	195·0	23

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

NOVEMBER 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	637	637	637	640	638	638	639	637	635	634	635	634	642	635	633	633	Midnight
1h	637	637	637	640	640	639	637	637	635	634	634	634	640	635	635	633	1h
2	637	637	638	640	641	638	639	637	636	635	634	633	639	635	635	633	2
3	638	637	637	639	641	639	640	638	636	634	634	633	637	635	633	634	3
4	637	637	637	641	643	638	640	639	636	636	635	633	637	634	634	633	4
5	637	637	637	640	643	641	641	639	637	637	635	635	638	635	635	635	5
6	637	637	637	639	643	641	641	641	639	638	638	635	640	637	635	635	6
7	639	637	637	640	644	640	639	640	642	640	642	639	643	640	638	639	7
8	639	634	635	641	641	639	638	639	643	637	640	642	644	637	638	638	8
9	639	633	634	641	639	639	637	636	638	633	637	643	642	635	633	633	9
10	636	629	632	642	636	643	636	631	633	631	630	638	640	631	626	627	10
11	633	631	630	640	634	643	638	631	631	627	625	637	635	625	620	622	11
Noon	628	631	627	638	626	641	637	629	639	623	623	632	633	624	620	619	Noon
13h	623	626	626	636	625	638	637	625	628	620	624	628	627	623	620	619	13h
14	620	622	625	639	629	641	638	624	627	620	623	624	626	624	625	621	14
15	622	620	628	644	633	643	639	626	628	621	624	628	627	625	629	624	15
16	625	623	635	646	638	643	639	629	630	624	629	631	629	626	632	627	16
17	629	626	639	646	641	643	640	632	633	629	631	631	631	629	636	630	17
18	630	630	647	641	638	641	639	633	633	632	633	630	632	632	635	631	18
19	632	631	642	639	639	640	638	635	633	633	632	635	631	632	633	631	19
20	633	633	639	638	640	643	638	635	633	634	633	635	633	632	632	633	20
21	634	633	639	639	638	638	638	636	635	634	634	635	633	633	632	632	21
22	637	636	640	639	639	639	637	636	636	635	635	637	636	633	633	633	22
23	637	636	640	640	636	639	637	635	635	635	636	636	635	635	633	632	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
	·30000 + (C.G.S. UNIT).															
Midnight	632	630	630	630	630	628	627	629	626	628	625	625	625	624	632·4	Midnight
1h	631	631	630	630	630	628	627	629	626	627	624	625	625	624	632·4	1h
2	631	631	630	631	630	629	628	629	627	628	624	624	623	623	632·5	2
3	632	631	630	631	630	629	629	629	627	625	623	625	625	623	632·5	3
4	632	631	632	632	630	629	629	629	628	628	624	626	625	622	632·9	4
5	632	632	632	632	632	630	629	631	628	628	624	625	625	623	633·5	5
6	634	632	633	634	632	632	631	632	632	628	625	627	627	622	634·5	6
7	636	634	635	636	634	636	634	634	634	630	627	629	627	621	636·2	7
8	636	634	635	633	634	635	632	633	630	631	629	629	629	623	635·6	8
9	634	631	632	629	634	631	630	631	626	632	628	627	628	626	633·7	9
10	629	629	630	626	631	626	627	629	621	630	620	627	627	626	630·6	10
11	626	625	628	622	627	622	624	629	617	626	613	623	619	621	627·5	11
Noon	623	619	626	621	626	618	621	628	613	623	607	617	607	615	624·1	Noon
13h	623	617	625	620	625	618	620	625	612	621	605	616	600	611	622·1	13h
14	622	618	625	621	623	620	622	626	611	619	609	618	600	609	622·4	14
15	623	620	625	623	624	620	624	629	614	621	615	622	603	610	624·5	15
16	626	624	626	626	625	620	627	629	619	622	620	626	613	616	627·5	16
17	627	626	628	628	628	623	628	629	623	622	622	628	618	626	630·1	17
18	628	626	630	628	628	625	629	629	626	622	622	627	623	628	630·9	18
19	628	627	629	628	627	626	629	628	624	623	620	626	625	627	630·8	19
20	628	628	629	628	627	626	629	628	625	623	622	625	625	626	631·1	20
21	630	629	630	628	629	627	630	629	628	626	623	625	624	627	631·6	21
22	630	630	631	629	629	627	630	629	626	625	626	625	624	628	632·3	22
23	630	630	632	630	628	627	631	629	628	626	624	626	627	628	632·4	23

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) Highest.	Lowest.	Range.	Mean.	Excess above Average.	Temperature of Evaporation.	Temperature of the Dew Point. (Centigrade). Mean.	Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
Nov. 1	1008·6	− 2·0	27·1	13·9	13·2	21·7	−1·4	17·6	14·4	− 2·6	63	− 6	16·3	10·6	0·0	..	5·5	2·8
2	1008·1	− 2·4	28·0	16·0	12·0	22·0	−1·1	18·5	15·9	− 1·1	68	− 1	17·9	12·6	0·0	...	5·5	4·1
3	1008·8	− 1·6	27·5	18·3	9·2	22·7	−0·5	19·1	16·4	− 0·7	68	− 1	18·5	13·8	0·0	...	6·6	3·3
4	1010·1	− 0·2	27·3	17·9	9·4	22·6	−0·6	18·6	15·5	− 1·6	64	− 5	17·4	14·1	0·0	...	6·0	3·8
5	1009·8	− 0·5	27·3	19·9	7·4	23·0	−0·3	19·9	17·6	+ 0·4	72	+ 3	19·9	17·1	0·2	5	5·2	7·2
6	1008·7	− 1·5	28·0	20·6	7·4	23·8	+0·5	20·8	18·6	+ 1·4	73	+ 4	21·2	17·7	0·0	...	7·1	7·7
7	1008·2	− 1·9	27·1	19·8	7·3	23·9	+0·5	21·0	18·9	+ 1·6	73	+ 4	21·6	18·0	1·6	20	5·3	6·7
8	1008·2	− 1·9	27·5	20·8	6·7	23·7	+0·3	21·2	19·4	+ 2·1	77	+ 9	22·3	18·9	2·6	45	4·6	7·5
9	1009·6	− 0·4	28·2	21·3	6·9	24·2	+0·7	21·1	18·9	+ 1·5	72	+ 4	21·6	19·3	0·0	...	5·5	5·4
10	1010·4	+ 0·4	27·5	20·1	7·4	22·8	−0·8	20·3	18·5	+ 1·1	77	+ 9	21·1	17·1	2·3	55	5·3	6·1
11	1010·0	+ 0·1	27·2	20·1	7·1	23·4	−0·2	20·0	17·5	0·0	70	+ 2	19·8	17·4	0·8	10	6·3	6·9
12	1009·2	− 0·6	27·0	20·8	6·2	23·3	−0·4	20·3	18·1	+ 0·6	73	+ 5	20·6	17·4	0·3	5	5·5	7·6
13	1009·7	− 0·1	27·7	20·2	7·5	23·5	−0·2	20·5	18·3	+ 0·7	72	+ 4	20·8	18·0	2·2	20	6·5	5·7
14	1011·3	+ 1·6	28·5	19·4	9·1	23·4	−0·4	19·8	17·1	− 0·5	68	0	19·3	15·4	0·0	...	7·2	3·8
15	1011·4	+ 1·7	26·6	19·7	6·9	22·6	−1·2	19·9	17·9	+ 0·2	75	+ 7	20·3	15·4	2·9	45	5·4	7·7
16	1010·2	+ 0·6	27·5	18·3	9·2	22·8	−1·1	19·4	16·9	− 0·8	69	0	19·0	14·1	0·2	5	6·2	7·1
17	1009·5	0·0	27·0	19·6	7·4	23·1	−0·8	19·2	16·3	− 1·5	66	− 3	18·4	16·9	0·0	...	5·5	5·6
18	1010·5	+ 1·0	27·8	18·3	9·5	23·2	−0·8	19·3	16·4	− 1·5	66	− 3	18·5	14·8	0·3	10	7·4	5·2
19	1012·0	+ 2·6	27·1	20·3	6·8	23·4	−0·7	20·3	18·0	+ 0·1	72	+ 3	20·4	15·8	4·2	55	6·4	5·4
20	1012·1	+ 2·8	27·7	19·8	7·9	23·4	−0·7	20·1	17·7	− 0·3	71	+ 2	20·1	15·4	0·2	5	7·1	4·5
21	1011·4	+ 2·1	28·0	17·8	10·2	22·7	−1·5	18·8	15·9	− 2·1	66	− 3	17·9	14·5	0·0	...	7·5	4·2
22	1009·6	+ 0·4	28·1	16·9	11·1	22·7	−1·6	18·8	15·9	− 2·2	66	− 3	17·9	13·1	0·0	...	7·0	3·1
23	1007·8	− 1·3	28·5	19·7	8·8	23·7	−0·6	20·1	17·4	− 0·8	68	− 1	19·7	15·7	0·0	...	5·1	6·1
24	1006·2	− 2·8	27·7	17·9	9·8	22·7	−1·7	19·7	17·4	− 0·9	72	+ 3	19·7	14·7	0·8	10	4·5	4·8
25	1006·2	− 2·8	28·3	19·7	8·6	23·6	−0·8	20·1	17·5	− 0·8	69	0	19·8	16·4	0·1	5	6·4	6·1
26	1007·2	− 1·7	28·1	19·6	8·5	23·6	−0·9	20·0	17·3	− 1·1	68	− 1	19·6	16·3	0·8	25	7·4	4·8
27	1007·8	− 1·1	28·3	20·1	8·2	24·0	−0·6	20·6	18·2	− 0·3	70	+ 1	20·7	16·8	0·3	10	7·3	5·0
28	1008·8	0·0	28·3	20·7	7·6	24·3	−0·3	20·8	18·3	− 0·3	69	− 1	20·8	17·0	0·0	...	7·8	4·7
29	1008·5	− 0·2	29·4	20·1	9·3	24·2	−0·5	20·3	17·5	− 1·2	66	− 4	19·8	16·9	0·0	...	6·6	3·5
30	1009·1	+ 0·5	27·2	18·9	8·3	22·7	−2·0	20·6	19·0	+ 0·2	80	+10	21·8	15·1	14·1	100	2·6	5·2
Mean	1009·3	− 0·3	27·7	19·2	8·5	23·2	−0·7	19·9	17·4	− 0·4	70·1	+1·3	19·8	15·9	Sum 33·9	Sum 430	6·1	5·4
Average	1009·6	...	28·7	19·6	9·1	23·9	...	20·3	17·8	...	68·8	...	20·2	16·5	40·2	744	6·7	4·9
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 November.

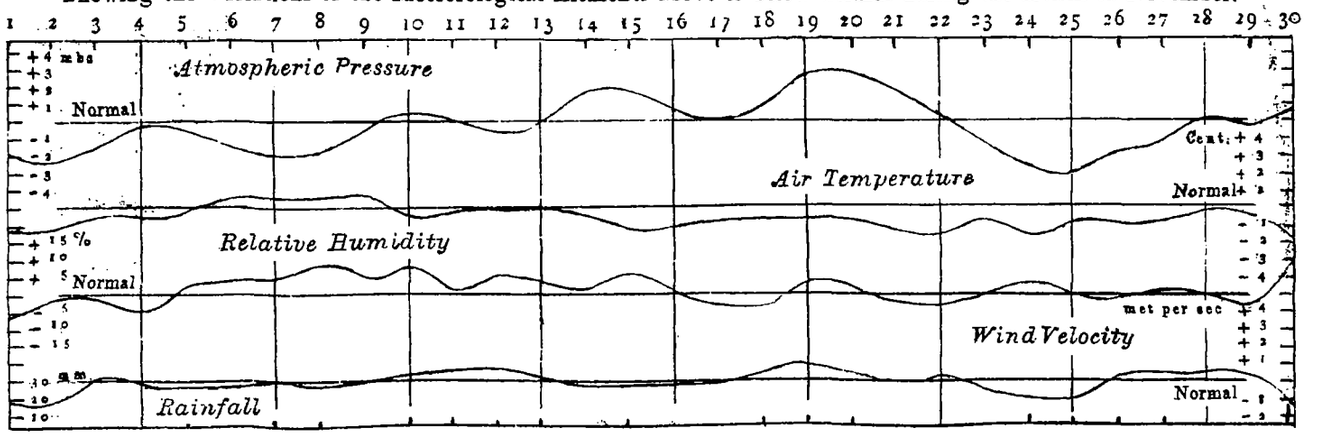

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1916.

Month and Day. 1916.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. 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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
Nov. 1	12·1	95	+ 0·3	+ 1·9	99	1·9	+ 18	− 0·8	2·3	− 1·2	24·4	24·1	24·76	24·58	24·70	b. : f.
2	9·7	76	− 0·4	+ 1·2	72	1·3	− 10	− 1·4	2·4	− 1·1	24·4	24·1	25·23	25·12	25·53	b. : f.
3	11·6	91	0·0	+ 3·4	90	3·4	+ 8	+ 0·7	3·6	+ 0·1	24·5	24·2	25·47	25·33	25·59	b. : f.
4	10·6	83	0·0	+ 3·2	90	3·2	+ 8	+ 0·5	3·3	− 0·2	24·5	24·2	25·67	25·50	25·67	b. : f. : c. : f.
5	3·4	26	− 0·5	+ 3·2	81	3·2	− 1	+ 0·5	3·3	− 0·2	24·5	24·2	25·77	25·58	25·82	f. : c.g. : f.
6	11·2	87	+ 0·4	+ 3·1	97	3·1	+ 14	+ 0·4	3·4	− 0·1	24·5	24·3	25·86	25·78	26·31	c.g. : c. : c.g
7	11·1	86	+ 0·9	+ 3·3	105	3·4	+ 22	+ 0·7	3·4	0·0	24·5	24·4	26·15	26·11	26·44	cgp: c. : f.
8	5·6	43	+ 1·3	+ 2·7	116	3·0	+ 33	+ 0·3	3·1	− 0·3	24·6	24·3	26·10	26·00	26·02	c.g.p. : c. : f.
9	10·8	84	+ 1·3	+ 3·0	113	3·2	+ 30	+ 0·5	3·4	0·0	24·6	24·5	25·99	25·91	26·17	f. : c.g: f. : c. : f.
10	7·5	58	+ 0·7	+ 3·4	102	3·4	+ 18	+ 0·8	3·6	+ 0·2	24·5	24·4	25·99	25·80	25·82	f. : c.p. : cgp: f.
11	7·5	58	+ 0·6	+ 3·9	99	3·9	+ 15	+ 1·3	4·0	+ 0·6	24·5	24·3	25·75	25·55	25·60	f. : c. : f. : cg.
12	5·0	38	+ 1·0	+ 3·7	105	3·8	+ 21	+ 1·2	3·9	+ 0·5	24·6	24·6	25·85	25·61	25·65	c.g.p. : c.q. : c.g. : c.p.
13	10·3	79	+ 1·0	+ 3·2	107	3·4	+ 23	+ 0·8	3·4	0·0	24·6	24·4	25·82	25·71	25·98	o.g.p. : c. : f. : b.
14	11·5	88	+ 0·5	+ 2·7	101	2·7	+ 17	+ 0·1	2·9	− 0·5	24·5	24·5	25·97	25·84	26·12	f.
15	2·0	15	− 0·2	+ 2·9	86	2·9	+ 1	+ 0·3	3·0	− 0·4	24·6	24·6	26·07	25·84	25·67	f. : c.p: c.g.p. : c.g.
16	6·1	47	+ 0·9	+ 2·8	108	3·0	+ 23	+ 0·4	3·1	− 0·3	24·5	24·6	25·66	25·28	25·02	f. : c.p: c: :cqp: o.g.d.
17	9·8	75	− 0·5	+ 3·2	81	3·2	− 4	+ 0·6	3·3	− 0·1	24·6	24·6	25·68	25·40	25·37	o.g. : c. : f.
18	11·0	84	− 0·3	+ 3·8	85	3·8	0	+ 1·2	3·9	+ 0·5	24·6	24·6	25·70	25·45	25·64	c. : f. :cp.
19	8·8	67	− 0·4	+ 4·0	84	4·0	− 1	+ 1·4	4·2	+ 0·8	24·6	24·7	25·95	25·68	25·64	f. : c.p:cgq: c. : f.
20	11·1	85	+ 0·2	+ 3·3	93	3·3	+ 8	+ 0·7	3·4	0·0	24·6	24·7	25·79	25·69	25·82	f. : c.p. f.
21	10·5	80	− 0·8	+ 2·9	75	3·0	− 11	+ 0·4	3·1	− 0·3	24·6	24·7	26·09	25·86	26·02	f. : c. : f. : b.
22	10·5	80	− 0·4	+ 3·2	83	3·2	− 3	+ 0·6	3·5	+ 0·1	24·7	24·7	25·98	25·79	26·00	b. : f.
23	6·6	50	+ 0·6	+ 2·2	105	2·3	+ 19	− 0·3	2·6	− 0·8	24·6	24·7	26·35	26·22	26·65	f. : c.
24	5·8	44	− 0·3	+ 1·5	79	1·5	− 7	− 1·1	2·3	− 1·1	24·6	24·7	26·41	26·08	26·04	b. : f. : c.p: c.g. : f.
25	7·8	60	0·0	+ 2·0	90	2·0	+ 4	− 0·6	2·2	− 1·2	24·6	24·8	26·16	25·94	26·31	f. : c. : f.
26	11·3	86	− 0·5	+ 3·4	82	3·4	− 4	+ 0·8	3·5	+ 0·1	24·5	24·7	26·51	26·44	26·79	c.p. : f.
27	11·1	84	− 0·5	+ 3·5	82	3·5	− 5	+ 0·9	3·7	+ 0·3	24·6	24·9	26·76	26·59	27·01	f. : c.q. : f.q. : cp.
28	11·5	87	− 1·1	+ 3·5	73	3·6	− 14	+ 1·0	3·8	+ 0·4	24·6	24·8	26·88	26·84	27·16	f. :c.p.: f.q. : f.
29	10·7	81	− 1·8	+ 3·1	60	3·6	− 27	+ 1·0	3·7	+ 0·3	24·6	24·9	27·06	26·94	27·31	f. : b.
30	3·4	26	− 0·6	+ 0·6	45	0·8	− 42	− 1·8	1·9	− 1·5	24·6	24·9	26·91	26·54	26·18	b. : f. : c.g. :ogr: c. : f.
Mean -	8·86	68·1	+ 0·05	+ 2·93	90·9	2·93	+ 6·3	+0·29	3·24	−0·18	24·56	24·54	26·01	25·83	26·00	...
Average	8·79	67·5	− 0·25	+ 2·63	84·6	2·64	...	...	3·42	...	24·42	24·84	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

The weather of the month was controlled by the passage of a series of shallow highs and lows—the interval between successive maxima being about 5 days—superposed on a steady increase of pressure up to the 20th. The month closed with conditions characteristic of a southern V shaped depression.

Temperature was above normal on 4 days and 0°·7 (Cent) below in the mean for the month.

Relative Humidity was above normal by 1·3% in the mean.

Although the mean amount of cloud was slightly in excess of the normal, the percentage of possible sunshine was also slightly above and rainfall throughout the Island decidedly below. The conditions were generally favourable for the ripening crops, but have occurred too late to compensate for the adverse conditions of the three previous months.

The highest dew point temperature was 21°·6 at 14^h on the 30th ; and the lowest 12°·3 at 4^h on the 1st.

The highest relative humidity was 92·3 % at 2^h on the 13th ; and the lowest 43·1 % at 13^h on the 29th.

Rainfall at the Observatory was 16 % below normal. The percentage variation from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	47 % below
Eastern Districts	,, ,, 2, 3, 4.	51 % below
South-Eastern Districts	,, ,, 5 & 6	53 % below
Western Districts	River System 11	63 % below
	,, ,, 12	9 % below
	,, ,, 13	81 % below

(December 15, 1916)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is 181 feet above mean sea-level.)

NOVEMBER 1916.

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	0101	0085	0092	0100	0110	0095	0091	0086	0094	0103	0109	0104	0100	0110	0120	0108	Midnight
1h	0097	0083	0085	0095	0104	0091	0085	0078	0086	0100	0101	0097	0096	0107	0115	0105	1h
2	0094	0077	0082	0094	0102	0088	0084	0074	0085	0097	0098	0094	0093	0108	0114	0101	2
3	0094	0077	0083	0091	0097	0087	0075	0073	0084	0096	0095	0087	0090	0108	0111	0097	3
4	0094	0077	0083	0091	0096	0088	0075	0072	0084	0096	0095	0086	0088	0109	0111	0098	4
5	0096	0079	0086	0095	0098	0089	0084	0076	0086	0100	0097	0090	0088	0109	0115	0101	5
6	0097	0085	0091	0097	0103	0093	0082	0081	0090	0105	0103	0095	0094	0114	0123	0105	8
7	0098	0092	0096	0103	0106	0095	0086	0088	0096	0111	0106	0097	0099	0118	0126	0108	7
8	0098	0091	0095	0107	0108	0097	0092	0092	0100	0116	0110	0099	0103	0123	0127	0110	8
9	0097	0089	0096	0107	0110	0097	0094	0095	0105	0117	0110	0101	0104	0124	0127	0113	9
10	0096	0091	0095	0106	0109	0097	0094	0095	0105	0117	0108	0102	0103	0125	0126	0110	10
11	0093	0086	0088	0105	0104	0090	0088	0088	0098	0116	0107	0097	0100	0118	0119	0107	11
Noon	0087	0078	0085	0099	0097	0087	0086	0086	0097	0109	0101	0095	0096	0116	0117	0104	Noon
13h	0075	0069	0077	0094	0089	0079	0075	0076	0095	0103	0095	0086	0091	0107	0111	0097	13h
14	0068	0066	0073	0089	0087	0073	0071	0072	0090	0095	0092	0082	0085	0103	0105	0094	14
15	0064	0063	0073	0088	0085	0070	0068	0067	0087	0095	0086	0076	0085	0100	0101	0089	15
16	0064	0065	0073	0089	0084	0068	0066	0066	0088	0093	0085	0075	0085	0100	0099	0087	16
17	0068	0066	0076	0095	0084	0072	0067	0068	0093	0092	0087	0076	0087	0103	0101	0089	17
18	0072	0072	0086	0101	0091	0076	0070	0075	0096	0095	0093	0082	0091	0104	0104	0095	18
19	0077	0083	0090	0107	0097	0085	0076	0084	0103	0099	0097	0088	0097	0112	0106	0101	19
20	0085	0090	0097	0114	0104	0088	0085	0086	0106	0105	0102	0094	0102	0117	0111	0105	20
21	0087	0095	0104	0116	0105	0089	0089	0094	0107	0108	0105	0099	0111	0124	0115	0106	21
22	0088	0096	0105	0116	0104	0092	0091	0096	0109	0114	0109	0105	0115	0125	0117	0106	22
23	0087	0096	0104	0115	0098	0095	0091	0096	0107	0115	0108	0103	0114	0124	0112	0106	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	Mean.	Day. / Hour.
Midnight	0102	0103	0114	0125	0120	0112	0093	0074	0063	0072	0081	0093	0088	0092	0098	Midnight
1h	0093	0100	0112	0123	0118	0103	0085	0067	0059	0067	0074	0090	0084	0087	0093	1h
2	0092	0097	0109	0119	0114	0099	0082	0063	0057	0062	0070	0086	0079	0084	0090	2
3	0089	0095	0109	0117	0113	0097	0076	0062	0053	0061	0067	0084	0077	0083	0088	3
4	0088	0096	0110	0117	0113	0097	0074	0061	0053	0060	0066	0083	0078	0083	0087	4
5	0091	0098	0112	0121	0115	0101	0082	0064	0056	0063	0070	0087	0082	0084	0090	5
6	0094	0103	0117	0125	0124	0104	0083	0065	0064	0068	0077	0089	0085	0088	0095	6
7	0095	0111	0124	0132	0125	0106	0086	0068	0066	0075	0082	0094	0087	0091	0099	7
8	0102	0112	0125	0134	0127	0106	0087	0068	0074	0080	0084	0096	0090	0095	0102	8
9	0102	0114	0126	0136	0125	0105	0088	0069	0072	0081	0084	0096	0091	0095	0102	9
10	0100	0112	0125	0136	0120	0104	0087	0068	0068	0080	0084	0096	0091	0095	0101	10
11	0097	0107	0125	0132	0120	0097	0085	0066	0065	0074	0079	0094	0090	0092	0097	11
Noon	0094	0103	0121	0124	0112	0094	0075	0061	0062	0071	0076	0088	0088	0090	0093	Noon
13h	0087	0097	0116	0114	0105	0088	0068	0054	0056	0066	0072	0084	0083	0086	0086	13h
14	0085	0096	0115	0108	0101	0082	0064	0053	0051	0063	0068	0082	0077	0085	0083	14
15	0083	0095	0111	0104	0095	0078	0061	0050	0049	0061	0066	0078	0073	0084	0079	15
16	0083	0096	0110	0103	0095	0079	0062	0049	0050	0060	0065	0075	0074	0084	0079	16
17	0085	0097	0114	0105	0099	0084	0065	0051	0052	0064	0067	0078	0075	0085	0082	17
18	0092	0104	0116	0109	0103	0085	0073	0055	0059	0070	0074	0084	0082	0089	0087	18
19	0095	0108	0124	0115	0113	0092	0078	0063	0065	0075	0084	0088	0089	0094	0093	19
20	0103	0113	0131	0120	0116	0095	0083	0066	0070	0084	0089	0091	0092	0100	0098	20
21	0105	0116	0134	0124	0119	0101	0084	0068	0074	0087	0094	0095	0094	0102	0102	21
22	0108	0121	0136	0129	0124	0101	0084	0071	0076	0090	0095	0095	0096	0104	0104	22
23	0106	0121	0134	0124	0119	0099	0081	0070	0076	0088	0096	0094	0095	0102	0102	23

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

Hour. \ Day.	NOVEMBER 1916.																														
	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	0	1	0	1	0	10	9	5	3	2	5	6	10	4	5	3	10	2	4	1	8	1	4	2	1	5	9	1	0	0	3·7
1h	0	2	2	1	5	4	10	8	5	9	5	7	10	2	5	3	10	6	3	1	3	0	2	0	3	4	4	0	0	0	3·8
2	1	1	0	2	7	10	10	8	6	3	7	8	10	3	4	4	10	9	4	6	2	1	4	0	10	5	2	4	2	0	4·8
3	0	2	3	0	7	10	7	10	9	3	4	8	8	8	1	3	10	10	4	5	1	2	1	0	6	8	3	3	3	0	4·6
4	0	3	3	1	6	9	7	10	9	10	5	7	9	6	4	3	9	8	4	7	2	3	2	1	6	5	5	3	4	0	5·0
5	2	0	3	1	7	9	7	10	10	8	8	8	10	5	9	4	9	9	3	6	2	3	3	1	5	4	6	4	3	1	5·3
6	2	1	5	1	9	6	6	9	5	6	6	7	10	3	10	7	5	7	2	7	2	3	6	3	5	4	6	8	4	2	5·2
7	2	2	4	1	9	8	7	9	4	7	8	7	10	4	9	7	4	6	3	6	3	4	7	4	3	5	6	4	4	4	5·4
8	1	5	3	4	8	8	7	9	4	8	8	7	7	6	9	4	7	5	4	6	7	5	8	4	4	5	5	7	5	6	5·9
9	3	5	5	3	9	7	4	9	7	10	10	7	8	6	9	7	7	3	7	5	8	5	8	7	8	8	3	8	6	9	6·7
10	4	4	4	6	8	8	6	8	8	10	8	6	9	6	9	7	8	5	8	6	6	4	6	7	6	8	7	7	6	9	6·8
11	4	4	4	5	8	7	7	8	7	9	7	8	7	4	9	9	8	5	8	4	7	3	5	9	8	6	7	7	6	9	6·6
Noon	2	5	2	5	8	8	5	8	6	8	7	7	6	5	10	9	9	6	10	4	7	3	5	8	8	5	7	5	5	9	6·4
13h	3	6	3	4	8	7	6	9	5	8	8	8	5	5	10	9	7	5	9	4	8	4	6	8	7	6	8	5	7	9	6·6
14	2	6	4	5	8	8	6	8	5	6	7	9	5	5	8	9	5	4	8	4	7	4	5	9	5	6	5	6	5	10	6·1
15	2	8	5	5	9	4	5	7	5	9	7	10	4	4	9	8	4	3	9	4	5	4	8	10	3	4	5	6	4	10	6·0
16	3	7	4	5	8	6	6	8	5	6	7	8	5	3	9	8	3	3	8	4	5	5	8	10	7	9	5	5	5	10	6·2
17	4	5	4	5	8	5	6	7	4	4	7	6	3	2	9	9	2	3	7	5	5	4	8	9	8	5	6	6	4	9	5·6
18	6	5	3	8	8	8	5	4	7	5	5	8	2	0	10	10	2	2	6	4	6	5	9	6	9	3	4	6	4	8	5·6
19	4	6	3	8	7	7	7	5	4	5	5	10	1	1	10	9	1	3	4	3	4	3	10	9	8	2	3	6	3	9	5·3
20	8	8	2	8	7	8	8	4	3	3	7	10	0	2	10	8	1	3	3	1	5	2	10	2	7	2	4	6	2	5	5·0
21	8	6	5	4	7	8	7	10	3	3	8	6	0	1	6	9	1	3	5	4	2	2	9	0	8	1	7	5	2	3	4·8
22	2	3	5	5	2	10	7	5	2	3	8	7	0	3	6	7	3	5	4	3	0	3	8	4	5	1	3	1	1	2	3·9
23	3	5	2	3	5	10	8	3	4	0	7	6	0	3	7	10	4	8	3	5	0	1	5	2	4	3	4	1	0	1	3·9

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

Hour* Ending. \ Day.	NOVEMBER 1916.																														
	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	5	6	0	6	0	3	0	0	2	0	0	0	0	0	0	0	10	0	0	0	12	0	0	16	3	0	3	0	14	10	1·5
7	59	60	59	60	1	60	35	15	45	35	0	5	4	30	1	1	60	24	30	32	53	17	19	60	60	40	60	52	60	60	18·3
8	60	60	60	60	13	54	57	11	60	30	0	43	20	59	10	50	40	49	60	60	60	58	53	53	36	60	43	49	60	59	23·1
9	60	60	60	60	29	60	59	10	60	31	7	60	60	60	13	60	53	47	60	60	59	60	48	58	0	58	58	60	60	24	24·2
10	60	60	60	60	58	60	60	14	30	25	36	53	60	60	3	60	45	60	60	60	59	60	30	41	56	45	60	60	58	15	24·5
11	60	60	60	60	7	60	58	59	44	57	60	42	60	60	7	60	3	60	43	60	32	60	60	46	55	60	47	60	60	6	24·4
Noon	60	60	60	60	8	60	47	59	60	26	58	46	59	60	27	11	16	60	30	60	40	60	55	32	28	60	32	60	60	0	22·6
13h	60	60	60	60	31	55	59	24	60	50	47	17	60	60	3	10	55	60	9	60	43	60	35	20	36	60	59	55	60	23	22·5
14	60	29	60	60	30	60	60	10	60	58	60	12	60	60	12	15	59	60	59	60	58	60	60	0	60	60	59	55	60	8	23·8
15	60	58	60	57	16	53	60	42	60	35	60	1	60	60	44	30	55	60	50	60	60	60	34	0	59	60	60	60	60	0	23·9
16	60	1	55	55	7	60	60	57	60	8	60	14	60	60	0	28	60	60	35	60	60	60	0	0	43	60	60	58	54	0	20·9
17	60	57	60	36	2	60	59	33	59	58	25	0	55	60	1	42	60	60	42	60	60	54	0	9	32	60	60	59	30	0	20·9
18	60	11	40	5	0	28	50	0	48	40	35	10	60	60	0	2	60	60	50	33	35	23	0	11	1	53	60	60	5	0	15·0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	10	0	0	0	0	0	0	0	0	0	5	2	0	0	0·3

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 265·9 hours; the corresponding period during which the sun was above the horizon was 390·3 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

NOVEMBER 1916.

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	17·1	15·6	17·8	16·5	19·9	18·4	20·1	18·7	20·8	19·1	21·5	19·7	21·8	20·6	22·7	20·6
1h	16·4	14·7	17·1	15·9	19·0	17·6	19·3	18·0	20·9	19·2	20·7	19·6	21·8	20·6	21·5	20·4
2	16·1	14·6	16·7	15·4	18·8	17·5	19·4	18·0	21·1	19·6	20·9	19·6	21·4	20·6	21·2	20·1
3	15·0	13·7	16·6	15·3	18·5	17·0	18·8	17·6	20·2	18·9	20·8	19·5	21·5	20·5	20·8	19·6
4	14·8	13·5	16·5	15·3	18·3	16·7	18·4	17·0	20·1	18·9	20·8	19·6	21·0	20·1	20·8	19·6
5	14·8	13·6	16·1	15·1	18·3	16·7	18·0	16·9	20·0	18·8	20·7	19·6	20·8	19·8	20·8	19·6
6	16·0	14·5	16·6	15·6	19·9	18·2	19·0	17·5	20·9	19·5	21·4	19·7	21·3	19·9	21·7	20·6
7	21·6	17·5	21·6	19·5	23·1	19·6	22·9	19·5	22·6	20·5	23·6	21·3	23·6	21·4	23·2	21·5
8	23·5	17·4	23·9	19·6	24·3	20·0	24·5	19·9	24·4	20·1	24·9	21·5	25·0	21·5	23·6	21·3
9	25·0	18·2	25·3	19·5	25·9	20·1	25·2	20·5	26·0	20·2	26·0	21·7	26·0	21·7	25·0	21·7
10	25·2	18·5	26·4	20·1	26·0	20·4	25·2	19·8	26·0	20·5	26·4	21·7	26·4	21·7	26·0	21·6
11	25·4	19·0	27·0	20·7	26·4	20·5	26·0	19·5	26·0	20·5	27·2	21·5	26·0	21·5	26·5	22·2
Noon	26·0	19·0	27·0	20·6	26·5	20·0	27·0	18·8	26·1	21·0	27·2	21·8	27·0	21·7	27·1	22·7
13h	26·2	19·5	27·8	20·5	27·0	21·1	26·6	19·2	26·3	21·7	27·2	22·2	26·7	21·6	25·6	21·7
14	27·0	19·7	26·0	19·2	26·9	20·5	27·0	19·4	26·2	21·1	27·0	21·8	27·1	21·7	25·4	21·9
15	26·9	19·9	26·0	20·4	26·1	20·4	26·0	19·3	25·8	20·7	27·0	21·7	27·0	21·5	27·1	21·9
16	27·1	20·1	25·0	20·4	25·1	20·2	25·9	18·6	25·0	20·6	25·9	21·4	26·0	21·4	26·1	21·4
17	25·6	19·5	25·0	20·5	24·8	20·0	24·5	18·5	24·0	19·8	25·0	21·1	25·0	21·4	25·5	21·4
18	24·3	19·6	23·6	19·5	23·4	19·4	23·2	17·6	23·1	20·5	23·9	20·8	24·1	21·2	24·1	21·4
19	23·0	19·5	21·9	19·0	22·2	19·0	21·9	17·5	21·9	19·7	22·9	20·5	23·2	21·2	23·4	21·4
20	22·7	19·6	21·1	18·6	22·0	19·0	21·1	18·0	20·9	19·5	22·8	20·5	22·9	20·9	22·9	21·3
21	21·8	19·4	20·9	18·5	20·9	18·7	20·9	18·5	20·9	19·1	22·8	20·9	22·4	20·6	23·0	21·5
22	20·2	18·1	19·9	18·0	20·9	19·2	20·5	18·5	20·9	19·4	22·2	20·9	22·7	20·7	22·9	21·5
23	18·9	16·9	20·3	18·5	20·6	18·8	20·8	18·6	21·0	19·5	21·9	20·5	22·9	20·9	22·7	21·1

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	22·3	20·6	21·9	20·4	20·8	19·2	21·2	19·9	21·1	19·6	20·2	19·1	20·5	19·3	19·4	18·0
1h	21·8	20·5	21·8	20·2	20·4	19·0	21·7	20·0	20·8	19·9	20·0	18·9	20·0	19·0	18·8	17·5
2	21·8	20·5	20·9	19·6	20·8	19·2	20·8	19·8	20·9	20·2	19·8	18·8	19·8	18·8	19·1	17·7
3	21·3	20·1	20·3	19·2	20·2	19·2	20·8	19·6	21·0	20·3	19·4	18·5	19·7	18·6	18·8	17·5
4	21·8	20·6	20·5	19·5	20·4	19·0	21·1	20·0	21·1	20·1	20·2	19·4	19·9	19·1	18·8	17·5
5	21·7	20·6	20·2	19·4	20·6	19·3	21·0	19·9	21·2	20·1	19·6	18·6	19·9	19·1	18·4	17·2
6	22·0	20·5	20·5	19·3	21·0	19·6	21·2	19·6	21·5	20·2	20·1	19·0	20·5	19·6	19·6	18·5
7	24·5	21·5	23·8	20·7	22·0	19·5	22·9	20·2	22·8	21·2	22·9	20·8	21·9	20·7	20·9	19·1
8	25·9	21·7	23·2	21·7	23·9	19·0	24·5	20·6	23·9	21·7	24·9	20·8	23·5	21·1	24·8	20·5
9	26·0	21·8	23·0	21·7	24·6	20·5	25·0	21·5	25·0	21·5	26·0	20·9	24·2	21·3	25·7	20·5
10	26·0	22·0	24·0	21·5	25·0	20·6	25·1	21·2	26·1	21·6	26·9	21·2	25·1	21·3	26·0	19·7
11	27·0	22·1	26·0	21·7	26·2	20·7	26·1	20·6	26·3	21·4	27·1	20·8	26·0	21·5	27·0	20·5
Noon	27·5	22·3	26·3	21·5	26·6	21·1	26·1	20·5	27·0	21·3	27·4	20·5	25·0	21·5	26·9	19·7
13h	27·7	22·0	26·1	21·3	27·0	21·5	26·1	20·5	27·0	21·7	28·0	20·0	24·2	21·6	27·0	20·2
14	27·8	21·9	26·5	21·4	26·4	20·7	26·1	20·9	27·1	21·3	27·9	20·4	26·0	20·4	26·6	20·1
15	26·9	21·4	23·9	21·5	26·6	20·4	25·3	20·8	26·7	20·8	27·1	20·4	25·7	20·4	26·5	20·4
16	26·3	21·5	24·4	20·4	25·7	20·4	24·7	20·4	27·0	20·9	26·9	20·3	25·1	20·3	26·0	20·4
17	25·2	21·1	24·7	20·5	24·6	19·9	24·5	20·5	25·3	20·6	26·0	20·4	24·5	19·9	24·9	20·5
18	24·2	21·0	23·6	20·5	23·8	20·2	23·8	20·4	24·3	20·5	24·4	20·2	23·8	19·5	23·2	20·6
19	23·1	20·5	22·4	19·5	22·9	20·0	23·4	20·1	23·1	20·3	22·5	19·4	23·3	20·0	22·5	20·1
20	22·7	20·5	21·9	19·1	22·9	20·0	23·1	20·4	22·7	20·0	21·8	19·4	22·7	19·5	22·2	20·3
21	22·2	20·5	20·9	18·9	22·9	20·4	22·9	20·0	20·9	19·1	21·1	19·3	21·2	19·2	21·9	20·4
22	22·3	20·5	20·9	18·9	22·5	20·0	21·9	19·5	20·6	18·9	20·8	19·1	20·8	18·9	21·4	20·0
23	22·0	20·3	20·9	19·1	22·4	20·3	20·9	19·4	20·2	18·7	20·6	18·9	20·5	18·7	20·4	19·0

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

(*To obtain temperatures in the Absolute Scale add 273°*)

NOVEMBER 1916.

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

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

NOVEMBER 1916.

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	894	915	892	919	889	916	896	920	894	930	890	924	900	924	905	924	Midnight
1h	893	915	891	921	886	922	890	923	890	925	891	913	905	923	900	931	1h
2	893	915	892	919	886	922	893	917	893	916	890	924	900	928	900	936	2
3	892	918	887	920	893	916	893	917	887	919	890	924	905	925	894	928	3
4	893	915	887	919	892	918	892	918	891	922	893	916	900	923	895	922	4
5	889	917	886	921	891	922	893	915	892	920	892	919	900	919	906	929	5
6	886	921	889	917	887	919	893	916	892	920	892	919	900	932	904	921	6
7	887	919	891	912	883	926	890	923	893	916	894	930	907	932	911	926	7
8	895	926	896	921	900	952	908	938	893	933	907	934	909	942	913	932	8
9	893	935	904	921	900	949	909	942	892	939	924	936	927	927	914	934	9
10	913	932	913	913	918	943	918	945	909	942	923	935	909	944	917	941	10
11	918	927	906	930	912	961	910	947	907	936	909	945	916	939	924	936	11
Noon	922	922	920	930	900	943	926	939	913	933	932	932	918	944	934	934	Noon
13h	918	918	919	928	928	942	910	949	909	942	918	944	917	942	924	936	13h
14	917	926	856	882	910	948	916	939	916	939	915	938	909	944	922	933	14
15	928	911	886	864	922	954	900	943	900	945	909	944	917	942	942	917	15
16	930	912	892	881	907	936	909	944	900	950	909	944	909	943	932	921	16
17	907	916	915	885	915	937	900	941	890	948	909	943	909	942	918	927	17
18	904	918	904	921	900	938	892	937	894	931	907	935	908	938	910	924	18
19	907	909	903	916	900	931	894	927	886	935	906	928	913	933	908	918	19
20	900	911	900	916	904	921	891	922	892	937	900	927	906	931	910	923	20
21	897	913	893	917	889	926	894	931	889	929	900	932	904	920	907	916	21
22	896	921	896	909	900	942	888	930	883	926	900	937	905	923	908	919	22
23	892	918	887	919	894	928	894	929	889	928	900	925	909	922	907	916	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	907	916	900	939	900	929	900	925	900	925	900	920	896	920	895	924	Midnight
1h	907	915	900	930	900	930	900	926	904	921	896	919	894	913	896	921	1h
2	907	916	900	933	900	933	900	926	900	916	898	910	896	918	897	915	2
3	906	915	904	918	900	937	900	925	900	927	897	917	896	919	897	916	3
4	907	916	903	917	900	925	900	931	900	929	893	916	891	922	896	918	4
5	907	917	903	917	896	918	900	923	900	934	893	916	892	918	896	920	5
6	907	916	903	917	900	926	905	923	900	923	891	922	890	924	896	918	6
7	911	926	894	930	906	929	916	939	908	920	889	926	887	920	900	921	7
8	923	935	915	937	913	933	918	944	925	937	915	938	890	925	916	937	8
9	921	932	908	940	919	947	920	949	917	943	915	938	888	931	923	940	9
10	931	931	922	952	919	947	922	952	919	947	909	944	900	932	917	934	10
11	939	926	910	948	911	953	924	958	917	943	917	943	924	936	917	942	11
Noon	925	938	937	937	930	945	923	955	919	946	916	940	917	941	908	942	Noon
13h	924	936	923	935	911	953	911	953	917	943	908	941	886	934	908	940	13h
14	918	943	910	949	910	948	910	949	918	944	917	942	910	949	923	937	14
15	924	936	924	936	910	949	910	949	919	946	924	936	900	945	916	935	15
16	924	935	909	945	900	951	928	942	921	932	921	931	915	938	915	940	16
17	916	940	900	942	900	945	917	941	908	941	920	930	910	947	919	937	17
18	914	936	900	941	900	944	908	940	913	933	906	930	895	926	909	928	18
19	908	941	900	935	900	940	912	931	911	927	905	924	896	921	910	921	19
20	900	935	900	934	908	942	913	933	905	923	900	918	892	937	919	925	20
21	900	937	900	935	900	941	905	925	904	921	900	918	896	918	926	928	21
22	900	936	900	927	900	944	905	924	905	922	896	920	890	924	911	926	22
23	900	933	900	921	900	932	904	921	900	916	897	914	890	925		917	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

NOVEMBER 1916.

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	900	919	896	919	887	920	892	918	897	917	892	919	893	917	900	916	Midnight
1h	897	915	896	918	890	915	894	915	893	915	890	923	906	915	898	911	1h
2	897	914	897	916	885	923	894	914	893	915	892	920	900	917	897	916	2
3	897	915	897	913	894	929	892	919	897	917	889	917	890	915	897	915	3
4	891	922	894	915	894	931	888	930	896	918	891	909	890	915	893	916	4
5	892	919	893	916	893	934	889	928	897	915	887	913	888	918	894	914	5
6	889	928	893	916	887	934	893	934	897	914	887	913	887	920	894	913	6
7	887	934	895	925	892	938	900	945	889	927	887	913	886	922	892	918	7
8	906	929	900	944	890	950	890	947	887	933	885	938	900	941	904	919	8
9	908	938	900	945	900	959	909	946	907	934	909	944	900	934	912	930	9
10	908	938	910	950	921	951	919	946	900	944	909	943	923	935	913	933	10
11	908	940	911	953	921	951	918	943	900	944	910	949	915	938	900	941	11
Noon	900	942	889	952	918	945	916	940	884	940	924	936	925	938	918	943	Noon
13h	900	948	900	955	921	951	919	946	900	943	889	952	917	942	913	934	13h
14	900	949	923	955	900	956	900	949	881	947	909	946	923	934	900	870	14
15	911	955	922	954	900	958	917	943	859	941	911	954	923	934	888	882	15
16	888	957	911	952	900	958	910	950	879	951	910	951	913	934	889	883	16
17	889	955	888	960	888	960	909	942	890	948	900	945	910	925	892	920	17
18	884	939	888	958	881	947	900	934	892	939	890	950	911	911	891	922	18
19	885	924	891	944	886	936	900	927	896	919	893	935	911	900	888	919	19
20	887	920	890	948	893	916	900	927	896	918	891	922	907	900	890	915	20
21	888	918	892	937	889	929	900	915	892	919	889	928	910	900	891	912	21
22	889	928	885	937	893	933	897	915	894	913	888	930	908	911	892	910	22
23	890	923	882	927	887	932	897	916	893	917	890	925	907	917	890	915	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	887	919	890	915	890	915	892	919	882	918	887	920	895	921	Midnight
1h	892	910	885	915	888	919	892	919	878	922	892	920	894	919	1h
2	895	907	904	920	887	920	892	920	878	922	891	913	895	919	2
3	890	915	900	920	888	918	893	917	882	918	894	914	895	919	3
4	896	918	900	914	888	919	893	915	888	912	893	916	894	919	4
5	896	918	897	917	886	921	892	920	882	918	889	916	894	920	5
6	894	915	896	921	896	919	892	918	883	917	890	915	894	920	6
7	892	918	900	934	888	930	883	925	873	927	883	925	901	926	7
8	900	929	900	938	890	948	893	935	881	928	879	931	906	936	8
9	885	915	900	939	908	941	909	944	891	943	889	929	912	938	9
10	912	930	908	939	921	950	900	946	876	936	883	925	911	940	10
11	900	931	900	945	921	950	911	952	873	941	887	913	914	942	11
Noon	907	935	900	948	900	949	900	960	884	939	904	882	910	936	Noon
13h	908	940	900	947	900	956	891	946	890	948	926	883	906	941	13h
14	909	942	900	977	900	955	879	950	869	946	918	896	909	939	14
15	906	928	888	936	910	951	887	963	889	956	913	894	907	937	15
16	911	917	880	957	900	954	900	961	881	947	906	886	901	937	16
17	911	905	890	948	890	948	867	949	879	950	897	887	898	937	17
18	910	923	887	949	879	951	876	936	877	934	898	881	898	933	18
19	904	921	890	933	885	937	878	933	878	933	899	894	897	926	19
20	903	916	889	925	889	928	879	932	881	929	888	891	896	924	20
21	894	915	886	929	889	929	883	926	886	921	880	896	895	923	21
22	892	910	892	921	892	919	874	940	889	916	884	911	895	924	22
23	893	910		919	892	919	888	918	885	923	890	908		921	23

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

NOVEMBER 1916.

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

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

TABLE XIII.—DIRECTION of the WIND at every HOUR of the DAY during the MONTH of NOVEMBER 1916.
(*The days on which the Normal Trade Winds were interrupted are indicated by an asterisk* *).
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	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 *	Hour. Mauritius Standard Time.
	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	
Midt.	6	6	5	7	7	6	8	9	10	8	8	8	8	8	7	7	8	7	5	6	7	6	6	8	5	5	5	6	4	5	Midt.
1h	6	6	5	6	6	5	9	8	10	8	8	8	9	7	6	7	7	7	5	6	6	6	10	7	5	4	5	6	4	6	1h
2	6	6	5	6	6	6	8	8	10	8	8	8	8	7	7	7	7	7	5	6	6	6	8	7	5	9	5	6	4	5	2
3	6	5	6	6	5	6	9	7	10	9	8	8	8	7	7	7	7	7	7	6	7	5	5	7	5	8	5	6	4	6	3
4	6	5	6	6	6	6	8	7	10	9	8	8	8	6	6	7	6	6	7	6	7	4	5	6	7	8	5	6	4	6	4
5	5	5	6	6	6	6	8	9	10	9	7	8	8	6	6	7	6	6	7	6	7	4	5	6	7	7	5	6	4	5	5
6	5	5	5	6	6	6	8	9	10	9	8	9	8	6	6	7	6	6	6	7	7	4	5	6	6	7	7	6	4	5	6
7	5	5	5	6	6	7	9	10	10	7	9	10	10	6	5	7	6	7	7	8	6	4	5	6	6	8	6	5	4	5	7
8	7	7	8	9	7	9	9	10	11	10	10	10	11	10	6	8	9	8	7	7	6	6	8	9	8	8	7	7	5	5	8
9	7	9	8	9	7	11	12	10	11	9	10	10	10	10	6	10	9	8	8	9	9	9	8	10	4	8	9	9	7	6	9
10	10	12	10	10	9	11	9	10	12	10	10	10	10	9	8	11	9	9	10	10	8	9	11	10	10	9	10	8	5	5	10
11	11	9	9	9	9	9	10	11	13	9	9	10	10	10	11	10	9	9	10	10	8	9	10	8	8	8	10	9	5	4†	11
Noon	12	11	8	11	10	12	10	12	11	12	11	10	10	10	10	10	8	7	10	10	6	11	11	10	9	8	8	8	6	23	Noon
13h	12	11†	11	9	9	10	10	11	11	11	9	9	10	9	6	9	8	8	10	10	8	7	10	10†	9	8	8	7	7	19	13h
14	11	30	9	10	10	10	9	11	10	9	9	9	10	10	9	9	8	10	8	8	6	9	11	24	9	8	8	6	5	17	14
15	14	26	10	8	8	9	10	14	11	11	9	9	10	11	8	11	9	10	8	10	4	9	11	27	9	8	9	7	7	18	15
16	14	26	9	9	8	9	9	13	11	9	8	11	11	11	10	10	7	9	8	9	6	9	10	27	11	7	8	8	6	22	16
17	10	20	10	8	7	9	9	11	10	8	8	10	9	11	9	10	7	7	7	9	7	8	10	6§	14	6	7	5	6	25	17
18	9	9§	8	7	7	9	9	10	10	8	8	9	10	9	7	11	6	7	6	8	7	7	12	6	10	7	6	5	5	25	18
19	11	9	8	7	6	9	10	10	9	8	8	10	10	9	7	10	5	7	6	8	7	7	16	5	9	6	6	5	5	25	19
20	8	8	9	6	7	8	9	10	8	8	8	10	9	8	7	10	5	7	6	8	7	6	16	5	9	6	6	5	5	29	20
21	7	6	6	7	6	8	9	10	8	8	9	9	9	8	7	11	5	7	6	8	6	6	16	5	6	6	6	5	5	31§	21
22	7	6	8	6	5	8	9	10	8	8	8	9	9	7	6	12	6	6	7	7	6	6	11	5	5	5	6	5	5	3	22
23	6	5	7	7	6	8	10	10	8	8	8	9	8	7	6	11	6	5	6	7	6	6	10	5	5	6	6	5	5	3	23

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of NOVEMBER 1916.

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	24·9	24·6	24·8	24·5	24·4	24·4	25·0	25·2	24·8	24·5	24·1	23·6	23·6	24·4	25·6	25·7	24·2	23·1	22·4	22·0	23·8	27·2	27·5	26·9
2	25·6	25·5	25·1	24·9	24·7	24·9	25·4	25·7	25·4	25·1	24·8	24·2	24·2	25·3	25·9	26·0	25·3	24·3	24·0	22·8	25·7	28·0	27·7	26·5
3	25·7	25·7	25·5	25·2	25·0	25·1	25·5	25·9	25·6	25·3	24·8	24·5	24·4	25·4	26·1	26·3	25·1	24·4	23·6	23·5	25·0	28·0	28·0	26·9
4	26·1	25·8	25·6	25·4	25·2	25·4	25·8	26·0	25·9	25·5	25·1	24·7	24·7	25·7	26·2	26·2	25·7	24·6	23·8	23·7	24·9	28·3	27·7	26·8
5	26·1	25·9	25·8	25·5	25·5	25·6	25·9	26·0	25·7	25·5	25·2	25·1	25·2	25·7	26·1	26·1	25·3	24·8	24·3	24·8	25·9	27·5	27·4	26.5
6	26·1	25·9	25·8	25·5	25·4	25·6	26·0	26·3	25·9	25·5	25·3	25·1	25·1	25·9	26·6	26·7	25·5	24·9	24·6	24·5	26·0	28·6	28·6	27·5
7	26·5	26·4	26·2	26·0	25·4	26·0	26·2	26·5	26·2	26·1	25·8	25·6	25·6	26·1	26·7	26·7	26·2	25·7	25·3	25·1	25·9	28·0	28·2	27·0
8	26·5	26·4	26·2	25·9	25·8	25·9	26·1	26·2	26·3	26·2	25·8	25·5	25·6	26·0	26·4	26·3	26·2	25·5	25·0	25·0	26·1	27·2	27·0	26·4
9	26·3	26·0	25·9	25·8	25·6	25·7	26·1	26·4	26·1	25·7	25·5	25·3	25·3	25·8	26·7	26·7	25·7	25·0	24·5	24·6	25·8	28·1	28·2	27·3
10	26·5	26·4	26·1	25·9	25·7	25·6	25·9	26·1	26·4	25·9	25·6	25·2	25·3	25·7	26·3	26·2	26·1	25·2	24·6	24·5	25·7	27·5	27·1	26·2
11	26·1	25·9	25·6	25·5	25·3	25·5	25·9	26·1	25·9	25·4	25·1	24·8	24·9	25·7	26·3	26·2	25·1	24·4	23·9	24·0	25·0	28·0	27·7	26·4
12	26·1	26·2	25·8	25·6	25·6	25·6	25·9	26·0	25·9	25·6	25·3	25·1	25·2	25·7	26·1	25·9	25·5	25·0	24·6	24·7	25·4	27·2	27·0	26·0
13	26·0	25·9	25·7	25·6	25·5	25·6	26·0	26·3	25·8	25·4	25·2	25·0	25·1	25·8	26·6	26·5	25·6	24·7	24·5	24·5	25·5	28·1	28·1	26·8
14	26·3	26·1	25·9	25·6	25·6	25·6	26·1	26·4	26·2	25·7	25·3	25·0	25·1	25·7	26·8	26·8	25·7	24·6	24·1	24·2	25·2	28·6	28·6	27·7
15	26·6	26·4	26·1	26·0	25·7	25·9	26·0	26·1	26·5	26·1	25·6	25·5	25·5	25·8	26·1	26·1	26·2	25·2	24·5	24·9	25·8	26·7	26·7	26·0
16	26·1	25·9	25·7	25·4	25·2	25·4	25·7	26·0	25·7	25·3	24·9	24·6	24·7	25·2	25·8	25·9	24·9	24·0	23·3	23·3	24·8	26·6	26·8	26·0
17	25·9	25·8	25·7	25·5	25·3	25·5	25·7	26·0	25·8	25·3	25·1	24·9	24·8	25·4	26·0	25·9	25·6	24·4	24·1	23·9	25·0	26·8	27·1	26·2
18	26·1	25·9	25·6	25·3	25·2	25·2	25·9	26·1	25·6	25·2	25·0	24·6	24·7	25·4	26·5	26·4	25·1	24·2	23·8	23·6	25·3	28·0	27·8	27·0
19	26·5	26·1	26·0	25·8	25·7	25·7	25·9	26·1	26·2	25·7	25·5	25·2	25·3	25·7	26·0	26·1	25·8	25·2	24·6	24·4	25·6	27·0	27·0	26·0
20	26·1	25·9	25·7	25·5	25·3	25·5	25·9	26·3	25·7	25·3	25·0	24·8	24·9	26·1	26·6	26·7	25·0	24·2	23·8	24·1	25·1	28·3	28·1	27·3
21	26·5	26·3	26·1	25·8	25·6	25·9	26·1	26·5	26·2	25·9	25·5	25·1	25·1	25·9	26·5	26·6	26·0	25·0	24·0	24·1	25·4	28·4	28·5	26·9
22	26·4	26·2	26·0	25·7	25·5	25·6	26·1	26·3	26·5	25·6	25·3	24·8	24·9	25·6	26·7	26·8	26·0	24·6	23·7	23·8	25·2	28·5	28·5	27·7
23	26·6	26·5	26·2	26·0	26·0	26·1	26·6	26·7	26·5	26·1	25·7	25·5	25·6	26·3	27·0	26·9	26·2	25·5	24·7	25·1	26·2	29·0	28·5	27·8
24	26·8	26·7	26·5	26·3	26·1	26·1	26·3	26·5	26·7	26·3	25·9	25·6	25·6	26·1	26·3	26·4	26·6	25·6	24·7	24·8	26·1	27·3	27·3	26·6
25	26·5	26·4	26·1	25·9	25·7	25·8	26·2	26·6	26·1	25·7	25·4	25·1	25·2	26·0	26·8	26·9	25·5	24·8	24·4	24·4	25·7	28·7	28·8	27·8
26	26·7	26·6	26·5	26·1	26·1	26·2	26·7	26·9	26·7	26·2	26·0	25·6	25·7	26·6	27·3	27·3	26·1	25·5	25·0	25·2	26·1	29·3	29·0	28·0
27	27·0	26·8	26·7	26·5	26·4	26·6	26·7	27·1	26·8	26·5	26·1	25·9	26·0	26·7	27·3	27·3	26·5	25·7	25·1	25·4	26·5	29·2	29·4	28·2
28	27·2	27·1	27·0	26·7	26·6	26·7	27·1	26·7	27·1	26·8	26·5	26·2	26·2	27·0	27·7	27·1	26·8	26·2	25·7	25·7	26·7	29·0	29·3	27·5
29	27·0	27·3	27·0	26·8	26·7	26·7	27·2	27·5	27·4	26·9	26·5	26·2	26·2	27·0	27·7	27·7	27·6	26·3	24·4	25·5	25·8	29·7	29·5	28·4
30	27·5	27·3	27·2	26·8	26·6	26·6	26·7	26·8	27·3	27·0	26·5	26·2	26·2	26·4	26·7	26·7	27·1	26·2	25·3	25·5	26·4	27·0	26·8	26·1
Mean	26·34	26·20	26·00	25·77	25·61	25·74	26·09	26·31	26·16	25·78	25·45	25·15	25·20	25·87	26·51	26·50	25·81	24·96	24·37	24·39	25·59	27·99	27·92	26·94

§ Direct. † Retrograde.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of NOVEMBER 1916.

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.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Nov. 1d		...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...
2		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4		...	...	...	0·5	...	...	...	1·3	...	...	...	0·5	...	...	...
5		...	...	...	...	...	...	...	2·8	6·3	...	...	...	...	16·5	9·0
6		5·2	...	0·7	0·5	1·0	...	...	...	...	4·8	10·2	19·3	...	1·0	...
7		...	...	...	0·2	1·5	...	...	...	2·5	...	...	0·5	...	5·1	2·6
8		...	...	...	0·8	...	3·0	...	0·3	...	...	...	2·5	15·2	2·5	...
9		...	...	...	...	0·8	3·3	...	1·5	...	...	...	0·8	...	...	...
10		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11		0·7	...	2·3	2·3	5·6	...	1·5	4·1	...	...	...	1·3	...	...	...
12		...	...	0·8	...	1·0	...	...	2·5	...	...	...	...	...	5·6	...
13		...	2·2	0·7	1·3	1·8	4·8	...	0·8	...	4·8	...	4·5	...	1·8	...
14		...	2·3	...	0·2	2·3	...	...	...	...	...	...	...	...	...	2·3
15		0·6	...	3·8	1·3	0·3	...	0·5	4·6	...	4·1	...	...	4·3	...	2·0
16		...	...	0·5	...	1·5	3·8	...	...	7·2	...	...	...	...	...	...
17		...	...	...	0·7	2·8	...	...	0·2	3·3	...	...	...	...	...	...
18		...	...	...	...	0·3	...	...	...	12·7	3·0	...	1·3	...	...	...
19		...	...	1·5	0·8	...	...	...	7·6	...	...	...	2·5	...	...	...
20		3·0	...	1·8	2·3	...	13·3	0·5	2·5	...	5·1	6·1	3·8	...	3·6	...
21		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23		2·0	...	...	0·8	...	1·0	1·3	3·3	...	...	...	1·3	8·1	...	...
24		...	...	...	...	...	...	...	...	3·6	...	...	...	...	...	11·0
25		...	...	...	1·0	...	...	1·3	7·1	...	...	13·9	1·8	...	13·5	...
26		...	1·0	1·3	2·5	2·3	...	4·8	17·8	...	...	...	...	...	2·0	...
27		...	...	0·8	0·3	0·2	8·9	...	1·5	...	...	...	2·8	15·2	...	...
28		...	...	...	0·2	6·9	4·3	...	1·5	...	...	...	4·6	...	...	...
29		...	...	...	...	5·3	3·8	...	...	6·3	...	...	...	3·1	2·3	...
30		...	4·5	...	...	...	...	...	...	...	14·0	...	...	...	...	...
Total ...	...	11·5	10·0	14·2	15·7	33·5	46·2	9·9	59·9	41·9	35·8	30·2	47·5	45·9	53·9	26·9

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of NOVEMBER 1916.

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.	Flora.	Labarraque.* §	Beau Bois.	Bel Ombre. §	Chamarel.	Clarens. §	Tamarin.	Réunion. §	Mare aux Vacoas.	Salency.	Réduit.	Alma.	Military Camp.	La Ferme.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Nov. 1d	...	...	...		...		...		...		...	...	...	...		...
2	...	...	...		...		...		...		...	...	...	1·3		...
3	...	...	0·5		...		...		...		1·0	...	0·5	...		0·5
4	...	...	...		...		...		...		...	...	0·1	...		...
5	...	5·6	...		3·0		...		...		...	...	...	0·5		...
6	6·0	14·7	0·5		6·0		0·5		3·0		4·2	...	0·5	2·8		0·5
7	...	2·3	10·2		1·0		6·9		...		...	...	0·1	...		...
8	...	2·0	0·5		...		...		...		...	...	0·3	...		...
9	...	...	2·5		...		...		...		...	...	...	...		...
10	...	...	...		...		...		...		...	...	0·6	2·3		...
11	...	...	...		...		...		...		...	...	0·2	2·8		...
12	2·0	...	5·1		...		...		...		0·8	...	...	6·1		...
13	...	...	1·3		4·0		...		...		2·3	...	1·0	...		...
14	...	...	1·5		...		...		...		...	...	0·5	...		...
15	5·0	1·3	...		...		...		2·5		0·8	...	0·5	2·8		...
16	1·0	6·9	...		1·0		0·8		...		...	...	0·1	3·0		...
17	5·0	...	13·8		2·0		..		...		...	...	0·5	...		1·0
18	...	...	...		...		...		...		1·3	...	0·5	7·1		...
19	1·5	...	3·0		2·0		0·5		...		5·6	...	..	4·6		1·0
20	...	3·0	2·5		...		0·3		...		...	...	0·8	...		...
21	...	...	...		...		...		...		...	...	0·1	...		...
22	...	...	...		...		...		...		...	...	0·1	...		...
23	...	...	...		1·0		...		15·0		1·5	...	0·5	...		...
24	...	...	...		...		5·9		4·7		...	2·5	37·0	...		0·8
25	...	...	...		...		4·6		5·6		...	31·0	0·8	2·3		17·8
26	[illegible]	2·5	1·3		1·0		6·6		2·0		16·0	25·4	...	0·5		40·9
27	1·0	2·0	3·8		1·0		1·8		...		1·5	...	27·5	2·0		0·5
28	1·0	11·2	2·5		7·0		...		...		1·8	...	0·5	...		...
29	...	...	...		...		...		...		...	...	...	...		...
30	...	1·3	...		1·0		...		...		0·8	...	11·7	1·3		...
Total ...	22·5	52·8	49·0	...	30·0	...	27·9	...	32·8	...	37·6	58·9	84·4	39·4	...	63·0

Observations discontinued temporarily.

* Mill § Record not received.

TABLE XVI.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
NOVEMBER 1916.

Royal Alfred Observatory, Pamplemousses.

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

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

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

TABLE XVII.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of NOVEMBER, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	1	Mare Sèche *	20	0·48	12·2	...	8
	2	Union §	200	...	...	...	...
	3	St. Antoine	50	0·45	11·5	37·1	5
	4	Belmont...	50	0·31	7·9	37·1	4
	5	Poudre d'Or	20	0·35	8·9	36·1	4
	6	Poudre d'Or Hospital ...	10	0·25	6·3	29·7	1
	7	Mon Loisir (R)* ...	300	...	...	...	...
	8	Mon Loisir S.E.* ...	300	0·09	2·3	43·2	1
	9	Forbach	300	0·78	20·0	16·0	5
	10	Labourdonnais	290	0·40	10·0	47·8	4
	11	Beau Séjour	300	0·56	14·2	63·8	10
	12	Mont Piton	860	0 90	22·9	64·3	11
	13	Mon Choix	700	0·72	18·3	54·9	10
	14	Antoinette	640	0·66	16·8	56·1	9
	15	California	850	1·17	29·7	64·0	3
	16	Nouvelle Découverte ...	1,400	1·32	33·5	47·2	15
	17	Mon Songe	620	1·77	45·0	70·1	10
	18	La Grande Rosalie ...	643	2·79	70·9	71·9	10
	19	The Mount	325	0·26	6·6	65·0	1
	20	Botanic Gardens ...	325	0·62	15·7	53·8	16
	21	Beau Plan§	195	...	...	...	...
	22	The Observatory ...	179	1·33	33·9	44·2	17
	23	Solitude *	175	0·30	7·6	...	2
	24	St. André *	90	0·20	5·1	...	1
	25	Belle Vue Harel ...	350	1·64	41·7	22·9	4
	26	Mont Choisy	10	2·34	59·4	24·1	9
	27	Belle Vue (S. Est.) * ...	...	1·53	38·9	...	10
	28	Rosalie §	...	4·53	115·1	...	8
	29	Constance §	...	1·24	31·5	...	6
	30	Belle Vue Maurel § ...	...	...	...	..	...
	31	Esperance (Trébuchet) *	...	1·04	26·4	...	7
	32	Schœnfeld §	...	0·80	20·3	...	4
	33	Industrie §	...	1·95	49·5	...	2
	34	St. François Estate †† ...	...	...	...	...	...
	35	Réunion Estate * ...	...	0·22	5·6	...	3
	36	Souvenir §	...	0·15	3·8	...	1
	37	Mon Rocher *	...	0·68	17·3	...	6
	38	Bon Espoir §	...	...	..	...	...
	39	Ile d'Ambre §	...	...	...	...	...
	40	La Salette §	...	...	...	...	...
	41	Leclézio Mapou * ...	...	0·52	13·2	...	6
2 & 3	1	Union Régnard ...	600	1·52	38·6	71·6	17
	2	La Grande Retraite§ ...	350	..	...	...	...
	3	Constance d'Arifat L.G.	100	0·39	9·9	52·3	6
	4	St. Julien Church* ...	1,050	2·36	59·9	...	17
	5	Rich Fund*	600	1·82	46·2	...	9
	6	Constance (Manès) S.E*	...	1·59	40·5	...	4
	7	Queen Victoria * ...	...	1·27	32·3	...	9
	8	Belle Mare	...	1·93	49·0	33·5	2
	9	Beau Bois (Flacq) § ...	...	1·03	26·0	...	3
	10	Bel Etang (Lesur)§ ...	...	...	...	...	...
	11	Bon Espoir §	...	...	...	...	...
	12	Belle Vue (Allendy) §...	...	...	...	...	...
4	1	Sans Souci	900	1·65	41·9	131·8	7
	2	Etoile	400	1·41	35·8	94·2	6
	3	Beau Champ §	20	1·19	30·2	30·5	3
	4	Belle Rive *	400	1·49	37·8	...	6
	5	Olivia *	400	1·80	45·7	...	10
	6	Deep River *	350	0·96	24·4	...	4
	7	Unité §	...	1·29	32·8	...	9
	8	Belle Rose Estate * ...	...	1·25	31·7	...	9
	9	La Lucie Estate * ...	...	0·87	22·1	...	6
	10	La Lucie (Residence)*...	...	0·97	24·6	...	7
	11	Melrose *	...	2·04	51·8	...	8
	12	Bonne Veine *... ...	...	2·72	69·1	...	12
5	1	Rose Belle *	850	1·87	47·5	...	14
	2	Cent Gaulettes ...	500	2·68	68·1	125·7	15
	3	St. Hubert §	400	1·76	44·7	...	7
	4	Riche-en-Eau §... ...	460	1·81	45·9	81·8	5
	5	Ferney	20	2·12	53·9	83·8	10
	6	Beau Vallon	60	1.06	26·9	64·8	5
	7	Union Vale	200	1·12	28·4	36·8	4
	8	Mon Désert (Carié) * ...	75	1·49	37·8	31·2	13
	9	Riche Bois §	1,420	...	...	...	...
	10	Cluny *...	1,000	1·73	43·9	141·0	8
	11	Virginia Estate * ...	...	1·09	27·7	...	10
	12	Eau Bleue §	...	...	...	...	...
	13	Union Park *	...	2·29	58·2	...	16
	14	Plaisance Estate * ..	...	0·94	23·9	...	10
	15	Sauveterre Estate ...	...	1·04	26·4	...	7
	16	Deux Bras Estate * ...	...	1·01	25·7	...	4
6	1	Kanaka	2,000	1·31	33·3	90·2	9
	2	Tivoli	1,300	0·38	9·7	67·6	2
	3	La Flora *	1,050	1·93	49·0	...	14
	4	Britannia (No. 1) ...	730	2·08	52·8	85·3	11
	4a	Britannia (No. 2)* ...	600	1·32	33·5	...	16
	5	Gros Bois§	500	...	...	...	...
	6	Savannah (Residence) ...	200	1·13	28·7	60·2	6
	7	Savannah (Mill) ...	200	1·28	32·5	46·7	8
	8	St. Aubin	300	0·89	22·5	74·9	8
	9	Union B.A.St.FélixS.E.*	90	1·14	29·0	...	2
	10	Beau Bois	350	1·18	30·0	92·4	12
	11	Labarracq (Resid.) § ...	250	...	...	...	...
	12	St. Avold *	900	1·73	43·9	...	12
	13	Terracine *	100	0·87	22·1	...	7
	14	Labarracq (Mill) § ...	250	...	....	...	...
	15	St. Felix Sugar Estate *.	...	1·19	30·2	...	4
	16	Bel Air *	...	2·22	56·4	...	7
	17	Chamouny §	...	...	...	...	...
	18	Union S.E. §	...	1·54	39·0	...	7
	19	Fontenelle §	...	1·93	49·0	...	5
	20	Combo §	...	0·70	17·8	...	4
	21	St. Felix (Wilson) * ...	...	2·06	52·3	...	6
	22	Joli Bois Estate § ...	...	...	...	...	...
7 8 & 9	1	Bel Ombre §	50	...	...	...	...
	2	Chamarel	400	1·10	27·9	32·5	9
	3	Beau Champ *	...	1·67	42·4	...	3
	4	Board *	...	0·95	24·1	...	2
	5	Ste. Marie *	...	1·31	33·3	...	3
	6	Médine Estate * ...	...	1·65	41·9	...	6
	7	Albion Estate * ...	...	2·85	72·4	...	2
	8	Anna Estate §	...	1·04	26·4	...	5
	9	Pierre Fond Estate * ...	...	1·28	32·5	...	3
10		No returns.					
11	1	Les Gorges *	...	2·01	51·1	...	7
	2	Curepipe Gardens ...	1,840	0·95	24·1	119·6	13
	3	Mare aux Vacoas ...	1,850	1·48	37·6	121·7	12
	4	La Marie Filter Bed ...	1,700	1·97	50·0	55·1	9
	5	Réunion §	1,420	...	...	...	...
	6	Tamarin *	150	1·29	32·8	...	6
	7	Clarens§	150	...	...	...	...
	8	Les Salines (B.R.)§ ...	...	0·64	16·2	...	10
	9	Terrain Bonnefin † * ...	...	2·24	56·9	...	15
	10	Chebel Estate §	...	...	...	...	...
12	1	The Mause	850	1·96	49·8	40·4	5
	2	The Bower	1,080	1·71	43·4	52·6	10
	3	Le Réduit (D. of A.) ...	1,000	3·33	84·4	67·6	22
	4	Alma	1,460	1·55	39·4	115·1	14
	5	Minissy §	1,150	2·37	60·2	...	4
	6	Bagatelle	1,250	1·16	29·4	70·9	13
	7	Highlands *	1,300	2·58	65·5	...	8
	8	Trianon §	950	4·23	107·4	55·1	6
	9	Salency	923	2·32	58·9	50·8	3
	10	Military Camp (1) ...	1,370	...	...	...	...
	11	La Ferme *	350	2·48	63·0	...	8
	12	Bon Air §	1,050	3·50	88·9	...	3
	13	Val Ory...	1,100	1·73	43·9	...	13
	14	Pieter Both Estate * ...	...	0·55	14·0	...	2
	15	Roslyn Cottage Estate §	...	...	...	...	...
	16	Agrément Estate * ...	...	0·45	11·4	...	5
	17	Circonstance Estate * ...	...	0·60	15·2	...	1
	18	Le Réduit Grounds * ...	...	2·21	56·1	...	6
	19	Stanley *	...	2·55	64·8	...	7
	20	Ebène §	....	2·39	60·7	...	3
	21	Mon Rêve §	...	3·20	81 3	...	3
	22	Béga §	...	2·15	54·6	...	2
	23	Bassin *...	...	1·49	37·8	...	2
	24	Hermitage *	...	0·33	8·4	...	2
	25	Côte d'Or §	...	0·65	16·5	...	5
	26	Mon Repos *	...	2·88	73·2	...	5
13	1	Salines (R.B.) § ...	10	...	...	...	...
	2	The Albion Dock ...	18	0·17	4·3	22·4	1
	3	Line Barracks (1) ...	10	...	...	...	...

* Normals not available
†† Parcelled out
† A station at Mare aux Vacoas Reservoir
(1) Discontinued temporarily.
‡ Casela
§ Record not received
4 a Bon Acceuil.

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RESULTS

OF

MAGNETICAL, METEOROLOGICAL AND SEISMOLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER, 1916.

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

DIRECTOR.

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TABLE I.—RESULTS of MAGNETICAL and SEISMOLOGICAL OBSERVATIONS made during the MONTH of DECEMBER 1916.

Month and Day. 1916.	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)
	° ′			′		
Dec. 1	9.50·6	·23166	·30623	9·0	69	23
2	50·7	174	623	7·8	29	18
3	50·2	183	620	8·0	51	14
4	50·4	188	618	7·6	30	16
5	50·1	191	618	9·6	32	14
6	51·0	192	618	8·8	30	15
7	51·0	197	619	8·4	20	16
8	51·3	189	614	11·0	32	41
9	50·6	196	617	10·0	47	27
10	50·9	188	620	8·0	24	12
11	50·8	191	622	6·2	22	18
12	51·2	202	626	9·6	44	11
13	51·4	196	628	6·6	33	24
14	51·6	202	630	5·4	30	14
15	51·0	193	630	6·8	51	8
16	50·9	194	634	5·2	45	6
17	51·5	194	635	3·8	23	15
18	50·8	199	633	4·0	38	9
19	51·0	204	629	7·8	15	20
20	51·2	204	631	6·0	13	18
21	51·0	209	630	2·2	34	13
22	51·5	214	630	3·4	21	7
23	51·9	215	627	6·2	24	20
24	51·8	227	626	8·2	47	24
25	51·6	219	625	12·4	47	29
26	52·4	208	623	11·0	36	28
27	51·6	209	626	13·0	103	16
28	51·4	193	627	8·6	18	19
29	51·9	200	622	13·0	24	33
30	51·3	199	617	14·4	41	28
31	51·2	203	621	11·2	64	21
Mean	9.51·15	·23198	·30625	8·17	36·7	18·6

List of Earthquakes. Date, 1916.	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.
Dec.		h m	h m	h m	″	h m	h m	h m	″	
3	1676	3.46·9	...	3.57·7	...	3.47·4	3.57·1	4. 1·2	...	Feeble
6	1677	1.29·7	1.39·9	1.44·8	...	1·30·8	1.40·8	1.45·0	...	.....
21	1678	...	...	...	...	14.51·4	...	14.58·7	...	Very feeble
23	1679	13.39·3	14.20·6	14.56·0	·11	13.49·0	14.21·4	14.55·6	·08	.....
24	1680	12.18·7	12.21·7	12.27·3	...	12.20·5	...	12.26·8	...	Very feeble
26	1681	7.46·9	...	8. 9.2	...	7 45·9	...	8.11·7	...	Feeble
27	1682	0.32·1	...	0.54·0	...	...	...	...	...	Feeble
28	1683	2. 3·9	...	2.31·8	...	...	...	...	...	Feeble
Mean	...	...	...	...	...	...	...	...	...	...

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS made during the MONTH of DECEMBER 1916.

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). A. M. Observations. Day and Hour.	Dip (South). A. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force. C. G. S. Units.	Dip (South). P. M. Observations. Day and Hour.	Dip (South). P. M. Observations. Observed Value.	Dip (South). Resulting Vertical Force C.G.S. Units.
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
Dec. 7. 8.33	9.55·3	Dec. 7. 9.22	·23219	Dec. 2. 9.44	52.53·6	·30639	Dec. 2.13.24	52.52·3	·30616
13.43	9.47·3	13. 8	·23193	5. 9.43	52.51·1	·30607	5.14.23	52.51·5	·30591
13. 8.34	9.54·1	13. 9.26	·23201	8. 9.51	52.50·4	·30594	8.13.46	52.49·5	·30592
13.50	9.50·4	13.14	·23217	12. 9.49	52.50·4	·30631	12.13.48	52.51.1	·30630
20. 8.36	9.51·9	20. 9.27	·23223	18. 8.45	52.50·7	·30639	18.11.34	52.52.1	·30635
13.45	9.47·8	12.57	·23196	21. 8.43	52.49·3	·30628	21.12.15	52.51.3	·30635
28. 8.25	9.53·7	28. 9·28	·23198	26. 8.31	52.50·5	·30634	26.13.11	52.49.1	·30606
13.46	9.46·7	12.45	·23216	29. 9.14	52.52·6	·30632	29.12. 0	52.50.2	·30609

TABLE III.— MAGNETIC DECLINATION WEST at very HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

DECEMBER 1916.

Hour. \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	50·4	52·0	52·4	51·2	51·4	51·2	51·2	50·7	50·3	51·5	50·5	50·3	51·5	51·5	51·5	53·1	Midnight
1h	50·6	51·8	51·8	49·8	50·6	51·4	50·8	51·9	50·7	51·5	51·1	50·7	51·9	51·5	50·7	49·9	1h
2	50·2	51·8	51·8	50·0	50·0	51·4	51·0	51·9	51·3	51·5	51·5	51·1	50·1	51·3	50·3	51·7	2
3	50·2	51·8	51·8	50·4	50·0	51·8	51·8	52·1	51·9	51·9	51·9	51·7	51·5	51·9	50·1	51·9	3
4	51·0	52·0	50·2	51·8	50·2	51·8	51·8	52·3	52·1	52·1	51·9	52·5	51·9	52·1	50·5	51·1	4
5	51·6	51·8	51·2	51·6	51·4	52·0	52·4	53·7	53·1	53·1	51·9	53·3	52·1	53·5	51·9	50·7	5
6	51·8	52·4	52·4	52·4	52·4	52·6	53·8	54·3	53·7	53·7	52·3	54·1	52·3	53·3	52·3	49·9	6
7	51·4	51·0	52·2	53·6	54·6	54·2	55·6	56·1	55·9	53·9	53·9	55·7	53·1	53·5	52·7	51·3	7
8	51·8	51·4	53·8	53·2	55·0	54·8	56·0	57·3	55·9	53·9	54·1	55·1	54·9	52·5	53·9	51·1	8
9	53·8	52·2	52·0	51·4	52·0	53·6	52·2	55·9	53·3	52·3	53·9	56·1	54·1	53·9	54·5	51·3	9
10	54·8	53·8	51·8	50·0	51·6	53·8	51·2	52·1	50·1	51·7	52·3	52·5	53·9	53·9	53·7	51·7	10
11	54·0	51·6	49·8	48·0	49·6	51·8	49·6	48·1	47·1	50·3	51·3	51·7	52·5	53·1	51·9	52·1	11
Noon	51·6	50·2	47·8	47·4	48·0	50·2	48·0	47·9	45·9	49·7	49·9	49·5	51·9	52·5	50·5	51·9	Noon
13h	47·8	48·2	45·8	46·0	45·4	47·0	47·6	46·3	46·1	46·1	47·9	46·5	50·5	51·9	48·5	50·7	13h
14	46·4	47·4	46·0	46·0	45·4	46·0	47·6	46·3	46·3	45·9	47·9	46·9	49·9	50·3	47·9	49·9	14
15	45·8	46·4	46·6	48·2	47·0	47·6	48·6	48·1	47·3	48·1	48·1	47·5	49·1	48·5	47·7	47·9	15
16	46·0	46·0	47·8	49·8	48·0	49·6	50·0	50·1	48·5	49·9	48·5	48·1	48·3	48·7	47·9	48·1	16
17	49·6	47·8	47·8	51·0	49·8	50·0	51·8	51·5	49·9	51·5	49·9	50·1	49·5	49·7	49·7	49·3	17
18	49·6	49·8	49·8	51·4	49·8	50·4	51·8	51·9	50·3	51·3	49·9	50·1	49·9	49·9	50·1	50·1	18
19	49·8	50·2	50·2	50·2	50·0	50·2	50·0	51·9	50·1	50·3	49·9	50·3	50·3	49·9	51·1	51·5	19
20	51·8	51·8	50·4	51·8	50·0	50·0	49·8	50·9	49·9	50·9	50·1	50·1	50·7	50·5	52·1	51·7	20
21	51·4	51·6	50·6	51·8	50·0	50·0	50·0	50·1	51·7	51·1	50·1	51·5	51·1	51·5	51·5	51·9	21
22	51·5	50·8	51·0	51·6	50·2	50·2	50·0	50·3	51·3	50·3	50·1	51·9	50·9	51·9	51·3	52·1	22
23	50·2	52·0	51·0	51·6	50·8	51·2	51·4	50·5	51·7	50·3	50·1	51·7	51·3	51·7	51·5	51·9	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	9° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	51·8	52·2	51·8	51·6	51·8	51·4	51·6	51·8	51·8	51·8	51·0	50·4	51·6	51·6	51·8	51·4	Midnight
1h	51·6	51·8	51·8	51·6	51·6	51·8	51·8	51·8	51·8	51·8	51·4	51·0	51·0	51·4	51·0	51·3	1h
2	50·6	51·8	51·2	51·8	51·6	51·8	51·8	51·8	52·0	52·0	51·6	51·4	51·6	51·8	51·4	51·3	2
3	51·0	51·6	51·0	51·8	51·8	52·0	51·8	51·8	53·2	51·8	51·8	51·6	52·0	51·8	51·6	51·6	3
4	51·4	51·0	50·8	51·8	51·8	52·0	51·8	52·0	53·8	53·8	51·6	52·4	51·8	51·8	51·8	51·8	4
5	51·0	51·2	51·2	51·8	52·0	52·4	52·2	52·2	54·0	51·4	53·4	53·2	53·2	52·2	51·6	52·2	5
6	51·8	51·0	51·8	52·0	52·0	53·6	53·8	53·8	55·8	54·0	54·4	52·8	53·4	53·2	52·0	52·9	6
7	52·4	51·2	53·0	51·8	51·8	53·6	55·8	56·0	57·8	56·0	56·0	53·8	55·4	54·0	49·8	53·8	7
8	52·4	50·0	53·4	52·4	51·4	53·2	56·0	56·0	57·8	57·8	58·8	53·8	57·2	55·8	49·2	54·2	8
9	53·4	50·0	54·0	53·6	51·2	51·4	55·4	54·0	55·4	59·0	57·2	55·0	58·2	58·0	52·0	53·9	9
10	53·4	50·8	54·0	53·8	50·4	50·6	54·2	52·6	52·4	58·0	55·8	54·6	58·0	57·8	55·2	53·2	10
11	53·2	51·8	53·8	53·2	51·4	51·4	52·2	49·8	47·8	54·8	51·8	53·6	54·8	56·0	57·0	51·8	11
Noon	52·6	51·6	52·6	51·8	51·8	51·2	50·4	47·8	45·8	50·0	50·0	50·2	49·8	52·0	56·2	50·2	Noon
13h	50·4	49·8	49·6	49·0	50·8	51·0	50·0	48·0	45·4	48·0	47·8	47·4	46·0	45·8	53·4	48·1	13h
14	49·8	49·0	47·0	47·8	49·8	50·8	50·6	49·8	47·6	49·2	45·8	46·4	45·2	43·6	49·8	47·7	14
15	49·6	48·2	46·2	47·8	49·8	51·0	51·8	51·6	50·0	50·4	47·4	47·6	46·4	43·6	46·0	48·0	15
16	49·8	48·4	47·8	49·4	49·8	51·2	51·6	51·8	51·4	51·4	47·8	48·4	48·0	45·0	45·8	48·8	16
17	49·8	49·4	48·4	50·0	50·0	51·0	49·8	51·4	50·6	51·8	49·8	50·0	51·4	49·2	47·6	50·0	17
18	50·0	49·8	49·8	50·2	49·8	50·8	49·8	51·2	50·2	51·6	50·0	51·2	51·8	50·2	49·2	50·4	18
19	50·6	51·6	50·0	50·6	50·4	50·2	50·2	51·8	50·0	50·8	51·8	51·0	51·6	50·4	50·2	50·6	19
20	51·4	51·8	50·0	50·8	50·2	50·2	50·2	51·8	49·8	50·4	51·4	51·0	51·2	50·8	50·2	50·8	20
21	52·0	51·8	51·2	51·2	50·6	51·0	50·6	51·2	50·0	50·6	51·2	51·4	51·6	51·6	51·2	51·1	21
22	52·0	51·6	51·2	51·4	51·2	51·2	50·8	51·4	50·6	51·0	50·2	52·0	51·8	52·0	52·0	51·2	22
23	53·2	51·8	51·4	51·8	51·6	51·6	51·6	51·6	52·2	51·2	50·4	51·6	51·6	51·8	52·0	51·4	23

TABLE IV.—MAGNETIC HORIZONTAL FORCE at every HOUR of the DAY as deduced from the PHOTOGRAPHIC RECORDS.

(*The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.*)

DECEMBER 1916.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	170	169	171	188	186	194	190	194	187	187	187	196	182	199	191	211	Midnight
1h	169	181	186	200	183	189	193	185	189	185	187	198	195	206	200	194	1h
2	190	172	180	202	192	190	199	184	191	189	190	200	215	198	201	187	2
3	182	173	181	193	192	191	193	185	194	190	189	197	200	204	207	189	3
4	180	171	188	188	193	197	193	185	195	191	194	197	204	207	208	192	4
5	180	172	183	190	192	193	193	185	192	189	194	193	203	206	208	199	5
6	180	171	181	188	192	199	193	189	195	189	195	196	204	206	208	200	6
7	180	175	190	190	199	202	194	192	203	194	200	217	208	209	205	201	7
8	176	174	190	191	190	203	192	193	204	187	196	227	201	217	193	199	8
9	177	181	190	193	188	203	197	187	204	195	196	230	195	213	188	198	9
10	180	179	200	201	194	204	209	194	212	203	200	215	193	214	192	202	10
11	178	181	204	200	202	193	208	196	223	192	199	218	189	206	198	209	11
Noon	160	171	182	201	202	193	210	195	224	188	195	213	187	203	198	209	Noon
13h	154	182	180	198	199	190	203	203	205	192	187	208	189	207	189	200	13h
14	160	169	181	191	189	184	204	204	212	191	193	199	196	207	194	183	14
15	155	171	179	182	174	176	203	202	202	186	195	207	197	201	190	166	15
16	146	180	185	178	170	174	193	194	194	184	194	207	195	200	175	180	16
17	121	180	184	178	189	187	193	186	185	179	187	196	195	198	157	190	17
18	142	184	153	177	192	189	192	172	177	181	180	196	193	204	179	186	18
19	152	162	180	172	192	186	192	175	178	184	178	193	189	197	185	193	19
20	169	158	171	186	190	188	192	176	177	185	181	196	187	195	189	191	20
21	151	159	181	173	188	192	193	185	194	181	187	188	196	187	181	190	21
22	161	187	181	173	192	193	193	185	186	184	191	186	196	190	188	194	22
23	170	169	181	187	193	193	196	185	186	186	196	188	197	188	191	194	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·23000 + (C.G.S. UNIT).																
Midnight	192	180	201	204	201	208	210	213	210	194	211	189	195	197	191	193·5	Midnight
1h	193	190	202	205	201	208	211	215	211	184	206	195	208	199	213	196·2	1h
2	198	190	202	209	199	210	210	215	211	194	204	203	201	196	203	197·6	2
3	199	190	209	201	198	210	211	213	209	200	202	203	195	196	202	196·7	3
4	196	191	204	204	201	210	211	212	211	195	212	197	210	199	205	198·1	4
5	197	193	201	206	201	209	209	213	212	203	221	200	204	203	208	198·5	5
6	190	199	203	202	209	211	209	218	213	209	228	195	205	206	222	200·2	6
7	196	209	203	203	217	217	208	225	219	220	226	196	202	208	239	204·7	7
8	196	218	200	207	229	221	210	231	219	218	258	194	187	205	245	205·5	8
9	190	216	209	209	229	229	223	248	224	215	242	193	186	198	239	206·0	9
10	195	209	211	208	229	224	229	251	230	214	249	190	193	195	217	207·6	10
11	193	199	204	201	222	216	229	259	232	207	246	187	194	202	189	205·7	11
Noon	192	192	196	198	202	218	227	259	239	212	228	186	201	214	181	202·7	Noon
13h	199	197	200	201	195	219	220	250	238	214	229	188	208	225	194	202·0	13h
14	198	207	200	209	197	218	219	240	240	214	216	187	208	215	196	200·7	14
15	199	206	205	211	205	219	223	231	231	210	208	195	210	195	196	197·7	15
16	200	207	207	210	206	219	225	230	230	203	212	193	204	184	186	195·6	16
17	199	205	206	202	208	211	218	223	231	206	196	185	197	189	189	192·6	17
18	196	200	204	200	207	210	210	222	222	209	194	193	197	195	186	191·7	18
19	193	189	202	200	207	210	215	221	222	206	170	194	200	195	181	190·4	19
20	194	191	202	200	208	210	210	220	221	209	156	194	196	195	188	191·1	20
21	189	191	204	200	208	210	210	219	202	213	155	197	201	196	200	191·0	21
22	200	199	205	201	210	210	210	212	199	212	169	192	196	185	199	192·9	22
23	177	200	208	200	209	210	211	214	193	212	179	194	196	188	195	193·1	23

TABLE V.—MAGNETIC VERTICAL FORCE AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are not corrected for the effect of the diurnal change of Temperature in the Magnet Chamber.)

DECEMBER 1916.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·30000 + (C.G.S. UNIT).																
Midnight	627	627	625	622	620	619	620	621	621	623	625	627	631	632	634	635	Midnight
1h	628	625	625	622	620	619	620	621	621	623	625	627	631	630	634	631	1h
2	626	628	624	622	620	620	620	621	621	622	624	627	628	631	632	635	2
3	626	628	624	622	621	620	621	622	621	623	624	626	630	632	631	635	3
4	626	627	624	622	622	620	621	621	622	623	624	627	630	631	632	635	4
5	626	626	624	623	622	621	623	622	622	623	625	627	630	632	633	635	5
6	626	626	625	624	624	623	625	625	625	624	626	629	633	633	632	632	6
7	626	624	621	624	624	624	627	627	627	624	627	632	634	635	631	632	7
8	630	626	619	619	624	623	627	626	626	626	626	629	638	634	634	632	8
9	632	631	617	616	620	617	621	615	620	625	625	632	639	635	634	635	9
10	627	629	616	613	616	611	615	600	607	623	624	627	636	635	630	633	10
11	621	623	614	609	612	609	613	588	600	619	620	624	631	634	627	632	11
Noon	616	617	611	608	610	609	612	586	600	616	613	622	625	632	627	636	Noon
13h	613	616	613	610	610	610	611	590	605	614	609	621	617	629	626	637	13h
14	611	616	616	613	613	611	611	599	608	614	611	622	615	624	627	636	14
15	609	617	614	616	617	617	615	607	609	614	613	624	615	622	626	636	15
16	611	613	619	617	619	620	620	615	614	616	617	625	619	622	626	636	16
17	617	615	619	618	618	621	621	618	618	617	620	624	621	621	627	635	17
18	621	621	623	619	617	620	620	619	620	618	622	624	624	623	627	635	18
19	623	621	622	619	618	618	618	619	619	618	623	623	626	625	627	635	19
20	624	623	622	620	618	618	618	618	619	619	623	623	626	628	631	634	20
21	625	625	621	620	618	618	618	619	622	621	625	625	628	630	630	634	21
22	628	624	622	622	619	619	620	620	621	622	625	627	628	632	632	635	22
23	624	625	622	620	619	619	620	620	622	622	625	627	630	633	633	635	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Hour. / Day.
	·30000 + (C.G.S. UNIT).																
Midnight	636	637	634	632	632	630	630	627	628	629	626	628	628	624	624	627·5	Midnight
1h	636	635	635	633	632	630	629	627	628	630	627	627	627	624	622	627·2	1h
2	636	635	634	633	633	630	630	627	628	629	627	626	627	624	623	627·2	2
3	636	635	634	633	633	631	630	628	628	628	627	627	627	625	623	627·5	3
4	636	635	635	634	635	631	631	629	629	629	627	627	627	625	623	627·7	4
5	636	635	635	634	634	631	632	630	629	628	627	626	626	624	622	627·8	5
6	638	634	636	634	634	633	634	633	632	630	628	626	626	625	622	628·9	6
7	637	633	636	635	632	631	638	635	634	631	630	629	631	625	616	629·4	7
8	638	631	635	636	630	629	636	636	633	632	634	632	635	627	614	629·6	8
9	640	635	635	637	629	626	631	631	629	634	632	637	636	627	623	628·9	9
10	639	636	633	638	629	627	626	623	621	627	627	636	625	619	629	625·1	10
11	639	636	631	632	630	628	623	618	610	617	620	631	618	611	629	620·9	11
Noon	636	637	629	628	632	629	618	612	605	609	619	625	609	599	626	617·8	Noon
13h	629	634	623	621	629	629	618	614	609	606	618	618	603	589	617	615·7	13h
14	625	629	617	620	624	627	620	622	615	610	618	618	605	591	610	616·1	14
15	628	628	617	621	622	627	621	625	621	614	621	621	612	600	608	618·0	15
16	630	630	616	625	622	630	619	625	625	618	622	623	616	609	612	620·4	16
17	633	629	617	631	626	631	619	624	625	619	625	625	620	617	618	622·2	17
18	631	630	623	633	628	631	623	624	624	621	626	626	623	620	623	623·8	18
19	632	633	628	633	629	631	626	625	625	621	627	624	622	619	622	624·2	19
20	633	632	630	632	629	630	628	625	625	623	629	624	623	621	623	624·9	20
21	635	633	630	632	630	630	628	627	627	624	630	626	623	622	624	625·8	21
22	633	633	631	632	631	630	629	627	629	626	629	628	625	624	624	626·7	22
23	636	634	632	633	631	630	629	628	632	626	630	627	625	624	624	627·0	23

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1916.

Month and Day. 1916.	Atmospheric Pressure. Mean	Atmospheric Pressure. Excess above Average.	Temperature of the Air. (in degrees Centigrade.) 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. (Centigrade). Mean.	Temperature of the Dew Point. Excess above Average.	Degree of Humidity (Saturation=100). Mean.	Degree of Humidity. Excess above Average.	Elastic Force of Vapour.	Lowest Temperature on the Grass. (Cent.)	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration.	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10).
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	mins.	mm.	
Dec. 1	1009·8	+ 1·3	27·1	19·5	7·6	23·3	−1·5	20·8	19·0	+ 0·1	77	+ 7	21·8	16·7	1·3	20	3·8	5·9
2	1009·5	+ 1·0	27·8	20·1	7·7	23·2	−1·6	20·7	18·9	− 0·1	77	+ 7	21·6	17·3	2·1	30	4·6	7·4
3	1008·3	− 0·1	28·5	20·9	7·6	24·1	−0·8	20·6	18·1	− 1·0	69	− 1	20·6	17·7	1·7	15	6·5	6·1
4	1006·5	− 1·8	28·8	21·3	7·5	24·5	−0·4	21·4	19·2	+ 0·1	72	+ 1	22·0	19·0	2·6	25	5·2	8·8
5	1004·2	− 4·0	28·1	22·3	5·8	24·5	−0·5	22·2	20·5	+ 1·3	79	+ 8	23·9	18·4	3·7	35	2·2	8·6
6	1003·4	− 4·8	29·6	21·8	7·8	25·6	+0·6	22·7	20·7	+ 1·4	74	+ 3	24·2	20·6	0·0	...	5·5	6·6
7	1004·8	− 3·3	31·1	20·6	10·5	25·8	+0·7	22·5	20·2	+ 0·8	71	0	23·4	18·1	0·0	...	7·0	5·1
8	1007·4	− 0·6	30·4	21·0	9·4	25·5	+0·4	21·9	19·4	0·0	69	− 2	22·3	18·6	0·0	...	8·1	3·7
9	1008·1	+ 0·1	30·8	21·5	9·3	25·2	0·0	22·2	20·1	+ 0·6	73	+ 2	23·3	18·6	2·8	10	5·5	5·9
10	1007·3	− 0·6	29·1	21·0	8·1	23·7	−1·5	21·5	19·9	+ 0·3	78	+ 7	23·0	17·8	29·2	200	6·0	7·0
11	1006·9	− 0·9	28·6	20·7	7·9	24·2	−1·1	21·0	18·7	− 0·9	72	+ 1	21·4	17·9	0·0	...	7·5	5·4
12	1006·2	− 1·6	27·5	21·0	6·5	23·7	−1·6	20·6	18·3	− 1·4	72	0	20·8	18·2	3·2	30	5·6	6·0
13	1006·1	− 1·6	27·9	20·4	7·5	23·9	−1·4	21·0	18·9	− 0·8	74	+ 2	21·6	17·5	3·3	40	5·3	7·9
14	1007·9	+ 0·3	27·7	20·3	7·4	23·7	−1·7	21·1	19·2	− 0·6	76	+ 4	22·0	17·6	1·0	25	5·1	6·6
15	1009·0	+ 1·4	27·1	20·0	7·1	23·2	−2·2	20·8	19·0	− 0·9	78	+ 6	21·8	18·4	1·4	15	4·7	8·7
16	1008·2	+ 0·7	27·1	19·9	7·2	23·3	−2·1	20·4	18·3	− 1·6	73	+ 1	20·8	18·4	0·0	...	5·0	7·6
17	1008·0	+ 0·5	28·5	18·3	10·2	23·9	−1·5	20·6	18·2	− 1·8	70	− 2	20·7	16·4	0·9	10	7·4	4·8
18	1008·0	+ 0·6	28·5	20·3	8·2	23·7	−1·8	20·9	18·8	− 1·2	74	+ 2	21·5	17·5	1·8	20	5·3	5·6
19	1008·3	+ 1·0	27·0	19·6	7·4	23·1	−2·4	20·7	18·9	− 1·2	77	+ 5	21·6	16·7	5·3	85	5·1	7·1
20	1006·7	− 0·6	28·3	20·4	7·9	24·2	−1·3	21·0	18·7	− 1·4	72	0	21·4	17·6	2·0	15	6·5	5·3
21	1004·8	− 2·4	28·3	20·7	7·6	24·4	−1·2	20·9	18·4	− 1·8	69	− 4	21·0	18·3	0·0	...	6·5	4·6
22	1003·3	− 3·9	29·4	21·2	8·2	24·9	−0·7	21·7	19·4	− 0·8	72	− 1	22·3	18·6	0·3	5	4·8	6·0
23	1002·5	− 4·6	28·3	21·8	6·5	24·9	−0·7	22·1	20·1	− 0·2	75	+ 2	23·3	20·9	1·5	30	6·5	6·4
24	1003·4	− 3·6	27·5	22·3	5·2	24·8	−0·8	22·6	21·1	+ 0·8	80	+ 7	24·8	21·2	4·0	90	6·2	8·9
25	1005·5	− 1·5	28·3	23·4	4·9	25·4	−0·3	22·4	20·3	0·0	73	0	23·6	21·9	0·2	5	7·5	8·7
26	1006·6	− 0·3	27·8	23·0	4·8	25·5	−0·2	21·6	18·9	− 1·5	67	− 6	21·6	18·9	0·0	..	7·5	8·4
27	1005·6	− 1·2	27·9	20·4	7·5	24·2	−1·5	20·9	18·5	− 1·9	71	− 2	21·1	17·4	1·2	30	6·7	7·0
28	1005·8	− 0·9	29·2	20·5	8·7	24·2	−1·5	20·7	18·2	− 2·3	69	− 4	20·7	18·6	0·2	5	5·2	7·4
29	1007·4	+ 0·7	29·4	22·3	7·1	25·6	−0·2	21·8	19·1	− 1·4	67	− 7	21·9	21·1	0·0	...	7·0	8·4
30	1008·2	+ 1·6	30·0	22·0	8·0	25·5	−0·3	21·8	19·2	− 1·4	68	− 6	22·0	19·0	0·0	...	8·0	5·9
31	1008·6	+ 2·0	29·5	21·2	8·3	25·8	0·0	22·5	20·2	− 0·4	71	− 3	23·4	17·6	0·0	...	8·3	3·7
Mean	1006·7	− 0·8	28·6	21·0	7·6	24·4	−1·0	21·4	19·2	− 0·7	72·9	+0·9	22·1	18·5	Sum 69·7	Sum 740	6·0	6·6
Average	1007·5	...	29·8	21·7	8·1	25·4	...	22·1	19·9	...	72·0	...	23·0	19·1	120·1	1330	6·4	5·4
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.

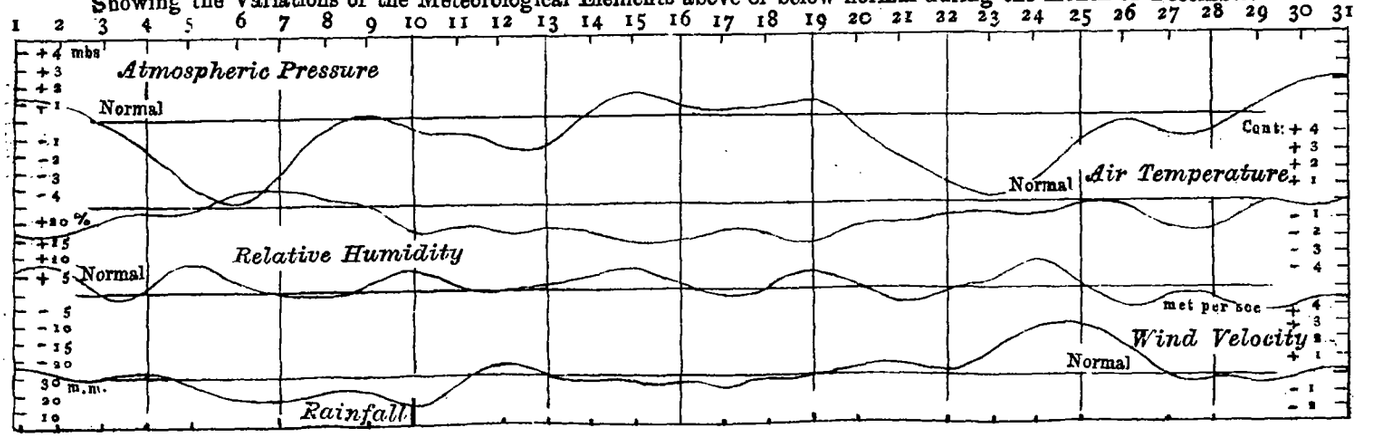

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1916.

Month and Day. 1916.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. 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.s.	m.p.s.	°	m.p.s.	°	m.p.s.	m.p.s	m.p.s.	°	°	°	°	°	
Dec. 1	4·5	34	+ 0·7	+ 2·6	105	2·7	+ 18	+ 0·1	2·9	− 0·5	24·7	24·9	26·12	25·63	24·81	f. c.g.p. : c. : f.
2	6·4	48	0·0	+ 3·5	90	3·5	+ 3	+ 0·9	3·5	+ 0·1	24·7	24·9	25·67	25·36	24·90	f. :c.p.: c. : c.p: c.g.
3	9·1	68	+ 0·7	+ 3·2	102	3·3	+ 15	+ 0·7	3·4	0·0	24·6	25·0	25·76	25·50	25·38	c.g.p. : c. : f.
4	4·6	35	+ 1·8	+ 3·2	119	3·7	+ 32	+ 1·1	3·7	+ 0·3	24·6	25·1	25·94	25·67	25·50	c.g.p. : c.g. : o.g.p.
5	3·3	25	+ 2·6	+ 0·3	173	2·6	+ 86	0·0	3·0	− 0·4	24·6	25·1	25·93	25·71	25·55	o.g.p. : o.g. : c.p. : c.
6	9·5	71	+ 1·5	− 0·9	211	1·7	+ 124	− 0·9	2·2	− 1·2	24·6	25·0	26·19	26·10	26·28	c. : f. c.
7	12·2	92	+ 1·9	− 0·5	195	1·9	+ 108	− 0·7	2·2	− 1·2	24·7	25·1	26·69	26·69	27·03	f. : c.
8	11·6	87	− 0·2	+ 1·3	81	1·3	− 7	− 1·3	2·4	− 1·0	24·7	25·2	27·31	27·39	27·78	f. : b.
9	7·7	58	− 0·8	+ 0·9	48	1·2	− 40	− 1·4	2·4	− 1·0	24·6	25·2	27·62	27·54	27·49	b. : f. : c.g.p. : c.l.
10	6·0	45	− 0·7	+ 0·7	45	1·0	− 43	− 1·6	1·7	− 1·7	24·6	25·2	27·38	27·07	26·40	c.p. : f. : o.r.t. : o.g.: f
11	10·0	75	− 0·6	+ 2·5	76	2·5	− 12	− 0·1	2·8	− 0·6	24·7	25·3	26·90	26·56	26·33	f. : c. : f.
12	7·9	59	− 0·7	+ 3·9	80	3·9	− 8	+ 1·3	4·1	+ 0·7	24·7	25·2	26·79	26·43	25·86	f. : c.p.q. : c.
13	6·6	50	+ 0·8	+ 3·2	104	3·3	+ 16	+ 0·7	3·4	0·0	24·7	25·3	26·37	26·01	25·62	c.g. : c.q. : c.p.
14	6·9	52	+ 0·5	+ 3·1	99	3·1	+ 11	+ 0·5	3·3	− 0·2	24·7	25·2	26·28	26·01	25·85	c. : f. : c. : c.p.
15	3·0	23	+ 0·3	+ 3·1	96	3·1	+ 8	+ 0·5	3·2	− 0·3	24·7	25·2	26·18	25·94	25·81	c. :o.g. :ogpq: c.
16	5·1	38	+ 0·6	+ 2·9	102	2·9	+ 14	+ 0·3	3·0	− 0·5	24·7	25·2	26·23	26·00	25·68	c. : c.g. :o.g.: c.
17	10·7	80	+ 0·3	+ 2·6	97	2·6	+ 9	0·0	2·8	− 0·7	24·7	25·4	26·83	26·83	27·11	f. : c.p. :
18	3·9	29	− 0·2	+ 3·2	86	3·2	− 2	+ 0·6	3·4	− 0·1	24·7	25·4	27·36	27·31	27·41	f. : c.p: c. :c.p.: f.
19	4·8	36	− 0·4	+ 3·0	82	3·0	− 6	+ 0·4	3·3	− 0·2	24·7	25·3	27·05	26·88	26·59	f. : c.p. c.
20	11·0	83	− 0·4	+ 3·7	84	3·7	− 4	+ 1·1	3·8	+ 0·3	24·7	25·3	26·81	26·75	27·04	c.p. : f.q. : f.
21	8·1	61	− 0·6	+ 3·8	81	3·8	− 7	+ 1·2	4·0	+ 0·5	24·7	25·3	27·44	27·33	27·36	f.
22	10·2	77	− 0·5	+ 3·4	82	3·4	− 6	+ 0·8	3·6	+ 0·1	24·7	25·4	27·77	27·79	28·20	f. :c.p: : f. : c.
23	9·4	71	− 0·1	+ 4·9	89	4·9	+ 1	+ 2·3	5·0	+ 1·5	24·7	25·4	28·38	28·38	28·51	c.p. : c.g.q. : f.q. : f.
24	7·4	56	+ 0·1	+ 6·2	91	6·2	+ 3	+ 3·6	6·2	+ 2·7	24·7	25·4	28·13	27·88	27·83	c.p.: o.g. : o.g.q.p.: o.g.p.
25	7·5	56	+ 1·0	+ 6·0	99	6·1	+ 11	+ 3·5	6·1	+ 2·6	24·7	25·4	27·79	27·64	27·87	ogp: c.g.q.
26	8·6	65	+ 0·8	+ 4·6	100	4·7	+ 12	+ 2·1	4·8	+ 1·3	24·7	25·5	28·11	28·01	28·17	o.g.q. : c.q. : c.p.
27	8·1	61	− 0·2	+ 3·3	87	3·3	− 1	+ 0·7	3·4	− 0·1	24·7	25·5	28·15	27·97	28·06	c.p. : c. : f.
28	5·2	39	− 0·4	+ 2·9	82	2·9	− 6	+ 0·3	3·1	− 0·4	24·7	25·4	27·99	27·92	27·97	f. : c.p.: c. : o.g.
29	7·9	59	+ 0·3	+ 2·8	96	2·8	+ 8	+ 0·2	2·9	− 0·6	24·8	25·5	28·42	28·47	29·07	c.g. : c.t. : c.
30	9·7	73	+ 0·2	+ 3·1	94	3·1	+ 6	+ 0·5	3·3	− 0·2	24·8	25·6	29·15	29·26	29·86	c. : f.
31	12·1	91	+ 0·4	+ 3·5	96	3·5	+ 8	+ 0·9	3·6	+ 0·1	24·8	25·7	29·58	29·60	30·18	f.
Mean	7·71	58·0	+ 0·28	+ 2·90	95·5	2·91	+ 6·5	+ 0·31	3·44	− 0·2	24·69	25·28	27·17	27·02	27·02	...
Average	8·30	62·2	− 0·10	+ 2·60	87·8	2·60	...	...	3·46	...	24·60	25·73	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Temperature was below normal on every day except the 6th, 7th and 8th and was 1°·0 (Cent) below in the mean for the month.

Two periods of low pressure occurred during the month: the first culminating on the 6th was apparently due to the passage of a depression southward of Mauritius; the second culminating on the 23rd was due to two tropical cyclones which passed from the north of Madagascar into the Mozambique Channel. The exact tracks have not yet been received from the Madagascar Observatory.

Humidity was variable and slightly above normal in the mean; rainfall at the Observatory was 42% below normal and fell on 21 days.

Lightning was seen on the 9th and thunder heard on the 10th and 29th.

The conditions for the month were not favourable to the growing crops but no serious set back could have occurred as the two previous months were unusually good.

The highest dew point temperature was 22°·7 at 15^h on the 5th; and the lowest 15°·2 at 11^h on the 17th.

The highest relative humidity was 97·0 % at 9^h on the 18th; and the lowest 47·1 % at 14^h on the 30th.

The percentage variation from the normal in the different districts of the Island was as follows :—

Northern Districts	River System 1,	39 % below
Eastern Districts	,, ,, 2, 3, 4.	31 % below
South-Eastern Districts	,, ,, 5 & 6	44 % below
Western Districts	River System 11	26 % below
	,, ,, 12	30 % below
	,, ,, 13	47 % below

(January 18, 1917)

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

TABLE VII.—ATMOSPHERIC PRESSURE IN MILLIBARS AT EVERY HOUR OF THE DAY AS DEDUCED FROM THE PHOTOGRAPHIC RECORDS.

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. The cistern of the barometer is 181 feet above mean sea-level.)

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When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d	Day. / Hour.
Midnight	0097	0107	0092	0075	0065	0042	0043	0067	0091	0084	0073	0072	0063	0073	0090	0092	Midnight
1h	0094	0103	0082	0069	0057	0034	0037	0063	0086	0080	0066	0063	0056	0072	0086	0084	1h
2	0090	0099	0080	0066	0050	0028	0035	0058	0083	0076	0064	0062	0053	0067	0084	0083	2
3	0089	0094	0079	0063	0049	0025	0033	0057	0080	0073	0063	0057	0053	0065	0082	0079	3
4	0087	0093	0081	0064	0045	0022	0033	0059	0079	0069	0060	0056	0050	0065	0082	0077	4
5	0090	0094	0084	0066	0046	0031	0037	0064	0081	0068	0064	0057	0054	0072	0085	0080	5
6	0095	0097	0090	0069	0050	0035	0046	0070	0084	0074	0065	0062	0060	0076	0090	0084	8
7	0102	0102	0092	0072	0052	0040	0049	0075	0087	0077	0072	0066	0063	0084	0095	0088	7
8	0105	0105	0095	0074	0056	0042	0053	0083	0093	0080	0074	0071	0066	0086	0100	0094	8
9	0106	0105	0095	0073	0054	0045	0055	0084	0095	0082	0075	0071	0066	0085	0100	0092	9
10	0105	0103	0094	0074	0052	0045	0055	0083	0094	0078	0077	0067	0064	0086	0099	0091	10
11	0100	0097	0087	0070	0045	0042	0051	0078	0085	0073	0072	0064	0061	0084	0096	0087	11
Noon	0098	0094	0083	0066	0042	0037	0048	0072	0081	0070	0068	0062	0056	0079	0094	0085	Noon
13h	0095	0089	0078	0064	0035	0033	0044	0068	0074	0067	0065	0058	0055	0075	0088	0081	13h
14	0093	0084	0073	0057	0032	0027	0040	0065	0068	0064	0059	0055	0051	0070	0085	0073	14
15	0089	0084	0070	0053	0023	0022	0038	0064	0064	0063	0056	0052	0049	0067	0081	0070	15
16	0089	0083	0067	0052	0023	0020	0039	0064	0063	0064	0055	0047	0051	0066	0084	0069	16
17	0093	0083	0069	0052	0024	0022	0041	0069	0064	0064	0060	0053	0054	0072	0084	0070	17
18	0097	0088	0074	0054	0029	0026	0047	0073	0070	0067	0065	0057	0061	0081	0089	0073	18
19	0103	0094	0082	0057	0032	0034	0054	0083	0076	0073	0072	0062	0067	0085	0091	0079	19
20	0110	0094	0084	0064	0033	0040	0060	0086	0083	0073	0075	0063	0072	0090	0093	0084	20
21	0113	0096	0089	0067	0036	0043	0064	0089	0086	0079	0080	0064	0076	0093	0094	0085	21
22	0114	0097	0090	0070	0044	0046	0068	0092	0091	0082	0083	0072	0080	0095	0096	0089	22
23	0113	0095	0084	0071	0043	0047	0070	0092	0089	0080	0083	0069	0082	0096	0095	0085	23

When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
Midnight	0080	0083	0086	0076	0059	0041	0038	0031	0050	0068	0070	0062	0066	0090	0093	0072	Midnight
1h	0077	0078	0085	0069	0052	0033	0033	0024	0043	0063	0064	0056	0062	0084	0086	0066	1h
2	0072	0073	0082	0065	0051	0032	0025	0023	0042	0059	0059	0051	0059	0081	0082	0062	2
3	0072	0069	0080	0068	0047	0031	0023	0020	0041	0054	0054	0047	0054	0074	0075	0060	3
4	0073	0071	0081	0068	0048	0032	0024	0020	0041	0057	0056	0048	0056	0071	0074	0059	4
5	0080	0079	0083	0073	0054	0034	0026	0026	0046	0064	0061	0055	0063	0073	0080	0063	5
6	0084	0084	0091	0079	0056	0036	0032	0032	0053	0070	0063	0060	0069	0081	0088	0069	6
7	0091	0086	0093	0083	0061	0043	0034	0035	0055	0072	0063	0063	0072	0084	0088	0072	7
8	0090	0087	0094	0080	0060	0040	0034	0040	0058	0073	0062	0063	0073	0084	0090	0074	8
9	0089	0091	0093	0074	0057	0038	0035	0043	0061	0074	0063	0064	0076	0085	0091	0075	9
10	0084	0087	0094	0073	0057	0039	0034	0041	0062	0073	0062	0065	0075	0085	0089	0074	10
11	0084	0086	0093	0070	0055	0036	0030	0040	0058	0069	0058	0063	0076	0085	0086	0070	11
Noon	0081	0084	0087	0067	0049	0034	0023	0036	0054	0066	0055	0061	0074	0083	0084	0067	Noon
13h	0075	0075	0083	0062	0044	0026	0020	0034	0052	0061	0051	0056	0074	0084	0084	0063	13h
14	0068	0071	0074	0058	0038	0022	0015	0027	0049	0056	0044	0052	0071	0075	0082	0058	14
15	0066	0066	0068	0052	0034	0017	0011	0024	0049	0056	0041	0045	0065	0069	0077	0054	15
16	0067	0068	0068	0053	0033	0015	0006	0023	0051	0054	0036	0042	0065	0067	0074	0053	16
17	0070	0073	0068	0055	0033	0015	0007	0024	0053	0056	0040	0047	0072	0070	0075	0056	17
18	0074	0077	0074	0061	0034	0022	0013	0028	0053	0061	0042	0053	0080	0078	0081	0061	18
19	0083	0084	0082	0062	0039	0035	0020	0038	0063	0066	0050	0061	0086	0085	0089	0067	19
20	0084	0088	0083	0067	0045	0042	0026	0044	0065	0070	0057	0065	0092	0091	0091	0071	20
21	0086	0089	0084	0069	0049	0044	0033	0053	0072	0074	0063	0067	0093	0096	0097	0075	21
22	0092	0090	0086	0068	0050	0044	0034	0054	0075	0080	0067	0073	0096	0098	0101	0078	22
23	0087	0089	0083	0065	0045	0044	0035	0054	0073	0076	0067	0073	0095	0096	0098	0077	23

TABLE VIII.—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.
	DECEMBER 1916.																															
Midnight	2	1	10	5	9	8	2	6	0	9	4	4	10	5	8	10	3	3	2	5	5	1	6	3	10	10	8	4	9	6	1	5·4
1h	2	4	8	10	9	9	2	5	0	7	5	4	7	8	9	10	6	4	6	5	4	5	5	4	10	10	8	3	7	5	3	5·9
2	3	4	9	10	8	7	3	4	1	8	7	8	8	6	9	6	4	5	7	7	2	7	8	10	10	10	7	6	10	7	5	6·6
3	2	4	10	7	9	7	3	3	3	7	9	4	9	2	8	8	7	1	10	8	0	3	9	10	6	10	9	1	9	10	1	6·1
4	3	5	9	10	10	8	5	5	4	6	8	3	8	3	8	5	7	2	10	8	3	6	9	10	7	9	9	2	8	10	3	6·5
5	5	5	9	6	10	6	5	3	4	6	8	2	9	5	7	5	6	6	10	7	5	8	10	8	8	10	9	2	9	10	3	6·6
6	7	8	6	10	10	4	5	2	3	3	6	4	7	6	7	5	6	4	7	7	3	8	8	10	10	6	6	8	9	10	1	6·3
7	5	8	5	8	10	4	4	5	4	2	6	3	7	5	7	4	5	5	7	5	5	7	7	10	6	5	7	9	9	9	3	6·0
8	5	8	7	8	10	5	5	8	5	5	6	7	9	6	8	7	5	6	9	4	7	7	6	10	7	8	7	8	9	8	4	6·9
9	4	7	9	9	10	8	5	6	6	5	7	8	6	7	8	6	5	10	5	5	5	6	7	8	10	7	7	9	6	6	5	6·8
10	9	7	9	9	10	7	4	5	6	5	7	8	8	8	10	7	6	9	8	6	7	7	6	8	9	8	7	10	7	7	5	7·4
11	8	6	8	10	10	8	6	3	4	6	8	6	8	9	10	7	4	8	9	8	5	6	8	8	8	7	8	9	7	6	5	7·2
Noon	10	7	5	9	9	7	4	3	4	8	6	7	8	8	10	9	5	8	7	5	8	5	7	8	10	6	8	8	9	4	6	7·0
13h	10	7	5	8	10	7	4	3	8	8	6	9	9	9	10	9	5	7	8	7	9	6	5	10	9	10	7	7	8	4	7	7·5
14	8	10	4	7	10	6	5	2	9	8	5	9	9	7	9	9	6	9	6	6	8	5	7	9	8	8	8	8	9	5	6	7·3
15	9	10	5	8	9	7	7	6	10	10	5	8	7	7	9	9	6	8	8	5	6	5	6	7	10	8	7	7	7	6	6	7·3
16	8	10	5	9	6	7	6	8	10	10	5	9	9	8	10	9	7	9	8	5	6	6	7	8	9	9	8	9	9	5	3	7·6
17	8	10	6	8	5	7	5	5	9	10	6	6	10	7	10	9	6	8	8	6	0	6	8	10	9	9	9	8	9	4	4	7·3
18	7	9	6	9	6	7	6	3	9	10	6	6	10	6	10	10	5	7	7	5	6	5	4	10	8	10	9	10	10	2	3	7·1
19	7	8	0	10	7	6	5	2	9	10	2	7	9	7	9	10	4	8	6	5	5	8	6	10	9	9	8	8	9	2	2	6·7
20	8	8	5	10	5	6	5	3	8	10	0	2	6	7	9	10	2	5	5	3	4	8	5	10	9	9	4	9	8	3	3	6·1
21	8	9	3	10	8	6	8	0	7	6	3	2	5	6	8	8	2	0	7	1	3	7	6	10	6	8	3	10	8	2	2	5·5
22	8	9	2	10	9	8	7	1	6	4	3	4	5	6	8	5	2	2	3	1	2	6	1	10	10	7	2	10	8	8	5	5·4
23	3	10	4	10	9	7	9	1	7	7	2	10	9	10	7	8	2	1	6	3	4	4	3	10	10	9	3	10	10	6	2	6·4

TABLE IX.—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.
	DECEMBER 1916.																															
	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	0	1	10	0	0	3	2	12	27	13	0	7	1	0	0	5	1	0	0	13	0	0	0	0	0	0	12	0	0	0	5	1·9
7	15	32	28	0	2	60	59	60	55	60	0	15	0	30	32	53	46	14	30	47	47	30	2	10	20	30	32	0	0	0	60	14·5
8	60	33	47	7	0	57	59	56	25	60	17	47	24	52	2	53	60	43	20	60	60	60	58	12	55	56	55	2	50	0	60	20·8
9	58	46	40	34	0	59	60	47	58	60	60	40	59	60	27	55	52	26	50	40	45	45	55	31	27	45	50	32	60	28	60	23·5
10	35	57	0	14	0	57	60	55	56	53	60	55	58	31	23	40	60	7	32	45	55	48	40	55	7	50	60	3	58	60	60	21·6
11	13	49	33	0	7	30	59	60	57	60	60	60	16	4	10	18	60	35	32	54	60	60	42	35	45	59	54	13	60	60	60	21·1
Noon	35	60	47	30	16	34	60	60	60	42	60	30	55	46	14	13	60	12	35	60	60	60	60	32	45	60	30	47	45	60	60	23·1
13h	0	60	60	31	35	59	60	60	47	0	60	57	59	35	30	29	60	59	8	60	7	60	50	43	60	30	37	55	50	60	60	23·0
14	0	46	60	57	11	60	60	60	0	10	60	30	55	7	3	30	60	12	50	60	36	60	60	60	60	53	45	60	40	60	60	22·1
15	11	0	60	50	5	43	60	60	7	0	60	45	58	56	30	3	43	10	29	60	20	60	60	60	60	34	50	47	58	60	60	21·0
16	16	0	60	28	50	60	60	60	43	0	55	55	13	60	6	3	32	1	0	57	25	60	60	45	17	54	30	45	40	60	60	19·2
17	19	0	60	25	40	17	60	60	25	0	60	31	0	31	1	4	60	0	0	58	45	55	45	32	31	45	33	5	10	60	60	16·2
18	10	0	40	3	31	30	60	46	5	0	46	1	0	0	0	0	47	15	0	45	25	15	32	32	25	3	0	0	3	60	60	10·6
19	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0·4

* Reckoned from *apparent* midnight.

The total registered duration of sunshine during the month was 239·0 hours; the corresponding period during which the sun was above the horizon was 412·3 hours.

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

(*To obtain temperatures in the Absolute Scale add* 273°)

DECEMBER 1916.

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	20·1	19·0	21·0	19·7	22·4	20·0	22·6	20·5	23·8	21·5	23·0	21·9	22·6	21·2	23·1	21·6
1h	20·7	19·6	20·6	19·5	22·3	20·1	23·0	20·4	23·0	21·5	23·0	22·1	22·0	20·7	22·7	21·5
2	20·1	19·1	20·6	19·3	21·8	19·9	22·0	20·7	22·6	21·1	22·6	21·6	21·6	20·5	22·8	21·5
3	20·3	19·4	20·5	19·2	21·6	20·5	21·6	20·5	22·5	20·8	22·0	21·1	21·1	20·1	22·6	21·5
4	20·0	19·1	20·1	19·0	21·2	20·1	21·9	20·7	22·7	21·4	22·0	21·1	21·0	19·9	21·8	20·5
5	19·5	18·5	20·5	19·2	21·0	19·9	21·9	20·7	22·9	21·1	22·0	21·1	21·0	19·8	21·3	20·1
6	20·4	19·3	21·5	20·1	21·7	20·5	21·6	20·5	23·0	21·4	22·1	21·4	21·0	20·0	21·6	20·4
7	22·9	21·4	24·0	21·6	23·0	21·4	22·5	21·5	23·9	21·8	25·0	23·5	25·0	23·1	25·4	22·6
8	25·1	22·4	23·2	21·5	23·9	21·2	24·0	21·2	23·2	22·0	27·1	23·6	26·3	23·0	26·1	22·6
9	26·8	22·1	25·8	21·7	25·7	21·5	26·1	22·0	25·2	23·1	27·9	23·5	28·1	23·0	27·7	23·1
10	26·1	22·1	26·4	21·8	25·8	21·5	26·1	21·7	25·9	23·1	28·7	24·2	29·4	24·3	28·4	23·1
11	25·7	22·6	26·8	21·9	27·1	21·4	26·1	21·8	26·5	23·1	28·2	23·5	29·6	24·5	28·8	22·9
Noon	25·2	22·2	27·1	22·5	27·8	21·5	27·0	21·5	26·8	23·0	28·4	23·8	30·4	24·9	29·2	23·0
13h	24·6	21·7	26·8	22·1	27·7	21·1	27·6	22·1	28·0	23·5	28·8	24·2	30·3	24·5	29·5	22·5
14	25·6	21·6	26·9	21·8	27·4	21·1	28·0	22·2	26·7	23·5	29·1	23·6	30·2	24·2	29·6	22·5
15	26·6	21·5	23·1	21·1	27·3	21·0	26·5	22·1	26·1	24·1	29·1	24·4	29·7	23·9	30·1	23·4
16	26·1	21·3	23·7	21·8	26·8	20·8	26·6	22·1	27·1	23·5	29·6	24·0	30·2	24·0	29·1	22·8
17	25·6	21·6	22·2	20·7	26·0	20·9	26·3	22·2	26·0	22·8	27·5	23·5	28·1	23·5	28·6	22·8
18	25·0	21·6	22·8	21·5	25·0	20·5	25·0	21·8	25·6	22·5	27·0	23·1	28·0	23·4	26·8	22·0
19	23·7	21·1	22·5	20·3	23·8	19·7	24·5	21·5	24·6	22·5	25·8	22·9	26·0	22·5	24·6	21·5
20	22·8	20·8	22·3	20·1	23·0	19·8	24·3	21·7	23·9	22·0	25·0	22·7	24·7	22·3	24·0	21·5
21	22·1	20·6	22·5	20·5	23·1	20·4	23·9	21·5	22·8	21·5	23·9	22·1	24·4	22·2	22·9	21·1
22	21·9	20·5	22·5	20·0	22·0	19·7	23·9	21·6	22·8	21·5	23·9	21·5	24·8	22·5	22·7	20·8
23	21·2	20·0	22·4	20·0	21·3	19·5	23·8	21·5	22·4	21·4	22·9	21·6	23·9	22·1	22·2	20·9

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	22·9	21·2	23·0	21·5	21·5	20·5	21·0	19·5	23·0	19·8	21·0	20·5	21·0	19·7	22·0	20·0
1h	22·3	20·8	22·8	21·5	21·2	20·3	21·1	19·5	23·0	20·1	21·3	20·5	21·1	19·9	21·1	19·6
2	21·8	20·5	22·4	21·5	21·3	20·3	21·9	19·9	21·8	19·8	21·1	20·4	21·0	19·8	21·0	19·5
3	21·6	20·5	22·0	20·7	21·0	19·8	21·1	19·5	21·3	19·3	21·2	19·9	20·6	19·6	20·0	19·4
4	22·0	20·5	21·9	20·6	21·2	20·2	21·1	19·5	21·0	19·5	21·0	19·6	20·2	19·5	20·0	19·3
5	22·3	20·6	21·0	20·0	21·3	20·5	21·0	19·5	20·6	19·6	20·6	19·5	20·1	19·4	20·0	19·1
6	22·9	21·5	21·5	20·5	21·1	20·1	21·8	19·8	22·0	20·0	21·4	19·5	20·9	19·9	20·8	20·1
7	25·0	22·5	24·9	21·7	22·0	20·5	23·0	20·3	23·6	21·1	24·0	21·2	24·0	21·5	24·0	21·4
8	26·1	23·0	26·5	21·5	25·1	22·2	25·1	21·3	25·1	22·0	25·6	22·3	24·6	21·4	25·2	21·5
9	27·4	22·6	27·4	22·0	26·5	22·1	23·8	20·9	26·3	22·0	26·7	22·1	25·7	21·7	26·0	21·5
10	28·7	23·2	28·2	22·5	27·6	22·3	26·1	21·7	26·8	22·0	26·5	21·6	25·3	21·5	26·1	21·5
11	29·1	22·8	28·2	22·5	28·0	22·2	27·1	22·1	26·6	22·1	26·6	22·0	26·0	22·0	25·6	20·7
Noon	29·6	23·0	27·3	22·5	28·1	22·4	25·7	21·7	27·1	22·0	26·6	21·6	26·1	21·0	26·1	20·8
13h	28·8	22·7	25·1	23·5	28·1	22·0	26·1	21·7	27·1	22·0	26·5	22·2	27·0	21·5	26·2	21·6
14	27·7	23·5	26·1	23·0	28·1	21·9	26·1	21·7	26·1	22·0	26·5	22·0	26·1	21·5	26·1	21·0
15	27·1	23·5	23·1	21·8	27·7	21·9	25·1	21·4	26·1	21·9	27·1	21·5	26·2	21·6	25·5	20·5
16	27·1	23·8	22·3	21·2	27·1	21·5	26·0	21·7	25·9	22·2	27·6	22·3	23·7	22·0	26·1	20·9
17	27·0	23·5	23·0	21·7	26·0	20·8	25·0	21·1	24·6	21·6	23·5	21·6	23·6	21·5	25·0	20·4
18	26·0	22·9	23·0	21·5	25·4	20·5	24·6	20·8	24·1	21·4	23·8	21·5	23·1	21·0	24·0	21·1
19	25·5	22·7	23·0	21·9	24·0	20·5	23·9	20·5	23·9	21·2	23·0	21·1	22·1	20·1	23·2	20·5
20	25·0	22·5	22·9	21·7	23·0	20·5	23·6	20·4	22·6	21·5	22·0	20·9	22·3	20·4	23·0	20·5
21	23·4	21·6	21·9	20·8	22·5	20·4	22·9	20·2	22·0	20·5	21·9	20·8	21·9	20·5	21·9	20·2
22	22·8	21·2	21·3	20·5	21·9	20·0	22·8	19·8	22·1	20·5	21·9	20·5	21·6	20·5	20·9	19·8
23	22·1	21·0	21·3	20·5	21·7	19·9	22·5	20·4	21·5	20·5	22·1	21·2	21·6	20·4	20·8	19·5

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

(*To obtain temperatures in the Absolute Scale add 273°*)

DECEMBER 1916.

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	20·6	19·5	22·0	20·5	21·3	20·1	21·3	19·5	22·3	20·4	22·0	20·5	23·2	21·7	23·7	21·7	Midnight
1h	20·8	19·5	21·5	20·4	20·9	19·6	21·1	19·5	22·3	20·1	22·0	20·5	23·0	21·7	24·3	21·9	1h
2	20·2	19·5	21·3	20·0	20·3	19·4	21·2	19·7	22·3	20·1	21·9	20·6	22·8	21·2	23·3	22·0	2
3	20·0	19·3	20·5	19·6	20·3	19·7	21·3	20·1	22·2	20·2	21·3	20·3	22·3	21·2	22·3	21·5	3
4	19·5	19·2	20·3	19·3	20·6	19·6	21·3	19·6	21·3	19·6	21·3	20·2	22·0	21·3	23·0	22·2	4
5	19·0	18·5	21·1	19·7	20·3	19·6	21·1	19·8	21·3	19·6	21·8	20·6	22·2	21·7	23·3	22·1	5
6	19·3	19·1	21·3	20·2	20·8	20·3	21·3	20·3	21·3	20·4	22·2	20·6	22·2	21·6	23·7	22·3	6
7	22·5	21·5	23·6	21·5	21·7	20·6	23·2	21·2	24·2	21·6	23·2	21·2	23·2	22·1	24·4	22·4	7
8	25·1	21·5	25·4	22·0	22·2	21·5	25·4	21·6	24·8	21·5	25·0	22·2	25·2	22·5	25·2	22·5	8
9	26·0	21·5	21·8	21·5	25·2	21·7	25·3	22·2	26·5	21·7	26·2	22·5	26·2	23·0	26·2	22·7	9
10	27·1	21·1	25·2	22·2	24·2	21·6	26·6	22·3	27·0	21·5	26·2	22·0	27·2	22·7	26·8	23·1	10
11	27·1	21·0	27·0	22·2	26·3	21·6	27·2	22·3	27·6	22·1	28·3	22·5	26·9	22·5	25·8	23·1	11
Noon	27·9	21·5	27·3	21·5	26·6	21·6	27·9	22·7	27·9	22·1	28·8	22·1	27·7	22·8	26·3	23·8	Noon
13h	28·4	21·7	28·3	21·5	26·3	21·5	27·9	22·5	26·9	21·9	28·3	22·4	28·0	22·7	25·8	23·1	13h
14	27·4	21·5	27·8	21·5	27·0	21·5	28·2	22·1	27·3	22·2	28·2	22·5	27·4	22·6	27·5	23·4	14
15	27·3	21·6	27·3	21·7	26·3	21·0	27·3	22·1	26·4	20·7	27·8	22·1	27·9	22·5	27·4	23·5	15
16	27·4	20·7	26·3	21·5	25·2	21·2	27·3	21·8	26·7	21·0	28·3	22·1	27·4	22·6	26·9	23·2	16
17	26·9	20·9	25·9	21·6	25·4	21·2	26·3	21·6	26·3	21·5	27·6	22·5	26·3	22·2	24·9	23·1	17
18	26·0	20·8	24·4	21·5	23·1	21·7	25·0	21·4	25·4	21·1	26·4	21·7	25·5	22·2	25·1	22·8	18
19	24·4	20·7	23·1	21·5	22·4	20·5	23·8	20·5	24·4	20·6	25·9	22·2	24·4	22·1	24·4	22·5	19
20	23·4	20·5	22·4	20·5	21·8	20·5	23·1	20·5	23·4	20·5	24·4	22·5	24·4	22·1	24·1	22·4	20
21	23·0	20·8	22·6	20·5	22·3	20·5	23·0	20·5	23·0	20·6	24·2	22·4	23·7	22·2	23·6	22·4	21
22	23·0	21·0	22·3	20·3	21·5	20·5	22·7	20·5	22·7	20·8	23·3	22·1	23·6	22·1	23·3	22·2	22
23	22·2	20·5	21·3	20·1	21·3	20·0	22·4	20·2	22·3	20·6	23·4	22·1	23·5	21·7	23·3	22·4	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	23·7	22·2	24·8	22·1	22·9	20·0	21·3	20·1	22·3	20·4	23·3	21·9	21·9	20·5	22·3	20·6	Midnight
1h	23·8	22·2	24·9	22·1	22·3	20·2	21·3	19·7	23·1	20·5	23·2	21·7	21·5	20·3	22·2	20·6	1h
2	23·4	22·3	24·3	21·9	21·6	20·4	21·3	20·0	23·3	20·2	23·3	21·8	21·3	20·2	21·9	20·5	2
3	23·4	22·0	24·4	21·6	21·7	20·1	20·9	19·6	23·0	20·6	23·3	21·8	21·3	20·4	21·6	20·3	3
4	23·4	21·7	24·3	21·2	21·5	20·0	20·6	19·6	23·3	20·7	23·3	21·8	21·3	20·6	21·5	20·2	4
5	23·5	21·7	24·3	21·3	20·4	19·6	21·0	20·0	23·1	20·8	22·9	21·8	21·9	20·8	21·4	20·2	5
6	23·6	21·7	23·9	21·1	21·3	19·6	20·8	20·2	22·6	20·6	23·0	21·9	22·2	21·1	21·8	20·5	6
7	25·1	22·1	25·5	21·8	24·2	21·4	22·2	20·6	24·2	21·6	23·9	22·2	25·2	22·7	23·8	21·7	7
8	26·2	22·2	26·1	22·3	26·2	21·6	24·2	21·5	25·7	21·9	25·2	22·3	27·0	23·4	25·2	22·0	8
9	26·2	22·5	26·3	22·2	26·4	21·5	25·3	21·5	27·2	21·8	26·7	22·3	28·2	23·5	26·2	22·2	9
10	26·2	23·0	26·6	22·3	27·8	21·6	25·7	21·6	27·6	22·2	28·2	22·6	29·2	23·5	26·9	22·3	10
11	27·5	23·1	27·2	22·0	27·3	21·8	26·7	21·0	28·8	22·6	28·4	22·7	29·5	23·8	27·3	22·3	11
Noon	27·9	23·2	27·3	22·0	27·3	21·8	27·6	21·6	28·9	22·5	29·0	22·2	29·3	23·8	27·6	22·3	Noon
13h	27·8	23·3	27·3	22·1	26·3	21·7	27·9	21·5	28·9	22·7	29·4	22·6	29·5	23·8	27·6	22·4	13h
14	27·8	23·2	27·3	22·1	27·3	20·5	29·0	21·6	29·3	22·6	29·9	22·1	29·5	23·8	27·7	22·3	14
15	26·9	23·3	27·2	21·9	27·3	21·2	27·3	20·8	28·9	22·9	29·3	22·6	28·9	23·5	27·1	22·2	15
16	26·8	22·6	27·3	21·8	26·8	21·3	27·3	21·0	28·3	22·7	28·4	22·1	28·5	23·3	26·9	22·1	16
17	26·3	22·6	26·8	21·6	25·9	21·3	26·2	21·1	27·3	22·7	28·2	21·6	27·8	23·4	26·0	21·9	17
18	25·4	22·4	25·4	21·7	26·1	21·5	25·4	20·6	26·6	22·4	27·4	21·9	27·4	23·1	25·3	21·7	18
19	24·7	22·1	24·9	21·5	23·4	21·2	24·7	20·7	25·6	22·2	25·4	21·5	26·0	22·6	24·2	21·4	19
20	25·0	22·2	24·4	21·5	22·9	21·5	24·1	20·5	25·4	22·3	24·1	21·2	25·7	22·7	23·7	21·3	20
21	24·8	21·6	24·3	20·9	22·0	20·6	23·4	20·5	24·4	22·1	23·0	20·9	25·5	22·7	23·1	21·1	21
22	24·7	21·6	23·8	20·6	21·3	20·5	23·3	20·5	23·7	21·9	22·3	20·5	24·8	22·6	22·7	20·9	22
23	24·6	22·0	23·2	20·5	21·4	20·4	23·2	20·5	23·3	21·9	22·0	20·5	24·8	22·6	22·5	20·9	23

TABLE XI.—NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

DECEMBER 1916.

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	889	908	900	919	900	927	900	927	909	922	908	900	916	893	905	903	Midnight
1h	885	910	896	921	900	920	917	926	915	923	910	900	914	894	910	904	1h
2	886	910	896	920	900	921	918	918	912	918	907	900	915	893	910	907	2
3	900	914	896	921	892	918	911	911	912	919	908	900	914	894	907	905	3
4	895	924	896	920	892	918	903	915	916	916	909	900	916	893	913	909	4
5	895	923	895	921	894	913	903	916	922	922	908	900	909	907	897	917	5
6	896	921	894	925	897	913	904	921	920	920	910	900	908	908	897	913	6
7	904	921	892	930	917	925	914	922	932	921	914	900	909	909	898	912	7
8	930	920	889	939	915	937	908	940	929	871	929	900	920	900	896	919	8
9	928	928	900	955	917	941	918	945	932	900	922	878	927	918	907	916	9
10	914	936	900	949	935	935	921	950	934	907	922	878	931	894	905	926	10
11	918	927	911	957	930	945	918	945	949	900	927	882	939	900	900	930	11
Noon	923	935	911	954	921	951	920	948	943	891	934	877	926	861	907	933	Noon
13h	913	932	921	956	919	947	928	942	960	888	936	876	921	868	909	943	13h
14	917	943	900	951	909	946	939	939	934	877	943	900	931	879	915	937	14
15	929	943	911	959	919	947	918	944	932	907	934	877	933	887	858	872	15
16	909	944	892	929	909	942	929	943	944	900	935	886	934	893	886	864	16
17	915	937	905	938	908	938	928	942	942	891	924	884	920	880	895	877	17
18	907	933	900	926	909	943	923	934	929	894	924	885	918	888	886	921	18
19	904	921	900	931	900	936	925	938	918	900	916	893	911	898	889	926	19
20	904	920	900	926	900	918	924	936	914	900	913	894	912	898	893	915	20
21	900	916	900	927	900	927	917	926	911	900	906	897	914	906	890	923	21
22	900	926	900	928	900	927	923	923	909	900	910	896	910	907	893	916	22
23	900	919	900	923	894	931	908	919	911	900	913	894	910	907	890	923	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	892	918	893	910	890	908	888	918	892	939	903	915	906	928	900	923	Midnight
1h	892	920	894	908	885	910	888	918	900	932	889	928	906	927	900	923	1h
2	890	923	906	915	894	906	888	919	900	920	888	918	900	923	900	921	2
3	892	919	905	912	887	913	888	918	900	924	900	921	900	920	900	915	3
4	889	928	904	910	887	913	889	917	896	918	900	922	900	926	896	921	4
5	892	919	907	916	891	909	886	922	897	916	900	924	900	926	896	921	5
6	888	918	897	915	889	911	882	918	896	918	908	919	900	922	897	917	6
7	900	915	893	917	889	911	885	924	895	922	905	923	900	926	900	926	7
8	891	922	893	916	884	916	888	957	900	938	891	942	900	936	913	934	8
9	900	907	900	915	900	933	889	956	917	941	908	941	908	941	916	939	9
10	922	922	900	920	900	938	900	963	917	942	909	943	890	948	909	945	10
11	912	931	889	926	907	936	875	961	909	946	917	941	909	946	920	948	11
Noon	913	934	866	893	900	947	910	949	911	952	909	945	883	941	910	949	Noon
13h	907	934	915	877	900	944	900	957	918	944	918	943	908	940	920	948	13h
14	865	886	887	887	919	947	900	957	918	945	920	948	914	935	918	943	14
15	873	882	878	900	917	942	911	956	918	945	928	941	908	938	914	934	15
16	872	872	888	898	908	940	900	959	926	939	917	942	924	916	922	933	16
17	882	873	888	898	881	946	900	958	913	934	910	947	914	936	911	927	17
18	893	883	883	900	884	939	882	943	909	943	900	931	908	939	911	926	18
19	896	890	891	904	889	927	885	938	914	936	896	921	900	926	900	921	19
20	889	884	887	909	889	916	900	932	911	926	896	921	900	925	900	920	20
21	889	911	887	913	889	916	900	934	910	925	892	918	900	927	900	921	21
22	887	913	888	909	889	916	900	933	904	921	896	921	895	925	900	919	22
23	887	913	887	909	889	917	900	930	911	926	909	922	895	925	900	917	23

TABLE XI.—(*Contd.*) NORTH and EAST COMPONENTS of the WIND, in metres per second, at every HOUR of the DAY.

(*The results are increased by* 90 *in order to obviate the necessity for signs. The unit in the table is* 0·1 *metre.*)

DECEMBER 1916.

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	897	917	892	920	890	925	892	919	895	924	889	929	906	929	885	938	Midnight
1h	900	916	893	916	891	922	892	919	889	926	887	932	900	926	885	938	1h
2	897	915	892	920	892	919	892	919	883	917	891	921	889	928	885	938	2
3	897	914	892	920	891	921	894	929	881	928	894	915	889	929	891	946	3
4	897	917	890	919	884	924	892	920	889	926	886	922	888	930	883	941	4
5	896	921	892	925	885	915	893	916	890	923	886	922	906	930	900	953	5
6	896	921	893	919	892	918	890	923	888	931	885	934	889	928	900	950	6
7	894	928	886	916	893	917	889	929	887	933	892	924	888	930	900	955	7
8	906	930	900	936	907	933	883	941	900	948	891	939	900	949	900	962	8
9	915	937	892	950	900	944	900	939	900	952	900	945	910	949	900	968	9
10	914	936	918	938	917	941	909	943	900	951	917	949	900	959	900	974	10
11	922	932	917	945	918	943	910	946	900	947	915	943	900	965	900	972	11
Noon	923	934	910	941	910	947	900	947	920	950	883	937	925	960	900	968	Noon
13h	900	938	918	949	917	941	910	954	880	949	917	941	913	963	900	974	13h
14	915	938	909	945	900	945	900	950	911	949	900	943	900	966	900	984	14
15	922	932	917	943	910	947	900	958	900	952	891	946	914	972	930	973	15
16	915	937	907	941	878	932	900	961	900	955	881	944	900	965	929	969	16
17	908	940	900	934	883	941	900	963	891	953	900	946	900	969	900	975	17
18	893	934	883	941	894	931	891	951	900	945	889	944	888	965	900	975	18
19	892	919	894	926	895	925	888	942	894	937	891	928	900	959	900	970	19
20	894	914	894	931	895	926	890	930	890	929	889	921	900	958	912	963	20
21	893	916	887	930	889	928	888	925	889	923	892	926	890	946	900	958	21
22	890	924	894	933	893	917	888	931	887	929	912	941	900	950	900	961	22
23	890	923		928	890	925		931		934		931		953		962	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	910	951	908	940	900	934	886	921	897	917	900	916	900	916	898	921	Midnight
1h	911	956	909	943	900	923	886	921	895	922	900	921	900	917	898	921	1h
2	900	957	910	947	900	918	885	923	888	930	897	917	900	920	897	920	2
3	900	964	909	944	896	921	888	918	889	929	895	924	900	915	897	921	3
4	900	960	911	952	896	920	888	919	891	921	900	925	897	917	897	921	4
5	900	955	908	941	888	918	888	919	892	919	894	928	895	925	896	922	5
6	900	955	908	939	889	928	886	914	890	925	894	929	894	929	898	923	6
7	900	965	919	940	906	929	885	924	893	933	889	928	888	931	902	925	7
8	900	974	912	946	909	943	889	926	900	938	892	941	891	944	906	933	8
9	900	971	900	959	900	936	894	931	908	940	900	944	890	951	909	938	9
10	914	972	913	966	910	949	907	932	913	933	917	942	889	954	913	940	10
11	926	964	900	963	918	943	908	940	914	934	909	942	900	958	908	940	11
Noon	929	971	922	964	917	943	909	937	907	936	900	945	911	955	913	939	Noon
13h	915	974	923	954	900	949	900	942	909	945	917	943	919	946	912	939	13h
14	900	973	923	956	910	948	908	941	914	936	917	943	929	944	912	938	14
15	928	967	906	955	909	946	900	941	915	938	909	943	918	943	910	936	15
16	914	969	900	929	890	949	909	945	912	930	915	938	917	942	905	932	16
17	925	961	910	932	890	950	900	943	907	935	914	934	917	942	904	933	17
18	923	955	900	949	900	945	892	943	912	931	908	937	908	937	899	933	18
19	910	947	900	946	881	928	894	937	909	921	893	936	907	935	899	928	19
20	910	950	900	944	890	914	895	928	906	915	895	924	900	933	899	923	20
21	909	945	900	943	889	917	893	923	905	911	896	918	907	934	898	924	21
22	917	942	900	934	885	915	894	917	906	915	900	915	906	928	898	924	22
23	900	948	893	933	886	922		915	906	915	900	921	905	922		924	23

TABLE XII.—OBSERVED VELOCITY of the WIND (in metres per second) at every HOUR of the DAY, as recorded by the ROBINSON CUP ANEMOMETER, using the factor 2·2.

DECEMBER 1916.

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

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

TABLE XIII.—DIRECTION of the WIND at every HOUR of the DAY during the MONTH of DECEMBER 1916.
(*The days on which the Normal Trade Winds were interrupted are indicated by an asterisk* *).
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	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	Hour. Mauritius Standard Time.
	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	pt.	
Midt.	3	8	8	8	10	16	18	13	6	5	3	5	7	9	9	8	7	6	6	6	7	6	9	6	9	9	8	5	7	8	8	Midt.
1h	3	7	8	11	11	16	18	14	6	5	3	5	8	6	9	8	8	6	6	6	6	6	8	6	9	9	8	5	7	8	8	1h
2	3	7	8	12	11	16	18	13	6	10	4	5	8	5	8	8	7	6	6	6	4	6	6	6	8	9	8	5	6	7	8	2
3	8	7	6	12	11	16	18	13	6	10	4	5	8	8	8	8	7	6	6	7	5	6	6	7	8	9	7	5	6	7	8	3
4	7	7	6	9	12	16	18	13	6	10	4	5	7	8	8	7	7	6	5	6	6	5	6	6	8	9	7	5	6	8	7	4
5	7	7	6	9	12	16	13	7	6	10	4	5	7	8	8	7	7	6	4	6	6	5	9	8	8	9	5	5	6	7	7	5
6	7	7	7	9	12	16	12	7	5	7	4	4	7	10	8	7	7	6	6	6	6	6	6	8	8	9	6	4	6	7	7	6
7	9	7	11	11	13	16	12	7	8	6	4	5	7	9	8	8	7	6	6	6	6	5	6	8	8	9	9	5	7	6	6	7
8	13	7	10	9	20	16	16	7	6	6	4	7	8	7	8	10	9	6	9	6	8	7	8	8	8	10	9	6	8	7	7	8
9	12	7	10	10	16	20	13	10	8	8	8	7	10	9	9	10	10	8	8	8	8	7	9	8	8	9	8	7	9	8	7	9
10	10	8	12	10	15	20	17	9	12	8	8	8	10	9	7	9	10	7	10	8	8	8	8	8	9	8	9	9	10	10	7	10
11	11	8	11	10	16	19	16	8	10	6	9	6	9	10	9	10	11	10	10	9	8	10	8	8	10	9	10	9	10	9	8	11
Noon	11	9	10	10	17	19	21	9	10	†31	8	9	9	9	6	9	11	10	9	9	8	10	10	8	10	8	10	9	9	8	9	Noon
13h	10	9	10	11	17	19	21	9	9	†21	8	8	10	10	9	10	8	9	10	8	10	6	9	8	9	10	8	9	9	10	10	13h
14	10	10	9	12	19	16	19	10†	30	28	10	8	10	10	10	10	10	10	8	9	6	10	8	8	8	10	9	8	10	10	11	14
15	11	8	10	10	15	19	18†	29	29	0	10	9	10	11	9	10	11	9	9	8	9	8	9	10	10	10	9	9	10	9	10	15
16	9	10	9	11	16	18	17	26	28	31	9	8	11	10	13	11	10	10	5	8	8	7	8	10	9	9	7	8	10	10	10	16
17	10	7	9	11	17	19	20	25	27	31	6	8	10	9	10	10	9	9	6	8	8	6	8	8	10	8	7	9	9	10	10	17
18	9	9	9	11	17	19	19§	5	26	0	6	6	9	8	9	10	7	8	7	8	7	8	8	8	10	9	8	8	10	9	9	18
19	9	8	8	11	16	18	17	6	26	2	6	6	10	7	8	3	6	5	7	7	8	6	7	8	9	8	5	7	10	7	9	19
20	9	8	8	11	16	18	17	6	27	3	5	8	10	7	8	8	6	7	7	6	7	6	8	8	9	8	5	7	10	7	8	20
21	8	8	8	11	16	18	14	6§	4	4	5	8	10	6	8	8	6	7	6	6	6	6	8	9	9	8	5	7	10	7	9	21
22	8	8	8	12	16	18	13	6	4	3	5	8	9	7	8	8	6	6	6	6	6	7	7	8	10	8	4	6	10	8	9	22
23	8	8	7	10	16	18	13	6	4	3	5	8	10	10	7	8	6	7	6	6	6	10	8	8	8	7	5	6	10	8	9	23

TABLE XIV.—TEMPERATURE of the SOIL in DEGREES CENTIGRADE at DEPTHS of 9ins, 6ins and 3ins respectively at INTERVALS of three HOURS between 0h. and 21h. during the MONTH of DECEMBER 1916.

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	26·7	26·5	26·3	26·0	25·9	26·0	26·0	26·0	26·2	25·8	25·5	25·1	25·2	25·6	25·8	25·9	25·0	24·2	23·7	23·8	24·6	25·6	26·0	25·3
2	25·9	25·8	25·8	25·1	25·5	25·5	25·7	26·0	25·8	25·4	25·1	24·9	24·8	25·3	25·9	25·8	25·4	24·1	23·6	23·8	24·5	26·5	26·2	25·5
3	26·0	25·9	25·6	25·6	25·4	25·6	25·8	26·1	25·6	25·2	25·0	24·9	24·9	25·6	26·3	26·3	24·8	24·1	23·9	23·9	24·8	27·3	27·4	26·5
4	25·9	26·2	26·0	25·8	25·6	25·7	26·0	26·2	25·8	25·7	25·4	25·2	25·2	25·6	26·2	26·1	25·5	24·7	24·5	24·4	25·1	26·7	27·0	26·0
5	26·2	26·1	26·0	25·7	25·7	25·7	26·0	26·1	25·9	25·7	25·5	25·2	25·3	25·7	26·1	26·2	25·5	24·9	24·6	24·5	25·3	26·5	26·9	26.3
6	26·2	26·1	26·0	25·9	25·8	26·0	26·5	26·7	26·0	25·7	25·6	25·4	25·5	26·3	27·0	26·9	25·5	25·1	24·6	24·8	25 9	28·1	28·5	27·3
7	26·8	26·7	26·6	26·4	26·2	26·3	26·8	27·3	26·7	26·5	26·1	25·8	25·9	26·6	27·6	27·8	26·3	25·7	25·0	25·0	26·2	29·4	29·9	28·8
8	27·5	27·4	27·2	27·0	26·9	26·9	27·5	27·9	27·4	27·2	26·9	26·6	26·6	27·3	28·4	28·4	26·2	26·7	26·0	25·9	27·0	30·2	30·6	29·0
9	28·0	27·8	27·6	27·5	27·3	27·3	27·7	27·9	28·0	27·6	27·2	27·0	27·1	27·6	28·0	28·0	27·7	26·8	26·1	26·2	27·3	29·1	29·0	28·1
10	27·8	27·6	27·5	27·2	27·0	27·3	27·4	27·4	27·6	27·3	27·0	26·6	26·7	26·8	27·2	27·2	26·9	26·2	25·7	25·7	27·4	26·5	26·8	26·6
11	27·3	27·2	27·0	26·6	26·4	26·5	26·9	27·2	26·8	26·4	26·2	25·8	25·9	26·4	27·3	27·4	25·7	25·0	24·7	24·7	25·9	28·2	28·5	27·6
12	27·3	27·2	27·0	26·6	26·5	26·5	26·7	26·8	27·2	26·7	26·4	26·0	26·0	26·3	26·7	26·6	26·6	25·6	25·1	24·9	25·7	26·8	27·0	26·0
13	26·8	26·6	26·5	26·1	26·0	26·0	26·4	26·5	26·3	26·1	25·9	25·6	25·5	26·0	26·4	26·4	25·1	24·8	24·5	24·5	25·5	27·1	27·1	26·4
14	26·7	26·4	26·2	26·0	25·9	26·1	26·5	26·7	26·2	25·8	25·6	25·5	25·5	26·1	26·7	26·8	25·2	24·9	24·4	24·3	26·0	27·2	28·0	26·5
15	26·0	26·5	26·2	25·9	25·6	25·9	26·5	26·7	25·9	26·0	25·4	25·0	25·2	26·2	26·9	26·8	26·1	24·4	23·7	24·0	26·0	28·4	27·9	26·4
16	26·6	26·3	26·0	25·7	25·6	26·0	26·5	26·8	26·3	25·7	25·2	24·9	25·2	26·3	27·0	27·1	25·3	24·1	23·5	24·1	26·1	26·2	28·9	27·0
17	27·0	26·8	26·4	26·0	25·9	26·3	27·6	28·0	26·7	26·2	25·7	25·3	25·6	27·1	28·7	28·6	25 8	24·6	23·8	24·2	26·8	31·2	30·6	28·8
18	28·1	27·7	27·4	26·9	26·6	26·8	27·5	28·0	28·1	27·3	26·7	26·2	26·3	27·2	28·4	28·4	27·6	25·9	25·0	25·2	27·0	30·0	30·3	28·6
19	28·0	27·5	27·1	26·6	26·4	26·5	27·1	27·3	27·8	27·1	26·5	25·9	26·0	26·7	27·6	27·6	26·8	25·3	24·5	24·7	26·7	28·5	28·7	27·4
20	27·6	26·8	26·6	26·2	26·0	26·2	27·1	27·8	27·5	26·2	25·7	25·4	25·6	26·7	28·2	28·5	27·2	24·4	24·0	24·2	26·1	30·3	31·1	29·1
21	28·0	27·5	27·2	26·9	26·6	27·1	27·8	28·2	27·8	27·1	26·6	26·1	26·4	27·6	28·5	28·5	27·1	25·6	24·9	25·1	27·3	30·5	30·2	28·2
22	28·2	27·8	27·5	27·1	26·9	27·2	28·3	28·8	27·9	27·3	26·7	26·3	26·6	27·8	29·4	29·6	27·2	25·7	25·0	25·3	27·0	31·6	32·2	30·7
23	29·0	28·7	28·4	28·0	27·7	27·9	28·6	28·9	29·1	28·5	28·1	27·5	27·5	28·2	29·2	29·2	28·7	27·5	26·8	26·6	27·9	30·4	30·9	29·7
24	28·7	28·5	28·2	27·9	27·5	27·6	28·0	28·5	28·6	28·1	27·7	27·3	27·3	27·7	28·6	28·6	28·0	27·0	26·3	26·2	27·6	29·6	29·9	28·5
25	28·8	27·9	27·6	27·2	27·1	27·3	28·0	28·5	27·0	27·4	27·1	26·7	27·0	27·6	28·7	28·8	27·2	26·2	25·6	25·7	27 9	30·2	30·5	29·3
26	28·6	28·2	27·8	27·6	27·5	27·8	28·4	28 7	28·4	27·8	27·4	27·2	27·2	28·0	29·0	29·0	27·9	26·8	26·2	26·4	27·7	30·2	30·5	29·5
27	28·7	28·5	28·1	27·6	27·3	27·7	28·4	28·8	28·6	28·0	27·4	26·9	27·1	27·9	28·9	28·9	28·0	26·6	25·8	26·0	27·7	30·6	30·8	29·1
28	28·8	28·4	27·9	27·5	27·2	27·4	28·1	28·7	28·6	27·8	27·3	26·9	26·9	27·9	29·0	29·0	27·7	26·2	25·4	25·5	27·1	31·1	31·4	29·3
29	28·7	28·3	28·1	27·8	27·6	28·1	28·8	29·5	28·5	28·1	27·7	27·2	27·3	28·6	29·8	30·0	27·9	26·9	26·4	26·5	28·6	32·1	32·6	31·0
30	29·6	29·3	28·8	28·5	28·4	28·5	29·6	30·1	29·4	28·9	28·5	28·1	28·1	29·0	30·8	30·9	29·2	28·1	27·1	27·2	28·8	32·9	33·4	32·0
31	30·2	29·7	29·3	28·7	28·6	29·0	30·2	30·6	30·2	29·3	28·7	28·1	28·5	29·5	31·2	31·2	29·7	27·8	26·7	27·4	29·7	33·5	33·9	32·2
Mean	27·67	27·37	27·09	26·76	26·61	26·80	27·37	27·77	27·36	26·91	26·51	26·15	26·26	27·01	27·92	27·95	26·73	25·67	25·06	25·19	26·68	29·11	29 44	28·15

§ Direct. † Retrograde.

TABLE XV.—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of DECEMBER 1916.

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.
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Dec. 1d		...	...	6·3	38·0	53·3	...	0·5	4·1	...	2·3	3·8	5·6	...	...	4·0
2		2·4	2·6	3·8	2·5	14·0	2·0	3·6	4·3	24·4	...	3·0	...	...	4·1	6·8
3		1·3	...	5·6	5·8	13·2	13·7	10·1	14·7	5·3	8·1	...	5·8	4·6	9·7	2·0
4		2·0	2·0	4·3	3·8	4·1	4·8	0·8	3·0	...	...	7·4	3·5	6·3	3·6	2·3
5		...	1·0	...	0·5	1·0	3·6	...	3·0	25·4	...	...	0·3	9·4	9·6	9·0
6		2·4	...	5·8	6·4	33·2	20·1	3·3	19·0	...	12·7	11·4	1·8	...	15·5	7·5
7		...	...	1·0	...	1·5	...	...	...	...	...	...	...	...	0·5	25·8
8		...	...	...	...	...	...	...	1·3	...	15·7	...	...	6·1	21·6	...
9		...	4·7	...	...	...	...	...	...	36·8	...	...	...	...	...	...
10		...	2·2	4·3	...	12·4	...	2·5	5·1	...	...	...	18·3	...	4·3	12·0
11		9·0	...	13·7	11·5	70·9	14·5	...	18·8	...	21·9	27·7	17·8	4·6	10·4	7·3
12		...	1·5	..	...	1·0	...	2·8	1·3	...	...	...	4·3	3·0	...	...
13		2·0	2·0	1·3	3·8	4·1	4·3	1·0	2·5	17·8	3·8	...	4·8	1·5	2·0	10·6
14		...	...	0·3	5·1	11·9	22·6	7·4	22·9	...	15·7	13·2	17·3	10·2	25·4	3·0
15		...	0·8	5·6	1·5	2·0	10·2	4·6	6·9	5·1	7·9	5·1	4·0	5·6	10·7	...
16		...	...	...	0·8	1·3	...	...	0·5	...	3·0	1·3	1·8	1·0	...	...
17		...	...	...	...	0·8	...	...	0·5	...	...	4·6	14·2	...	...	...
18		...	2·8	1·3	...	...	...	...	2·0	6·3	4·6	...	...	0·3	6·6	...
19		12·0	...	7·1	5·9	2·8	8·1	3·5	7·7	1·3	5·2	5·8	...	2·5	8·1	...
20		2·9	...	2·5	7·6	2·3	1·0	0·8	2·0	...	4·1	1·0	3·6	1·5	...	...
21		...	...	...	...	...	...	...	...	8·6	...	...	5·3	5·6	...	...
22		1·2	0·5	...	...	0·5	1·5	1·0	2·5	8·4	5·8	...	14·0	5·1	...	4·3
23		3·2	...	4·6	5·1	10·2	15·2	4·8	16·5	...	...	13·5	7·1	3·0	5·3	2·3
24		...	...	4·1	2·8	13·2	...	5·1	5·8	12·7	...	...	6·9	6·6	9·4	...
25		1·9	...	3·3	4·6	7·4	...	0·8	3·1	3·8	13·2	...	13·7	4·6	6·6	...
26		...	...	...	...	2·3	9·2	...	0·3	...	...	...	7·6	3·6	6·9	...
27		...	...	...	0·5	4·3	...	2·5	...	...	...	...	0·8	1·2	...	...
28		...	...	...	2·0	1·8	...	...	...	...	...	...	10·7	2·3	2·0	...
29		5·5	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...
30		...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...
31		...	...	...	...	..	...	...	...	...	...	...	...	...	...	1·2
Total ...	...	45·8	20·1	74·9	108·7	269·5	130·8	55·1	147·8	155·9	124·0	97·8	169·4	88·6	162·3	98·1

* Nouvelle Decouverte Station is on the boundary line of River Systems Nos. 1, 2 and 13. § Record not received. ** Near Church, formerly Post Office.

TABLE XV (*Contd*).—DAILY RAINFALL at 32 SELECTED STATIONS in MAURITIUS during the MONTH of DECEMBER 1916.

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.	Flora.	Labarraque.* §	Beau Bois.	Bel Ombre.	Chamarel.	Clarens. §	Tamarin.	Réunion. §	Mare aux Vacoas.	Salency.	Réduit. §	Alma.	Military Camp.	La Ferme.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
Dec. 1d	...	3·3	1·5		4·5	...	1·0		...		2·3	19·0		4·3		6·9
2	...	5·3	2·5		2·0	1·3	0·2		...		3·8	...		14·0		2·8
3	1·0	1·5	1·8		6·0	...	1·0		...		15·5	5·1		3·0		3·3
4	1·0	15·0	3·8		1·0	...	1·0		...		3·0	...		5·1		1·5
5	...	...	...		...	10·4	3·6		12·7		2·3	...		23·9		1·0
6	...	...	1·3		...	...	15·5		...		6·1	17·8		...		0·3
7	9·0	45·2	...		8·0	...	...		...		...	...		...		...
8	2·0	8·6	5·6		7·0	...	...		...		...	...		...		...
9	...	...	...		...	...	...		...		...	...		1·5		...
10	...	7·6	19·0		...	11·9	2·3		22·1		3·8	10·2		62·4		...
11	10·0	28·4	24·1		27·0	...	2·5		...		75·2	5·1		0·5		6·4
12	1·0	5·1	0·5		1·5	...	...		...		3·3	13·7		12·7		5·8
13	4·0	1·3	3·6		...	13·7	...		...		6·9	...		12·2		3·0
14	10·0	11·2	20·4		6·0	...	...		...		3·0	17·8		5·6		2·5
15	...	4·3	6·3		...	...	...		...		1·8	...		7·4		0·5
16	...	3·6	1·0		3·0	...	3·6		...		6·9	3·0		...		...
17	...	...	0·3		...	...	..		...		2·8	...		3·5		...
18	...	1·3	3·8		...	...	1·0		...		0·5	...		3·6		...
19	4·0	...	6·3		1·0	...	0·8		...		8·2	...		5·1		...
20	1·0	...	1·0		3·0	...	...		4·1		2·0	2·5		2·5		2·0
21	...	9·7	1·3		6·0	...	...		...		5·3	...		0·8		1·0
22	...	7·0	2·5		2·0	...	...		...		1·0	...		12·2		2·8
23	3·0	14·2	10·2		7·0	10·7	...		...		10·4	...		6·6		0·5
24	2·0	10·2	10·2		4·0	...	...		...		10·7	2·5		12·2		...
25	4·0	10·9	11·4		6·0	...	...		...		21·8	...		4·6		0·3
26	2·0	8·4	8·2		5·0	...	...		...		6·3	...		1·3		...
27	...	1·3	3·8		1·0	...	..		...		5·6	...		0·5		...
28	...	1·3	7·6		...	...	...		...		4·6	...		...		...
29	...	...	...		...	0·8	...		9·4		...	...		...		...
30	...	...	...		...	...	...		20·3		...	...		...		...
31	...	...	...		...	...	3·3		...		...	...		...		0·5
Total ...	54·0	204·7	158·0	...	101·0	48·8	35·8	...	68·6	...	213·1	96·7	..	205·5	...	41·1

Observations discontinued temporarily.

* Mill § Record not received.

TABLE XVI.—RAINFALL at every HOUR of the DAY on DAYS of RAIN at two STATIONS in MAURITIUS.
DECEMBER 1916.

Royal Alfred Observatory, Pamplemousses.

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

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

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

TABLE XVII.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS in the MONTH of DECEMBER, 1916 grouped according to the RIVER SYSTEMS as indicated on the CHART.

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	1	Mare Sèche *	20	1·78	45·2	...	13
	2	Union §	200	...	...	...	...
	3	St. Antoine	50	1·81	45·8	89·9	12
	4	Belmont...	50	0·89	22·5	132·1	8
	5	Poudre d'Or	20	1·32	33·5	98·8	9
	6	Poudre d'Or Hospital ...	10	1·17	29·7	79·5	6
	7	Mon Loisir (R)§ ...	300	...	...	...	...
	8	Mon Loisir S.E.* ...	300	1·76	44·7	115·8	15
	9	Forbach §	300	...	30·0	...	8
	10	Labourdonnais	290	0·79	20·1	135·1	10
	11	Beau Séjour	300	2·95	74·9	142·7	17
	12	Mont Piton	860	3·76	95·5	201·9	19
	13	Mon Choix	700	3·18	80·8	196·3	16
	14	Antoinette	640	3·62	91·9	159·0	14
	15	California §	850	6·07	...	...	2
	16	Nouvelle Découverte ...	1,400	10·61	269·5	206·5	24
	17	Mon Songe	620	5·73	145·5	166·4	17
	18	La Grande Rosalie ...	643	4·37	111·0	154·2	16
	19	The Mount	325	5·01	127·3	136·9	13
	20	Botanic Gardens ...	325	4·28	108·7	147·6	19
	21	Beau Plan§	195	...	...	...	...
	22	The Observatory ...	179	2·75	69·7	123·4	21
	23	Solitude *	175	2·69	68·3	...	8
	24	St. André *	90	2·90	73·7	...	5
	25	Belle Vue Harel ...	350	1·83	46·5	73·4	15
	26	Mont Choisy	10	2·84	72·1	74·2	13
	27	Belle Vue (S. Est.) § ...	...	2·77	...	...	16
	28	Rosalie *	...	4·54	115·3	...	14
	29	Constance*	...	4·73	120·1	...	14
	30	Belle Vue Maurel § ...	...	...	...	..	...
	31	Esperance (Trébuchet) *	...	1·91	48·5	...	8
	32	Schœnfeld §	...	...	...	...	...
	33	Industrie *	...	7·82	198·6	...	14
	34	St. François Estate †† ...	...	...	...	...	...
	35	Réunion Estate § ...	...	2·19	...	...	7
	36	Souvenir §	...	...	...	...	...
	37	Mon Rocher *	...	3·48	88·4	...	16
	38	Bon Espoir §	...	...	..	...	...
	39	Ile d'Ambre §	...	...	...	...	...
	40	La Salette §	...	...	...	...	...
	41	Leclézio Mapou * ...	...	2·75	69·8	...	14
2 & 3	1	Union Régnard ...	600	5·15	130·8	135·4	22
	2	La Grande Retraite§ ...	350	...	...	...	...
	3	Constance d'Arifat L.G.	100	2·17	55·1	127·5	17
	4	St. Julien Church* ...	1,050	5·82	147·8	...	23
	5	Rich Fund *	600	5·15	130·8	...	14
	6	Constance (Manès) S.E*	...	3·72	94·5	...	9
	7	Queen Victoria * ...	...	3·31	84·1	...	14
	8	Belle Mare	...	2·33	59·0	71·1	11
	9	Beau Bois (Flacq) § ...	...	...	...	...	...
	10	Bel Etang (Lesur)§ ...	...	...	...	...	...
	11	Bon Espoir §	...	...	...	...	...
	12	Belle Vue (Allendy) § ...	...	3·42	86·9	...	13
4	1	Sans Souci	900	6·14	155·9	254·2	12
	2	Etoile	400	4·88	124·0	201·7	14
	3	Beau Champ §	20	3·85	97·8	72·3	12
	4	Belle Rive *	400	6·88	174·7	...	20
	5	Olivia *	400	6·32	160·5	...	20
	6	Deep River *	350	5·10	129·5	...	10
	7	Unité *	...	6·83	173·5	...	29
	8	Belle Rose Estate * ...	...	3·45	87·6	...	9
	9	La Lucie Estate § ...	...	...	...	...	...
	10	La Lucie (Residence) §...	...	..	...	...	...
	11	Melrose *	...	6·14	156·0	...	18
	12	Bonne Veine *... ...	...	8·74	222·0	...	17
5	1	Rose Belle *	850	6·67	169·4	...	23
	2	Cent Gaulettes ...	500	6·52	165·6	282·2	20
	3	St. Hubert §	400	5·40	137·1	...	18
	4	Riche-en-Eau	460	3·49	88·6	203·8	21
	5	Ferney	20	6·39	162·3	213·9	19
	6	Beau Vallon	60	3·86	98·1	165·4	14
	7	Union Vale	200	4·90	124·4	158·0	10
	8	Mon Désert (Carié) * ...	75	3·12	79·2	112·0	19
	9	Riche Bois §	1,420	...	...	...	...
	10	Cluny	1,000	5·52	140·2	325·1	17
	11	Virginia Estate § ...	...	...	...	...	...
	12	Eau Bleue §	...	...		...	...
	13	Union Park *	...	7·51	190·8	...	24
	14	Plaisance Estate * ..	...	3·30	83·8	...	16
	15	Sauveterre Estate * ...	...	3·90	99·1	...	21
	16	Deux Bras Estate * ...	...	5·76	146·3	...	15

River System.	Register Number	Station.	Approximate Altitude Feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
6	1	Kanaka	2,000	6·31	160·3	228·1	17
	2	Tivoli	1,300	5·67	144·0	261·6	18
	3	La Flora *	1,050	6·22	158·0	...	25
	4	Britannia (No. 1) ...	730	8·06	204·7	236·2	22
	4a	Britannia (No. 2) ...	600	2·53	64·3	...	21
	5	Gros Bois§	500	...	...	...	...
	6	Savannah (Residence) ...	200	2·40	61·0	180·6	9
	7	Savannah (Mill) ...	200	3·18	80·8	169·9	13
	8	St. Aubin	300	2·13	54·0	202·2	14
	9	Union B.A.St.FélixS.E.*	90	5·07	128·8	...	4
	10	Beau Bois	350	3·98	101·0	230·9	19
	11	Labarracq (Resid.) § ...	250	...	...	...	...
	12	St. Avold *	900	7·51	190·8	...	24
	13	Terracine *	100	1·82	46·1	...	14
	14	Labarracq (Mill) § ...	250	...	...	...	...
	15	St. Felix Sugar Estate *.	...	2·32	58·9	...	5
	16	Bel Air *	...	2·86	72·6	...	12
	17	Chamouny §	...	...	...	...	...
	18	Union S.E. *	...	2·83	72·0	...	13
	19	Fontenelle *	...	2·48	63·0	...	8
	20	Combo *	...	3·10	78·7	...	11
	21	St. Felix (Wilson) * ...	...	3·79	96·3	...	12
	22	Joli Bois Estate * ...	...	7·10	180·3	...	12
7 8 & 9	1	Bel Ombre *	50	1·92	48·8	...	6
	2	Chamarel	400	1·41	35·8	128·3	12
	3	Beau Champ *	...	1·52	38·6	...	6
	4	Board *	...	1·26	32·0	...	4
	5	Ste. Marie §	...	...	...	...	...
	6	Médine Estate * ...	...	2·34	59·4	...	9
	7	Albion Estate * ...	...	1·85	47·0	...	5
	8	Anna Estate §	...	2·56	65·0	...	13
	9	Pierre Fond Estate * ...	...	2·03	51·6	...	3
10		No returns.					
11	1	Les Gorges §	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	8·34	211·8	212·1	23
	3	Mare aux Vacoas ...	1,850	8·39	213·1	304·3	25
	4	La Marie Filter Bed* ...	1,700	4·19	106·4	193·3	26
	5	Réunion §	1,420	...	...	...	...
	6	Tamarin *	150	2·70	68·6	...	5
	7	Clarens§	150	...	...	...	...
	8	Les Salines (B.R.)* ...	...	3·44	87·4	...	14
	9	Terrain Bonnefin † * ...	...	5·95	151·1	...	27
	10	Chebel Estate §	...	...	...	...	...
12	1	The Manse	850	3·80	96·5	157·5	20
	2	The Bower	1,080	5·61	142·2	179·3	22
	3	Le Réduit (D. of A.) §...	1,000	...	...	...	...
	4	Alma	1,460	8·09	205·5	264·4	23
	5	Minissy *	1,150	6·22	158·0	...	12
	6	Bagatelle	1,250	6·17	156·9	216·2	22
	7	Highlands *	1,300	6·69	169·9	...	19
	8	Trianon §	950	4·04	102·6	169·7	17
	9	Salency	923	3·81	96·7	151·9	10
	10	Military Camp (1) ...	1,370	...	...	...	...
	11	La Ferme *	350	1·62	41·1	...	17
	12	Bon Air *	1,050	4·63	117·6	...	12
	13	Val Ory *	1,100	5·34	135·6	...	27
	14	Pieter Both Estate * ...	...	8·44	214·4	...	8
	15	Roslyn Cottage Estate §	...	...	...	...	...
	16	Agrément Estate * ...	...	8·34	211·8	...	14
	17	Circonstance Estate * ...	...	8·53	216·7	...	9
	18	Le Réduit Grounds * ...	...	6·47	164·3	...	21
	19	Stanley *	...	4·47	113·5	...	16
	20	Ebène §	...	4·37	111·0	...	11
	21	Mon Rêve §	...	5·22	132·6	...	10
	22	Bégа §	...	3·84	97·5	...	9
	23	Bassin *...	...	2·10	53·3	...	5
	24	Hermitage *	...	7·71	195·8	...	20
	25	Côte d'Or §	...	5·22	132·6	...	15
	26	Mon Repos *	...	2·28	57·9	...	10
13	1	Salines (R.B.) § ...	10	...	...	...	...
	2	The Albion Dock ...	18	1·94	49·3	93·0	9
	3	Line Barracks (1) ...	10	...	...	...	...

* Normals not available
†† Parcelled out
† A station at Mare aux Vacoas Reservoir
(1) Discontinued temporarily.
‡ Casela
§ Record not received
4 a Bon Accueil.

TABLE XVIII.—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 1916.	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	mod. N.N.W.	heavy	calm	calm	calm	calm	light	calm
2	light N.	mod.	...	,,	,,	,,	,,	light
3	...	,,	calm	...	light	,,	,,	calm
4	calm	calm	,,	calm	calm	,,	calm	,,
5	,,	,,	,,	,,	...	,,	light	light
6	,,	mod.	,,	,,	...	,,	,,	calm
7	,,	calm	,,	,,	...	,,	calm	,,
8	,,	,,	,,	,,	...	,,	,,	,,
9	,,	,,	,,	,,	...	,,	,,	,,
10	,,	,,	,,	,,	...	,,	,,	,,
11	,,	,,	,,	,,	...	,,	,,	,,
12	,,	,,	,,	,,	,,	,,	,,	,,
13	,,	,,	,,	,,	,,	,,	,,	,,
14	,,	,,	,,	,,	,,	,,	,,	,,
15	,,	,,	,,	,,	,,	,,	,,	,,
16	,,	,,	,,	,,	,,	,,	,,	,,
17	,,	,,	,,	,,	,,	,,	,,	,,
18	,,	,,	,,	,,	,,	,,	,,	,,
19	,,	,,	,,	,,	,,	,,	,,	,,
20	,,	,,	,,	,,	,,	,,	,,	,,
21	,,	,,	light	,,	,,	,,	light	light
22	,,	,,	,,	,,	,,	,,	calm	,,
23	,,	,,	mod.	,,	,,	,,	,,	,,
24	,,	...	heavy	,,	,,	,,	,,	,,
25	,,	...	mod.	,,	mod.	,,	light	,,
26	heavy N.E.	heavy	light	,,	calm	,,	calm	,,
27	...	mod.	calm	,,	,,	,,	,,	,,
28	light	,,	,,	,,	,,	,,	light	,,
29	,,	,,	...	,,	,,	,,	calm	,,
30	calm	calm	calm	,,	,,	,,	light	,,
31	...	,,	,,	,,	mod.	,,	calm	calm

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

(*Altitude* 135 *feet above sea level.*)

Day 1916.	Barometric Pressure at 9 a.m. (corrected for Temperature and reduced to L 45°.)	Wind. Direction at 9 a.m.	Wind. Mean Wind Velocity.	Amount of Rain measured at 9. a.m.	Weather.
	mbs.		met p. sec	mm.	
Dec. 1	1012·9	E.N.E.	6·7	0·0	fine
2	1012·1	E.N.E.	5·4	1·3	,,
3	1011·5	E.N.E.	7·6	0·0	,,
4	1010·5	E.N.E.	8·1	0·0	,,
5	1005·7	E.N.E.	6·7	0·0	,,
6	...	...	...	...	.....
7	1007·2	N.E.	3·6	0·5	fine.
8	1010·3	E.N.E.	5·4	0·0	,,
9	1010·3	E.N.E.	3·6	2·0	,,
10	1009·8	E.S.E.	3·6	0·0	cloudy with occ. rain
11	1006·4	E.	3·6	0·0	overcast with occ. rain.
12	1008·4	E.	4·1	2·8	fine.
13	1010·1	E.b.S.	5·8	5·1	,,
14	1011·1	E.	7·2	2·0	,,
15	1012·4	E.	3·6	0·0	,,
16	1010·8	E.N.E.	5·4	1·3	cloudy with occ. rain.
17	1011·1	N.E.	5·0	6·1	,,
18	1010·2	E.b.N	5·0	0·0	fine.
19	1011·0	E.S.E.	5·0	3·3	var. & show f. at times
20	1008·9	E.S.E.	5·9	1·3	c.
21	1008·0	E.	5·0	1·8	fine.
22	1005·8	E.N.E.	6·7	0·5	var. & show.
23	1005·8	E.S.E.	9·1	0·0	fine.
24	1007·9	E.	10·3	0·0	,,
25	1009·7	E.	10·0	0·0	cloudy with occ. rain.
26	1010·3	E.N.E.	7·3	0·0	,,
27	1008·4	E.	5·4	0·0	fine.
28	1008·4	N.N.E.	5·8	0·5	,,
29	1009·6	E.	4·5	0·0	,,
30	1010·2	E.S.E.	3·6	0·0	cloudy.
31	1012·2	E.S.E.	6·7	7·9	overcast.
Mean	1009·6	...	5·8	36·4	.....

ADOPTED MONTHLY and YEARLY NORMALS of the METEOROLOGICAL ELEMENTS and EXTREME VALUES.

Month.	Atmospheric Pressure.	Temperature of the Air (Cent). Highest.	Lowest.	Absolute Range.	Mean of the Daily Maxima.	Mean of the Daily Minima.	Mean of the Daily Ranges.	Mean.	Temperature of Evaporation.	Temperature of the Dew Point.	Degree of Humidity (Saturation =100).	Elastic Force of Vapour.	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Mean Daily Amount of Evaporation.
	millibars	°	°	°	°	°	°	°	°	°		mbs.	mm.	mins.	mm.
January ...	1005·54	33·9	18·2	11·7	29·9	22·6	7·3	26·0	23·1	21·2	76·0	24·9	197·1	2101	5·9
February ...	1004·55	32·8	17·7	11·2	29·7	22·8	6·9	25·8	23·5	21·8	79·3	25·9	213·3	2124	5·3
March ...	1005·60	32·2	17·4	10·9	28·8	22·3	6·5	25·3	23·1	21·6	80·3	25·5	238·1	2717	4·5
April ...	1007·53	30·5	16·2	12·1	27·7	21·1	6·6	24·1	21·8	20·2	79·4	23·4	113·5	1541	4·2
May ...	1009·87	29·2	12·9	13·1	26·1	19·0	7·1	22·3	19·9	18·2	77·7	20·7	77·0	1328	3·7
June ...	1012·47	28·3	10·3	12·4	24·5	17·1	7·4	20·6	18·1	16·2	76·3	18·2	71·0	1411	3·2
July ...	1013·83	26·8	10·7	12·5	23·9	16·4	7·5	19·9	17·2	15·3	75·4	17·2	63·3	1461	3·4
August ...	1013·96	26·8	10·5	13·2	24·1	16·4	7·7	20·0	17·2	15·0	73·6	16·9	59·8	1461	4·0
September ...	1013·60	28·3	10·5	13·4	25·3	17·0	8·3	20·9	17·8	15·4	71·7	17·3	33·1	867	4·7
October ...	1011·69	31·0	12·6	14·3	27·1	18·1	9·0	22·2	18·9	16·4	69·7	18·5	35·1	848	5·7
November ...	1009·60	32·8	13·9	14·5	28·7	19·6	9·1	23·9	20·3	17·8	68·8	20·2	40·2	744	6·7
December ...	1007·53	34·8	16·5	12·8	29·8	21·7	8·1	25·4	22·1	19·9	72·0	23·0	120·1	1330	6·4
Year ...	1009·65	...	...	20·5	27·1	19·5	7·6	23·0	20·2	18·2	75·0	20·7	Sum 1261·6	hrs. 298·9	4·8
Maximum ...	1023·1 June 20 1877	34·8 Dec. 23 1900	...	24·4 1900	32·2 Jan. 1900	...	15·4 Aug. 12 1902	23·9 1875	28·5 Dec. 21 1913	27·5 Mar. 6 1915	99·8 July 12 1910	36.3 Mar. 6 1905	490·7 mm. during 24 hours ending Feb. 20d. 13h. 1896.		12·7 Jan. 3 1912
Minimum ...	938·7 April 29 1892	...	10·3 June 10 1894	18·8 1916	...	...	1·1 June 14 1891	22·4 1893	9·4 June 10 1894	8·2 June 10 1894	33·0 Oct 21 1915	10·8 June 10 1894	...		0·2 Feb. 24 1912
Column	1	2	3	4	5	6	7	8	10	11	12	13	14	15	16

Month.	Temperature on the grass. Mean of the Daily Minima.	Temperature of the Soil. (Cent.) Feet 10.	Feet 5.	ins. 9.	ins. 6.	ins. 3.	Mean Amount of Cloud (0—10).	Daily Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. North Component.	East Component.	Resultant. Direction.	Velocity.	Recorded. Velocity.	Number of Days of. Rain.	Thunderstorms.	Lightning.
	°	°	°	°	°	°		hrs.		mt. p. s.	mt. p. s.		mt. p. s.	mt. p. s.			
January ...	20·4	24·81	26·45	29·12	28·92	28·88	6·2	7·70	58·5	—0·12	+2·50	87·2	2·50	3·50	18·9	4·2	2·0
February ...	20·5	25·09	26·92	29·20	29·15	29·16	6·0	7·41	58·3	—0·31	+2·24	82·1	2·26	3·41	18·4	3·7	2·0
March ...	20·0	25·33	27·15	28·87	28·77	28·96	6·0	6·95	56·8	—0·60	+2·38	75·8	2·45	3·35	21·4	4·6	1·7
April ...	18·3	25·49	26·94	27·78	27·62	27·69	5·1	7·68	66·1	—0·97	+2·64	70·9	2·81	3·30	18·1	2·8	1·4
May ...	15·7	25·54	26·34	25·24	24·94	24·92	4·6	7·57	67·9	—1·29	+2·52	62·9	2·83	3·33	14·9	1·2	0·4
June ...	13·5	25·45	25·43	23·35	22·96	22·92	4·8	7·45	68·3	—1·45	+2·62	61·0	3·00	3·52	15·6	0·1	0·1
July ...	13·0	25·17	24·44	21·92	21·55	21·52	4·9	7·73	70·0	—1·49	+3·03	63·8	3·38	3·77	19·7	0·0	0·0
August ...	13·1	24·84	23·83	21·95	21·65	21·74	5·0	7·69	67·8	—1·40	+3·20	66·4	3·49	3·90	19·6	0·1	0·0
September ...	13·7	24·57	23·79	23·34	23·16	23·35	5·1	8·08	67·7	—1·04	+3·07	71·3	3·25	3·79	15·4	0·1	0·0
October ...	14·9	24·41	24·13	25·56	25·37	25·74	5·0	8·21	65·7	—0·60	+2·44	76·2	2·51	3·56	14·2	0·2	0·1
November ...	16·5	24·42	24·84	27·40	27·22	27·51	4·9	8·79	67·5	—0·25	+2·63	84·6	2·64	3·42	12·2	0·7	0·4
December ...	19·1	24·60	25·73	28·38	28·22	28·13	5·4	8·30	62·2	—0·10	+2·60	87·8	2·60	3·46	16·0	2·4	1·2
Year ...	16·6	24·98	25·50	26·01	25·79	25·88	5·2	7·80	64·6	—0·80	+2·66	73·2	2·78	3·53	204·4	20·1	9·3
Maximum ...	...	26·6 May 13 1898	28·2 Feb. 13 1892	Normals at 9ins, 6ins and 3ins are the means of 1915 & 1916.			...	12·5 Dec. 9 1889	99 Aug 2 1910	...	...	33·9 m.p.s. for 1 hour: 39·7 m.p.s. for 5 mins.		On April. 29 1892	31 Jan. 1905	19 Jan. 1898	16 Mar. 1916
Minimum ...	6·6 on 19 May 1911	23·9 Oct. 27 & 28 1906	22·7 Aug. 13 1908	0	0	0	...	...	...	...	...	...			3 Aug. 1907	0	0
Column	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

MONTHLY and YEARLY MEANS and EXTREMES of the METEOROLOGICAL ELEMENTS for the YEAR 1916.

Month 1916.	Atmospheric Pressure.	Temperature of the Air (Cent). Highest.	Lowest.	Absolute Range.	Mean of the Daily Maxima.	Mean of the Daily Minima.	Mean of the Daily Range	Mean.	Temperature of Evaporation.	Temperature of the Dew Point.	Degree of Humidity (Saturation. =100).	Elastic Force of Vapour.	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Mean Daily Amount of Evaporation.
	milibars	°	°	°	°	°	°	°		°		mbs.	mm.	mins.	mm.
January ...	1004·1	30·7	20·7	10·0	28·8	23·0	5·8	25·4	23·3	21·8	80·3	25·8	288·7	2490	4·7
February ...	1002·9	30·7	19·0	11·7	29·3	22·3	7·0	25·6	23·0	21·3	77·1	25·1	105·7	640	6·0
March ...	1005·3	30·9	18·5	12·4	29·4	21·8	7·6	25·3	23·1	21.5	79·5	25·4	179·5	535	4·7
April ...	1006·3	29·8	17·0	12·8	27·9	20·6	7·3	23·9	22·1	20·7	82·3	24·2	141·6	1880	4·1
May ..	1005·9	27·4	17·6	9·8	25·6	20·3	5·3	22·6	20·6	19·1	80.6	22.0	190·2	3065	3·9
June ...	1010.9	26·0	14·9	11·1	24·1	17·9	6·2	20·7	18·5	16·8	78·5	19·0	45·6	1200	3·3
July ...	1013·0	24·6	12·5	12·1	22·9	14·9	8·0	18·8	15·8	13·3	70·6	15·2	19·0	365	3·7
August ...	1013·1	25·8	12·3	13·5	24·0	16·4	7·6	19·8	17·1	15·0	74·1	17·0	27·9	620	3·6
September ...	1013·0	26·5	14·4	12·1	24·3	17·7	6·6	20·6	17·9	15·7	74·2	17·8	66·1	1295	4·7
October ...	1011·5	27·9	16·3	11·6	25·7	18·2	7·5	21·6	18·7	16·5	72·7	18·6	96·3	1240	5·3
November ...	1009·3	29·4	13.8	15·6	27·7	19·2	8.5	23·2	19·9	17·4	70·1	19·8	33·9	430	6.1
December ...	1006·7	31·1	18·3	12·8	28·6	21·0	7·6	24·4	21·4	19·2	72·9	22·1	69·7	740	6·0
Year ...	1008·5	...	...	18·8	26·5	19·4	7·1	22·7	20·1	18·2	76·1	21·0	Sum 1264·2	hrs. 241·7	4.7
Maximum ...	1018·8 July 30	31·1 Dec. 7	...	15·6 Nov.	29·4 March	...	13·2 Nov. 1	...	27·0 Feb. 13	25·6 Feb. 13	99·5 Mar. 10	32·5 Feb. 13	mm. 111·4 during the 24 hours ending Jan. $10^{d}\cdot18^{h}$.		10·2 Feb. 26
Minimum ...	981·8 May 27	...	12·3 Aug. 12	9·8 May	...	14·9 July	2·1 June 1	...	11·2 July 4	9·0 July 18	42·6 Oct. 31	11·4 July 18	...	...	0.3 Mar. 23
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Month 1916.	Temperature on the grass. Mean of the Daily Minima.	Temperature of the Soil (Cent). Feet 10.	Feet 5.	ins 9.	ins 6.	ins 3.	Mean Amount of Cloud (0—10).	Daily Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. North Component.	East Component.	Resultant. Direction.	Velocity.	Recorded Velocity.	Number of Days of. Rain.	Thunderstorms.	Lightning.
	°	°	°	°	°	°		hrs.		mt.p.s.							
January ...	21·1	25·29	26·81	28·12	27·96	27·93	7·7	5·86	44·6	+0·50	+2·62	100·8	2·67	4·09	27	3	3
February ...	20·0	25·56	27·06	29·06	29·03	29·16	5·1	9·25	72·7	−0·66	+2·99	67·5	3·06	3·52	18	0	0
March ...	19·4	25·83	27·30	28·69	28·60	28·79	4·5	8·27	67·9	−0·50	+1·98	75·8	2·04	2·63	16	0	16
April ...	18·2	25·91	27·38	27·44	27·22	27·22	5·3	6·58	56·7	−0·37	+1·61	77·0	1·65	2·34	17	1	3
May ...	17·9	25·77	26·66	24·79	24·48	24·38	6·6	6·09	54·8	−1·74	+2·91	59·1	3·39	4·45	20	0	2
June ...	15·0	25·60	25·67	23·06	22·70	22·61	4·9	7·45	68·3	−1·61	+3·34	64·3	3·71	3·89	18	0	0
July ...	10·8	25·36	24·57	21·28	20·88	20·76	5·1	7·47	67·9	−2·12	+2·60	50·8	3·35	3·71	14	0	0
August ...	13·5	25·11	23·80	21·70	21·42	21·38	5·9	7·03	61·6	−1·37	+3·04	65·7	3·33	3·76	18	0	0
September ...	15·3	24·76	23·68	22·55	22·33	22 32	6·4	7·47	62·5	−1·23	+4·50	74·7	4·66	4·84	22	0	0
October ...	15·4	24·59	23·94	24·02	23·84	23·93	5·8	8·60	68·7	−0·51	+3 53	81·8	3·57	3·92	24	0	1
November ...	15·9	24·56	24·54	26·01	25·83	26·00	5·4	8·86	68·1	+0·05	+2·93	90·9	2·93	3·24	17	0	0
December ...	18·5	24·69	25·28	27·17	27·02	27·02	6·6	7·71	58·0	+0·25	+2·90	94·3	2·91	3·43	21	0	1
Year ...	16·7	25·25	25·56	25·32	25·11	25·12	5·8	7·55	62·6	−0·78	+2·91	75·0	3·01	3·65	...	...	...
Maximum ...	...	26·1 March 24·30	27·5 April 18 & 19	31·5 Feb. $12^{d}\cdot0^{h}$	31·7 Feb. $17^{d}\cdot18^{h}$	35·4 Feb. $11^{d}\cdot18^{h}$	...	12·2 Dec. 7	91·7 Dec. 7	...	...	...	...	18·6 May 26	27 Jan.	3 Jan.	16 Mch.
Minimum ...	7·8 July 27	24·4 Nov. 1 & 2	23·6 often Aug. Sept.	20·1 Aug $1^{d}\cdot15^{h}$	19·2 July $27^{d}\cdot9^{h}$	17·2 July $27^{d}\cdot9^{h}$	...	...	...	...	...	...	...	...	14 July	0	0
Column ...	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Inspection of Rodrigues Station and results of observations for determination of Magnetic Elements.

The second order station at Rodrigues was inspected from the 7th to 15th of November. The mounting and index errors of the various instruments were verified.

The height of the cistern of the barometer above sea level was found to be 135 feet.

Observations for the determination of Magnetic Declination, Horizontal Force and Dip were made on a small plateau near the Observatory hut with the results set forth in the following tables.

The observations were all made on the same stand at a height of 4 feet above the surface of the soil. The exact position of the stand was marked by means of a small block of cement which can easily be removed in the event of further determinations being made on the same site.

A meridian mark was placed on the wall of the Observatory hut, in order that a large number of observations of magnetic declination could be secured independently of the sun for azimuth determinations at each observation.

The azimuth of this mark was determined from 7 complete observations of the sun on November 9th, and 6 on November 13th using the Kew Declinometer as a theodolite, and was supplemented by a.m. and p.m. observations with a survey theodolite on the latter date. The results of these determinations are given in the following table :—

Azimuth of mark on Observatory Hut (West of South).

With Kew Declinometer.				With Survey Theodolite.	
Date November 9.		November 13.		November 13.	
No of Observation.	Azimuth of Mark.	No. of Observation.	Azimuth of Mark.	No. of Observation.	Azimuth of Mark.
1	76°.20′·7	1	76°.21′·9	A.M. 1	76°.20′·5
2	21·8	2	21·6	2	21·7
3	21·6	3	21·4	P.M. 1	21·1
4	20·8	4	21·4	2	20·9
5	21·7	5	21·8		
6	21·5	6	21·6		
7	20·9				
Mean	76.21.3	.....	76.21·6	.....	76.20·7

The adopted Azimuth of the mark (West of South was 76°.21′·3).

Payne

DETERMINATION OF MAGNETIC ELEMENTS AT RODRIGUES 1916.

MAGNETIC DECLINATION (WEST)

Day and Hour.		Reading of.		Magnetic Declination. (West)
		Astron : Meridian.	Magnetic Meridian.	
November	d. h. m. 9. 6.24	° ′ 42.54·3	° ′ 32.37·8	° ′ 10.16·5
	12.15	56·2	44·6	11·6
	22.12	58·5	46·3	12·2
	23.01	59·0	47·2	11·8
	10. 8.13	43. 0·8	45·9	14·9
	10.36	1·7	51·4	10·3
	11.12	1·7	52·9	8·8
Mean		...	...	10.12·3

MAGNETIC HORIZONTAL FORCE (C.G.S. UNITS).

Day and Hour.		Moment of Magnet (*m*).	Value of Horizontal Magnetic Force.
November	d. h. m. 9. 8.09	762·13	0·23863
	8.40	762·94	·23888
	10.48	762·71	·23887
	11.19	762·17	·23870
	11.11.40	763·06	·23902
	12.01	762·57	·23887
Mean		762·60	0·23883

MAGNETIC DIP, VERTICAL FORCE AND TOTAL FORCE.

Day and Hour.		Observed Dip.	Horizontal Force at Observation (C. G. S. Units.)	Deduced	
				Vertical Force (C.G.S. Units).	Total Force (C.G.S. Unit).
November	d. h. m. 10.22.37	° ′ 51.55·1		0·30461	
	11. 6.16	55·8	0·23870	474	
	11. 8.24	54·1		445	
Mean		51.55·0	0·23870	0·30460	0·38699

Walker