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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY, 1936

N. R. McCURDY, B.Sc., F.R. Met. Soc.

Director

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PREFACE

Beginning with the year 1916 metric units have been employed in the work and publications of the Royal Alfred Observatory.

The tables in the Monthly Bulletin have been made as nearly as possible self explanatory but the following further details should be noted.

(i) All hourly values, with the exceptions of those of wind velocity, rainfall and sunshine, refer to instantaneous readings at the exact hour. The hourly values of wind velocity give the run of the wind for one hour centred at the hour denoted; the hourly values of sunshine give the total amount of sunshine during one hour ending at the hour denoted, the hours being reckoned from apparent midnight; the hourly values of rainfall give the total rainfall during one hour ending at the hour denoted.

(ii) All times refer to the Civil Day counting from 0^h to 24^h. (midnight) in Mauritius Standard Time, 4 hours fast on Greenwich Mean Time, with the exceptions of (a) sunshine, as noted in (i), (b) the table of Mean Monthly Atmospheric Potential Gradient which appears in the December bulletin and in which Greenwich Mean Time is used.

(iii) In Table I—Daily Results of Magnetical Observations. The values of Declination, Horizontal Force and Vertical Force are derived from the hourly measures of the self-recording magnetometers by the formula:

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

From January 1936 the numerical magnetic character for each day is given in this table in columns 7 and 8 in the form $^{HR}{}_{H}$: 10,000 and $^{ZR}{}_{Z}$: 10,000.

(iv) Tables IV and V—Hourly Values of Magnetic Horizontal Force and Vertical Force. No corrections are applied for the diurnal variation of temperature in the magnetic basement. The range during one day seldom exceeds 0.2° C.

(v) Table VI—Meteorological Observations at the Aerological Station, Vacoas. The values of wind direction and velocity are obtained from a Dines Anemobiagraph, the height of the vane above the ground being 75 feet. The temperatures given in columns 10–16 are obtained from autographic records.

The normal values of the meteorological elements now used in this table are derived from the observations taken over a period of 10 years, 1926–1935.

(vi) Table VII—Daily results of Meteorological Observations. The values given in columns 1, 6, 8 and 21 are derived from hourly values of the self-recording instruments by the formula indicated in (iii).

The mean temperature of the dew-point, the relative humidity and the vapour pressure in columns 9, 11 and 13 respectively are derived from the mean daily temperature of the air and of evaporation, by means of tables based on Glaishers' Hygrometrical tables and are not the means of twenty-four hourly values.

The amount of rainfall in column 15 refers to the Civil Day counting from 0^h to 24^h. It is measured with a Beckley self-recording gauge; diameter of rim 11.283 inches, height above ground 23 inches and situated 50 yards to the south-east of the main building.

The amount of evaporation in column 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 depth. The amount of water in the vessel is measured at 12h. and is recorded on the day on which it is measured. The evaporation therefore is that obtained during the 24 hours interval beginning at 12h. on the previous day. In the column for weather the colons divide the day into intervals of three hours or multiples of three hours. From January 1934 the abbreviations used have the usual significations of Beaufort letters as given in the "Observers Handbook" 1926.

The normal values of the meteorological elements used in Table VII are derived from a discussion of the observations for different periods ending with December 1930, as given below :—

Pressure	—Atmospheric	1875—1930
Temperature	—Shade	1876—1930
	—Evaporation	1891—1930
	—Dew Point	1891—1930
	—Minimum on Grass	1883—1930
	—Earth at 10 feet	1891—1930
	—Earth at 5 feet	1891—1930
	—Mean monthly maximum & minimum	1891—1930
Humidity	—Relative	1891—1930
Rainfall (Beckley Gauge)	—Amount of	1888—1930
	—Duration of	1888—1930
Evaporation	—Amount of	1888—1930
Sunshine	—Duration of Bright	1887—1930
	—Percentage of possible	1887—1930
Cloud	—Amount of	1879—1930
Wind	—Velocity	1876—1930

The "Day Temperatures" refer to the hours 07 o 18 and the "Night Temperatures" to the hours 19 to 06.

(vii) Table XII—Direction and Velocity of the Wind. The values of wind velocity are taken from the readings of a Robinson cup anemometer, the height of the cups being 51 feet above the ground level using the factor 2·2, but an arbitrary correction has been and is still applied to low velocities. The correction varies from 0·1 m.p.s. at 4·3 m.p.s. to 0·6 m.p.s. at 0·0 m.p.s.; thus a calm is never recorded.

Beginning with January 1929 the values of wind direction in points of the compass in this table and in degrees in Table VI, column 7, refer to—

North =	32	East = 08	South = 16	West = 24 points
	360°	90°	180°	270° degrees

This also applies to Table XVI, Direction and Velocity of Clouds.

(viii) Table XIII—Frequencies of Winds. The practice of publishing hourly values of the North and East Wind Components, which appeared in previous years as Table XII, has been discontinued, tables of the frequencies of wind directions and forces being substituted, commencing with January 1934.

(ix) Table XIVB.—Rainfall at every hour of the day at the Aerological Station, Vacoas. A new recording raingauge by Casella was brought into use on 7.6.35 and this table gives the hourly rainfall. Details of the instrument are given in the Annual Report for 1935, para. 5.

(x) Table XV—Total monthly rainfall at various stations. The rainfall at the stations in this table is measured daily at about 9 a.m. and the amount entered to the day on which it is measured. The records are printed as received and the Observatory takes no responsibiliy for the figures, though on the whole they appear to be accurate.

The normal values in this table are derived from varying periods ending with 1930. For the Observatory they include the years 1871–1930 though the record for the exposure is strictly continuous only from 1888–1930 with the Beckley Gauge. From 1871–1874 the observations were taken at a site about 1½ miles from that of the Beckley Gauge, and from 1875–1887 they were taken at the Observatory with a Glaisher Gauge; diameter of rim 8 inches, height above ground 10 inches and situated 32 yards to the north of the main building. A recent comparison has shewn that owing to being in an inferior exposure the rainfall recorded by the Glaisher Gauge is in the mean 1% less than that recorded by the Beckley Gauge, the percentage difference varying during the year between 0·6% and 2.7%.

For the stations marked with an asterisk a day with 0.1mm. is a rain day, for the others the unit is 0·01 in.

(xi) Accounts of the tropical cyclones which occur in the Southern Indian Ocean are published every year, and observations of upper winds made with pilot balloons are published as opportunity offers, both in the Miscellaneous Publications of the Royal Alfred Observatory.

N. R. McCURDY,
Director.

January 1936.

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF JANUARY 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Un)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HR: 10000	ZR: 10000
JAN.	° ′			′				
1	13°05·9	.22526	.29713	8·3	37	15	83	44
2	04·8	524	714	9·0	20	21	45	63
3	04·9	530	707	8·2	24	35	54	104
4	05·0	538	...	5·8	37	...	83	...
5	04·8	533	707	7·2	20	26	45	77
6	05·4	533	710	5·5	40	22	90	65
7	05·0	537	711	6·2	23	11	52	33
8	06·2	532	710	12·0	79	25	178	74
9	05·9	520	710	10·7	21	22	47	65
10	06·5	518	714	13·0	44	18	99	54
11	05·8	522	711	10·0	35	21	79	63
12	06·2	522	714	9·5	65	18	146	54
13	06·5	520	713	7·5	43	13	97	39
14	05·7	521	713	6·0	24	11	54	33
15	06·1	520	713	5·5	23	7	52	21
16	05·8	525	709	9·5	21	21	47	63
17	06·1	526	712	7·0	20	5	45	14
18	06·2	516	711	7·5	54	17	121	51
19	06·6	514	710	8·0	36	29	81	86
20	06·9	512	707	5·0	19	20	43	59
21	06·7	521	706	10·0	28	26	63	77
22	06·7	512	708	6·2	21	23	47	68
23	06·5	527	709	6·2	47	14	106	42
24	06·8	517	707	6·7	73	16	164	48
25	07·5	483	713	12·0	65	20	146	59
26	06·4	491	714	5·5	40	12	90	36
27	05·9	507	708	10·5	29	24	65	71
28	06·2	496	705	11·2	60	39	135	116
29	06·0	511	707	13·5	27	36	61	107
30	06·6	496	705	13·0	43	40	97	119
31	06·5	507	709	9·8	20	26	45	77
Mean	13°06·06	·22518	·29710	8·58	36·7	21·1	82·6	62·7

Description of the Principal Magnetic Disturbances.

The month was comparatively quiet.

Declination.—25d. & 26d. Very faint oscillations.
27d. 01h. to 02h. Very feeble oscillations.

Horizontal Force.—8d. 7h. 30m. Sudden commencement of a short and slightly disturbed period.
10d. Slightly disturbed.
13d. Very slightly disturbed at end.
18d. and early part of 19d. Very slighly disturbed.
21d. at end and early part of 22d. Very slightly disturbed.
24d. from 21h. and first half of 25d. disturbed; large fluctuations (90γ) between 24d. 21h. and 25d. 02h.
26d. Slightly disturbed.
27d. 01h. 15m. Sharp positive wave of 30γ.

Vertical Force.—8d. Frequent small pulsations during the day.
13d. and 14d. Very small pulsations at times.
18d. Frequent small pulsations.
21d. at end and early part of 22d, small pulsations at times.
24d. at end and 25d. Somewhat disturbed—Continuous irregular fluctutions.
27d. from 0h. 30m. to 2h. one rapid oscillation (10γ).

T=·37277 : Mean Dip=52° 50′·42 : (X=·21932 : Y=−·05104 : Z=·29710).

† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JANUARY 1936.

Declination (West) Day and Hour	Declination (West) Observed Value	Horizontal Force Day and Hour	Horizontal Force Observed Value	Dip (South) Day and Hour	Dip (South) Observed Value	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
10.11.07	13·07·5	7· 9·24	·22543	10.10.55	52.49.6	·29708
14·13·57	13·02·7	10· 9·32	·22525	14·13·23	52·50·3	·29710
21·14·26	13·00·8	14· 9·27	·22527	21·14·15	52·47·9	·29687
28·14·20	13·02·6	17· 9·22	·22529	28·14·10	52·52·5	·29681
		22 9·30	·22504			
		25· 9·14	·22505			
		29·12·03	·22511			

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

JANUARY 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	12° +																
Midnight	65·0	65·3	66·0	66·5	66·5	66·0	65·7	66·0	66·5	67·0	67·0	66·0	66·0	67·5	66·0	66·5	Midnight
1h	66·5	65·0	66·3	66·3	66·3	65·7	65·5	66·5	66·7	67·5	66·7	66·3	66·7	67·0	66·3	66·5	1h
2	66·5	65·0	65·5	65·5	65·8	65·5	65·7	66·5	67·0	67·7	66·5	66·5	66·5	66·7	66·5	66·5	2
3	66·5	64·8	65·0	65·3	65·5	65·3	66·0	67·0	66·7	68·5	67·0	66·5	66·7	66·5	66·5	67·0	3
4	66·0	64·5	65·0	64·7	66·0	65·5	66·3	67·2	67·0	69·0	67·3	66·7	67·2	67·0	66·7	67·0	4
5	65·5	64·5	65·0	64·7	66·0	65·5	67·0	67·5	67·5	69·5	67·5	67·0	68·0	67·0	67·5	67·5	5
6	65·0	64·7	64·0	65·0	66·5	66·5	67·5	68·5	69·0	70·0	68·5	67·5	67·5	67·5	68·0	68·5	6
7	65·3	64·5	62·7	65·0	66·3	67·3	68·5	70·0	69·5	72·0	70·5	68·5	68·0	67·5	68·5	70·0	7
8	65·0	66·5	63·0	64·5	64·5	68·7	67·5	72·5	70·7	72·5	71·0	69·0	68·5	67·3	69·0	70·5	8
9	66·0	68·0	65·0	64·7	64·0	68·0	65·5	71·0	70·5	71·0	70·0	69·5	69·5	67·5	68·0	69·0	9
10	68·0	69·0	67·5	65·5	65·0	67·0	64·0	69·0	68·0	70·0	68·0	70·0	70·0	67·0	67·0	67·0	10
11	69·3	69·0	68·7	66·3	66·5	66·5	63·5	67·0	65·0	67·5	65·0	69·5	68·0	66·5	65·0	65·5	11
Noon	69·3	66·5	68·0	66·0	66·5	65·0	62·5	64·0	61·0	65·5	62·0	67·0	67·0	65·5	64·5	64·0	Noon
13h	68·5	63·0	66·0	66·0	66·0	64·0	62·3	61·5	60·5	63·0	61·0	65·0	65·5	63·0	64·5	62·5	13h
14	67·0	60·0	63·5	60·7	64·3	63·0	62·5	60·5	60·0	59·5	61·0	62·3	64·0	62·0	64·3	62·7	14
15	65·0	60·0	61·0	63·0	61·0	62·5	63·0	61·0	61·0	59·5	62·0	60·5	62·5	61·5	64·0	62·0	15
16	61·0	61·5	60·5	63·3	59·3	63·0	63·0	62·5	62·5	60·7	62·5	61·0	63·0	62·5	63·5	61·0	16
17	64·0	63·0	62·5	64·0	60·5	64·0	63·5	64·5	65·0	62·0	64·0	63·0	64·5	64·0	64·0	62·5	17
18	65·0	64·5	64·0	64·7	63·0	64·7	64·7	66·5	66·5	65·3	65·0	66·0	65·5	65·0	65·0	64·0	18
19	65·3	64·7	65·0	65·3	65·0	65·3	65·0	66·3	65·5	65·5	65·5	66·0	65·5	65·5	65·5	65·5	19
20	66·0	65·3	65·3	65·3	65·0	65·3	64·7	65·5	65·5	65·5	65·5	66·0	66·0	65·3	66·3	65·5	20
21	65·7	65·5	65·5	65·5	65·0	65·2	64·5	66·0	65·7	66·0	65·3	66·0	66·0	66·0	66·5	66·0	21
22	65·5	65·5	66·0	65·7	65·3	65·1	65·0	66·0	66·3	66·0	66·0	66·3	66·5	66·0	66·5	66·0	22
23	65·5	65·7	66·0	66·0	65·5	65·5	65·3	66·5	67·0	66·0	66·0	65·7	66·5	65·7	66·5	66.5	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	12° +																
Midnight	66·5	66·5	67·3	67·3	68·0	67·5	67·5	66·0	70·0	66·3	66·3	66·0	66·5	67·3	66·7	66·6	Midnight
1h	66·7	66·7	66·5	67·3	68·0	69·0	67·3	66·3	70·3	66·2	66·5	66·5	66·7	67·0	66·3	66·7	1h
2	66·7	67·0	66·5	67·0	67·3	67·5	67·0	66·5	71·0	66·5	65·5	66·0	66·0	66·5	65·7	66·5	2
3	67·0	67·3	65·5	67·5	67·5	67·0	67·3	66·5	68·0	66·3	66·5	65·0	66·0	65·7	66·0	66·5	3
4	67·0	67·5	66·3	67·3	67·0	67·5	68·0	67·0	70·0	66·0	66·5	65·5	66·0	66·3	65·0	66·7	4
5	67·0	68·3	66·0	67·2	67·0	67·7	67·7	67·0	70·0	65·7	67·0	66·0	66·0	66·5	65·0	66·8	5
6	67·5	69·0	67·5	67·5	67·0	67·7	68·0	67·3	70·0	66·0	68·0	65·0	65·5	65·7	65·0	67·1	6
7	68·5	70·0	68·3	67·7	68·0	69·0	67·5	68·3	71·5	65·7	68·0	66·0	66·5	66·0	64·3	67·7	7
8	69·5	69·0	70·0	68·3	69·0	69·3	68·0	70·5	73·0	68·0	68·7	68·0	68·0	67·5	65·8	68·5	8
9	68·5	67·5	70·3	67·5	70·0	69·5	69·0	71·0	72·0	68·5	70·0	70·7	70·5	71·0	69·0	68·8	9
10	68·0	66·0	70·5	67·5	71·0	69·0	69·5	69·5	71·5	69·0	70·0	70·0	72·0	72·5	71·0	68·7	10
11	67·0	64·5	70·0	68·0	70·5	68·0	69·5	67·0	69·5	67·0	68·0	69·5	70·5	72·5	72·3	67·8	11
Noon	65·3	62·5	67·5	68·5	68·0	67·5	68·0	65·5	66·5	64·5	64·0	68·7	68·7	71·0	70·5	66·2	Noon
13h	64·5	62·7	66·0	68·0	65·0	66·0	64·5	65·0	63·0	63·5	61·0	67·0	66·0	69·0	69·0	64·6	13h
14	63·0	62·5	63·5	65·5	62·0	64·0	63·3	64·3	61·5	63·5	59·5	63·5	63·0	65·0	66·0	62·8	14
15	62·5	63·0	62·5	64·5	61·0	63·5	63·5	65·0	61·0	64·7	59·7	62·7	59·5	61·0	63·0	62·2	15
16	62·7	63·5	62·5	63·5	61·5	63·3	64·3	64·7	61·7	65·2	61·5	59·5	58·5	59·5	62·5	62·1	16
17	63·5	65·0	64·0	65·0	64·0	64·5	64·0	65·0	65·0	66·5	64·0	63·0	61·0	62·0	64·0	63·7	17
18	65·0	66·0	65·0	65·3	65·5	64·0	64·7	65·3	66·0	67·0	66·5	65·0	63·5	64·0	65·3	65·1	18
19	65·5	65·5	65·5	66·5	65·5	65·3	65·3	65·7	67·0	68·0	67·0	66·5	65·3	66·0	66·0	65·7	19
20	65·5	65·5	65·7	66·5	65·5	65·5	65·5	65·5	66·0	68·5	67·0	66·7	66·0	66·0	66·5	65·8	20
21	65·7	67·3	67·0	66·7	65·7	65·7	65·5	66·0	66·0	67·5	67·0	67·0	67·3	67·0	67·0	66·1	21
22	66·3	69·0	66·7	67·0	68·0	67·0	65·5	68·0	66·0	66·5	67·0	67·0	67·5	67·3	66·7	66·4	22
23	66·3	67·5	67·5	67·3	68·7	67·5	66·0	69·5	66·3	66·3	66·7	66·7	67·0	67·3	67·0	66·6	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)

JANUARY 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	515	523	525	527	529	527	530	538	513	513	510	520	530	517	516	521	Midnight
1h	517	523	523	525	531	527	530	541	515	514	510	520	523	515	518	521	1h
2	520	525	526	525	530	529	532	543	518	515	513	521	525	516	520	523	2
3	517	527	523	524	527	529	535	543	523	523	514	521	524	519	527	524	3
4	513	528	524	528	527	527	536	543	529	525	516	522	524	521	523	522	4
5	515	530	523	527	525	527	535	545	527	523	519	525	524	521	521	522	5
6	523	530	528	529	528	530	538	542	523	524	520	533	532	521	523	525	6
7	523	533	535	530	535	535	541	545	523	520	522	534	530	522	529	530	7
8	532	533	540	543	537	540	541	560	521	520	530	535	536	521	525	528	8
9	533	527	545	552	539	545	540	563	515	523	538	539	543	525	522	529	9
10	540	523	540	561	545	553	550	567	514	527	545	540	540	531	528	537	10
11	550	517	525	560	545	560	553	550	524	525	543	543	520	537	527	541	11
Noon	540	513	522	560	540	550	550	539	517	543	537	550	514	530	516	535	Noon
13h	530	516	530	563	533	545	545	545	533	544	523	547	510	518	513	525	13h
14	527	515	543	560	537	543	545	540	532	535	523	540	515	522	512	523	14
15	525	520	543	548	543	530	540	541	524	517	520	520	510	520	508	522	15
16	530	523	540	537	540	522	532	530	523	510	515	502	507	513	506	520	16
17	530	527	537	535	535	524	531	510	519	500	515	490	505	520	513	521	17
18	523	527	531	531	531	525	531	488	513	508	513	485	502	522	520	521	18
19	524	523	523	528	527	523	531	492	515	505	515	508	500	523	520	522	19
20	524	522	521	528	527	520	531	493	515	504	521	502	505	522	523	523	20
21	525	525	521	527	527	520	530	500	517	500	518	507	512	518	523	523	21
22	523	526	523	532	528	525	532	499	512	505	520	506	512	513	524	520	22
23	522	525	524	527	527	525	535	507	513	520	517	520	530	514	524	522	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	521	535	495	517	509	510	506	528	435	490	500	503	500	499	501	512·7	Midnight
1h	521	527	500	513	512	520	511	527	470	495	530	502	500	503	508	515·9	1h
2	525	525	509	515	509	511	515	530	480	499	500	507	501	503	503	516·5	2
3	523	525	515	517	513	515	512	530	470	500	502	523	505	510	500	518·1	3
4	520	528	518	516	513	521	513	525	480	499	503	515	508	504	501	518·5	4
5	520	535	516	515	520	516	520	525	475	507	503	513	509	509	512	519·5	5
6	522	541	518	517	521	517	525	527	485	505	505	510	512	510	508	521·7	6
7	525	533	523	518	527	520	535	525	499	510	512	508	515	513	515	524·7	7
8	535	528	521	517	535	513	535	533	495	507	507	512	520	513	519	526·9	8
9	537	524	523	515	537	507	535	530	500	497	513	500	522	510	515	527·2	9
10	537	528	531	517	535	505	543	526	492	488	520	485	522	500	514	528·2	10
11	540	540	529	519	523	503	553	520	500	485	517	480	518	493	514	527·5	11
Noon	536	530	515	510	517	500	530	510	497	473	517	465	515	491	515	521·8	Noon
13h	533	522	518	503	525	510	530	517	490	480	515	463	513	490	506	520·5	13h
14	528	517	517	500	535	506	535	521	489	480	514	467	510	477	507	520·2	14
15	528	505	513	505	535	500	530	523	491	480	510	475	513	475	505	516·7	15
16	521	500	512	507	530	509	523	521	489	470	510	486	515	470	503	513·4	16
17	522	487	510	512	527	515	521	522	483	480	510	495	520	475	503	512·7	17
18	521	497	503	512	520	520	522	523	465	487	515	500	517	487	502	511·7	18
19	523	493	504	512	510	517	523	520	450	487	491	498	513	493	500	506·8	19
20	524	505	505	510	514	518	530	520	479	479	492	500	508	497	499	511·6	20
21	523	490	505	508	515	510	527	520	481	485	493	503	495	493	507	511·1	21
22	523	495	510	507	512	508	527	480	487	495	499	500	501	497	504	511·1	22
23	525	495	520	507	520	508	527	460	489	498	499	503	503	497	501	512·7	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)

JANUARY 1936.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	714	715	715	712	713	712	712	711	715	715	717	714	715	716	715	714	Midnight
1h	716	715	716	712	713	711	711	711	715	716	716	714	715	717	716	715	1h
2	715	716	715	712	712	711	712	711	714	716	715	713	714	715	716	715	2
3	716	715	715	712	713	711	712	711	714	715	715	713	714	714	714	715	3
4	715	715	715	712	714	712	713	712	715	714	715	713	715	714	714	715	4
5	715	715	715	713	714	713	714	712	715	714	716	714	716	715	714	714	5
6	714	715	713	712	715	715	715	714	716	716	717	714	716	715	714	715	6
7	713	717	710	712	713	719	716	718	716	720	721	717	717	715	713	717	7
8	715	721	710	709	707	719	715	720	717	720	719	720	718	719	713	717	8
9	716	723	715	709	708	715	713	714	715	715	711	721	719	719	714	712	9
10	719	723	716	711	711	713	713	707	712	715	710	719	715	715	713	708	10
11	716	721	710	...	709	707	711	702	703	714	702	715	712	712	709	701	11
Noon	711	715	700	...	704	701	705	698	696	713	700	711	711	711	709	699	Noon
13h	707	707	689	...	701	697	705	695	695	705	701	706	710	709	711	699	13h
14	704	702	681	...	694	699	709	699	697	702	701	703	709	709	710	698	14
15	704	703	688	702	689	701	710	701	702	706	703	706	707	708	709	696	15
16	707	707	693	703	691	704	709	706	704	711	704	708	706	709	710	697	16
17	712	711	700	706	697	708	710	710	710	713	709	712	710	711	711	702	17
18	713	714	706	710	705	711	711	715	711	716	712	717	711	712	712	707	18
19	712	713	709	712	710	712	710	714	712	714	713	715	711	712	712	709	19
20	712	713	710	712	710	712	710	714	712	715	712	714	713	711	712	709	20
21	713	714	711	712	710	712	710	716	713	717	713	714	714	713	713	710	21
22	715	715	712	713	711	713	711	717	714	717	715	716	715	715	713	711	22
23	715	715	712	712	711	713	711	717	715	728	715	717	714	15	714	713	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	712	711	715	710	710	710	709	708	716	713	713	711	710	711	709	712·7	Midnight
1h	712	712	714	711	709	710	709	707	715	712	715	711	710	710	709	712·8	1h
2	712	713	714	711	709	709	709	707	713	711	711	710	709	709	708	712·2	2
3	713	713	714	712	709	710	709	707	711	711	711	708	709	708	709	712·0	3
4	713	713	714	711	709	710	710	708	713	711	711	709	709	709	708	712·3	4
5	713	712	715	712	710	711	710	710	714	711	711	709	708	707	707	712·5	5
6	714	714	717	712	710	711	710	710	717	712	712	709	707	707	706	713·1	6
7	713	716	717	713	710	713	709	711	719	716	712	711	710	710	705	714·2	7
8	712	715	721	714	712	715	711	715	722	719	713	719	715	713	714	716·0	8
9	711	713	721	714	713	717	716	715	721	723	717	721	721	719	723	716·5	9
10	711	710	713	712	715	716	717	713	719	723	713	721	723	716	725	715·5	10
11	710	704	705	707	711	717	711	710	710	720	705	715	718	711	721	710·6	11
Noon	710	700	697	704	707	713	705	707	704	715	696	703	710	703	714	705·4	Noon
13h	711	705	692	701	700	703	703	701	702	713	693	691	697	695	706	701·7	13h
14	709	708	693	695	690	695	705	699	703	714	693	684	691	686	700	699·4	14
15	709	709	695	694	689	694	705	699	705	715	696	682	687	679	699	699·3	15
16	711	710	700	695	693	697	707	699	707	713	702	684	689	683	701	701·9	16
17	712	713	705	699	701	701	708	703	713	711	709	691	696	694	705	706·2	17
18	713	714	709	701	705	703	708	704	715	711	711	699	703	701	709	709·3	18
19	712	714	710	705	707	706	708	704	717	712	711	703	705	706	709	710·2	19
20	712	712	711	706	707	707	707	704	714	713	710	705	706	707	709	710·3	20
21	712	712	712	707	707	709	707	705	713	715	711	707	709	709	710	711·3	21
22	713	713	712	709	708	710	708	710	714	713	712	709	709	709	710	712·3	22
23	713	717	713	709	709	710	708	715	714	713	712	709	710	709	710	712·9	23

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JANUARY 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
JAN.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	963·0	26·4	3·8	20·0	68	23·2	285	0·9	6	20·0	27·0	25·4	21·9	29·6	19·0	10·6	...	...	6·3	47
2	960·2	27·6	4·3	20·4	65	23·7	110	1·3	3	19·9	27·9	28·6	23·3	29·3	19·0	10·3	1·3	5	8·2	62
3	965·2	27·0	2·6	22·6	77	27·1	65	2·2	9	21·9	25·8	25·0	23·2	27·9	21·7	6.2	25·2	175	3·1	23
4	965·2	26·9	3·0	21·8	74	25·9	70	4·5	9	22·9	26·0	27·1	22·8	28·0	22·6	5·4	0·2	3	6·0	45
5	967·0	25·9	2·6	21·5	77	25·4	65	4·5	6	23·0	25·0	28·8	23·6	28·8	22·4	6·4	0·4	3	10·2	77
6	966·6	27·5	4·7	19·6	62	22·6	Calm		8	21·8	27·8	24·0	22·3	29·1	20·6	9·5	43·5	137	7·0	53
7	966·1	26·5	3·6	20·4	69	23·7	Calm		8	21·0	27·0	23·8	22·4	29·6	20·2	9·4	30·1	152	5·0	38
8	965·8	26·3	3·3	20·7	71	24·2	100	2·7	7	20·9	26·0	27·2	22·2	28·4	19·3	9·1	0·1	2	11·3	86
9	966·5	25·0	5·8	15·1	54	17·0	110	4·5	1	20·3	25·1	25·6	21·5	27·0	19·6	7·4	0·5	6	11·8	89
10	964·2	23·7	2·0	20·2	81	23·4	110	7·2	7	21·0	22·2	25·1	21·9	26·0	20·1	5·9	1·0	14	8·0	61
11	964·9	24·9	3·6	18·7	69	21·4	110	7·2	0	21·0	22·3	24·8	26·4	26·6	19·9	6·7	0·4	4	11·6	88
12	963·7	26·7	4·0	19·9	66	23·0	110	2·7	6	21·0	25·8	21·5	22·2	27·5	20·6	6·9	6·5	65	7·1	54
13	960·9	25·3	3·7	19·0	68	21·8	70	0·9	9	20·1	24·7	24·4	22·2	26·3	19·6	7·2	76·0	116	3·9	30
14	961·8	26·9	3·9	20·3	67	23·6	55	1·3	7	19·6	26·0	24·2	20·5	27·5	19·6	7·9	10·6	104	5·6	42
15	963·6	26·1	3·7	19·9	68	23·0	Calm		10	20·4	25·0	22·6	22·2	27·6	20·4	7·2	33·3	71	4·0	39
16	965·3	25·2	2·3	21·3	79	25·1	80	1·8	10	22·2	25·6	27·0	23·2	27·9	21·2	6·7	6·7	46	5·6	42
17	965·4	20·1	2·3	22·2	79	26·5	65	4·5	10	23·0	24·8	23·3	23·0	26·9	22·5	4·4	7·5	42	4·1	31
18	965·8	21·6	0·3	21·1	97	24·8	65	4·0	10	22·3	22·3	20·0	22·0	26·1	20·0	6·1	2·7	12	5·7	44
19	966·0	25·1	3·2	19·6	72	22·6	85	5·4	8	21·5	24·7	24·0	21·9	27·0	21·0	6·0	5·0	18	7·5	57
20	965·2	23·3	1·2	21·2	88	24·9	90	4·9	9	21·0	23·4	24·5	21·9	25·0	20·7	4·3	4·8	28	7·0	53
21	964·0	23·9	2·0	20·4	81	23·7	65	3·6	10	21·8	24·7	25·4	22·2	26·9	21·4	5·5	3·3	21	7·4	56
22	964·2	23·0	0·7	21·8	93	25·9	85	3·6	8	21·1	21·0	23·8	22·0	26·9	20·6	6·3	16·3	140	3·6	28
23	963·4	25·3	2·2	21·6	89	25·5	75	0·9	6	20·8	25·6	25·5	21·9	26·9	20·4	6·5	0·3	2	5·1	39
24	962·6	25·5	2·3	21·6	79	25·5	70	2·2	5	21·4	24·9	26·4	22·4	27·3	21·0	6·3	1·6	12	9·6	73
25	961·4	25·5	2·6	21·1	77	24·8	45	2·7	9	22·2	26·0	28·1	23·5	28·6	21·9	6·7	...	..	10·6	81
26	962·4	20·0	2·4	21·9	78	26·0	70	1·3	10	21·9	25·0	27·2	25·7	27·7	20·7	7·0	...	...	2·4	18
27	961·6	24·3	0·4	23·6	96	28·8	Calm		10	22·8	24·0	27·4	23·8	27·6	22·2	5·4	3·8	25	0·7	5
28	962·7	24·6	2·2	20·8	79	24·3	Calm		7	22·2	27·3	27·9	24·0	29·2	21·7	7·5	1·3	18	8·6	66
29	964·1	26·3	2·0	22·9	81	27·6	45	3·1	10	23·2	27·1	27·4	24·1	29·6	23·0	6·6	1·6	13	10·2	70
30	966·0	27·7	3·1	22·5	73	27·0	45	3·1	10	23·0	26·2	29·3	23·7	29·5	22·8	6·7	...	...	10·2	70
31	967·2	27·3	4·3	20·1	65	23·3	70	0·9	9	22·2	26·3	20·7	26·4	30·0	22·0	8·0	...	...	12·2	94
Mean	964·4	25·6	2·8	20·8	75·5	24·4	...	2·6	7·6	21·5	25·2	25·8	22·9	27·9	20·9	7·0	284·0	1234	70·8	53·5
Average	964·2	24·8	2·3	20·8	79·2	24·6	...	3·4	7·1	...	...	...	...	26·7	20·6	6·1	355·2	...	65·0	49·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	41·2mbs.	Amount of rain	—	34·7mms.
Temperature of the Air	+	2·7°C	Duration of sunshine	+	41·3hrs
Vapour Pressure	+	1·9mbs.	Mean of maximum temperatures	+	2·1°C
Relative Humidity	—	6·3%	,, minimum temperatures	+	2·2°C
Velocity of Wind	+	1·0mps.	Absolute maximum temperature	+	1·9°C
Amount of Cloud	—	1·0	,, minimum temperature	+	1·8°C

Greatest intensity at Vacoas 74·7 mms. in 105 mins.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1936.

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
JAN.		mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	mins		mm
1	1004·1	− 2·3	31·9	21·8	10·1	26·1	+ 0·4	2·6	21·7	+ 1·1	77	+ 3	25·7	20·0	0·2	5	5·6	3·7
2	1005·9	− 0·4	31·0	22·0	9·0	26·6	+ 0·9	3·1	21·5	+ 0·9	74	0	25·4	19·8	0·7	5	7·8	3·7
3	1005·4	− 0·9	29·9	23·6	6·3	26·6	+ 0·9	1·8	23·6	+ 3·0	83	+ 9	28·8	22·7	5·8	44	7·9	7·5
4	1005·7	− 0·5	29·8	24·4	5·4	27·0	+ 1·2	2·1	23·5	+ 2·8	72	− 2	28·7	23·0	1·5	10	5·4	7·3
5	1007·5	+ 1·3	30·2	24·1	6·1	27·2	+ 1·4	2·5	23·0	+ 2·1	78	− 4	27·8	22·3	0·0	...	6·3	4·6
6	1007·5	+ 1·4	30·8	23·2	7·6	26·5	+ 0·7	2·4	22·4	+ 1·5	78	+ 4	26·8	21·1	0·0	...	7·5	4·1
7	1007·1	+ 1·1	31·1	22·8	8·3	25·2	− 0·6	1·7	22·3	+ 1·4	84	+ 9	26·7	20·2	67·0	165	6·3	5·7
8	1006·9	+ 1·0	30·0	21·1	8·9	24·9	− 0·9	2·3	20·9	− 0·1	79	+ 4	24·5	18·3	24·8	85	6·3	4·0
9	1006·7	+ 0·8	29·1	21·0	8·1	25·4	− 0·4	4·3	18·1	− 2·9	64	− 11	20·6	18·5	0·0	...	5·3	3·3
10	1005·7	+ 0·1	28·3	21·0	7·3	25·0	− 0·9	2·5	20·7	− 0·4	77	+ 2	24·2	18·2	1·5	20	7·0	5·0
11	1005·8	+ 0·1	29·1	23·0	6·1	25·9	0·0	3·8	19·4	− 1·9	68	− 7	22·3	22·0	0·0	...	7·5	2·3
12	1003·7	− 1·9	29·6	22·7	6·9	25·4	− 0·5	2·6	21·0	− 0·3	77	+ 1	24·6	20·0	1·7	28	7·5	4·0
13	1001·7	− 3·8	29·3	22·0	7·3	24·6	− 1·3	2·2	20·8	− 0·5	80	+ 4	24·3	19·4	6·5	103	6·2	6·7
14	1002·3	− 3·1	29·2	20·8	8·4	24·9	− 1·0	2·1	21·3	0·0	81	+ 5	25·1	20·0	95·5	255	5·7	7·7
15	1003·8	− 1·6	30·0	21·8	8·2	25·7	− 0·2	2·4	21·6	+ 0·3	78	+ 2	25·5	19·3	0·0	...	6·2	6·1
16	1005·2	− 0·1	29·7	23·7	6·0	26·5	+ 0·6	2·5	22·3	+ 0·8	78	+ 2	26·7	22·6	0·0	...	6·4	7·3
17	1005·9	+ 0·6	28·7	24·7	4·0	26·3	+ 0·4	2·0	22·9	+ 1·4	82	+ 6	27·6	23·6	10·4	57	5·1	7·4
18	1006·0	+ 0·9	28·6	24·2	4·4	26·1	+ 0·2	2·7	21·5	0·0	76	− 1	25·4	23·0	2·5	37	3·4	7·6
19	1006·0	+ 1·0	29·1	24·1	5·0	26·2	+ 0·2	3·1	21·0	− 0·6	73	− 4	24·6	23·0	1·6	10	8·0	7·5
20	1005·4	+ 0·5	28·3	23·7	4·6	25·5	− 0·5	2·5	21·2	− 0·4	77	0	24·9	21·3	4·5	25	6·0	5·6
21	1004·3	− 0·6	29·0	23·2	5·8	25·8	− 0·2	2·4	21·7	+ 0·1	78	+ 1	25·7	22·0	6·4	68	4·8	7·5
22	1004·1	− 0·7	29·2	22·9	6·3	25·2	− 0·8	1·8	22·1	+ 0·5	83	+ 6	26·3	21·4	7·6	35	7·2	7·1
23	1003·5	− 1·3	28·1	21·7	6·4	24·9	− 1·1	1·8	21·8	+ 0·2	83	+ 6	25·9	19·4	0·2	10	4·6	5·3
24	1002·9	− 1·8	29·9	23·0	6·9	26·1	+ 0·1	2·4	22·0	+ 0·2	78	+ 1	26·2	20·2	1·1	13	4·5	4·9
25	1002·3	− 2·4	31·1	23·9	7·2	26·9	+ 0·9	2·4	22·8	+ 1·0	78	+ 1	27·5	22·0	0·6	18	5·5	4·3
26	1001·7	− 2·9	30·9	23·1	7·8	26·7	+ 0·7	2·0	23·3	+ 1·5	82	+ 5	28·3	21·4	3·5	27	5·0	7·4
27	1001·9	− 2·7	31·1	24·8	6·3	27·5	+ 1·5	2·1	24·0	+ 2·2	82	+ 5	29·6	23·1	0·2	10	3·7	7·5
28	1003·0	− 1·6	31·6	24·1	7·5	27·4	+ 1·4	2·1	23·9	+ 2·1	82	+ 5	29·4	21·9	2·0	19	6·2	5·0
29	1004·9	+ 0·4	31·9	25·1	6·8	27·8	+ 1·9	2·0	24·4	+ 2·8	82	+ 5	30·3	23·0	3·0	38	5·7	5·1
30	1007·4	+ 2·9	30·9	24·8	6·1	27·1	+ 1·2	1·7	24·2	+ 2·6	84	+ 6	29·9	22·4	0·5	15	5·8	4·7
31	1007·6	+ 3·1	30·8	23·5	7·3	27·1	+ 1·2	2·9	22·2	+ 0·6	75	− 3	26·5	22·2	0·0	...	6·0	2·4
Mean	1004·9	− 0·4	30·0	23·1	6·9	26·1	+ 0·2	2·4	22·0	+ 0·7	78·2	+ 2·2	26·3	21·2	Sum 249·3	Sum 1102	6·0	5·6
Aver.	1005·3	...	29·8	22·6	7·2	25·9	...	2·7	21·3	...	76·0	...	25·1	20·4	215·4	1959	5·9	6·2
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JANUARY 1936.

From the first pressure started rising as a low pressure system to the South of Mauritius withdrew. On the 4th the influence of a South Eastern 'high' was felt with at the same time a gradual deepening of the Equatorial low into which a very feeble disturbance developed. This crossed over Northern Madagascar late on the 5th and was found on the next day in the Mozambique Channel, off Majunga. At Mauritius the influence of the Southern high lasted till the 11th, while an extension southwards, and some deepening of the equatorial low, to the North of Mauritius, started. Frequent heavy showers and electrical disturbances occurred at Mauritius during this period. On the 17th pressure rose again and from this date it kept low over the Mozambique Channel, where a cyclone formed, off Maintirano on the 23rd. This centre travelled South Eastwards and receded away, very slightly affecting the weather at Mauritius from the 25th to the 27th.

Ths Rainfall for the month was above normal but with a defect in duration. Humidity was above normal in the mean and wind velocity somewhat below.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1936

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather (0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h)
JANUARY	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	8·4	63	1·8	− 1·5	24·3	25·3	27·8	28·2	b : bc : bctp$_0$: b .
2	12·0	90	2·4	− 0·9	24·3	25·3	27·8	28·7	bc : b : bc : bcqr$_0$.
3	8·4	63	2·8	− 0·5	24·0	25·4	27·8	29·0	bcgr$_0$: c : ct : ctsm : or$_0$r$_0$: bc .
4	8·2	62	3·2	− 0·1	24·2	25·5	27·9	29·0	bc : bcr : cgq$_0$: c : bc .
5	12·0	90	2·9	− 0·5	24·2	25·4	28·1	28·9	bc : bct : b .
6	6.1	46	1·3	− 2·1	24·3	25·5	28·2	29·1	b : bcg : bct : bc : b .
7	5·5	42	1·5	− 1·7	24·3	25·4	28·3	28·9	b : bc : bcRR: oRRt : cgt : bc .
8	11·8	89	2·5	− 0·9	24·1	25·7	28·4	28·1	bl : b : bc : crr : bc .
9	12·4	94	2·6	− 0·8	24·2	25·7	28·3	28·0	b : bc .
10	9·2	70	3·6	+ 0·2	24·3	25·9	28·1	28·1	b : cr$_0$r$_0$: c : bc : b .
11	12·1	92	3·9	+ 0·5	24·3	25·7	28·0	28·1	b : bc : b : btl : b .
12	7·5	57	2·1	− 1·3	24·3	25·7	27·9	28·4	b : bct : cr$_0$t : bc : b .
13	6·8	52	2·0	− 1·4	24·3	25·7	28·0	28·2	bctl : bc : crrtsm : bc r$_0$r$_0$ t : c .
14	7·5	57	2·7	− 0·7	24·5	26·1	28·0	26·6	orrtsm : cgr$_0$r$_0$: ct : c : bcl : b .
15	7·1	54	1·8	− 1·6	24·4	26·1	27·7	27·2	b . bc : ct : c : bc .
16	7·1	54	3·0	− 0·4	24·4	26·1	27·6	27·9	ct : c : bc . b .
17	3·3	25	4·0	+ 0·6	24·4	26·1	27·7	28·3	bc : cr$_0$r$_0$: or$_0$r$_0$: o . bc .
18	7·0	53	5·2	+ 1·8	24·5	26·3	27·7	28·3	bcq$_0$. cq$_0$r$_0$: c : oq$_0$r : cq$_0$: cqd$_0$d$_0$: bcq$_0$.
19	9·2	70	5·6	+ 2·2	24·5	26·0	27·7	27·9	bc : cq : cqr : cq : cqr : bc .
20	8·6	66	4·6	+ 1·2	24·4	26·0	27·7	28·0	b . bc : c : cqrr : bc .
21	8·9	68	3·7	+ 0·3	24·4	26·0	27·7	28·0	bc : cr : bc : cq$_0$ d$_0$d$_0$: bc q$_0$ddl cr .
22	4·3	33	2·9	− 0·5	24·5	26·0	27·7	28·0	bcr : c : cr$_0$: crt : c : bc b .
23	6·8	52	2·1	− 1·3	24·3	26·2	27·7	28·0	b : bc : bcd$_0$: cd$_0$: bc : b .
24	8·2	63	2·6	− 0·8	24·6	25·9	27·7	28·0	bcd$_0$: bc : bcr$_0$: bc : b .
25	9·8	75	2·3	− 1·1	24·5	26·1	27·7	28·2	bd$_0$: cr$_0$: bc : c : b .
26	3·2	25	1·3	− 2·1	24·5	26·0	27·8	28·4	b . bc : c : or .
27	5·8	45	1·5	− 1·9	24·5	26·2	27·9	29·0	bcr$_0$: o : or$_0$: c : bc .
28	11·0	85	2·6	− 0·8	24·7	26·0	28·0	29·2	bcr$_0$: b : c : crr : bcr$_0$: b .
29	10·7	82	3·0	− 0·4	24·7	26·2	28·3	29·3	bcr$_0$r$_0$: c : cr$_0$: bc : b .
30	9·8	75	2·4	− 1·0	24·6	26·2	28·3	29·3	br$_0$: b : cr$_0$: c : bc : b
31	12·2	94	2·4	− 1·0	24·5	26·3	28·3	29·3	b : bc : b : b$_0$.
Mean	8·42	64·1	2·78	−0·61	24·39	25·87	27·93	28·37	.....
Average	7·73	58·8	3·39	...	24·84	26·36	28·02	27·51	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JANUARY 1936.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1009·2mbs		often	1000·2mbs	at 17·00hrs.	on 26th
Temperature of the Air	31·9°C	at 13·35hrs. / 14·40hrs.	on 1st / on 29th	20·8°C	at 02·45hrs.	on 14th
Daily range of temperature of the Air ...	10·1°C	...	on 1st	4·0°C	...	on 17th
Temperature of the Dew Point	25·3°C	at 08.00hrs.	on 29th	16·3°C	at 12·00hrs.	on 9th
Daily range of temperature of the Dew Point	4·0°C	...	on 9th	1·6°C	...	on 4th & 31st
Minimum on Grass	...	...	...	18·2°C	...	on 10th
Relative humidity	96·0%	at 14·00hrs. / 04·00hrs.	on 7th / on 14th	45·0%	at 13·00hrs.	on 9th
Vapour Pressure	31·9mps.	at 08.00hrs.	on 29th	18·4mbs	at 12·00hrs.	on 9th
Evaporation in 24 hours...	8·0mms	...	on 19th	3·4mms	...	on 18th
Wind Velocity	7·8m.p.s.	at 17·00hrs.	on 19th	0·6mps	...	often
Rainfall in 24 hours	102·0mms.	ending 08hrs.	on 14th	...	...	
Duration of sunshine	12·4hrs	...	on 9th	3·2hrs.	...	on 26th

Mean Day Temperature of Air, 27·84°C. Average 27·74°C. Mean Night Temperature of Air, 24·42°C. Average 23·98°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	3	16	12	...	6	10	4	2	2	6	4

TABLE VIII.—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 55·2 metres above mean sea-level.)

JANUARY 1936.

The initial 10 or 9 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	040	060	064	054	072	087	081	072	079	071	066	060	029	021	039	053	Midnight
1h	035	056	060	050	069	080	074	066	075	065	059	053	022	013	035	050	1h
2	031	053	057	050	063	073	066	061	071	062	050	049	021	014	030	042	2
3	030	050	050	045	061	071	064	067	070	060	049	041	013	019	030	041	3
4	031	052	049	045	062	070	061	061	069	052	049	039	013	016	029	040	4
5	036	059	050	048	065	072	065	061	068	053	051	040	010	018	029	040	5
6	040	064	056	053	072	080	070	069	071	059	057	045	015	019	032	043	6
7	043	069	060	057	079	081	073	072	072	061	062	049	021	026	037	050	7
8	042	071	060	060	080	080	074	072	076	063	067	049	022	030	039	055	8
9	042	074	060	061	081	080	073	073	076	066	065	049	024	030	040	060	9
10	041	073	061	061	082	079	073	072	074	066	065	049	022	031	040	061	10
11	036	068	060	062	081	074	070	070	070	062	062	040	020	031	041	061	11
Noon	031	061	058	060	079	070	070	066	066	055	059	036	018	022	040	055	Noon
13h	031	056	051	057	076	068	070	061	061	050	057	032	017	013	036	047	13h
14	029	051	049	051	071	069	071	061	059	046	054	030	011	011	035	046	14
15	028	043	041	051	067	062	066	060	056	042	050	025	010	011	035	049	15
16	031	041	042	050	062	059	062	068	051	040	047	021	010	010	035	050	16
17	040	046	041	051	065	062	061	066	051	040	047	021	008	011	033	051	17
18	045	053	044	054	069	069	070	070	056	046	050	023	010	016	039	056	18
19	051	060	050	059	080	072	077	072	060	051	060	028	015	025	041	059	19
20	059	061	055	063	086	080	075	080	064	060	062	030	018	030	043	060	20
21	058	064	060	072	090	086	078	080	069	064	066	031	020	036	046	061	21
22	065	069	061	076	092	090	081	081	072	071	070	031	023	039	051	061	22
23	066	070	060	074	092	090	083	080	072	071	068	030	022	040	056	063	23

The initial 10 or 9 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	061	056	066	061	056	048	041	041	031	028	022	030	044	064	090	1005·4	Midnight
1h	059	050	059	059	049	041	031	034	028	026	013	027	040	060	085	1004·9	1h
2	057	050	054	053	041	037	030	030	022	021	010	023	039	060	081	1004·5	2
3	051	048	051	048	039	033	028	025	018	012	008	019	036	060	079	1004·2	3
4	051	049	050	049	038	033	026	021	016	011	010	020	034	060	080	1004·2	4
5	056	049	050	050	040	034	027	023	020	019	011	020	038	062	080	1004·3	5
6	061	054	053	057	044	041	029	027	026	021	019	025	043	071	082	1004·8	6
7	070	061	060	060	050	048	036	031	029	024	022	028	050	078	086	1005·3	7
8	071	061	069	062	053	050	044	034	030	029	024	031	052	080	086	1005·5	8
9	070	069	070	065	052	054	049	038	029	030	027	036	053	080	089	1005·7	9
10	070	070	071	067	051	054	048	037	027	026	026	037	052	077	085	1005·6	10
11	069	070	070	062	050	051	046	034	024	016	023	032	051	077	081	1005·4	11
Noon	063	068	065	061	046	046	046	030	022	011	021	030	048	075	076	1005·0	Noon
13h	060	065	060	059	040	043	040	028	020	011	020	029	043	071	071	1004·7	13h
14	050	058	060	050	031	036	030	020	013	010	018	023	040	069	067	1004·3	14
15	048	056	060	041	030	034	025	017	011	005	011	021	039	068	060	1003·9	15
16	043	054	055	035	027	030	021	016	010	004	010	020	040	066	059	1003·8	16
17	043	054	051	034	027	030	023	017	014	002	011	021	041	067	059	1003·8	17
18	051	058	055	041	031	032	025	021	021	007	015	029	050	073	062	1004·3	18
19	052	061	061	047	038	040	030	026	028	015	024	033	059	080	070	1004·9	19
20	060	063	064	051	044	041	034	030	029	021	030	040	061	086	076	1005·3	20
21	062	069	066	055	049	046	039	034	030	023	031	047	065	090	078	1005·7	21
22	066	071	069	060	051	048	041	039	031	023	035	050	070	092	079	1006·0	22
23	063	071	065	061	050	043	043	037	031	023	022	050	069	091	076	1005·9	23

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

Hour \ Day.	JANUARY 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	0	7	6	5	5	2	2	3	2	4	1	1	2	9	3	9	2	3	6	4	3	7	1	6	1	0	8	7	3	1	1	3·7
1h	0	7	4	5	5	2	3	2	2	3	1	1	3	10	2	10	3	4	7	4	5	6	1	5	1	1	8	6	4	1	2	3·8
2	1	5	5	5	4	2	5	1	2	2	2	0	9	10	2	9	4	6	8	2	5	7	1	7	1	2	7	0	3	1	2	3·9
3	1	2	6	5	4	1	5	1	2	2	3	0	6	10	3	10	7	8	9	2	8	8	1	7	1	1	4	0	3	1	3	4·0
4	1	2	6	5	4	1	2	2	4	3	2	0	3	10	3	10	10	10	5	2	8	8	2	6	2	1	6	1	4	2	2	4·1
5	1	2	6	5	3	3	1	1	4	2	2	1	5	10	4	7	7	8	6	5	7	9	3	6	3	8	10	1	4	3	1	4·5
6	1	2	10	5	7	3	1	0	4	5	3	2	8	10	5	6	7	9	6	7	8	9	4	6	6	8	10	2	4	6	2	5·4
7	2	2	8	7	7	4	4	1	3	5	3	3	5	10	5	7	8	9	6	7	7	8	4	6	8	7	10	3	5	8	2	5·6
8	3	2	8	10	7	4	4	1	2	5	3	3	3	7	5	9	8	8	7	8	8	7	4	5	9	8	10	3	6	8	3	5·7
9	6	4	8	9	7	6	5	4	1	10	4	3	8	8	6	8	9	9	7	8	8	6	7	6	8	8	9	5	6	8	4	6·6
10	6	4	8	9	5	5	5	6	1	9	4	5	5	7	7	8	10	10	8	8	7	8	6	5	7	9	9	6	6	8	3	6·6
11	6	3	8	9	5	5	7	5	1	9	3	6	8	8	7	8	8	10	8	8	6	8	6	5	3	9	8	8	8	8	3	6·6
Noon	6	3	9	9	6	6	7	5	2	8	4	9	9	8	8	8	8	10	9	10	7	8	9	5	3	9	8	9	8	9	4	7·2
13h	6	3	10	9	5	6	10	4	3	8	5	8	9	8	8	8	9	8	9	10	9	9	8	8	4	9	8	9	8	8	4	7·4
14	6	3	9	9	5	8	10	6	4	8	3	7	10	8	9	9	10	8	10	9	9	10	8	6	6	9	8	8	8	8	4	7·6
15	6	3	9	8	6	8	8	7	4	8	3	7	9	9	9	9	10	8	10	8	10	9	9	5	8	9	7	8	8	8	4	7·5
16	6	4	10	9	5	7	8	8	4	7	4	8	9	10	9	8	10	8	9	5	9	9	8	6	8	9	7	8	8	7	4	7·5
17	7	5	10	9	4	7	8	10	4	5	2	8	6	8	8	7	10	8	9	5	9	9	7	5	8	9	8	8	7	5	3	7·0
18	8	4	10	9	4	7	9	6	3	4	1	6	6	8	8	9	9	8	10	4	10	8	7	5	8	9	7	7	8	4	3	6·7
19	3	5	6	8	4	5	10	5	5	3	1	6	6	8	7	10	10	8	10	4	10	9	7	4	4	9	10	6	4	3	1	6·2
20	2	3	6	7	3	1	7	5	7	3	0	3	6	3	7	3	5	5	7	4	9	6	7	3	3	10	7	6	2	2	1	4·6
21	1	3	6	7	3	2	5	5	5	2	0	2	7	2	6	2	5	5	5	4	2	3	6	1	1	10	5	4	2	1	0	3·6
22	1	5	7	7	2	2	5	5	5	4	1	3	7	3	5	3	4	6	5	4	8	2	3	1	1	10	5	3	2	1	0	3·9
23	5	6	5	6	2	1	4	5	4	4	1	2	8	3	7	2	4	6	6	4	9	1	4	2	0	10	3	3	2	1	0	3·9

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

Hour Ending \ Day.	JANUARY 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	21	25	5	0	1	12	14	25	25	0	0	11	0	0	7	0	0	4	0	0	0	0	0	0	2	9	0	13	0	0	1	2·9
7	59	60	59	37	60	60	60	60	60	30	60	60	48	6	59	40	25	25	30	37	40	7	53	8	54	46	0	60	50	25	60	22·3
8	54	60	60	53	49	60	60	60	60	55	60	60	60	28	22	16	17	38	53	41	33	18	60	60	40	48	35	60	45	33	60	24·3
9	20	60	60	55	60	59	60	60	60	9	60	60	30	48	60	47	25	26	57	59	52	60	60	60	12	13	10	60	48	40	60	24·2
10	0	60	48	57	60	60	60	60	60	40	60	60	50	60	54	30	49	20	60	60	60	26	60	60	60	0	58	60	52	55	60	26·0
11	25	60	59	60	60	58	49	60	60	45	60	60	57	48	60	35	50	7	60	58	60	60	46	60	60	0	15	60	60	58	60	26·7
Noon	60	60	60	50	60	13	0	60	60	55	60	15	0	60	60	59	33	25	60	11	60	52	0	60	60	13	48	60	60	33	60	22·8
13h	60	60	54	44	60	1	0	52	60	32	60	0	0	14	30	40	0	60	60	13	50	26	0	11	60	27	20	60	60	35	60	18·5
14	60	60	32	52	60	0	0	15	60	45	60	3	38	60	17	17	0	60	59	54	53	0	6	48	60	13	25	60	60	60	60	19·9
15	60	60	36	18	60	12	0	60	60	60	58	28	54	60	0	60	0	60	33	59	53	0	12	60	53	9	1	59	60	60	60	21·1
16	60	60	20	18	60	18	0	60	60	60	52	49	0	30	14	25	0	48	53	60	43	0	18	14	60	7	45	55	60	60	60	19·3
17	14	60	10	12	60	0	20	60	60	60	60	23	14	45	40	40	0	40	27	50	23	10	36	38	60	7	0	45	60	60	60	18·4
18	8	36	0	39	60	10	8	52	58	43	60	20	54	0	0	20	0	10	0	4	5	0	52	16	10	0	56	0	22	51	60	12·6
19	3	0	0	0	8	0	0	23	1	16	14	0	6	0	0	0	0	0	0	0	0	0	2	0	0	0	3	6	8	16	11	1·9

The total Amount of Registered Sunshine was 260.9 hrs. and the total possible sunshine was 407·6 hrs.

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

(*To obtain temperatures on the Absolute Scale add 273*)

JANUARY 1936.

Day / Hour	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day / Hour.
Midnight	23·1	1·0	23·6	1·4	25·0	0·9	25·9	1·4	25·9	1·3	24·8	1·0	24·0	1·2	22·9	1·7	Midnight
1h	22·9	0·9	24·0	1·3	24·5	0·8	25·6	1·2	25·8	1·3	24·5	0·8	23·8	1·2	22·8	1·7	1h
2	22·6	0·9	23·9	1·5	23·8	0·8	25·2	1·1	25·3	1·0	24·0	1·0	23·3	1·1	22·6	1·6	2
3	22·3	0·9	23·7	1·4	24·3	0·6	25·0	1·1	25·1	1·0	24·0	0·9	23·7	1·4	22·4	1·4	3
4	22·1	0·9	22·6	1·3	24·5	0·5	24·9	1·0	25·0	1·0	24·0	0·9	23·0	1·0	21·5	1·2	4
5	22·0	0·9	22·3	1·2	25·0	0·9	24·8	0·8	24·3	1·1	23·6	0·8	23·1	1·0	21·7	0·8	5
6	22·0	0·6	22·2	0·9	25·0	0·8	24·9	0·9	24·7	0·7	23·3	0·8	23·1	1·2	22·5	1·4	6
7	24·7	1·1	24·9	1·7	26·0	1·0	26·1	1·1	26·5	1·5	25·9	1·0	25·8	1·8	25·1	1·8	7
8	27·2	2·2	27·7	3·5	27·9	2·3	27·1	2·1	27·2	2·2	27·9	2·9	27·8	3·5	27·1	3·1	8
9	28·0	3·0	28·7	4·6	28·6	3.1	28·0	2·4	28·8	3·7	29·0	3·7	28·4	3·9	28·2	3·8	9
10	27·4	2·9	29·4	4·8	28·2	2·3	28·9	3·1	29·1	3·8	30·1	4·5	29·8	4·9	28·6	3·9	10
11	28·9	3·7	29·9	5·8	28·3	3·0	29·1	3·8	29·8	4·8	30·0	5·0	30·4	4·8	29·1	4·7	11
Noon	30·0	4·0	30·2	5·5	29·0	3·1	29·6	4·1	29·7	3·9	29·9	4·7	27·3	1·8	29·0	4·7	Noon
13h	31·6	5·4	30·7	6·2	29·6	3·6	29·8	4·2	30·1	4·7	28·6	4·4	25·3	0·6	29·1	5·0	13h
14	31·7	5·6	30·1	5·5	28·2	3·0	29·1	3·9	29·9	4·0	27·2	2·4	24·2	0·4	28·0	3·6	14
15	31·4	5·5	29·7	5·7	28·9	3·0	28·7	3·5	29·5	4·4	28·5	3·6	24·3	0·4	25·1	2·1	15
16	31·1	5·3	29·4	4·9	26·2	1·3	28·6	3·4	29·1	4·0	28·3	4·0	25·2	0·7	23·5	1·2	16
17	27·1	3·4	28·6	4·5	26·9	1·9	28·1	3·0	29·0	4·1	28·0	3·4	26·2	1·5	23·6	1·8	17
18	26·7	3·2	27·3	3·2	26·7	1·6	27·9	2·9	28·0	3·1	27·9	3·1	26·0	2·7	25·0	2·0	18
19	25·9	2·7	26·8	2·8	26·3	1·4	27·0	2·0	27·0	2·6	26·7	2·7	25·1	1·3	24·6	1·8	19
20	25·0	1·9	26·0	2·0	26·1	1·3	26·4	1·5	26·2	1·7	25·7	1·7	24·1	1·1	24·0	1·0	20
21	24·0	1·8	25·4	1·3	26·1	1·5	26·2	1·3	25·9	1·6	25·0	1·8	24·2	1·3	24·0	2·0	21
22	23·3	1·3	25·5	1·6	26·0	1·4	26·0	1·2	25·4	1·3	24·8	1·7	24·0	1·2	23·9	1·9	22
23	24·1	1·5	25·1	1·5	25·9	1·3	26·1	1·3	25·1	1·1	24·3	1·3	23·6	1·5	24·1	2·3	23

Day. / Hour.	9d. Air.	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air	16d. Excess of Air over Evap.	Day. / Hour.
Midnight	23·1	1·6	22·0	1·7	24·2	2·1	24·0	1·8	22·8	1·2	23·2	1·2	23·3	1·1	24·2	1·2	Midnight
1h	22·2	1·2	21.3	1·3	24·0	2·0	23·6	1·3	23·0	1·0	22·8	1·3	23·0	0·9	24·0	1·0	1h
2	23·2	2·2	21·1	1·1	24·0	2·2	23·3	1·0	22·7	1·1	22·4	0·7	22·7	0·8	23·8	0·9	2
3	22·9	2·3	22·0	1·2	23·8	2·5	23·1	1·1	22·4	1·3	21·1	0·6	22·3	0·9	23·9	0·9	3
4	22·4	2·2	22·7	1·0	23·7	2·9	22·9	1·1	22·0	1·1	21·4	0·4	22·0	0·8	24·1	0·9	4
5	22·0	2·3	22·7	1.4	23·3	3·2	22·9	1·3	22·1	1·2	21·8	0·6	21·9	0·8	24·1	1·0	5
6	21·3	2·3	22·9	1·1	23·3	3·0	23·2	1·7	22·2	1·2	22·9	0·9	22·0	0·7	24·0	1·0	6
7	24·2	4·0	24·9	1·8	25·1	3·3	25·4	2·4	25·0	2·5	23·7	0·9	24·7	1·4	25·5	1·4	7
8	25·9	5·3	25·7	2·4	26·7	4·5	27·2	3·7	25·9	2·9	24·4	1·3	25·8	1·9	26·7	2·3	8
9	27·1	6·1	24·8	1·5	27·2	4·7	28·1	4·8	27·3	4·0	26·2	2·2	27·3	3·1	28·0	3·5	9
10	28·1	7·0	26·1	2·4	27·9	5·6	28·9	4·9	28·3	4·4	28·0	4·0	28·2	3·5	28·3	3·4	10
11	28·6	7·3	26·2	2·4	28.3	5·3	29·3	5·1	29·1	5·9	27·9	3·7	29·2	4·5	29·0	4·0	11
Noon	28·8	7·5	27·6	3·3	28·7	5·7	28·9	5·0	26·1	3·0	28·2	3·9	29·6	4·6	29·1	4·4	Noon
13h	28·9	7·9	27·8	3·8	28.7	5·6	25·2	1·9	24·8	1·9	28·1	4·1	29·2	4·6	29·1	4·9	13h
14	29·0	7·4	28·0	3·9	28·6	5·6	26·6	2·2	26·4	2·6	28·2	4·1	29·0	4·6	28·9	4·1	14
15	29·0	6·8	28·1	4·5	28·3	5·6	26·8	3·2	26·2	2·1	28·1	3·9	27·9	3·6	29·2	4·4	15
16	28·2	6·2	28·1	4·9	28·5	5·9	27·6	4·5	24·1	1·9	27·8	3·8	27·9	3·9	28·2	4·0	16
17	27·7	5·9	27·0	4·3	27·7	5·3	27·7	4·0	24·7	1·7	27·3	3·5	27·8	3·7	28·0	3·8	17
18	26·8	4·7	26·1	3·8	26·9	4·7	26·0	2·5	26·0	2·9	25·6	2·8	26·8	3·0	27·2	3·1	18
19	25·3	3·3	25·5	3·0	25·4	3·4	25·1	2·1	24·9	2·2	24·9	2·5	26·0	2·7	26·2	2·2	19
20	25·0	3·0	24·8	2·7	24·8	2·8	24·1	1·8	24·0	1·8	23·6	1·8	25·1	2·0	25·8	1·8	20
21	24·6	2·9	24·1	2·1	24·8	2·5	23·6	1·6	23·3	1·3	23·6	1·5	24·8	1·7	25·9	1·9	21
22	23·2	2·2	24·0	1·9	24·5	2·3	23·1	1·4	23·3	1·3	23·9	1·5	24·6	1·5	25·8	1·7	22
23	22·7	1·9	24·3	2·1	24·3	2·1	22·9	1·6	23·0	1·2	23·2	1·1	24·3	1·3	25·7	1·5	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

JANUARY 1936.

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

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during JANUARY 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

JANUARY 1936.

Hour	1d. *		2d.		3d.		4d.		5d.		6d. *		7d. *		8d. *		9d.		10d.		11d.		12d. *		13d. *		14d. *		15d.		16d.	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	11	1·1	07	1·1	09	2·1	07	1·5	08	2·3	08	0·7	11	0·8	11	2·5	10	1·4	11	0·6	09	3·3	11	2·3	11	1·1	10	1·4	10	1·8	10	1·1
1h	11	1·2	11	0·9	10	1·9	07	1·3	08	2·1	08	1·3	11	0·9	10	2·2	10	1·1	14	0·7	10	3·6	11	1·7	11	1·1	12	1·8	10	1·8	10	1·6
2	11	1·1	11	0·7	11	1·4	07	1·1	08	1·6	08	0·9	11	0·7	09	2·3	12	3·0	14	1·0	10	4·4	11	1·8	06	1·5	15	4·7	10	1·2	10	1·1
3	11	1·2	11	0·6	10	1·9	07	2·0	08	2·0	08	1·7	14	1·2	12	1·3	12	2·5	12	1·3	10	3·9	12	1·9	11	1·3	13	3·3	10	1·0	10	2·0
4	11	1·7	11	1·1	11	1·8	09	2·3	08	2·2	13	1·2	14	1·7	11	0·9	13	2·4	11	1·8	10	4·2	12	1·8	11	2·0	d24	1·6	10	0·7	10	1·7
5	11	1·4	11	1·1	07	1·8	09	1·3	09	2·1	13	1·4	14	1·3	11	1·7	13	2·9	11	1·5	10	3·5	12	2·4	13	1·9	28	2·1	10	0·8	10	1·4
6	11	1·1	11	1·9	11	1·9	09	2·1	09	2·0	13	1·0	10	1·0	11	1·6	13	2·3	11	1·7	11	3·1	13	1·6	12	1·3	d06	3·2	10	1·3	10	2·2
7	11	0·7	11	0·7	11	2·1	09	2·1	10	2·3	13	1·0	12	0·9	11	1·1	13	2·1	12	2·1	09	3·5	13	1·6	10	2·0	08	2·9	10	1·2	10	2·8
8	r03	0·7	12	1·9	09	3·3	06	3·0	08	3·0	08	1·5	11	2·0	11	2·8	12	3·0	10	4·8	12	4·8	10	3·1	11	2·5	10	2·5	10	1·5	09	2·3
9	28	1·7	10	1·8	08	3·0	07	3·5	04	3·7	05	1·3	10	2·0	11	3·2	12	3·5	10	3·1	10	5·2	10	3·1	08	1·9	03	2·4	10	2·1	06	4·0
10	27	1·7	11	2·6	08	3·4	07	4·1	06	4·3	03	1·9	08	1·5	09	3·8	12	3·2	12	5·7	11	5·4	08	3·3	10	1·7	06	2·9	03	1·9	06	3·8
11	29	2·0	10	3·6	08	3·5	06	4·1	06	4·6	07	2·2	04	2·4	08	3·5	12	3·1	12	6·3	12	5·7	09	3·7	06	3·0	03	4·3	04	2·0	06	3·8
Noon	29	3·0	11	3·9	09	4·0	08	4·4	06	4·2	d21	1·4	r20	2·1	08	3·9	10	3·4	11	5·4	10	5·1	r27	1·8	d18	2·2	04	3·0	05	2·9	07	3·9
13h	28	2·9	11	3·4	08	3·7	08	5·0	07	4·8	r05	2·5	22	2·2	11	4·5	09	3·9	10	6·0	12	4·7	20	2·7	d27	2·7	05	3·1	05	3·1	09	4·0
14	24	3·1	08	4·6	08	4·5	08	5·0	07	4·7	d17	1·1	19	2·0	d19	3·5	10	3·4	12	6·6	09	5·0	23	0·9	r12	2·5	06	3·5	04	2·8	08	3·9
15	25	2·6	09	4·2	05	4·9	08	5·4	07	4·6	17	0·7	14	1·0	18	3·5	11	4·0	10	6·7	09	4·6	r14	3·1	12	3·4	06	3·9	07	2·1	07	4·1
16	28	2·2	09	4·7	08	2·7	07	5·1	07	4·3	r07	1·7	21	0·6	25	3·2	11	3·5	09	6·1	11	4·4	15	3·0	05	3·5	06	3·4	07	2·2	06	4·0
17	r12	3·6	09	4·1	06	3·7	07	4·9	07	4·3	08	1·1	21	1·4	d03	1·8	12	3·7	11	6·4	11	4·5	13	2·0	11	1·0	06	3·2	09	2·4	07	2·9
18	12	2·0	12	3·7	07	3·3	07	4·5	08	3·5	04	1·4	r10	2·3	d11	2·0	12	3·6	11	4·4	10	3·5	07	1·1	11	1·3	06	2·7	08	1·4	08	3·1
19	13	1·4	10	2·5	08	2·8	07	3·7	08	2·5	07	1·1	11	1·4	10	2·0	11	2·1	11	3·1	13	2·7	11	1·1	08	1·8	09	2·0	08	2·1	09	2·9
20	13	1·2	11	2·6	08	2·6	08	2·5	08	1·4	07	0·7	11	1·7	11	2·0	10	2·1	10	2·5	14	2·7	11	1·1	12	1·4	09	1·8	08	2·3	10	2·9
21	13	1·4	10	1·8	08	2·1	08	2·7	07	1·5	07	1·1	10	2·7	11	2·4	10	1·4	10	2·1	14	1·8	10	2·1	10	1·1	09	1·7	09	2·1	10	4·1
22	09	1·5	09	2·1	07	2·3	08	2·3	05	1·2	11	0·6	09	1·1	10	1·9	11	1·3	10	2·3	14	1·5	11	1·8	10	2·0	10	1·8	09	2·0	10	4·1
23	07	1·6	11	2·1	08	2·0	07	2·0	08	1·1	11	0·7	11	1·6	12	2·9	11	0·7	10	2·6	11	2·1	11	1·3	10	2·5	11	1·7	09	1·8	09	4·1

Hour	17d.		18d.		19d.		20d.		21d		22d.		23d.		24d.		25d.		26d. *		27d. *		28d.		29d.		30d.		31d.		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	09	3·7	09	4·7	09	4·8	08	5·2	08	2·6	11	2·5	10	1·1	09	0·6	07	0·9	07	1·6	23	0·6	07	1·1	08	1·8	07	1·1	10	1·7	1·9
1h	09	3·0	09	4·7	08	4·8	08	4·6	08	2·5	07	1·8	10	1·2	09	0·9	07	2·1	07	1·2	23	0·6	07	1·2	06	1·4	07	1·1	10	1·4	1·9
2	08	3·6	09	4·1	09	4·7	09	4·4	08	2·8	08	2·3	10	1·2	09	1·1	07	1·1	07	1·4	23	0·6	07	1·1	06	1·7	07	1·0	10	1·9	2·0
3	09	2·3	09	4·8	08	4·7	08	3·7	08	3·2	08	2·9	10	1·2	09	1·3	07	1·4	07	1·1	23	1·0	11	1·3	06	1·3	07	2·0	10	1·8	2·0
4	08	2·3	08	4·4	09	4·4	08	3·2	09	3·0	09	3·0	10	1·1	09	1·4	07	1·4	11	1·3	23	0·7	11	1·1	06	1·4	07	1·7	10	2·0	2·0
5	07	2·5	08	4·3	08	5·1	08	3·4	09	3·0	09	3·6	10	1·4	09	1·7	07	1·2	11	1·1	23	0·8	11	2·1	06	1·4	07	1·5	10	2·3	2·1
6	08	1·5	08	4·2	09	4·8	09	3·4	10	2·7	10	2·8	10	1·5	09	1·8	07	1·0	11	1·4	23	0·6	11	2·7	06	1·9	07	1·6	10	2·7	2·1
7	08	2·8	07	4·4	09	5·1	09	5·5	10	3·1	08	2·9	10	0·9	08	2·4	07	1·4	11	2·2	23	1·0	11	2·3	07	1·9	07	2·0	10	2·2	2·2
8	08	4·0	07	5·7	09	5·8	09	5·4	08	3·2	09	4·1	10	1·9	08	3·7	04	2·9	06	2·4	20	1·9	08	3·2	05	3·6	08	2·2	08	3·2	3·1
9	08	4·2	09	5·4	09	5·6	08	6·6	07	4·9	11	4·2	06	2·0	05	4·0	06	2·6	07	2·9	21	2·2	08	3·0	04	4·1	06	3·2	07	3·6	3·4
10	08	5·3	09	6·0	09	5·6	10	6·0	06	4·5	08	3·0	09	3·1	06	4·1	04	4·2	08	1·3	22	2·7	06	3·7	03	4·3	04	4·1	09	3·1	3·6
11	08	5·3	05	5·6	08	5·9	09	6·7	06	4·9	06	4·5	10	3·8	07	4·3	05	4·0	08	0·9	25	2·8	05	3·5	03	5·5	06	3·0	09	3·1	3·9
Noon	08	5·6	08	5·7	07	6·5	08	5·7	06	4·9	06	5·1	08	2·8	04	3·6	04	3·7	d01	1·1	21	3·6	06	3·4	02	4·8	06	3·7	08	2·9	3·8
13h	07	5·6	08	6·6	09	6·0	08	4·0	06	4·6	04	4·6	12	3·1	05	4·0	03	3·7	31	1·2	23	2·6	04	4·0	02	5·3	06	3·0	07	2·4	3·9
14	08	4·1	09	7·0	08	6·2	09	5·1	07	5·1	08	2·6	07	3·0	04	3·8	03	4·1	30	1·8	25	3·0	03	4·2	02	5·5	06	4·1	09	3·0	3·9
15	08	4·8	08	6·6	09	6·5	08	5·4	06	5·3	08	3·1	06	3·3	04	3·7	03	3·4	31	1·8	25	2·2	03	3·8	02	5·6	06	3·3	12	3·5	3·9
16	08	4·4	09	6·0	09	6·6	10	6·2	07	4·8	07	3·1	08	2·8	03	4·1	03	3·0	24	1·2	27	2·1	03	4·0	03	4·8	06	3·5	10	4·6	3·7
17	08	5·2	09	6·1	09	7·8	08	5·6	08	4·6	06	3·1	09	3·0	04	3·8	02	3·1	24	0·7	27	1·4	07	4·3	03	4·0	07	3·5	11	3·8	3·6
18	08	4·8	09	4·6	09	6·3	09	4·5	08	3·7	10	1·7	09	3·0	05	3·4	01	3·0	24	0·9	25	1·4	05	2·3	03	3·5	06	3·2	11	3·2	3·0
19	08	4·4	10	4·4	09	6·1	09	3·5	09	3·7	10	2·9	09	2·6	06	2·2	01	2·4	24	1·1	23	1·0	06	1·8	03	2·2	07	2·0	11	2·0	2·5
20	08	3·9	08	4·9	09	5·2	09	3·3	06	2·2	10	2·0	09	2·4	06	1·3	02	1·1	23	1·0	d06	1·1	07	1·8	04	1·4	07	1·8	12	1·3	2·1
21	08	4·0	09	4·4	08	5·2	09	3·5	08	3·6	10	1·5	09	2·0	06	1·7	07	0·6	23	0·6	06	0·6	07	1·8	07	1·2	r07	1·8	12	0·7	2·1
22	09	4·4	08	4·7	09	6·0	09	3·5	03	3·5	10	1·8	09	1·5	07	1·6	07	1·5	23	0·7	06	1·1	07	1·6	07	2·0	07	1·4	12	0·9	2·1
23	09	4·2	09	4·8	08	5·3	09	2·5	08	3·4	10	1·3	09	1·4	07	1·1	07	1·5	23	0·8	06	1·4	07	2·0	07	1·2	10	1·2	12	0·8	2·0

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), JANUARY, 1936.

Hour	Force (0–12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	...	31	...	...	...	1	13	6	9	1	...	...	...	...	1	...	...	...
9	...	2	29	...	...	5	4	11	6	3	...	...	...	1	...	...	...	1	...
15	...	4	27	1	1	4	4	11	1	3	2	1	1	...	...	2	...	...	...
21	...	...	31	...	...	...	2	16	7	4	1	...	...	...	...	1	...	...	...
Totals	...			1	1	9	11	51	20	19	4	1	1	1	...	4	...	1	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JANUARY, 1936.

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
	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	mm	mm
1h	...	..	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	..	...	...	..
2	...	...	2·7	...	...	...	...	...	...	...	...	...	...	12·0	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	0·1	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	32·5	...	...	...	...	...	...	...	1·4	...	0·1	0·1	...	0·1	0·1	...	0·1	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	48·8	...	...	1·0	0·1	...	...	1·4	...	...	...	...	..	...	...	0·9	...	...
5	...	...	0·5	1·3	...	...	...	...	...	...	...	...	...	1·0	...	...	1·7	...	...	...	...	...	...	...	0·1	..	...	...	0·2	...	...
6	...	...	1·3	0·2	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	4·1	..	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	1·2	...	..	...	...	...	...	...	...	...	0·1	...	0·7	0·3	...
9	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...	...	0·4	...	...	..	...	...	...	...	0·4	...	...	...	..	..	...
10	...	...	...	...	...	...	...	...	...	0·5	...	..	...	...	...	...	...	0·2	...	...	.	0·1	...	...	...	...	...	...	0·9	...	...
11	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	..	...	...	...	...	...
Noon	...	...	...	...	...	...	5·0	...	...	...	...	...	...	...	...	...	...	2·0	...	...	...	..	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	15·0	...	..	0·1	...	0·6	1·5	...	...	...	1·4	...	...	4·3	...	...	...	1·0	...	...	...	...	...	...	...
14	...	...	...	...	...	...	41·0	...	...	...	...	1·0	3·5	...	...	...	0·5	...	...	0·2	...	6·1	0·1	...	..	...	...	...	...	...	...
15	...	...	...	...	...	...	6·0	...	...	...	...	...	...	...	...	...	...	...	0·1	...	0·2	...	...	...	...	...	...	...	...	...	...
16	...	...	..	...	...	...	...	10·0	...	...	...	..	1·0	...	..	...	...	0·1	...	...	0·5	...	0·1	...	...	...	...	...	...	...	...
17	...	...	0·3	...	...	...	...	14·8	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	...	...	...
18	0·2	...	0·9	...	...	...	...	...	...	...	..	0·1	0·1	...	..	...	...	0·1	...	...	...	...	...	..	...	...	..	0·1	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	1·5	..	0·1	...	...	...	...	...	...	...	0·1	...	...
20	...	...	...	...	.	...	...	...	...	...	...	..	0·1	...	...	..	...	...	...	...	0·8	...	...	...	...	3·1	...	...	...	...	...
21	...	...	...	...	...	...	..	...	...	...	...	...	0·1	...	...	...	...	...	...	...	1·2	...	...	...	...	...	...	...	...	...	...
22	...	...	..	...	...	...	..	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·2	...	...	...	...	0·4	...	0·3	..	...	...
24	...	0·7	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR JANUARY, 1936.

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
	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	mm	mm
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	1·8	...	...	...	...	...	...	...	..	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	11·6	...	...	...	...	...	...	0·1	...	...	...	0·9	...	0·1	...	...	...	...	...	0·3	...	...	...	...	...	1·3	...	...	...
4	...	...	1·9	...	...	...	...	...	...	...	...	...	0·1	0·7	...	0·9	...	...	...	...	0·2	1·6	...	1·4	...	...	...	0·3	...	...	...
5	...	...	0·2	0·1	...	...	...	...	...	0·1	...	...	...	2·2	0·1	1·1	...	...	0·1	...	...	0·6	...	0·1	...	...	...	...	...	...	...
6	..	...	...	...	0·4	...	...	...	..	...	0·1	...	...	...	...	1·1	0·2	...	...	...	...	0·2	0·3	...	...	...	...	...	...	...	...
7	...	...	0·2	0·1	...	...	...	0·1	...	0·1	0·3	...	...	...	...	0·5	0·1	...	...	...	0·4	...	...	0·1	...	...	...	...	...	...	...
8	...	...	2·9	...	...	...	0·1	...	...	...	...	...	...	0·1	...	0·1	0·2	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	1·6	...	...	...	...	7·1	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	..	0·3	...	...	...	0·1	...	...	5·4	...	...	2·1	...	2·9	...	...	...	...	2·9	...	...	...	...
11	...	...	...	...	...	...	...	...	...	0·2	...	...	1·2	...	...	...	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	0·3	...	...	2·0	0·3	...	...	...	...	...	65·6	...	0·5	0·2	..	...	...	1·4	2·3	...	...	...	...	...	0·8	...	...	...	...
13h	...	...	...	...	...	18·3	13·9	...	...	...	...	4·0	9·1	...	...	...	...	...	...	0·5	...	...	...	...	...	...	0·1	0·3	...	...	...
14	...	...	...	...	...	18·4	14·6	...	...	...	...	2·5	...	...	30·5	2·0	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...	...
15	...	...	0·7	...	...	3·6	1·2	...	...	...	...	...	...	...	2·2	...	...	...	2·2	...	...	0·3	...	...	...	...	...	...	...	...	...
16	...	...	4·3	...	...	...	...	...	...	...	...	...	...	1·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	3·1	...	...	1·0	...	...	...	...	...	...	...	0·3	...	...	...	...	2·1	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	..	...	...	...	..	...	...	...	3·2	...	...	...	...	0·4	0·3	...	0·5	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	0·7	0·2	...	...	0·2	...	...	...	...	...	0·3	...	...	...
20	...	..	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	..	...	.	0·2	...	...	...
21	...	...	...	...	...	...	...	..	0·5	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	.	...	...	...	...	...	...
22	...	...	...	...	...	0·2	.	...	..	...	...	...	...	...	...	...	...	0·1	...	..	...	...	...	...	...	...	...	0·5	...	...	...
23	...	1·3	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	..	0·4	...	...	...	...	..	...	...	...	...	...
24	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	..	...	...	...	...

TABLE XV c—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS GROUPED ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF JANUARY 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	5·08	129·0	8·23	15
	St. Antoine	50	3·38	85·9	6·98	16
	Belmont	50	4·23	107·4	7·69	16
	Poudre d'Or	20	6·80	172·7	7·09	17
	Mon Loisir S. E.	300	3·09	78·5	8·18	12
	Forbach	300	6·10	154·9	8·43	18
	Couroupa...	...	6·33	160·9	11·33	12
	Labourdonnais	290	7·50	190·5	8·96	14
	Mapou (Water Office) ...	...	7·52	191·0	...	9
	Beau Séjour	300	4·33	110·0	9·51	18
	Mont Piton	650	7·01	178·1	10·47	16
	Mon Choix	700	6·64	168·7	10·42	15
	Antoinette	640	9·05	229·9	9·88	20
	Mon Songe	620	6·89	175·0	10·08	16
	Botanical Gardens... ...	325	11·40	289·6	9·59	23
	The Observatory	179	9·81	249·3	8·16	24
	Solitude	175	14·09	357·9	6·96	15
	St. André (Cour)	90	9·00	228·6	7·79	11
	La Nicolière	...	11·43	290·3	13·37	23
	California	...	8·52	216·4	9·76	16
	Australia	...	7·34	186·4	...	17
2 & 3	Union Réguard S.E.(Flacq)...	600	7·09	180·1	9·87	19
	Constance d'Arifat L.G. ...	100	5·08	129·0	8·94	17
	Rich Fund	600	6·66	169·2	10·96	23
	La Joffrette	...	8·87	225·3	...	14
	Belle Vue (Allendy) ...	...	4·11	104·4	11·28	14
4	Sans Souci	900	13·33	338·6	16·53	24
	Beau Champ (G.R.S.E.) ...	20	4·31	109·5	8·12	20
	Olivia	400	8·73	221·7	11·33	21
	Trois Ilots	...	5·62	142·7	...	20
	Belle Rive	400	10·75	273·1	14·28	25
	Sébastopol	700	...	...	...	...
	Bonne Veine	400	16·35	415·3	18·33	22
5	Rose Belle	850	17·37	441·2	18·04	23
	New Grove	650	15·13	384·3	...	22
	Mon Trésor	...	13·47	342·1	...	24
	Mon Désert (Carié) ...	75	10·55	268·0	7·85	18
	Ferney	20	13·04	331·2	12·35	23
	Sauve Terre	...	11·73	297·9	...	15
6	Tivoli	1,300	15·83	402·1	15·63	28
	La Flora...	1,050	13·79	350.3	17·58	23
	Riche Bois (Brit.) ...	650	13·51	343·2	15·21	21
6	Britannia (Estate) ...	700	12·92	328·2	13·33	22
	Savannah (Mill) ...	200	9·18	233·2	10·89	13
	St. Aubin	300	11·77	299·0	10·76	16
	St. Avold	900	14·86	377·4	14·05	24
	Colmar	400	12·97	329·4	12·85	21
	Union S. E.	...	13·82	351·0	9·86	14
	Fontenelle	320	14·65	372·1	10·77	13
	Choisy	200	10·84	275·3	10·35	14
	Beau Bois	...	10·60	269·2	10·73	21
	Bel Air	...	9·22	234.2	9·67	14
	St. Félix	...	13·32	338·3	...	16
7,8,9&10	Bel Ombre	40	8·39	213·1	9·25	14
	Beau Champ (B.du Cap)	70	10·95	278·1	8·66	15
	Frédérica	...	9·43	239·5	8·78	14
	Pierre Fond	...	9·79	248·7	10·51	21
	Ste. Marie	...	10·95	278·1	...	16
	Hussonia Limited ..	...	6·19	157·2	...	12
11	Curepipe Gardens ...	1,340	15·12	384·0	16·71	23
	Mare aux Vacoas (G.E.)	1,850	13·75	349·3	19·51	22
	Mare aux Vacoas (Arn.)	1,830	11·27	286·3	17·85	22
	La Marie Filter Bed ..	1,700	11·32	287·5	14·87	19
	Sophie	...	11·53	292·8	...	19
	Réunion	1,420	11·44	290·6	13·10	20
	Aerological Station ...	1,393	11·18	284·0	13·40	26
	Phœnix	...	13·33	338·6	12·76	16
	Quatre Bornes... ...	...	9·89	251·2	...	14
12	Quatre Bornes (Board) ...	1,090	10·28	261·1	...	15
	Le Réduit (D. of A.) ...	1,000	11·11	282·3	10·00	31
	Alma...	1,460	16·26	413·0	17·83	25
	Bagatelle	1,250	16·40	416·6	11·66	19
	Highlands	1,300	13·27	337·1	14·10	18
	Trianon	950	11·24	285·5	10·30	17
	Val Ory	1,100	13·07	332·0	10·65	23
	Bassin	...	5·73	145·5	10·56	15
	Hermitage	1,450	20·20	513·1	17·16	19
	Ebene	...	11·92	302·8	...	19
	Bega...	...	11·45	290·8	...	19
	Mon Rêve	...	11·66	296·2	...	17
	Mont Pevril	...	10·94	277·9	...	19
	Minissy	1,150	10·87	276·1	12·30	17
	Plaisance	...	12·93	328·4	...	16
	La Ferme	350	6·50	165·1	8·52	18

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of JANUARY 1936.

Day \ Type.	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		•		°		°		•			°		•		°		°		°		°	
1	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	10¼	52	5·1*	360	...	315	3·8	330	3·2*	...	...	315	3·5	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	195	...
19	...	...	..	...	...	...	...	...	...	...	...	...	...	12¼	75	22·5	75	20·2	...	...	...	...	...	...	...	...
20	11¾	...	...	90	22·9*	...	...	...	...	60	7·6*	...	...	15¼	...	...	90	18·6	...	...	75	3·4	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..
22	10¼	75	24·2	...	...	240	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	..	...	...		...	...	...	...
24	11¾	360	2·9*	45	8·8*	...	...	...	...	...	...	...	...	14¾	60	9·3	90	15·1	...	...	...	...	...	...	...	...
25	9¼	...	...	45	3·9*	...	...	...	...	330	1·2*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	11½	...	...	60	10·4	60	...	...	...	90	...	90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec.

* Observatory Pamplemousses.

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NEW SERIES (MONTHLY) VOL. XXII. PART 2. R. 075

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

FEBRUARY, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1936

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF FEBRUARY 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HRE : 10000	ZRE : 10000
FEB.								
1	13°06'·2	.22507	.29707	6'·8	22	27	49	80
2	06·7	510	704	10·0	68	29	153	86
3	06·4	504	705	5·0	50	18	113	54
4	06·6	511	704	13·2	44	32	99	95
5	06·6	510	706	7·9	26	19	59	56
6	06·2	523	703	20·5	42	36	95	107
7	08·0	521	705	18·8	29	31	65	92
8	06·6	533	706	18·0	60	46	135	137
9	07·0	523	706	11·5	45	24	101	71
10	06·2	518	707	16·5	30	39	68	116
11	07·6	513	709	10·8	23	21	52	62
12	06·6	518	709	16·5	24	35	54	104
13	07·0	529	710	9·3	19	24	43	71
14	06·8	531	713	15·5	70	24	158	71
15	0·68	518	718	12·5	52	35	117	104
16	06·9	510	719	14·3	65	27	146	80
17	07·2	504	723	6·5	84	13	189	39
18	07·8	498	724	12·0	43	17	97	51
19	07·8	501	724	9·0	59	21	133	62
20	07·6	508	722	11·8	63	20	142	59
21	07·4	503	724	13·5	77	24	173	71
22	07·2	498	723	10·0	55	22	124	65
23	07·4	504	723	13·0	59	37	133	110
24	07·7	502	721	10·0	22	26	49	77
25	07·5	515	718	14·0	52	33	117	98
26	07·5	498	719	15·0	83	33	187	98
27	07·4	498	720	14·0	42	31	95	92
28	07·3	511	716	13·5	33	43	74	128
29	07·7	518	718	10·0	59	16	133	48
...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...
Mean	13°07'·09	·22512	·29714	12·39	48·3	27·7	108·3	82·3

Description of the Principal Magnetic Disturbances.

Declination.—16d. 14h. 45m. Sudden commencement of a faintly disturbed period.
20d. early part—faintly disturbed.
22d. early part—faintly disturbed.

Horizontal Force.—9d., 10d. & 11d. Very faintly disturbed at times.
14d. 13h. 25m. Sudden commencement of a slightly disturbed period.
16d. 14h. 45m. Sudden commencement of a slightly disturbed period. This lasts throughout 17d. and ends at 18d. 0h.
19d. at end and early part of 20d. Slighty disturbed—large irregular positive waves (30γ) in succession.
21d. at end and 22d. Slightly disturbed.
26d. at end. Small irregular fluctuations.

Vertical Force.— 9d., 10d. and 11d. Frequent Small pulsations throughout.
14d. from 13h. 45m. Frequent small pulsalions.
16d. from 14h. 45m. Frequent minor pulsations.
19d. and early part of 20d. Important oscillations (5γ to 7γ) at times on a comparatively quiet trace.
21d. at end and 22d. Faintly disturbed.
26d. at end, small irregular fluctuations.

T=·37279 : Mean Dip=52° 51'·13 : (X=·21924 : Y=—·05109 : Z=·29714).

† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of FEBRUARY 1936.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
d h m	° '	d h m		d h m	° '	
7.13·17	13°05.0	1· 9·37	·22508	7.12.57	52.47.7	·29695
14·14·43	12·57·7	5· 9·34	·22520	14·14·34	52·47·7	·29705
25·14·23	13·01·5	8· 9·47	·22536	25·14·37	52·47·9	·29698
		12· 9·00	·22521			
		29 11·39	·22555			

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

FEBRUARY 1936.

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	...	...	Mean	Day. / Hour
	12° +																
Midnight	67·5	68·5	68·5	70·0	69·3	68·0	67·5	68·5	67·2	68·0	69·0	67·5	68·0	...	...	67·7	Midnight
1h	66·0	68·5	68·0	66·5	68·0	69·0	68·0	68·0	67·0	68·0	68·0	67·5	67·5	...	...	67·5	1h
2	67·0	67·5	68·0	68·5	68·0	69·0	66·5	67·5	66·5	68·0	67·5	66·5	67·5	...	...	67·4	2
3	67·5	67·3	67·5	69·3	67·5	67·5	67·5	67·5	67·3	67·5	67·0	66·5	67·5	...	...	67·4	3
4	66·7	67·3	67·5	68·5	67·7	67·3	67·5	66·5	67·5	67·5	66·5	66·7	67·5	...	...	67·4	4
5	65·5	67·0	67·0	66·7	67·0	65·0	67·5	67·0	67·5	66·5	66·7	67·0	67·5	...	...	67·5	5
6	65·0	67·3	66·0	65·5	66·5	65·5	67·5	68·0	67·0	66·5	66·7	67·0	67·5	...	...	67·0	6
7	64·7	69·0	66·3	67·0	68·0	68·5	68·5	69·0	68·0	68·5	65·0	68·5	68·5	...	...	68·0	7
8	65·0	71·0	68·5	69·5	71·0	70·5	70·5	71·0	71·0	71·0	69·0	71·0	71·0	...	...	69·9	8
9	67·0	74·0	71·0	72·0	73·5	72·0	73·0	73·0	74·5	73·0	72·3	73·0	73·0	...	...	72·1	9
10	70·0	74·5	73·0	74·5	74·5	71·0	74·0	73·0	75·0	74·5	73·5	73·5	73·0	...	...	72·8	10
11	70·0	72·0	70·0	71·0	72·0	69·0	72·0	72·0	72·5	72·0	73·0	73·0	72·0	...	...	70·9	11
Noon	68·5	68·0	68·0	67·3	67·0	65·5	68·5	68·5	69·0	69·0	71·0	70·0	70·0	...	...	67·6	Noon
13h	66·0	65·0	65·5	64·5	63·5	62·5	64·0	65·0	65·0	64·0	65·0	66·0	66·5	...	...	64·0	13h
14	64·5	63·0	64·5	63·0	61·0	62·0	61·0	63·0	62·0	61·0	61·0	62·0	64·0	...	...	61·6	14
15	63·5	62·5	64·0	62·7	61·5	63·0	61·0	63·0	61·0	59·5	59·5	60·0	63·0	...	...	61·3	15
16	64·0	63·0	64·7	64·5	63·0	64·5	62·5	64·0	62·0	61·0	61·5	61·0	63·0	...	...	62·4	16
17	67·0	65·5	67·0	67·0	65·0	66·5	65·0	66·5	64·5	65·0	65·0	64·0	65·0	...	...	64·8	17
18	68·0	67·0	67·5	67·5	66·7	68·5	66·5	67·5	67·0	67·0	67·0	66·0	66·5	...	...	66·3	18
19	69·0	67·0	67·5	67·0	66·5	68·5	66·7	67·0	67·0	67·3	68·5	67·0	67·0	...	...	66·8	19
20	69·5	67·5	68·0	67·3	67·0	67·5	67·0	67·5	67·5	67·5	68·0	67·3	67·0	...	...	66·9	20
21	70·0	68·0	68·5	67·3	67·5	67·0	67·5	67·5	67·5	69·0	69·0	67·5	67·3	...	...	67·4	21
22	72·0	68·0	69·5	67·5	70·0	67·0	68·0	67·5	67·3	68·7	69·0	68·0	67·5	..	...	67·8	22
23	69·0	68·5	70·3	68·0	67·5	67·0	68·5	67·3	68·0	68·5	68·0	68·0	68·5	...	...	67·7	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 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour
	·22000 + (C.G.S. UNIT).																
Midnight	502	499	470	505	502	513	515	520	510	521	512	511	521	525	513	510	Midnight
1h	510	505	480	510	500	514	513	521	508	520	517	510	522	524	512	513	1h
2	502	503	483	513	503	514	513	521	519	520	517	519	523	525	512	510	2
3	507	500	500	512	507	516	515	525	518	518	512	520	525	528	511	510	3
4	509	503	493	510	506	515	515	525	521	521	515	519	529	529	513	510	4
5	502	505	497	520	510	520	518	525	521	520	517	519	528	530	517	520	5
6	507	505	505	518	513	521	521	527	523	522	518	520	529	530	522	520	6
7	515	510	514	520	520	521	525	532	530	525	515	523	535	531	530	530	7
8	520	510	509	520	520	519	525	536	540	526	507	522	540	531	537	540	8
9	513	514	507	524	518	510	523	537	544	523	500	518	540	529	533	533	9
10	510	520	515	525	517	508	525	542	540	516	509	512	535	528	526	527	10
11	510	535	520	533	519	525	523	565	542	517	517	517	540	540	523	522	11
Noon	512	540	518	529	523	549	542	569	545	526	520	522	538	559	529	525	Noon
13h	516	542	520	518	517	550	540	570	539	530	523	530	533	560	542	538	13h
14	513	538	514	513	513	550	535	555	530	530	516	532	538	560	540	530	14
15	507	530	507	513	513	543	525	537	531	523	515	525	530	549	530	525	15
16	510	520	501	510	505	535	519	532	530	520	515	515	529	548	517	481	16
17	510	510	500	503	502	525	515	528	502	517	509	508	524	555	507	499	17
18	502	502	508	500	497	523	517	524	500	515	503	512	521	550	505	500	18
19	500	505	510	496	500	518	518	525	502	505	509	513	522	525	503	490	19
20	498	498	507	490	504	515	518	523	507	500	510	518	521	495	490	477	20
21	499	490	503	489	505	512	519	523	510	507	510	515	521	490	500	475	21
22	500	477	500	490	510	512	515	517	515	502	510	516	522	500	502	477	22
23	499	474	502	500	510	513	517	510	520	505	509	520	522	503	508	495	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	...	...	Mean	Day. \ Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	495	475	498	473	500	495	500	490	504	496	490	490	510	...	...	502·2	Midnight
1h	510	485	507	512	505	490	505	492	512	487	480	503	510	...	...	506·1	1h
2	520	491	505	490	507	485	525	490	515	490	489	505	512	...	...	507·6	2
3	522	490	505	491	505	493	507	500	512	500	500	503	512	...	...	509·1	3
4	525	490	510	490	502	495	508	515	510	502	508	504	512	...	...	510·5	4
5	527	490	510	500	507	505	508	508	513	510	500	502	514	...	...	512·5	5
6	523	492	513	510	514	517	507	505	513	512	502	506	514	...	...	514·8	6
7	525	500	523	510	520	520	510	508	519	513	512	513	514	...	...	519·4	7
8	537	500	524	507	518	515	509	501	520	510	511	516	519	...	...	520·3	8
9	528	500	521	505	510	510	505	493	523	505	510	512	522	...	...	517·6	9
10	515	498	519	505	502	515	510	495	525	505	502	520	530	...	...	517·1	10
11	522	499	510	520	510	525	508	500	530	520	510	523	540	...	...	522·9	11
Noon	522	510	507	531	525	510	520	509	540	530	520	520	559	...	...	529·4	Noon
13h	523	518	513	535	537	497	527	512	542	540	517	520	553	...	...	531·1	13h
14	523	513	520	536	530	490	529	511	540	530	513	520	535	...	...	527·5	14
15	515	505	500	530	520	497	520	505	532	510	510	515	520	...	..	520·1	15
16	500	498	489	520	502	493	518	500	527	499	500	511	518	...	...	512·5	16
17	490	494	488	510	493	485	500	496	515	490	485	509	512	...	...	506·3	17
18	470	490	582	502	465	475	485	500	490	480	483	508	510	...	...	500·7	18
19	465	489	480	500	460	470	483	503	491	470	478	509	505	...	...	498·1	19
20	460	491	497	500	470	473	477	502	500	460	481	508	500	...	...	496·2	20
21	457	508	472	508	477	492	472	498	506	468	480	509	505	...	...	497·2	21
22	453	502	465	505	490	499	470	500	500	457	485	509	508	...	...	496·8	22
23	490	505	490	500	497	501	490	500	497	473	485	509	503	...	...	501·6	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)

FEBRUARY 1936.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	710	709	710	709	709	709	707	708	710	711	11	712	713	716	720	720	Midnight
1h	709	709	709	709	709	708	707	708	710	712	711	712	712	717	719	720	1h
2	709	709	709	708	708	709	707	707	709	711	711	711	712	716	719	720	2
3	709	709	708	709	709	709	707	707	708	710	711	711	712	715	718	719	3
4	709	709	708	709	709	709	708	706	708	709	711	710	711	715	718	720	4
5	710	709	708	709	709	709	708	706	709	710	710	710	711	714	718	717	5
6	719	709	709	710	709	708	709	705	708	711	710	710	710	713	718	717	6
7	709	710	709	713	711	710	713	709	710	712	713	711	710	715	719	716	7
8	712	712	709	712	712	714	719	715	716	719	719	715	711	720	722	721	8
9	720	713	710	711	711	715	720	716	707	722	717	719	716	721	731	728	9
10	717	709	707	710	709	710	715	700	715	719	715	720	720	720	733	730	10
11	713	708	704	696	703	690	701	690	707	710	710	722	716	708	723	725	11
Noon	707	700	704	688	700	679	699	685	699	690	701	720	710	697	708	711	Noon
13h	697	693	695	681	697	680	694	670	693	689	700	705	703	699	698	703	13h
14	693	687	692	682	693	681	689	687	691	683	698	692	696	703	699	708	14
15	696	684	693	691	695	686	690	696	696	692	699	687	697	705	705	713	15
16	697	689	697	699	701	697	692	705	700	698	701	690	703	710	714	719	16
17	700	691	701	703	705	706	697	713	705	703	706	696	708	714	722	723	17
18	704	700	702	706	708	709	701	717	707	707	711	703	712	714	723	722	18
19	706	703	705	707	708	708	702	716	706	707	713	710	712	714	721	722	19
20	706	705	706	707	708	708	703	716	708	710	711	711	712	715	720	721	20
21	707	705	707	709	709	709	706	717	710	710	711	711	712	717	721	723	21
22	708	706	709	710	709	709	708	717	710	711	711	712	713	718	721	723	22
23	708	709	709	709	709	707	709	718	711	712	713	712	713	719	720	720	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	...	...	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	720	721	723	727	724	723	724	727	722	723	725	722	720	...	...	716·7	Midnight
1h	719	723	722	719	723	725	724	725	722	723	724	721	720	...	...	716·2	1h
2	720	721	722	722	721	724	721	723	721	722	723	721	719	...	...	715·7	2
3	720	722	722	723	721	723	722	722	721	721	721	720	719	...	...	715·4	3
4	719	721	721	722	722	723	723	720	721	720	720	720	718	...	...	715·1	4
5	718	721	721	721	722	722	723	721	721	720	720	720	718	...	...	715·0	5
6	718	723	722	721	722	723	725	723	721	720	721	721	718	...	...	715·6	6
7	717	726	723	722	725	729	730	727	724	723	721	722	720	...	...	717·2	7
8	721	731	729	728	731	731	735	731	731	729	730	729	723	...	...	721·6	8
9	727	733	732	730	734	733	739	732	732	730	733	731	725	...	...	723·7	9
10	730	733	731	730	732	727	736	727	729	727	730	727	721	...	...	721·7	10
11	723	729	729	717	721	721	730	721	714	719	725	720	716	...	...	714·2	11
Noon	720	720	720	710	713	715	717	718	701	710	718	712	711	...	...	706·6	Noon
13h	720	716	711	711	710	711	705	711	699	700	708	697	709	...	...	700·2	13h
14	719	717	712	713	709	712	702	706	699	697	702	688	709	...	...	698·6	14
15	720	721	718	717	715	714	707	709	703	700	703	690	711	...	...	701·8	15
16	724	726	725	722	722	720	715	715	709	710	711	700	714	...	...	707·8	16
17	728	730	731	727	727	726	721	721	717	719	719	710	718	...	...	713·3	17
18	729	729	730	727	731	728	725	722	722	721	723	717	721	...	...	716·2	18
19	727	726	727	724	730	729	724	721	721	722	723	718	720	...	...	716·3	19
20	727	725	726	724	729	728	726	722	722	724	722	719	720	...	...	716·6	20
21	726	723	726	723	728	726	727	723	722	726	723	719	720	...	...	717·1	21
22	728	722	727	724	731	725	729	723	722	726	724	719	720	...	...	717·8	22
23	721	723	729	724	725	724	728	724	724	726	723	720	721	...	...	717·6	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of FEBRUARY 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
FEB.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	967·0	26·5	2·6	22·1	77	26·3	Calm		10	22·3	26·5	28·0	24·2	29·8	21·6	8·2	0·7	5	6·7	52
2	966·9	27·9	4·4	20·5	64	23·9	Calm		7	23·4	25·0	29·2	23·0	29·6	22·6	7·0	0.0	...	11·0	85
3	967·3	26·3	3·4	20·6	71	24·0	Calm		7	21·7	24·7	27·0	22·3	29·4	21·1	8.3	0.0	...	10·0	78
4	967·0	25·5	2·2	21·8	80	25·9	75	1·8	9	20·9	26·0	27·4	22·9	28·4	20·8	7·6	0·0	...	11·2	87
5	968·1	25·5	2·2	21·8	80	25·9	110	3·6	6	21·9	24·0	26·9	22·3	27·8	21·7	6·1	1·5	16	9·8	76
6	966·9	25·5	3·0	20·4	73	23·7	105	6·7	6	21·8	24·1	26·0	22·0	27·0	21·6	5·4	8·3	154	10·0	78
7	965·6	25·3	1·9	22·1	82	26·3	90	2·7	7	22·0	25·0	26·6	23·3	27·6	21·6	6·0	2·3	26	6·5	50
8	965·6	26·2	3·0	21·1	73	24·8	90	4·9	4	21·8	25·0	26·0	23·0	28·0	21·7	6·3	9·1	39	10·1	79
9	965·4	26·3	3·4	20·6	71	24·0	110	3·6	10	21·6	24·8	25·6	22·9	27·5	20·6	6·9	2·6	37	6·9	54
10	962·6	25·3	1·8	22·2	83	26·5	Calm		10	21·7	24·1	27·0	23·4	28·8	21·5	7·3	2·1	4	7·7	60
11	963·5	27·4	3·6	21·4	70	25·2	Calm		7	22·4	26·5	27·0	22·9	29·6	21.7	7·9	0·1	1	5·6	44
12	964·2	27·4	4·1	20·5	66	23·9	Calm		8	20·9	26·8	28·2	23·5	29·0	20·5	8·5	0.0	...	6·8	53
13	964·2	26·4	4·3	19·1	64	21·9	110	3·6	3	22·3	26·0	26·7	22·3	28·4	21·7	6·7	0·0	...	9·5	74
14	964·7	25·7	5·7	16·0	55	18·0	125	3·1	1	20·7	25·3	27·4	22·9	28·5	20·4	8·1	1·3	28	11·7	91
15	966·1	26·5	3·7	20·3	69	23·6	110	5·8	7	22·3	25·2	27·0	23·6	28·0	21·5	6·5	4·0	60	11·3	89
16	965·2	22·7	0·9	21·1	91	24·8	110	4·9	10	22·0	22·4	26·0	21·9	27·5	21·5	6·0	19·7	190	3·2	25
17	965·1	20·7	0·4	20·0	96	23·2	75	5·4	10	22·0	20·5	23·2	20·1	23·4	20·0	3·4	15·2	198	0·4	3
18	961·9	26·1	3·0	21·0	74	24·6	70	2·7	9	20·9	25·5	26·6	22·0	28·4	20·3	8·1	35·4	76	3·4	27
19	964·6	25·0	0·8	23·6	92	28·8	340	5·4	10	22·4	23·9	25·3	23·8	25·9	21·7	4·2	24·6	133	1·3	10
20	966·0	24·9	1·1	23·0	89	27·8	300	4·0	10	23·8	24·0	25·2	24·0	26·4	23·0	3·4	12·6	60	0·9	7
21	965·2	26·9	3·5	21·0	70	24·6	300	1·8	4	23·0	24·9	26·0	22·3	28·7	21·4	7·3	44·5	124	5·3	42
22	963·7	26·1	2·4	22·0	78	25·2	270	0·9	4	20·6	26·6	26·9	23·5	28·5	20·0	8·5	0.0	...	7·9	63
23	962·7	26·1	1·8	23·1	84	28·0	10	1·8	8	22·3	25·2	28·6	23·0	29·6	21·8	7·8	1·7	13	9·0	89
24	961·4	25·5	2·8	20·7	75	24·2	345	4·0	9	20·5	26·6	27·0	24·4	28·3	19·9	8·4	2·3	17	9·7	77
25	959·5	24·9	0·6	23·9	94	29·4	270	7·2	10	23·1	24·1	25·5	22·4	26·8	22·4	4·4	2·0	24	4·4	35
26	961·2	25·5	3·4	19·7	70	22·7	180	3·1	5	21·5	24·3	26·5	21·6	28·6	20·8	7·8	0·0	...	11·5	92
27	962·8	25·0	3·5	19·2	70	22·0	130	7·2	1	20·6	22·9	24·4	20·6	26·2	20·6	5·6	1·1	14	10·8	86
28	964·0	25·9	4·7	17·9	61	20·3	130	7·2	1	20·9	23·9	26·0	21·6	27·2	20·1	7·1	0·0	...	11·3	90
29	961·3	24·4	2·9	19·4	74	22·3	110	4·5	8	20·6	20·8	25·9	22·0	26·9	20·6	6·3	0·5	16	7·6	61
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·0	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·0	...	...	...
Mean	964·8	25·6	2·8	20·9	75·7	24·6	...	3·3	6·9	21·8	24·6	26·5	22·7	27·9	21·2	6·7	191·6	1235	7·64	60·6
Average	963·7	24·8	2·4	20·8	78·6	24·5	...	3·6	6·9	...	...	...	...	26·8	20·7	6·1	303·4	...	7·04	55·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	41·0mbs.	Amount of rain	—	15·8mms.
Temperature of the Air	+	2·7°C	Duration of sunshine	+	38·6hrs
Vapour Pressure	—	2·3mbs.	Mean of maximum temperatures	+	2·0°C
Relative Humidity	—	5·4%	,, minimum temperatures	+	1·8°C
Velocity of Wind	+	0·1mps.	Absolute highest temperature	+	1·4°C
Amount of Cloud	—	0·7	,, lowest temperature	+	1·3°C

Greatest Rainfall intensity 40·9 mms. in 90 mins.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1936.

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
FEB.		mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min		mm
1	1007·3	+ 2·8	30·1	23·9	6·2	26·5	+ 0·6	1·8	23·5	+ 1·7	84	+ 5	28·7	21·1	30·0	84	6·2	4·5
2	1007·2	+ 2·8	30·1	24·6	5·5	27·0	+ 1·1	2·9	22·1	+ 0·3	74	— 4	26·3	22·7	3·7	10	7·2	3·2
3	1007·6	+ 3·2	30·1	23·5	6·6	26·4	+ 1·5	3·0	21·3	— 0·5	74	— 4	25·1	21·9	0·0	...	7·2	2·5
4	1008·3	+ 3·9	29·6	22·9	6·7	26·2	+ 0·3	3·0	21·1	— 0·7	74	— 4	24·8	20·0	0·0	...	7·0	3·9
5	1008·2	+ 3·9	29·5	23·2	6·3	26·1	+ 0·2	3·1	20·9	— 0·9	73	— 5	24·5	20·2	1·0	14	6·8	6·2
6	1006·7	+ 2·4	29·3	23·6	5·7	26·2	+ 0·3	2·7	21·6	— 0·2	76	— 2	25·5	22·2	12·4	75	6·7	6·5
7	1005·5	+ 1·2	29·5	23·7	5·8	26·4	+ 0·5	2·3	22·5	+ 0·7	79	0	27·0	21·3	0·5	20	7·4	6·6
8	1006·2	+ 1·9	29·9	23·7	6·2	26·4	+ 0·5	3·1	21·2	— 0·6	73	— 6	24·9	22·1	0·3	15	6·3	5·0
9	1005·4	+ 1·1	29·6	22·9	6·7	26·1	+ 0·2	3·1	20·9	— 1·1	73	— 6	24·5	21·8	0·1	5	6·5	5·0
10	1003·3	— 1·0	30·1	22·7	7·4	26·1	+ 0·2	2·6	21·7	— 0·3	87	— 2	25·7	19·5	0·3	12	5·0	5·1
11	1004·1	— 0·2	30·2	23·0	7·2	26·3	+ 0·4	2·2	22·6	+ 0·6	80	+ 1	27·1	20·1	19·2	67	6·1	5·9
12	1004·7	+ 0·4	30·7	21·7	9·0	26·2	+ 0·4	2·2	22·5	+ 0·6	80	+ 1	27·0	18·9	0·5	25	5·8	5·0
13	1004·7	+ 0·4	30·1	21·8	8·3	26·0	+ 0·2	3·1	20·8	— 1·1	73	— 6	24·3	19·8	0·0	...	5·4	5·3
14	1005·3	+ 1·0	31·0	21·9	9·1	26·1	+ 0·3	3·5	20·2	— 1·7	70	— 9	23·4	18·9	0·4	7	5·2	7·3
15	1006·5	+ 2·1	30·1	22·6	7·5	26·7	+ 0·4	3·4	21·0	— 0·9	71	— 8	24·6	20·1	0·1	5	5·9	4·4
16	1005·1	+ 0·7	29·2	23·4	5·8	25·8	0·0	2·1	22·2	+ 0·3	81	+ 2	26·5	20·6	4·1	50	6·3	7·3
17	1003·7	— 0·7	26·0	22·1	3·9	23·8	— 2·0	1·4	21·4	— 0·5	86	+ 7	25·2	21·8	77·9	343	*	8·3
18	1002·3	— 2·2	30·0	23·0	7·0	26·1	+ 0·3	2·0	22·7	+ 0·8	81	+ 2	27·3	20·5	7·5	50	2·4	6·3
19	1004·6	+ 0·1	29·3	23·6	5·7	26·9	+ 1·1	1·3	24·7	+ 2·8	88	+ 9	30·8	22·8	2·8	5	3·6	7·3
20	1006·1	+ 1·6	30·3	24·6	5·7	27·0	+ 1·2	1·5	24·5	+ 2·6	86	+ 7	30·4	22·9	5·6	33	4·0	7·1
21	1005·3	+ 0·8	21·0	23·8	7·2	26·5	+ 0·8	1·6	23·9	+ 2·0	85	+ 6	29·4	23·1	0·0	...	4·3	5·8
22	1003·8	— 0·8	31·1	22·8	8·3	26·6	+ 0·9	2·2	22·9	+ 1·1	80	+ 1	27·6	20·7	0·0	...	4·0	3·1
23	1002·7	— 1·9	31·2	23·1	8·1	26·8	+ 1·1	2·0	23·4	+ 1·6	82	+ 3	28·5	21·2	0·0	...	5·7	5·1
24	1001·2	— 3·5	31·1	21·9	9·2	26·9	+ 1·2	2·4	22·8	+ 1·0	78	— 1	27·5	19·2	0·1	5	7·2	5·5
25	999·5	— 5·2	30·3	24·1	6·2	27·3	+ 1·6	2·3	23·4	+ 1·6	79	0	28·5	23·7	6·9	23	6·8	7·6
26	1001·9	— 2·9	31·0	22·9	8·1	26·1	+ 0·4	2·9	21·2	— 0·6	74	— 5	24·9	20·1	0·0	...	6·0	3·2
27	1003·8	— 1·0	29·3	21·2	8·1	25·5	— 0·2	3·5	19·5	— 2·3	69	— 10	23·4	19·1	0·0	...	6·7	2·8
28	1004·7	— 0·1	29·8	22·9	6·9	25·7	0·0	4·0	18·9	— 2·9	66	— 13	21·6	21·4	0·0	...	7·9	2·1
29	1004·5	— 0·3	28·9	22·5	6·4	25·5	— 0·2	2·9	20·6	— 1·2	74	— 5	24·0	21·0	2·4	5	6·2	4·8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
Mean	1004·8	+ 0·3	29·9	23·0	6·9	26·2	+ 0·4	2·5	21·9	0·0	77·3	— 1·5	26·1	21·0	Sum 175·8	Sum 853	5·9	5·3
Aver.	1004·5	...	29·5	22·8	6.7	25·8	...	2·3	21·9	...	78·8	...	26·0	20·5	197·0	1910	5·5	6·0
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF FEBRUARY 1936.

Conditions were remarkably quiet for February. From the 1st to the 9th weak anticylonic weather prevailed. Between the 10th and the 13th a cyclone of little importance formed to the North of Rodrigues and moved S.E., passing to the east of Rodrigues and bringing a rainfall of 43 mms. there. On the 16th a "low" of small intensity formed to the north of Rodrigues and moved S.S.W., passing to the west of Rodrigues on the 17th—18th.

From the 22nd to the 28th Mauritius was on the outskirts of a cylonic system. This cyclone formed in the South of the Mozambique channel and, moving E.S.E. and E. by S., passed at a considerable distance south of Mauritius on the 24th—25th. It developed considerable intensity.

Temperature kept consistently above normal throughout the month except during short intervals. An abnormally high percentage of the possible sunshine was recorded, exceeding the normal value by more than 10%. An 11% deficit of the rainfall was recorded at the Observatory but with a considerable shortage in duration.

* Evaporimeter overflowed.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1936

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather
	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
FEBRUARY									
1	6·2	48	1·5	− 1·9	24·5	26·2	28·4	29·4	b_0 : b : bc : c RRt : bert ber_0 : bp .
2	12·4	96	2·7	− 0·7	24·6	26·3	28·5	29·1	ber_0 : bc : b .
3	11·6	90	2·7	− 0·7	24·5	26·2	28·5	29·3	b : bc b .
4	11·7	91	2·9	− 0·5	24·5	26·3	28·5	29·4	b : bc : b .
5	11·4	88	3·6	+ 0·2	24·5	26·3	28·6	29·5	bc : : bcq_0d_0 : bc : cr_0 c .
6	11·3	88	4·6	+ 1·2	24·5	26·3	28·5	29·1	cd_0 : cR : lcq_0 : cgr_0 : cr .
7	10·0	78	3·6	+ 0·2	24·7	26·4	28·5	29·1	bc : eq : bc ber .
8	10·7	84	3·9	+ 0·5	24·5	26·4	28·5	29·0	bd_0 : bc : bcd_0 : bcq_0 : bc : .
9	9·0	71	3·2	− 0·2	24·6	26·5	28·5	29·1	b : bc : c : cr_0 : bc : b .
10	8·8	69	2·0	− 1·4	24·4	26·3	28·5	29·0	b ; ber_0 : c : bc .
11	7·8	61	1·6	− 1·8	24·6	26·4	28·4	29·0	cr_0 : bc : crr : bc : b .
12	9·0	71	2·0	− 1·4	24·6	26·4	28·4	29·0	bcd_0d_0 bc : cr_0 : bc ; b .
13	10·0	78	2·2	− 1·2	24·7	26·6	28·4	28·9	bc : c : bc : b .
14	9·8	77	2·3	− 1·1	24·5	26·4	28·4	28·9	bc : c : bc : c : bcp_0 : bc .
15	12·0	94	3·4	0·0	24·7	26·7	28·4	28·9	cgr_0 : lc : b : bc : b .
16	7·6	60	3·3	− 0·1	24·5	26·4	28·4	28·7	ber : b : bc : cgr : bcq_0 : cr_0 : crr
17	0·1	1	3·3	− 0·1	24·8	26·6	28·4	28·1	orr : o : bc b .
18	4·0	32	1·9	− 1·5	24·9	26·7	28·3	27·4	b_0 . b : c : otl : orrtsm : bc .
19	3·1	30	2·3	− 1·1	24·8	26·9	28·0	27·8	betsm beg : og : or : ot : bc : bt .
20	4·7	37	1·5	− 1·9	24·9	26·7	28·0	28·0	betsm bert : c : cr_0t : cl : b .
21	4·9	39	1·5	− 1·9	24·8	26·6	28·0	28·5	bt : bc : ct : ctsm : ct : betsm : b .
22	9·3	74	1·5	− 1·9	24·8	26·6	28·1	28·6	b_0 : b : bc bct : c : b .
23	10·6	84	1·9	− 1·4	24·9	26·7	28·1	28·7	b : bc : c : bc : b .
24	11·7	93	2·5	− 0·8	24·8	26·6	28·3	28·9	b : bc : cr_0 : c .
25	8·9	71	3·7	+ 0·4	24·8	26·7	28·3	29·0	crr : ber : c : bc : b .
26	10·7	86	2·1	− 1·2	24·9	26·7	28·4	29·1	bc : b : bc : b .
27	11·3	90	3·6	+ 0·3	24·8	26·7	28·4	28·9	b : bc : b .
28	11·7	94	3·6	+ 0·3	24·9	26·8	28·4	28·7	b : bc : b .
29	9·8	78	3·2	− 0·1	25·0	26·9	28·4	28·6	b : ber_0l : bc : bt : bc .
...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	
Mean	8·97	70·8	2·69	−0·69	24·69	26·53	28·30	28·82	.....
Average	7·60	59·7	3·38	...	25·13	26·87	28·16	28·62	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF FEBRUARY 1936.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1011·1mbs	at 22·00hrs.	on 4th	998·0mbs	at 16 & 17hrs.	on 25th
Temperature of the Air	31·2°C	at 13·20hrs.	on 23rd	21·2°C	at 05·00hrs.	on 27th
Daily range of temperature of the Air ...	9·2°C	...	on 24th	3·9°C	..	on 17th
Temperature of the Dew Point	26·1°C	at 11.00hrs.	on 21st	17·1°C	at 23·00hrs. / 13·00hrs.	on 27th / on 28th
Daily range of temperature of the Dew Point	5·4°C	...	on 18th	1·2°C	...	on 3rd
Minimum on Grass	...	...	...	18·9°C	...	on 12th & 14th
Relative humidity	98·1%	at 23·00hrs.	on 20th	48·1%	at 13·00hrs.	on 28th
Vapour Pressure	33·5mps.	at 11.00hrs.	on 21st	19·3mbs	at 13·00hrs. / 23·00hrs.	on 27th / on 28th
Evaporation in 24 hours...	7·9mms	...	on 28th	2·4mms	...	on 18th
Wind Velocity	7·0m.p.s.	at 11·00hrs.	on 6th	0·6mps	...	often
Rainfall in 24 hours	80·3mms.	ending 12hrs.	on 17th	...	...	...
Duration of sunshine	12·4hrs	...	on 2nd	0·1hr.	...	on 17th

Mean Day Temperature of Air, 28·05°C. Average 27·63°C. Mean Night Temperature of Air, 24·44°C. Average 24·11°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	6	16	7	...	8	5	3	2	2	1	4

TABLE VIII.—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 55·2 metres above mean sea-level.)

FEBRUARY 1936.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.																
Midnight	071	071	080	079	092	081	064	062	070	048	043	050	052	059	066	068	Midnight
1h	070	070	077	079	088	076	059	058	066	040	040	048	050	051	061	064	1h
2	069	066	074	078	081	070	052	051	061	033	037	043	047	050	060	059	2
3	067	061	071	073	080	066	050	050	060	031	031	040	042	049	055	053	3
4	067	059	067	071	078	062	051	050	056	027	033	039	041	047	058	051	4
5	070	061	070	071	080	062	051	051	056	026	031	039	041	047	059	051	5
6	073	069	076	077	082	066	053	055	060	030	034	042	043	048	062	052	6
7	079	074	082	081	088	072	060	058	066	031	040	049	047	052	070	059	7
8	080	079	089	086	090	080	060	066	069	036	045	051	050	058	074	059	8
9	080	080	090	088	091	081	062	070	069	039	049	055	051	060	077	061	9
10	081	080	088	088	092	081	062	069	066	038	049	056	051	060	076	061	10
11	080	080	086	087	090	079	060	066	061	033	046	053	050	060	075	059	11
Noon	079	077	075	085	087	072	056	064	058	031	040	050	048	055	071	054	Noon
13h	076	074	071	081	081	067	052	061	051	029	038	046	040	048	064	047	13h
14	075	071	068	080	075	060	049	060	046	023	036	041	036	043	061	040	14
15	060	064	061	075	071	053	045	057	040	019	034	040	034	042	057	038	15
16	059	062	060	073	070	050	042	056	039	019	033	039	036	041	054	040	16
17	060	064	062	073	070	050	041	059	037	020	033	039	037	044	054	039	17
18	062	070	068	077	071	052	044	061	040	022	039	041	041	049	060	040	18
19	070	075	076	081	076	059	051	069	046	032	046	047	050	051	062	045	19
20	078	080	082	091	081	063	059	071	049	040	051	051	054	062	070	051	20
21	081	081	084	098	086	070	068	072	050	045	055	052	060	064	071	050	21
22	081	081	086	111	087	070	067	078	051	050	056	056	061	067	071	050	22
23	076	081	084	110	085	071	066	076	050	047	051	057	060	070	070	049	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	...	...	Mean	Day. / Hour
	The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.																
Midnight	046	031	039	063	056	059	037	031	001	011	039	060	051	...	...	1005·5	Midnight
1h	040	027	032	060	053	052	031	027	001	011	036	060	048	...	...	1005·1	1h
2	034	021	029	052	051	048	029	022	997	010	031	058	043	...	...	1004·7	2
3	029	013	025	050	049	040	021	020	991	007	029	051	040	...	...	1004·3	3
4	030	013	028	052	048	037	020	017	986	006	026	047	039	...	...	1004·2	4
5	033	014	030	055	051	032	020	014	986	008	025	045	036	...	...	1004·2	5
6	032	018	035	061	057	034	023	014	987	011	028	047	041	...	...	1004·5	6
7	041	023	041	069	061	037	028	018	990	015	031	051	046	...	...	1005·0	7
8	049	028	050	074	064	039	032	020	997	021	040	055	051	...	...	1005·5	8
9	060	029	058	075	067	042	037	021	999	024	042	056	054	...	...	1005·8	9
10	059	030	058	076	061	048	040	022	001	024	041	053	057	...	...	1005·8	10
11	041	025	058	073	060	042	034	021	001	022	041	049	051	...	...	1005·5	11
Noon	040	021	056	070	060	041	029	021	000	020	039	044	046	...	...	1005·1	Noon
13h	039	020	051	065	051	033	020	017	993	012	032	040	040	...	...	1004·6	13h
14	034	015	046	059	043	031	016	010	988	010	031	036	035	...	...	1004·2	14
15	028	011	041	057	037	028	011	996	981	010	025	031	031	...	...	1003·7	15
16	024	010	041	053	037	028	010	996	980	010	025	032	032	...	...	1003·6	16
17	021	012	041	051	039	028	011	992	980	011	030	036	035	...	...	1003·7	17
18	031	021	046	054	046	029	020	991	984	019	035	040	039	...	...	1004·1	18
19	038	028	049	061	051	030	024	999	993	027	041	044	046	...	...	1004·7	19
20	036	032	055	064	055	037	030	007	001	031	050	049	051	...	...	1005·3	20
21	035	038	060	067	060	040	035	008	006	038	056	051	054	...	...	1005·6	21
22	037	037	067	060	062	041	041	005	010	039	060	053	057	...	...	1005·8	22
23	034	038	065	057	061	040	041	007	012	040	061	052	055	...	...	1005·4	23

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

Hour. \ Day.	FEBRUARY 1936.																														
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	0	5	1	1	3	8	4	2	2	2	7	5	2	3	10	5	9	0	7	5	2	0	0	2	8	4	1	2	1	...	...	3·5
1h	0	4	1	1	4	8	6	2	3	2	7	4	2	3	9	7	10	0	5	5	3	0	0	2	8	4	2	1	2	...	...	3·6
2	0	1	1	0	4	9	6	2	3	2	8	4	3	7	8	8	10	0	4	5	3	0	1	3	8	3	2	1	4	...	...	3·8
3	0	3	1	0	6	10	6	3	2	2	8	4	4	10	6	4	10	1	4	5	4	0	1	3	7	3	2	1	3	...	...	3·9
4	1	2	2	0	7	7	7	3	2	2	6	4	4	10	5	4	10	1	4	6	3	1	1	1	5	3	1	1	5	...	...	3·7
5	1	3	2	0	4	6	7	3	3	1	7	4	3	9	4	3	10	1	7	6	4	0	4	1	6	3	1	4	2	...	...	3·8
6	1	4	2	3	5	6	4	4	2	3	4	4	3	9	4	2	10	3	7	6	4	3	6	5	7	3	3	6	10	...	...	4·6
7	2	4	2	2	5	5	4	4	3	5	3	4	4	8	3	5	10	7	8	6	6	4	5	5	7	2	3	5	9	...	...	4·8
8	5	4	2	4	6	3	4	5	4	5	2	4	5	8	2	6	10	8	10	7	6	4	7	6	10	1	3	1	7	...	...	5·1
9	6	7	5	7	6	3	8	5	4	8	3	5	5	7	3	4	10	8	9	7	8	3	7	5	9	1	6	1	6	...	...	5·7
10	8	4	5	7	4	4	7	6	7	8	4	6	7	6	4	9	10	8	10	8	8	3	7	5	9	3	5	1	8	...	...	6·2
11	9	4	5	7	6	8	8	7	8	9	5	6	8	7	5	9	10	9	9	9	8	4	7	7	9	4	3	2	7	...	...	6·9
Noon	9	4	6	7	5	5	9	8	8	9	8	6	8	8	5	9	10	9	10	9	8	4	7	7	9	5	3	2	5	...	...	7·0
13h	9	4	5	7	5	6	9	8	8	7	9	6	8	8	5	9	10	9	10	9	9	4	7	7	9	5	3	2	5	...	...	7·0
14	9	3	4	7	6	5	9	7	9	7	10	6	8	8	6	7	10	9	10	9	9	5	8	7	9	7	6	3	5	...	...	7·2
15	9	3	3	7	8	5	9	6	9	6	10	9	9	8	5	9	10	10	10	9	9	6	8	4	9	7	8	3	5	...	...	7·3
16	6	4	2	5	6	7	8	7	9	5	8	9	9	8	4	8	10	10	10	9	8	7	8	7	9	8	4	6	4	...	...	7·1
17	6	5	2	5	7	8	8	7	9	6	6	8	8	7	4	9	10	9	10	8	8	8	10	7	9	3	3	4	4	...	...	6·8
18	6	4	2	5	5	4	8	8	8	6	6	9	8	6	4	9	10	10	10	10	8	8	9	7	9	2	2	2	4	...	...	6·5
19	7	3	2	6	8	6	6	7	6	4	6	7	8	5	3	9	10	10	6	10	9	5	10	8	7	3	2	3	4	...	...	6·2
20	3	1	2	3	9	8	6	5	3	4	2	4	4	7	2	9	3	10	6	10	5	3	3	6	7	1	2	0	3	...	...	4·5
21	3	1	2	4	9	9	5	4	3	6	3	2	2	5	2	10	0	7	4	9	3	1	3	8	7	1	1	0	4	...	...	4·1
22	2	1	1	2	9	8	6	3	2	4	3	1	2	7	3	10	1	5	3	3	2	1	2	8	4	1	1	0	4	...	...	3·4
23	3	1	1	2	9	10	6	5	2	6	4	2	3	8	3	9	0	4	3	2	2	1	1	8	4	1	0	1	4	...	...	3·6

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

Hour Ending. \ Day.	FEBRUARY 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	19	15	0	15	3	0	0	0	0	0	9	3	11	5	6	0	0	0	0	0	0	9	0	2	0	1	0	0	0	...	...	1·6
7	60	60	26	60	57	37	29	38	55	44	60	60	60	57	52	50	0	34	25	12	42	60	46	60	0	50	60	56	36	...	...	21·4
8	60	60	60	60	59	60	60	60	60	51	60	60	60	53	60	54	0	52	53	0	46	54	60	60	30	60	60	60	27	...	...	25·0
9	51	60	60	60	60	60	60	60	60	16	60	60	60	60	60	60	0	22	58	41	50	46	47	60	55	60	44	60	51	..	...	25·0
10	12	60	60	55	60	60	60	60	32	31	60	60	60	60	60	36	0	16	12	37	36	60	60	60	60	60	60	60	10	...	...	22.6
11	22	60	60	44	60	60	60	60	55	43	60	60	60	43	60	28	0	15	0	17	48	60	60	60	60	60	60	60	55	...	...	23·2
Noon	0	60	60	60	60	60	59	60	55	43	30	20	60	55	60	52	0	45	0	35	9	60	60	60	60	45	56	60	60	...	...	22·4
13h	0	60	60	60	60	60	48	60	37	58	47	60	50	38	60	47	0	42	0	26	0	23	60	60	60	60	59	60	60	...	...	21·9
14	0	60	60	53	60	60	50	60	20	45	45	55	40	45	60	60	0	4	18	40	6	16	60	60	58	35	46	60	60	...	...	20·6
15	22	60	60	55	32	60	34	60	46	55	0	42	33	42	60	45	0	0	19	8	0	22	60	60	59	28	54	60	48	...	...	18·8
16	40	60	60	60	60	60	55	37	52	52	0	22	31	30	60	15	0	10	0	60	40	20	38	60	56	60	60	60	60	...	...	20·3
17	31	60	60	55	48	60	58	22	50	52	25	20	25	33	60	11	0	0	0	6	20	60	60	58	35	60	60	57	60	...	...	19·1
18	50	60	60	52	60	39	25	60	18	35	16	20	36	60	60	0	5	0	0	0	0	59	24	45	0	60	59	52	59	...	...	16·9
19	6	9	8	15	3	0	0	8	0	0	0	0	12	8	0	0	0	0	0	0	0	6	0	0	0	2	0	0	0	...	...	1·3

The total Amount of Registered Sunshine was 260.1 hrs. and the total possible sunshine was 369·0 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

FEBRUARY 1936.

Day / Hour	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day / Hour.
Midnight	25·0	1·4	25·2	0·5	24·4	1·4	24·0	1·6	24·5	2·3	24·3	1·6	24·2	0·9	24·4	1·4	Midnight
1h	25·0	1·1	25·0	1·0	24·0	1·3	24·0	1·4	24·1	2·2	24·3	1·3	24·2	0·9	24·7	1·5	1h
2	24·9	1·2	25·1	0·9	24·1	1.5	23·7	1·6	23·4	1·6	24·6	1·5	24·3	1·0	24·1	1·3	2
3	24·8	1·5	25·0	0·8	24·0	1·7	23·0	1·3	23·9	1·8	24·7	1·7	24·1	1·0	24·2	1·2	3
4	24·3	1·1	25·0	0·8	23·9	1·7	23·0	1·3	24·0	1·8	23·7	1·1	23·9	0·9	24·1	1·1	4
5	24·4	1·2	24·7	0·7	23·8	1·7	23·2	1·4	23·9	1·8	24·1	1·3	23·9	0·9	23·9	2·0	5
6	24·0	1·2	24·6	0·8	23·5	1·5	23·4	1·4	23·6	1·6	24·3	1·4	24·0	1·0	23·9	1·4	6
7	25·9	1·4	26·0	1·5	24·8	2·0	25·0	1·9	25·0	2·2	25·5	2·2	24·3	0·5	24·9	1·4	7
8	27·8	2·8	27·8	2·8	27·2	3·4	27·3	3·2	26·8	3·6	27·3	3·3	27·2	2·2	27·2	2·8	8
9	29·6	4·4	28·6	3·6	28·1	3.9	28·0	4·0	27·4	3·6	27·4	4·1	27·8	2·8	28·0	3·7	9
10	29·5	3·3	29·2	4·6	28·8	4·7	28·8	4·5	28·5	4·5	28·4	5·0	28·0	3·1	28·8	4·4	10
11	28·8	2·7	29·6	4·7	28·9	4·7	28·6	3·8	28·9	5·2	28·3	4·3	29·1	4·0	29·0	4·4	11
Noon	27·5	1·4	29·7	4·7	29·3	4·5	29·1	4·5	29·0	5·8	29·0	4·8	29·0	3·9	29·5	5·1	Noon
13h	27·4	1·8	30·0	6·3	29·6	4·6	29·1	4·5	29·1	5·1	29·0	4·8	29·1	4·2	29·2	5·0	13h
14	26·1	1·0	30·1	5·4	29·7	5·3	29·0	4·9	28·9	5·1	28·8	4·6	29·1	3·9	29·3	5·2	14
15	27·7	1·0	29·9	5·7	29·9	5·0	29·1	4·9	26·0	2·3	28·6	4·5	28·0	3·0	29·1	5·2	15
16	28·7	2·9	29·7	4·9	29·2	4·5	28·9	5·2	28·2	4·2	28·2	4·2	28·3	4·9	28·2	5·2	16
17	28·2	2·9	28·8	4·7	28·5	4 4	27·7	4·3	27·6	4·5	27·9	3·8	28·2	3·4	27·9	4·0	17
18	28·1	2·0	27·7	4·0	27·4	3·7	26·8	3·5	27·1	3·6	26·6	2·6	27·2	2·8	27·3	4·0	18
19	26·7	1·8	26·3	2·8	26·1	2·7	26·1	3·0	25·9	2·8	25·0	1·9	26·3	2·2	26·1	3·0	19
20	25·8	1·2	25·1	2·0	25·3	2·0	25·2	2·2	25·7	2·6	24·8	1·8	26·0	2·0	25·2	2·4	20
21	25·3	1·1	25·0	2·0	25·0	1·9	25·2	2·2	25·0	1·2	25·0	1·6	25·9	1·9	25·0	2·3	21
22	24·9	1·0	25·0	2.0	24·7	1·7	25·0	2·0	24·8	2·0	24·6	1·2	26·0	2·0	24·9	2·5	22
23	25·1	0·9	24·8	1·7	24·1	1·6	24·7	2·1	24·3	1·9	24·0	0.9	25·2	1·4	24·5	2·4	23

Day. / Hour.	9d. Air.	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air	16d. Excess of Air over Evap.	Day. / Hour.
Midnight	24·2	2·4	24·1	1·4	24·1	1·1	24·0	1·3	24·0	1·6	23·1	1·4	24·7	1·6	25.1	1·9	Midnight
1h	23·9	2·3	23.4	1·4	24·1	1·2	24·0	1·8	23·7	1·6	22·5	1·5	24·2	1·2	24·3	1·2	1h
2	24·0	2·1	23·5	1·4	24·1	1·2	23·1	1·4	23·0	1·6	22·2	1·2	24·1	1·0	24·3	1·3	2
3	24·2	2·2	23·1	1·3	24·0	1·2	23·0	1·4	22·7	1·4	23·0	2·0	24·1	1·2	24·1	1·2	3
4	24·0	2·8	22·9	1·5	23·3	1.2	22·0	1·1	22·3	1·2	23·0	1·9	23·9	1·7	24·0	1·5	4
5	23·8	2·7	23·1	1.4	23·5	1·2	22·1	1·1	22·0	1·1	23·1	1·8	23·4	1·3	24·0	1·5	5
6	23·1	2·3	23·1	1·3	23·2	1·1	21·9	1·3	22·4	1·3	23·1	2·3	23·0	1·4	23·5	1·4	6
7	24·1	2·6	24·3	1·2	25·1	1·4	23·6	0·8	24·2	1·1	25·0	3·3	24·1	1·6	24·7	1·7	7
8	26·8	3·8	26·8	2·5	27·6	3·5	26·7	2·5	27·1	3·0	26·0	3·9	27·1	3·4	26·3	2·1	8
9	27·6	4·6	27·2	2·7	28·7	4·1	28·1	4·0	28·0	3·9	27·8	5·2	27·9	4·0	28·1	3·1	9
10	28·0	4·2	26·6	2·4	29·1	4·1	28·8	4·2	29·0	5·2	28·6	5·6	28·8	5·1	27·3	2·3	10
11	29·0	4·5	28·8	3·3	29.9	5·0	29·9	4·9	29·1	5·1	28·3	4·5	29·5	5·4	26·6	1·6	11
Noon	29·1	4·7	29·1	4·0	29·9	4·0	29·6	3·8	29·3	5·4	29·0	5·9	29·8	5·5	28·0	2·3	Noon
13h	29·1	4·9	29 9	5·0	29.4	3·5	30·3	4·2	29·5	5·8	29·7	6·4	29·8	5·8	28·0	3·1	13h
14	28·9	4·4	29.0	4·3	30·2	4·0	30·1	4·2	29·0	5·4	29·9	5·2	29·9	5·9	28·8	4·6	14
15	28·7	4·1	30·0	5·1	27·2	2·0	29·8	4·0	29·9	4·7	30·3	5·3	29.8	5·8	28·5	3·6	15
16	28·0	3·5	28·8	4·8	26·8	1·7	29·2	4·1	29·2	4·0	29·0	5·3	29·3	5·1	27·7	3·4	16
17	27·6	3·6	28·2	4·1	27·5	2·3	27·9	3·0	28·3	5·2	28·6	6·6	28·8	4·7	27·2	3·1	17
18	26·9	3·1	27·6	3·4	28·0	2·5	28·0	3·3	27·4	4·1	28·0	5·3	27·8	4·0	26·4	2·4	18
19	25·8	2·2	26·2	2·3	26·7	2·0	26·7	3·0	26·1	3·4	26·1	3·4	26·6	3·3	25·0	1·7	19
20	25·4	3·1	25·3	1·8	25·3	1·3	26·0	2·9	25·0	2·7	24·8	1·9	26·1	3·0	24·1	1·4	20
21	25·0	1·9	25·2	1·6	24·6	1·5	25·3	2·2	24·3	2·2	25·0	1·7	26·0	2·9	24·9	1·0	21
22	24·4	1·4	24·9	1·7	24·9	1·7	24·8	1·8	24·1	2·1	24·7	1·6	25·6	2·5	24·3	1·2	22
23	24·6	1·6	24·8	1·7	24·1	1·2	24·3	1·5	24·5	1·9	24·7	1 6	25·4	2·2	24·3	1·1	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

FEBRUARY 1936.

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

Hour \ Day.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d Air.	29d Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour.
Midnight	27·1	2·0	24·2	2·0	23·3	1·4	23·3	3·1	23·8	2·0	...	...	...	...	24·3	1·5	Midnight
1h	25·8	0·8	24·0	1·5	23·9	2·1	23·7	3·5	23·9	2·1	...	...	...	...	24·2	1·4	1
2	25·8	1·2	23·5	1·4	23·9	2·2	23·3	3·1	24·0	2·0	...	...	...	...	24·1	1·4	2
3	25·9	1·2	23·6	1·6	23·7	1·9	23.2	2·7	23·6	1·6	...	...	...	...	24·0	1·3	3
4	25·9	1·8	23·0	1·2	22·9	1·8	23·1	3·0	23·1	1·2	...	...	...	...	23·6	1·3	4
5	26·0	1·1	23·8	1·6	22·2	1·3	23·0	2·4	22·9	1·2	...	...	...	...	23·6	1·3	5
6	25·9	1·4	23·0	1·5	23·0	2·0	23·8	3·0	23·1	1·1	...	...	...	...	23.5	1·3	6
7	26·2	1·1	23.8	1·2	24·5	2·6	23·9	2·7	23·9	1·7	...	...	...	...	24·7	1·5	7
8	27·2	1·3	26·1	2·9	26·1	3·2	26·2	3·4	24·3	2·0	...	...	...	...	26·6	2·5	8
9	28·2	2·2	28·2	3·3	27·0	3·3	27·6	4·8	26·2	3·5	...	...	...	...	27·7	3·3	9
10	29·6	3·0	29·0	3·7	28·3	5·0	28·1	5·5	25·1	2·1	...	...	...	...	28·3	3·6	10
11	29·9	3·2	29·8	4·0	28·6	5·3	28·8	5·7	27·9	4·8	...	...	...	...	28·9	3·9	11
Noon	30·0	3·2	30·1	4·4	28·4	4·8	29·1	7·1	27·7	4·6	...	...	...	...	29·1	4·1	Noon
13h	30·0	3·4	30·1	4·3	29·0	5·5	29·2	7·3	28·3	4·7	...	...	...	...	29·2	4·3	13h
14	29·9	3·8	29·1	4·1	27·8	4·6	29·0	6·5	28·7	5·5	...	...	...	...	29·1	4·2	14
15	29·5	3·3	29·0	4·2	28·0	5·0	28·5	5·5	28·3	5·1	...	...	...	...	28·9	3·9	15
16	29·4	3·5	29·0	5·6	27·7	4·5	28·1	5·3	28·3	5·3	...	...	...	...	28·6	3·9	16
17	28·9	2·9	28·3	5·3	26·9	5·3	27·1	4·9	27·8	4·8	...	...	...	...	28·1	3·9	17
18	27·9	2·9	27·6	5·0	26·0	4·9	26·3	4·1	26·8	3·8	...	...	...	...	27·4	3·3	18
19	26·9	3·4	25·6	3·5	25·0	4·1	25·1	3·0	25·2	2·3	...	...	...	...	26.2	2·5	19
20	26·3	2·5	24·8	2·8	24·5	3·5	24.2	2·2	25·0	2·2	...	...	...	...	25·4	2·0	20
21	25·2	1·6	24·2	2.2	24·4	3·6	24·0	2·2	24·9	1·9	...	...	...	...	25·1	1·8	21
22	24·9	1·9	24·0	2·0	24·1	3·2	23·9	2·1	24·4	1·6	...	...	...	...	24·8	1·7	22
23	24·9	1·9	23·7	1·8	23·9	3·9	23·9	2.1	24·1	1·4	...	...	...	...	24·5	1·5	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during FEBRUARY 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

FEBRUARY 1936.

Hour. \ Day.	1d. *		2d.		3d.		4d.		5d.		6d.		7d.		8d.		9d.		10d. *		11d. *		12d. *		13d. *		14d. *		15d.		16d.	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	12	0.9	11	2·6	10	1·3	10	1·4	11	1·8	11	2·8	12	1·4	08	1·8	10	3·3	20	0·9	12	1·9	13	2·0	13	0·6	12	1·4	11	1·5	13	1·6
1h	12	1·2	09	2·4	10	2·1	11	1·3	11	1·5	10	2·7	10	1·8	08	2·6	10	2·6	20	1·3	12	1·4	13	1·1	13	1·1	12	1·1	11	1·8	13	1·9
2	12	1·4	11	3·5	10	1·8	11	1·1	11	1·8	11	3·5	10	1·4	08	2·3	12	2·9	13	1·9	11	1·0	13	1·2	14	1·1	12	1·8	11	1·4	15	1·6
3	12	0·8	11	1·5	10	2·1	11	1·1	11	2·0	10	3·3	10	1·8	10	2·8	12	3·7	13	0·6	11	0·6	13	1·7	14	1·4	15	2·8	13	2·0	14	1·8
4	11	0·7	10	2·3	10	2·7	11	1·4	11	1·4	10	3·3	10	1·8	10	2·5	12	3·5	16	1·1	11	0·7	13	2·0	14	1·2	15	3·1	10	1·9	15	1·7
5	11	0·6	11	2·6	11	1·9	11	1·9	11	2·2	10	3·2	11	1·7	10	2·2	13	3·3	16	1·3	11	1·3	13	0·6	14	1·6	15	1·8	10	0·6	15	0·8
6	11	1·0	11	1·6	11	2·3	11	1·5	11	1·8	09	4·7	11	2·3	10	2·7	12	2·0	16	1·1	11	1·1	13	1·3	14	1·4	12	2·5	10	0·7	15	1·0
7	11	0·6	11	1·8	11	2·1	11	1·7	11	2·0	09	3·7	10	3·4	10	2·7	12	1·2	15	1·4	11	0·6	13	1·0	14	0·6	12	2·4	10	0·6	15	1·0
8	13	1·5	07	2·0	11	3·3	10	2·4	11	3·9	10	5·9	10	2·6	11	3·4	13	3·2	15	0·9	11	1·8	13	1·5	11	1·8	13	4·0	12	2·7	10	2·5
9	11	1·4	09	2·1	10	3·9	09	3·5	10	4·4	09	6·2	09	4·4	09	4.8	12	4·5	13	1·9	10	2·2	10	2·7	10	3·4	11	3·5	10	4·5	07	3·9
10	r27	1·5	09	2·8	11	2·4	07	3·7	09	5·3	09	6·8	09	4·7	09	5·7	12	3·7	08	2·0	10	2 5	10	1·9	12	3·8	13	2·7	12	5·1	06	3·2
11	21	2·3	08	3·2	09	3·1	10	4·3	12	5·4	11	7·0	08	5·9	09	5·3	12	4·2	08	2.2	10	2·1	09	1·9	10	4·4	d24	1·9	12	4·8	10	4·3
Noon	27	2·1	12	4·0	08	3·2	10	4·8	10	5·5	09	6·5	08	5·8	09	5·3	12	4·3	05	3·2	d24	2·4	d20	2·2	10	3·2	20	1·5	12	5·2	10	4·6
13h	24	2·8	10	2·9	09	3·4	09	4·9	12	6·3	11	6·5	08	5·1	09	5·3	10	4 7	09	3·9	23	4·6	24	3·9	10	3·1	d28	1·3	10	5·3	09	4·7
14	21	2·1	09	2·7	08	2·9	09	4·7	10	5·8	12	5·9	09	5·5	11	6·3	12	5·1	07	3·5	25	3·8	25	3·5	12	2·6	32	2·4	12	5·7	10	6·0
15	19	1·0	09	4·6	10	3·7	10	4·5	10	4·4	09	6·3	09	5·8	10	6·0	10	5·2	09	3·2	d04	1·7	24	4·0	d29	1·3	32	2·6	12	5·2	09	5·3
16	r10	1·8	10	3·9	08	3·8	12	5·3	09	5·9	10	6·7	08	5·0	10	5·2	11	4·4	09	3·5	r21	1·1	d02	2·0	30	1·2	d10	2·3	11	5·4	11	4·6
17	11	2·0	09	4·9	09	3·1	11	5·0	09	5·1	12	6·5	09	4·8	10	4·4	11	4·3	10	3·8	17	0·6	r23	2·6	r13	3·9	14	3·7	10	5·0	10	4·9
18	18	1·0	10	4·0	10	5·2	10	4·3	09	4·8	10	5·3	09	4·7	10	4·4	10	3·0	10	3 6	17	0·6	19	2·0	13	2·1	13	3·9	12	5·1	10	4·4
19	12	1·2	10	1.7	11	2·8	12	3·2	10	4·0	12	4·3	09	3·5	11	2·7	11	2 1	10	1·6	14	1·5	15	1·8	13	4·2	14	2·5	12	4·3	10	3·9
20	12	1·1	10	1·8	10	1·8	11	1·8	10	3·8	11	3·7	10	3·4	12	2·9	11	1·7	11	1·6	14	1·2	14	2·2	12	2·0	12	1·6	12	4·0	12	2·8
21	12	1·6	10	2·4	10	1·6	11	1·5	08	2·0	10	2·7	09	3·1	09	3·8	12	2·8	11	1·1	11	1·1	14	2·2	12	2·6	12	0·6	13	2·8	10	4·1
22	12	1·8	10	2·5	10	1·6	11	2·1	11	2·7	09	1·1	11	3·5	11	3·4	12	1·9	12	2 0	11	1·2	13	2·1	12	2·9	12	1·2	13	1·9	10	4·9
23	12	1·9	10	1·7	10	1·8	11	2·3	11	2·1	11	2·4	10	3·3	10	3·2	12	1·1	12	0·9	17	1·8	13	1·1	12	1·0	10	1·5	13	3·1	10	3·8

Hour. \ Day.	17d.		18d. *		19d. *		20d. *		21d *		22d. *		23d. *		24d. *		25d. *		26d. *		27d. *		28d.		29d.		30d.		31d.		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel	Dir.	Vel.	Dir.	Vel.	Dir	Vel	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	10	3·0	11	2·8	02	0·9	32	1·0	30	1·1	13	1·0	11	2·4	d08	0·7	31	3·8	15	1·8	21	0·6	13	3·0	10	3·1	...	...	...	...	1·8
1h	11	3·3	11	2·4	02	0·7	32	0·6	30	1·1	13	1·1	11	2·1	08	0·5	27	3·1	15	1·3	16	1·8	13	2·9	11	2·6	...	...	...	...	1·8
2	11	1·5	11	2·4	02	1·6	32	0·8	30	1·0	13	1·5	11	1·2	11	1·0	30	2·7	15	1·7	15	1·8	14	2·4	10	2·9	...	...	...	...	1·8
3	07	3·1	11	2·8	02	1·1	32	1·0	30	0·8	13	1·0	11	1·3	11	1·5	28	2·6	15	1·4	15	1·0	13	3·1	11	2·4	...	...	...	...	1·8
4	13	4·2	11	2·1	32	1·0	32	0·8	30	1·7	13	1·4	11	1·1	11	0·8	27	4·4	15	1.8	15	0·7	12	3·4	09	3·4	...	...	...	...	2·0
5	10	3·6	11	2·4	32	0·6	32	0·6	30	1·2	13	1·0	11	1·2	11	0·7	27	4·4	15	1·1	16	0·9	12	1·3	12	2·5	...	...	...	...	1·7
6	09	4·6	09	1·7	02	1·0	32	0.7	30	1·8	13	1·0	11	0·7	11	0·7	27	3·5	15	3·1	14	2·0	13	2·4	10	2·5	...	...	...	...	1·9
7	11	4·2	11	2·2	02	2·3	32	1·1	30	0·8	13	0·7	11	0·8	11	0·6	27	2·5	15	1·0	13	2·6	13	1·8	10	3·9	...	...	...	...	1·8
8	09	4·2	10	1·1	31	4·2	32	1·6	30	1·0	05	1·6	07	1·0	04	1·7	26	3·7	15	0·7	12	4·0	13	2·5	12	4·2	...	...	...	...	2·6
9	09	4·1	08	3·6	32	4·1	31	1·8	30	1·3	05	0·9	32	2·3	01	3·0	27	4·2	15	0·8	12	4·0	12	4·1	12	4·2	...	...	...	...	3·3
10	10	2·2	06	1·8	30	4·2	27	2·6	30	2·1	01	2·1	01	2·4	29	3·4	24	5·3	r25	0·9	12	4·3	12	5·0	10	3·7	...	...	...	...	3·4
11	08	2·2	04	2·0	28	4·0	29	3·0	29	3·0	31	2·5	32	3·3	30	2·9	26	5·3	25	1·9	12	5·0	12	4·4	10	4·4	...	...	...	...	3·7
Noon	09	3·3	03	1·9	31	4·2	30	3·1	28	2·3	29	3·5	01	3·5	32	3·4	25	5·4	22	3·3	10	5·4	12	5·3	10	5·4	...	...	...	...	3·9
13h	10	3·7	03	2·5	31	3·5	28	3·2	29	1·2	30	2·3	01	3·8	29	4·3	24	6·0	20	2·5	10	5·3	12	5·8	09	4·3	...	...	...	...	4·0
14	10	3·5	05	2·8	31	4·0	24	3·0	32	2·0	29	1·7	32	3·6	30	3·7	22	5·0	13	2·8	13	5·3	11	6·0	09	3·7	...	...	...	...	4·0
15	10	3·7	03	2·0	30	4·2	30	2·2	31	2·0	32	2·0	32	3·7	29	3·6	23	6·7	12	2·5	13	5·6	11	5·2	10	4·3	...	...	...	...	3·9
16	11	2·5	03	1·4	30	3·1	27	2·3	31	2·4	29	1·4	29	3·5	30	4·4	20	6·5	15	4·4	13	6·1	11	5·2	10	3·8	...	...	...	...	3·8
17	10	3·7	03	1·8	32	3·1	28	1·7	03	1·3	22	1·7	28	2·6	29	4·2	20	4·4	15	4 7	12	5·0	11	5·1	09	4·2	...	...	...	...	3·7
18	11	2·9	01	1·3	32	2·3	29	0 8	d11	1·4	24	0·7	29	1·6	32	4·0	19	3·5	14	4·0	12	4·3	10	3·8	10	3·6	...	...	...	...	3·2
19	11	3·2	02	2·2	32	1·2	29	0·6	13	1·9	24	0·6	29	0·6	30	2·9	16	2·3	14	3·5	13	4·3	11	2·0	11	2·2	...	...	...	...	2·5
20	12	4·0	02	1·3	32	0·6	29	0·6	13	0·9	17	1·1	29	0·7	29	3·2	18	1·4	15	2·0	13	3·3	11	2·6	11	2·1	...	...	...	...	2·1
21	12	3·3	28	0·9	31	0·7	29	1·1	13	1·2	17	1·2	29	0·8	32	2·6	18	0·7	16	1·8	12	4·1	11	3·2	12	1·8	...	...	...	...	2·0
22	13	3·3	28	0·7	31	0.9	29	0·6	13	0·7	17	1·5	29	0 7	29	2·3	18	1·1	17	0·8	13	3·7	11	3·6	12	1·8	...	...	...	...	2·0
23	12	3·1	28	0·7	31	1·3	30	0·6	13	0·9	12	1·8	29	1·0	29	2·3	15	1·0	21	1·0	13	3·8	11	2·8	12	1·4	...	...	...	...	1·9

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), FEBRUARY, 1936.

Hour	Force (0–12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W	W.S.W.	W.	W.N.W.	N.W.	N.N.W
3	...	...	29	1	1	...	...	1	4	15	2	3	...	...	...	...	..	1	1
9	...	1	28	4	...	1	...	8	6	7	.	1	...	...	...	...	...	1	1
15	...	5	24	4	...	2	...	5	7	4	...	...	...	1	...	2	...	2	2
21	...	...	29	2	...	...	...	3	4	13	1	2	1	...	...	...	...	3	...
Totals	...			11	1	3	...	17	21	39	3	6	1	1	...	2	...	7	4

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for FEBRUARY, 1936.

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
	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	mm	mm
1h	...	3·7	...	...	...	...	...	0·1	...	...	0·1	0.1	...	...	0·1	...	0·1	...	...	...	...	...	...	..	6·2	...	...	..	...	...	..
2	...	...	...	...	.	0·1	...	...	...	...	...	0·1	...	...	...	1·1	1·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	0·4	...	..	...	...	...	...	..	...	...	...	...	...	...	...
4	...	...	...	...	...	3·9	...	...	...	...	..	0.1	...	...	...	...	25.0	...	...	...	...	...	...	...	...	..	...	...	...	...	...
5	...	..	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	22·0	...	...	...	...	...	...	...	0·7	..	...	...	2·4	...	...
6	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	7.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	..	...	...	..	...	...	1·5	..	...	...	...	...	...	...	...	...	...	...	...	..	...
8	...		...	...	...	...	..	...	...	...	...	...	...	...	...	...	4·5	...	..	5.0	...	...	...	...	...	...	...	...	..	...	..
9	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	..	7·0	...	...	0·2	.	...	...	...	...	...	...	...	...	..	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	5·2	...	..	...	...	..	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	0·2	3·5	...	...	...	...	...	...	...	...	..	...	...	...	...	...
Noon	0.4	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	0·4	0.2	...	...	...	...	...	...	...	...	...	...	..	...	...	...
13h	0·1	...	...	...	...	...	...	...	..	...	0·1	..	...	...	...	...	...	...	2·8	...	...	...	...	...	...	...	...	...	...	...	...
14	25·0	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
15	2·5	...	...	...	0·2	...	...	...	...	...	5·3	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	...	...	...	...	...
16	0·3	...	..	...	...	...	...	...	0·1	...	13·0	...	...	...	.	...	...	0.1	...	0·1	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	0·1	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	..	...	...	...	..	0·1	..	...	...	..	..	...	...	..	...	...	..	...	...	...	...
19	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	.	...	..	...	...	...	...	..	...	0·4	...	0·3	...	4.4	...	...	...	...	...	0·1	...	...	...	...	...	...	...
21	0·2	...	..	...	0·8	0·4	...	...	...	...	...	...	...	...	...	1·9	...	3·0	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	..	...	...	...	...	..	...	...	...	..	...	...	...	0·1	...	...	...	...	...	..	...	...	...	...	...	...	...	...	..
23	...	...	...	...	...	4·4	0·4	...	...	...	..	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
24	1·5	...	...	...	...	3·6	0·1	...	...	..	...	..	..	.	...	...	...	...	...	...	...	...	..	...	...	...	.	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR FEBRUARY, 1936.

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
	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	mm	mm
1h	..	...	...	...	...	1·2	0·7	4·4	...	...	...	...	...	...	...	1·6	0·2	..	0·1	3·8	...	...	..	...	...	...	...	...	...	..	...
2	0·7	...	...	...	...	0·5	...	0·9	...	0·2	...	...	...	...	1·2	...	0·1	...	...	...	...	...	...	...	..	...	0·3	...	...	..	...
3	...	...	...	...	...	1·6	...	...	...	...	...	...	...	...	...	0·5	0·2	...	0·7	0·5	..	...	...	...	...	...	...	...	..	...	...
4	...	...	...	...	...	0·1	...	...	...	...	0·1	...	...	0·2	...	0·5	1·8	...	0·1	...	...	...	...	...	...	...	0·4	...	...	...	...
5	...	...	...	...	..	0·2	...	...	...	...	..	...	...	...	..	0·1	1·9	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...
6	..	...	...	...	...	0·1	...	...	..	...	...	...	...	...	...	0·7	3·6	...	...	0·6	...	...	...	...	...	...	...	...	...	..	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	...	1·9	1·3	...	...	...	...	...	...	...	...	...	...	...
8	.	...	...	..	...	0·8	...	...	...	...	...	...	...	...	...	...	2·0	...	7·8	1·2	...	...	...	...	...	...	...	0·4	...	...	...
9	.	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	1·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	..	...	...	..	1·9	...	...	...	...	...	..	0·6	...	...	...	...	...	...	...	0·7	...	...	...	...	...	...
11	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·4	...	...	1·2	...	...	...	...	...	...	0·1	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...	0·2	...	0·1	...	...
13h	...	...	...	...	...	0·5	...	3·8	0·1	...	...	...	...	...	...	...	...	..	2·0	0·7	0·1	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	..	.	...	...	...	...	...	...	...	...	...	...	...	...	...	1·2	...	...	...	. .	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	0·3	...	...	.	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	...	...	...	..	...	...	...	...	...	...	...
17	...	...	...	...	...	...	0·9	...	0·6	...	...	...	...	...	...	...	...	0·2	0·3	...	...	...	1·7	...	0·5	...	...	...	...	...	...
18	...	...	...	...	0·5	...	...	...	...	..	...	...	...	...	0·2	1·8	...	9·3	1·9	..	21·2	...	...	...	0·8	...	...	...	...	...	...
19	...	...	...	...	0·2	...	...	...	0·1	..	...	...	...	0·7	0·1	0·1	..	25·7	5·9	...	19·7	...	..	...	...	...	...	...	...	...	...
20	...	. .	...	..	0·3	0·3	...	...	...	...	...	...	...	0·1	...	6·9	...	...	...	...	3·4	...	...	0·5	..	...	.	...	..	...	...
21	...	...	...	...	...	0·9	...	..	1·5	...	...	...	...	0·3	0·7	7·2	..	0·2	...	..	...	...	...	...	.	...	...	...	...	...	...
22	...	...	...	...	0·2	1·0		...	. .	...	...	...	...	...	0·1	0·2	...	...	1·8	..	...	...	...	...	...	...	...	..	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	..	...	...	1·0	0·1	...	...	0·6	...	...	...	...	...	...	..	...	...	...	...	...
24	..	...	...	...	...	1.1	0·7	...	...	...	...	...	...	...	0·7	...	...	...	1·5	...	...	...	...	1·8	...	...	...	...	...	...	...

TABLE XV—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF FEBRUARY 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	3·79	96·3	5·59	12
	St. Antoine	50	3·82	97·0	6·31	12
	Belmont	50	4·10	104·0	6·90	8
	Poudre d'Or	20	5·67	144·0	6·48	8
	Mon Loisir S. E.	350	5·75	146·1	7·77	13
	Forbach	300	4·95	125·7	7·29	12
*	Couroupa...	...	4·98	126·6	6·36	11
*	Labourdonnais	290	6·85	174·0	8·42	8
	Mapou (Water Office) ...	...	5·93	150·6	...	6
	Beau Séjour	300	9·13	331·9	9·24	14
	Mont Piton	650	5·08	129·0	10·41	12
	Mon Choix	700	5·62	142·7	9·71	11
	Antoinette	640	5·73	145·5	9·99	16
	Mon Songe	620	5·48	139·2	9·94	16
	Botanical Gardens... ...	325	6·36	161·5	8·97	15
*	The Observatory	179	6·92	175·8	7·51	20
	Solitude	175	6·95	176·5	5·19	8
	St. André (Cour)	90	6·20	157·5	6·29	10
	La Nicolière	...	7·25	184·2	12·75	15
	California	...	7·25	184·2	11·70	10
	Australia	...	3·88	98·6	..	4
2 & 3	Union Régnard S.E.(Flacq)...	600	6·79	172·5	10·21	17
	Constance d'Arifat L.G. ...	100	5·93	150·6	8·53	16
	Rich Fund	600	4·65	118·1	9·71	20
	La Joffrette	...	4·50	114·3	...	12
	Belle Vue (Allendy) ...	...	8·55	217·2	8·80	15
4	Sans Souci	900	11·96	303·8	16·13	25
	Beau Champ (G.R.S.E.) ..	20	4·95	125·7	7·44	20
	Olivia	400	5·86	148·8	10·81	24
	Trois Ilots	...	6·20	157·5	...	18
	Belle Rive	400	9·03	229·4	10·44	23
	Sébastopol	700	...	...	...	...
	Bonne Veine	400	9·31	236·5	15·48	22
5	Rose Belle	850	13·13	333·5	17·65	23
	New Grove	650	10·39	263·9	...	19
	Mon Trésor	...	9·37	238·0	...	16
	Mon Désert (Carié) ...	75	7·71	195·8	8·04	16
	Ferney	20	9·01	228·9	11·45	15
	Sauve Terre	...	9·31	236·5	...	16
6	Tivoli	1,300	15·35	389·9	17·69	26
	La Flora...	1,050	14·94	379.5	16·07	24
	Riche Bois (Brit.) ...	650	10·09	256·3	10·72	18
6	Britannia (Estate) ...	700	13.38	339·9	13·83	21
	Savannah (Mill) ...	200	6·41	162·8	10·32	16
	St. Aubin	300	10·13	257·3	9·35	22
	St. Avold	900	16·59	421·4	15·01	24
	Colmar	400	14·19	360·4	11·08	19
	Union S. E.	...	12·49	317·2	8·54	17
	Fontenelle	320	11·89	302·0	8·61	15
	Choisy	200	6·52	165·6	7·45	16
	Beau Bois	...	12·92	328·2	12·86	22
	Bel Air	...	9·45	240.0	8·70	13
	St. Félix	...	13·50	342·9	...	13
7,8,9&10	Bel Ombre	40	7·48	190·0	8·49	17
	Beau Champ (B. du Cap)	70	6·84	173·7	7·82	15
	Frédérica	...	9·66	245·4	8·43	18
	Pierre Fond	...	7·19	182·6	7·96	15
	Ste. Marie	...	9·85	250·2	...	16
	Hussonia Limited .	..	5·78	146·8	...	12
11	Curepipe Gardens ...	1,840	9·80	248·9	17·16	26
	Mare aux Vacoas (G.E.)	1,850	15·19	385·8	18·33	23
	Mare aux Vacoas (Arn.)	1,830	14·24	361·7	18.39	23
	La Marie Filter Bed ..	1,700	11·11	282·2	14·60	18
*	Sophie	...	...	...	...	...
	Réunion	1,420	7·65	194·3	13·60	19
*	Aerological Station ...	1,393	7·54	191·6	13·15	21
	Phœnix	...	6·12	155·4	11·45	11
	Quatre Bornes... ...	...	9·23	234·4	...	11
12	Quatre Bornes (Board) ...	1,090	...	...	...	...
*	Le Réduit (D. of A.) ...	1,000	6·29	159·7	10·05	27
	Alma...	1,460	8·38	212·9	18·15	18
	Bagatelle	1,250	8·38	212·9	14·10	16
	Highlands	1,300	6·15	156·2	12·08	15
	Trianon	950	7·59	192·8	10·77	14
	Val Ory	1,100	4·75	120·7	10·75	11
	Bassin	...	6·93	176·0	9·20	10
	Hermitage	1,450	9·90	251·5	15·57	14
	Ebene	...	9·40	238·8	...	17
	Bega...	...	6·15	156·2	...	16
	Mon Rêve	...	6·67	169·4	...	16
	Mont Pevril	...	6·64	168·7	...	16
	Minissy	1,150	6·33	160·8	12·10	16
	Plaisance	...	7·69	195·3	...	11
	La Ferme	350	5·27	133·9	7·40	14

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of FEBRUARY 1936.

Day \ Type.	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	10	90	26·2	90	16·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	11	120	13·3*	120	9·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	120	25·5	105	26·3	...	...	...	...	...	...	150	3·3
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	9½	105	33·7	105	16·7	180	...	...	...	...	...	210	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	10¼	...	...	135	29·4	...	...	...	...	...	...	315	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	90	19·4	105	6·2	...	...	...	...	...	...	315	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	9¼	120	10·7*	120	8·4*	...	...	...	...	...	...	285	1·2*	15	150	...	135	6·5	...	...	...	...	...	...	300	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	...	...	120	...	...	...	...	...	...	...	285	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	90	...	...	...	...	...	...	...	...	...	12¼	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	15¼	...	...	...	...	...	...	...	...	...	...	...	...
21	11½	...	...	305	3·0*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	1¼	...	...	180	0·8*	...	...	...	...	...	...	170	3·5*	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	15¼	...	...	300	8·3	270	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	9¾	...	...	152	7·2*	...	...	...	...	...	...	...	...	15	195	11·0	225	6·7	...	...	...	...	...	...	180	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	15	150	10·3	147	8·4*	240	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec.

* Observatory Pamplemousses.

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NEW SERIES (MONTHLY) VOL. XXII. PART 3. PRICE R 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MARCH, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1937

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF MARCH 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HRH : 10000	ZRZ : 10000
MAR.								
1	13°07'·6	·22521	·29715	9'·7	47	18	106	53
2	07·2	527	714	11·0	51	24	115	71
3	07·3	531	713	10·3	55	21	124	63
4	07·0	539	709	11·8	58	32	130	95
5	07·6	531	712	9·3	48	21	108	63
6	07·8	528	712	11·0	53	24	119	71
7	08·4	519	712	9·0	27	24	61	71
8	07·6	520	710	7·7	60	16	135	48
9	07·6	512	714	11·2	58	21	130	63
10	07·5	514	712	11·0	24	21	54	63
11	07·6	522	710	11·3	21	27	47	80
12	07·4	523	707	9·3	27	16	61	48
13	06·9	532	704	9·5	42	21	94	62
14	07·5	526	704	10·5	60	22	135	65
15	06·6	518	706	10·0	42	20	94	59
16	07·3	517	707	9·0	40	11	90	33
17	07·2	510	707	7·0	31	23	70	68
18	07·4	515	706	8·0	39	19	88	56
19	07·6	512	703	7·0	46	28	103	83
20	08·0	501	707	8·8	50	23	112	68
21	07·9	483	707	9·0	60	31	135	92
22	07·9	500	709	7·0	58	23	130	68
23	07·7	490	708	7·5	62	18	139	53
24	08·0	502	707	7·5	75	19	169	56
25	07·8	495	710	4·0	50	14	112	42
26	07·9	495	707	7·5	30	17	67	51
27	08·3	494	707	8·0	44	20	99	59
28	08·7	493	709	6·5	24	19	54	56
29	08·5	498	707	7·5	29	21	65	62
30	08·3	508	702	8·2	34	29	76	86
31	08·6	511	703	7·8	33	20	74	59
Mean	13°07'·70	·22512	·29708	8·80	44·4	21·4	99·9	63·5

Description of the Principal Magnetic Disturbances.

Declination.— 8d. Very slightly disturbed trace between 14h. and 16h. and at 20h.
21d., 22d., 24d. and 25d Faintly disturbed at times.
28d. Faintly disturbed at times.

Horizontal Force.— 8d. Slightly disturbed.
13d. Very faintly disturbed at end.
Very faintly disturbed at times on 18d. and 19d.
20d. to 26d. A moderately disturbed period of long duration. Large fluctuations in the trace at times. Between 22h. and 24h. on 23d, large positive wave of (50γ). 24d. Large decrease from 14h. to 18h. 15m. with only partial recovery.
26d. 01h. to 02h. Large positive wave (27γ).
27d. 23h. 15m. to 28d. 0h. 45m. Large positive wave (35γ).

Vertical Force.— 8d. and 9d. Small pulsations at times.
13d. Small pulsations at times.
18d. and 19d. Very faintly disturbed trace.
20d. to 26d. Very slightly disturbed at times.
On 23d., 22h. to 23h. Positive wave (8γ).
Very faintly disturbed trace at times on 26d. and 27d.

T=·37275 : Mean Dip=52° 50'·78 : (X=·21923 : Y=—·05113 : Z=·29708).

† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of MARCH 1936.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
d h m	° '	d h m		d h m	° '	
3·14·13	13·03.1	4· 9·23	·22568	3 14.00	52.46.95	·29701
10·11·38	13·08·9	7· 9·11	·22517	10·11·30	52·50·20	·29713
13·14·39	13·01·2	11· 9·32	·22521	13·14·30	52·47·25	·29689
24·11·45	13·06·2	13 9·08	·22546	24 12·11	52·48·62	·20695
31·13·58	13·05·8	18 9·16	·22525	31·13·50	52·49·43	·29691
		20· 8·47	·22508			
		25· 9·35	·22522			
		31· 9·03	·22512			

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

MARCH 1936.

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Hour \ Day.
	12° +																
Midnight	67·3	68·0	69·0	69·0	69·0	70·3	68·5	69·3	70·0	69·0	69·0	68·5	69·5	68·5	68·5	68·3	Midnight
1h	67·0	68·3	68·5	67·0	69·0	69·0	69·0	69·3	70·0	69·0	69·0	69·3	69·0	68·5	68·7	68·3	1h
2	66·4	68·0	69·0	68·5	70·5	69·0	69·5	69·0	69·5	68·0	69·3	70·3	68·5	68·3	69·0	68·5	2
3	66·2	68·0	68·7	68·5	70·0	69·0	69·5	69·0	69·0	67·0	69·5	70·0	69·0	68·0	68·7	68·4	3
4	66·0	67·5	66·5	68·3	69·0	68·7	69·3	68·0	67·0	68·0	69·0	69·0	69·0	68·0	68·3	68·2	4
5	66·5	67·5	67·5	68·0	69·0	67·5	69·0	67·0	68·0	68·3	69·0	68·0	69·0	68·0	68·5	68·2	5
6	66·5	66·7	67·0	68·0	68·0	67·0	68·7	68·0	66·5	67·5	68·5	68·0	69·0	67·7	68·7	68·1	6
7	66·0	67·0	68·0	68·5	66·0	68·0	68·7	70·0	64·0	67·5	69·0	67·0	68·0	69·0	69·0	68·5	7
8	68·0	69·0	70·0	69·0	68·5	71·0	70·0	70·0	69·0	70·0	70·0	69·5	69·5	70·5	71·0	70·3	8
9	70·7	71·0	71·0	72·0	71·0	71·0	70·5	71·0	69·0	71·0	71·5	70·0	72·5	71·5	73·0	71·5	9
10	71·0	71·0	71·0	72·3	69·5	69·3	69·0	70·0	69·0	70·7	72·0	72·0	72·0	71·5	73·5	71·0	10
11	71·0	70·7	70·0	70·0	70·5	69·0	66·5	67·0	68·0	69·7	70·0	72·0	71·0	70·0	71·0	69·7	11
Noon	69·0	68·3	69·0	69·0	68·5	67·0	65·0	66·0	66·5	68·3	68·5	71·0	69·0	67·5	69·0	67·9	Noon
13h	66·0	66·0	68·0	67·0	65·0	65·0	63·5	64·0	65·0	65·0	65·0	68·0	67·0	65·0	66·7	65·3	13h
14	64·0	64·0	65·0	64·0	63·0	64·0	63·0	63·5	65·0	63·5	64·0	66·5	66·0	64·0	66·0	63·4	14
15	64·0	63·0	64·0	63·5	62·0	64·5	63·5	64·0	65·0	63·5	63·5	65·5	65·0	63·3	65·7	63·0	15
16	64·5	63·5	64·0	64·0	64·0	65·5	64·5	66·0	66·0	64·5	64·5	66·0	65·5	64·5	65·5	64·2	16
17	66·0	65·0	65·0	66·0	66·5	67·0	66·0	67·0	67·5	67·0	66·0	67·0	66·7	65·0	66·0	65·6	17
18	67·0	66·7	66·3	67·0	68·0	67·5	67·3	68·0	68·5	68·0	67·3	68·5	68·0	67·5	67·0	67·0	18
19	67·5	67·3	67·0	68·0	68·0	67·7	68·5	69·0	68·7	68·5	68·0	69·0	68·0	67·7	67·5	67·5	19
20	68·0	67·5	67·0	68·5	68·5	67·7	68·0	68·7	68·7	68·5	68·5	68·5	68·3	68·3	67·5	67·7	20
21	78·0	67·5	67·0	68·5	68·3	68·0	69·5	68·5	69·0	68·7	69·0	6·87	68·3	68·5	68·3	67·9	21
22	68·3	67·7	67·0	69·0	69·0	68·3	69·0	68·5	69·0	69·0	69·3	68·5	68·5	68·5	68·7	68·0	22
23	68·0	68·0	68·0	69·3	68·7	69·5	69·0	69·7	69·0	69·0	69·5	69·0	68·7	68·5	69·0	68·3	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 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	506	512	515	523	530	521	520	518	507	503	512	520	517	517	513	500	Midnight
1h	507	513	512	525	530	522	516	520	509	512	517	521	520	518	514	505	1h
2	508	513	518	527	528	521	518	521	515	512	518	521	521	520	515	517	2
3	520	514	520	526	530	523	512	521	511	512	518	522	522	520	520	522	3
4	513	516	520	528	528	525	515	522	512	510	520	525	522	520	519	520	4
5	517	518	522	528	527	525	517	522	513	514	521	526	523	521	520	517	5
6	518	520	523	529	527	527	518	525	514	521	521	527	524	522	518	520	6
7	521	524	526	533	527	531	518	523	513	520	523	526	527	520	520	523	7
8	523	526	525	542	530	531	518	519	511	515	521	525	530	527	523	521	8
9	526	530	533	545	542	525	517	523	510	512	517	523	540	530	521	518	9
10	538	543	540	552	549	535	516	528	515	515	522	527	550	550	530	525	10
11	553	554	557	570	552	552	520	540	533	521	530	533	553	561	535	531	11
Noon	552	562	567	580	560	563	529	548	546	524	533	539	559	557	530	540	Noon
13h	539	563	562	581	558	562	537	550	545	529	532	537	557	545	531	535	13h
14	530	555	555	570	550	552	537	548	538	523	530	533	552	540	532	530	14
15	525	540	540	555	535	532	533	542	527	515	527	527	537	537	527	520	15
16	520	530	530	533	525	527	525	515	506	505	520	520	530	532	520	512	16
17	517	520	526	526	517	515	513	507	488	511	517	514	530	523	515	508	17
18	515	515	525	525	517	514	510	512	496	505	518	512	527	520	510	507	18
19	513	513	526	326	512	517	512	490	493	507	520	512	523	518	511	507	19
20	512	513	525	525	516	510	512	491	489	509	520	512	525	515	510	508	20
21	513	517	524	526	517	512	513	495	492	511	518	515	524	507	517	507	21
22	513	518	522	527	520	515	514	500	502	511	519	517	526	501	500	505	22
23	513	516	522	527	520	518	516	503	497	510	520	518	522	505	493	503	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day, / Hour.
	·22000 + (C.G.S. UNIT)·																
Midnight	505	510	489	520	491	479	500	481	485	488	500	506	494	499	508	506·1	Midnight
1h	507	520	500	517	500	497	517	485	487	490	495	485	499	501	510	508·7	1h
2	507	516	505	517	505	493	507	489	497	500	505	482	500	501	511	510·6	2
3	508	515	510	513	500	493	508	493	502	515	497	485	503	505	512	512·0	3
4	511	521	513	513	502	494	509	496	510	512	498	490	507	502	512	513·1	4
5	513	521	517	513	503	496	510	512	500	503	497	495	509	500	520	514·2	5
6	519	520	513	515	495	491	507	509	503	495	500	505	508	501	519	514·6	6
7	512	523	510	510	510	500	502	507	510	499	500	500	507	502	523	515·8	7
8	511	525	508	505	492	495	493	502	507	487	502	490	507	503	521	514·0	8
9	505	524	505	506	490	500	480	503	515	485	502	491	502	510	520	514·5	9
10	506	527	508	508	493	510	481	500	515	488	509	491	503	415	521	519·7	10
11	508	531	520	515	490	520	500	510	505	490	510	499	507	518	525	527·2	11
Noon	520	526	530	520	482	538	497	539	501	502	518	501	506	530	528	533·1	Noon
13h	531	523	535	517	491	537	491	550	507	511	510	499	500	533	520	532·8	13h
14	526	523	535	508	475	527	491	527	500	506	500	490	492	520	510	526·0	14
15	515	510	523	515	450	513	470	520	490	492	490	484	490	508	497	515·7	15
16	509	501	509	500	454	497	475	510	485	489	475	487	481	506	495	507·2	16
17	505	505	500	473	453	487	480	497	475	485	475	492	480	507	501	502·0	17
18	507	506	500	470	465	480	490	475	465	485	476	496	481	506	499	500·9	18
19	503	504	503	482	470	487	486	475	475	490	477	493	484	505	498	501·0	19
20	500	505	511	477	469	482	473	492	485	492	482	493	490	505	499	501·0	20
21	502	507	512	470	471	490	455	495	487	493	476	497	497	506	503	502·2	21
22	505	506	511	472	473	490	458	494	489	491	475	500	498	508	502	502·6	22
23	507	492	510	482	485	485	500	493	489	491	474	496	498	507	503	503·7	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)

MARCH 1936.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	721	717	715	713	712	714	713	712	715	717	714	711	711	709	710	711	Midnight
1h	720	718	716	714	712	714	715	712	715	715	713	711	711	710	710	711	1h
2	720	718	716	714	713	714	713	712	715	714	712	710	711	710	710	709	2
3	720	718	715	714	713	715	704	712	714	714	711	710	710	709	709	709	3
4	719	717	715	715	713	715	704	712	714	713	711	709	709	709	709	708	4
5	719	717	716	715	715	715	705	713	714	713	711	709	709	708	708	708	5
6	719	717	715	715	714	715	705	713	715	713	711	709	709	707	707	708	6
7	720	718	719	716	715	715	717	713	716	715	712	711	709	708	709	709	7
8	721	720	721	719	720	720	721	715	720	720	717	712	710	710	711	711	8
9	718	720	721	717	719	721	724	714	721	716	719	712	705	711	710	710	9
10	712	719	718	711	713	717	721	711	717	710	719	711	700	709	704	709	10
11	710	715	711	702	709	711	718	711	712	711	718	709	695	695	701	705	11
Noon	708	709	707	695	702	703	712	707	706	711	710	702	697	691	695	701	Noon
13h	705	699	702	688	700	700	703	701	700	703	699	697	693	689	691	700	13h
14	703	696	700	687	699	697	700	700	700	699	692	696	690	689	691	700	14
15	705	699	701	691	702	700	701	700	704	701	694	697	690	690	697	702	15
16	709	707	705	701	709	707	708	705	710	708	700	701	693	695	700	707	16
17	713	713	712	709	714	714	712	707	716	712	707	706	700	702	706	709	17
18	716	717	714	713	716	717	716	709	717	715	710	708	703	707	708	709	18
19	715	716	714	712	714	714	716	710	715	704	710	708	706	708	709	708	19
20	715	715	713	712	714	713	716	714	716	713	710	709	705	708	709	708	20
21	715	715	713	712	714	713	716	715	717	713	711	710	708	709	709	708	21
22	716	715	713	712	715	714	715	716	717	715	712	711	709	710	710	708	22
23	716	715	713	712	715	714	715	716	718	715	712	711	710	711	711	709	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	709	710	710	707	710	711	711	711	714	713	711	710	709	710	705	711·8	Midnight
1h	709	710	710	705	709	709	709	711	713	713	711	711	709	709	706	711·6	1h
2	708	710	709	706	710	709	709	711	710	709	710	711	708	709	706	711·2	2
3	707	709	709	707	709	709	708	710	710	709	709	710	708	709	706	710·5	3
4	708	708	708	707	709	709	708	710	708	708	709	709	708	708	706	710·2	4
5	708	708	708	707	709	709	709	709	709	709	708	708	707	709	705	710·2	5
6	708	707	707	708	709	710	710	710	708	709	708	708	707	709	705	710·2	6
7	707	709	709	711	710	712	712	712	709	710	710	708	708	711	706	711·8	7
8	712	711	711	715	715	717	706	714	714	712	711	712	712	710	709	714·5	8
9	715	710	711	716	720	716	713	713	714	711	715	718	719	707	711	715·1	9
10	716	708	707	714	713	711	721	708	715	707	712	719	713	705	707	711·8	10
11	714	705	704	709	705	707	705	701	711	701	705	718	709	701	698	707·3	11
Noon	703	701	695	703	699	700	698	695	709	701	700	711	701	693	694	702·0	Noon
13h	697	693	685	697	689	694	699	691	701	696	695	703	698	684	691	696·2	13h
14	693	692	683	693	689	698	701	695	701	696	696	701	699	682	693	695·2	14
15	694	694	687	695	691	702	702	699	702	700	699	700	699	687	696	697·4	15
16	698	700	692	698	700	706	707	701	709	702	702	701	701	694	699	702·5	16
17	704	703	698	702	707	711	708	707	711	708	707	704	705	699	700	707·3	17
18	703	707	702	708	709	712	711	709	712	709	708	706	707	701	702	709·7	18
19	708	707	704	709	709	711	711	711	712	709	708	707	707	703	703	709·6	19
20	708	707	704	710	710	711	711	711	712	710	709	707	708	704	705	710·2	20
21	709	708	704	710	711	711	714	711	713	710	710	708	709	704	706	710·8	21
22	709	708	705	712	712	711	716	712	713	711	711	709	709	705	706	711·5	22
23	709	709	707	711	711	713	712	713	713	711	713	709	709	706	707	711·8	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of MARCH 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall		Duration of Bright Sunshine.	Percentage of Possible Sunshine.
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.		
MARCH	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	964·7	24·3	2·2	20·5	89	23·9	50	2·2	10	21·9	22·3	25·6	22·8	27·5	21·9	5·6	13·9	105	1·4	11
2	964·7	27·1	3·6	21·1	70	24·8	70	5·4	3	22·3	25·6	28·0	23·2	28.7	22·2	6·5	0.0	...	10·8	87
3	965·2	26·4	2·7	21·8	76	25·9	70	6·3	8	22·4	26·0	27·5	23.8	28·6	22·0	6.6	0.0	...	9·2	74
4	965·4	26·3	2·8	21·6	75	25·5	75	6·3	7	22·6	24·9	27·4	24·0	28·0	22·4	5·6	10·6	90	9·5	76
5	964·7	23·9	1·0	22·2	90	26·5	70	3·1	10	21·8	22·4	26·3	23·6	27·7	21·4	6·3	24·1	96	4·4	43
6	963·8	26·3	3·0	21·2	73	24·9	70	6·7	10	22·4	25·1	26·6	24·3	27·5	21·4	5·1	0 0	...	3·0	24
7	965·8	25·2	2·1	21·6	80	25·5	70	5·8	10	23·0	24·0	27·6	23·8	28·4	22·6	5·8	0·0	...	7·7	63
8	967·5	24·9	1·6	22·2	85	26·5	80	4·0	8	23·2	23·7	28·0	23·6	28·8	22·4	6·4	2·3	23	8·4	68
9	967·4	26·9	3·5	21·0	70	24·6	90	7·2	9	23·0	25·0	27·9	23·4	29·5	22·5	6·0	0·0	...	9·6	78
10	965·0	26·3	3·0	21·2	73	24·9	70	4·0	3	22·6	25·5	26·5	22·6	28·1	22·1	6·0	0·7	19	10·7	87
11	965·1	26·3	2·8	21·6	75	25·5	110	6·7	8	22·6	24·2	25·5	22·5	27·5	22·1	5·4	5·0	77	8·1	66
12	965·9	24·9	2·1	21·3	80	25·1	90	7·6	8	22·0	23·7	26·5	22·5	27·6	21·7	5·9	12.9	87	9·6	78
13	966·6	25·6	2·7	21·0	76	24·6	95	6·7	7	21·8	23·5	25·0	22·0	27·2	21·8	5·4	3·7	45	7·5	61
14	966·5	25·5	3·1	20·2	72	23·4	90	5·8	7	21·2	24·0	27.0	21·1	27·7	21·0	6·7	0·0	...	11·1	91
15	964·6	24·9	3·5	18·9	69	21·6	110	4.0	5	19·4	23·0	...	...	27·7	17·5	10·2	0·0	...	10·3	84
16	962·4	25·4	3·9	18·8	67	21·5	105	2·7	2	...	...	26·5	21·2	27·8	17·6	10·2	0·3	5	11·1	91
17	963·6	24·3	2·0	20·9	82	24·5	110	8·1	9	20·6	21·9	22·0	20·1	26·3	20·5	5·8	4·7	134	5·9	48
18	965·9	22·3	0·9	20·7	91	24·2	110	8·1	10	20·0	20·9	22·5	20·8	23·9	20·0	3·9	10·9	190	4·9	41
19	965·2	24·8	4·3	17·4	63	19·7	135	9·4	0	20·7	23·8	25·3	21·3	26·3	20·1	6·2	0·0	...	10·3	85
20	963·6	24·9	2·5	20·6	77	24·0	110	8·5	7	21·8	23·9	23·6	22·5	25·5	21·5	4·0	14·6	358	8·0	66
21	963·7	24·0	1·0	22·3	90	26·7	110	9·8	9	22·2	21·5	23·9	21·5	24·5	21·1	3·4	31·3	586	8·0	66
22	962·9	22·9	0·5	22·0	95	26·2	130	10·7	10	21·4	21·9	25·0	22·6	25·1	21·4	3·7	1·7	58	5·1	42
23	963·8	26·2	2·3	23·3	79	26·7	110	2·7	6	21·8	25·0	24·9	22·9	28·5	21·6	0·9	3.0	43	4·8	40
24	963·4	27·4	3·6	21·4	70	25·2	Calm		8	21·5	27·0	25·6	21·7	29·6	20·9	8·7	0·7	17	6·6	55
25	964·2	26·5	4·1	19·6	66	22·6	Calm		6	20·2	24·3	26·4	21·6	28·9	18·9	10·0	3·4	30	6·1	51
26	964·7	23·7	1·2	21·6	88	25·5	90	3·6	10	21·0	22·8	25·5	21·5	26·0	20·9	5·1	2·6	83	5·4	45
27	965·9	23·2	0·9	21·6	91	25·5	90	8·1	10	20·9	21·5	23·4	21·8	25·6	20·9	4·7	5·2	126	3·0	25
28	966·2	24·9	2·7	20·3	76	23·6	95	6·7	9	21·9	23·1	26·2	22·0	26·6	21·4	5·2	0·4	3	8·6	72
29	966·1	25·7	2·3	21·8	79	25·9	95	4·9	5	22·0	23·4	27·1	22·4	27·9	22·0	5·9	0·5	3	8·9	75
30	965·1	24·9	1·6	22·2	85	26·5	95	5·4	9	21·4	22·6	26·0	21·2	26·5	21·4	5·1	0·6	26	7·8	66
31	963·8	25·9	3·4	20·1	70	23·3	Calm		6	20·6	25·4	25·0	20·9	28·1	20·5	7.6	0 0	...	6·1	51
Mean	964·9	25·2	2·5	21·0	78·1	24·7	...	5·5	7·4	21·6	23·7	25·8	22·3	27·3	21·1	6·1	153·1	2204	7·48	61·6
Average	964·6	24·5	2·3	20·4	79·1	23·9	...	3·5	6·7	...	...	...	...	26·6	20·2	6·4	309·6	...	6·95	57·3
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	41·4mbs.	Amount of rain	—	21·5mms.
Temperature of the Air	+	2·4°C	Duration of sunshine	+	27·5hrs
Vapour Pressure	+	1·8mbs.	Mean of maximum temperatures	+	2·0°C
Relative Humidity	—	5·7%	,, minimum temperatures	+	2·0°C
Velocity of Wind	+	1·6mps.	Absolute maximum temperature	+	1·2°C
Amount of Cloud	—	1·4	,, minimum temperature	+	1·4°C

Greatest Rainfall intensity 13·3 mms. in 20 mins.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1936.

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
MARCH		mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mm.	min		mm
1	1004·8	− 0·1	29·8	24·1	5·7	25·8	+ 0·1	1·6	23·1	+ 1·3	85	+ 6	28·0	21·9	8·6	61	6·1	7·3
2	1004·8	− 0·1	29·9	23·8	6·1	26·6	+ 1·0	2·2	22·9	+ 1·2	80	0	27·6	22·8	3·4	27	3·7	4·3
3	1005·2	+ 0·3	29·9	23·9	6·0	26·5	+ 0·9	1·9	23·3	+ 1·6	83	+ 3	28·3	21·8	1·6	29	6·2	6·6
4	1005·4	+ 0·4	30·0	24·1	5·9	26·9	+ 1·3	1·9	23·7	+ 1·8	83	+ 3	29·0	23·4	22·2	77	7·2	8·1
5	1004·5	− 0·5	29·1	23·2	5·9	25·8	+ 0·2	1·6	23·1	+ 1·2	85	+ 5	28·0	22·2	54·4	155	*	9·3
6	1004·2	− 0·8	29·9	23·8	6·1	26·4	+ 0·8	2·1	22·9	+ 1·0	81	+ 1	27·6	23·0	0·0	...	4·6	8·7
7	1005·9	+ 0·8	29·8	24·9	4·9	26·9	+ 1·3	2·1	23·4	+ 1·5	81	+ 1	28·5	23·4	0·0	...	5·6	6·9
8	1007·7	+ 2·6	30·0	24·7	5·3	26·6	+ 1·0	1·8	23·6	+ 1·7	83	+ 3	28·8	23·6	4·0	50	3·6	7·0
9	1006·9	+ 1·7	30·1	24·3	5·8	26·7	+ 1·1	2·2	23·0	+ 1·1	80	0	27·8	23·5	0·2	5	6·3	7·0
10	1005·5	+ 0·3	29·7	24·6	5·1	26·6	+ 1·0	2·4	22·5	+ 0·6	78	− 2	27·0	23·4	2·2	10	6·9	4·5
11	1005·6	+ 0·3	29·2	24·1	5·1	26·3	+ 0·7	2·0	23·9	+ 1·0	81	+ 1	27·6	23·0	3·4	38	6·9	5·3
12	1006·8	+ 1·5	29·2	23·9	5·3	26·0	+ 0·4	2·0	22·6	+ 0·7	81	+ 1	27·1	22·6	7·2	62	5·2	6·5
13	1007·2	+ 1·8	29·1	23·7	5·4	25·9	+ 0·4	2·1	22·4	+ 0·6	81	+ 1	26·8	22·4	6·0	25	7·3	5·5
14	1006·5	+ 1·1	29·2	22·7	6·5	25·7	+ 0·2	3·0	20·6	− 1·2	73	− 7	24·0	21·3	0·0	...	6·3	1·9
15	1004·4	− 1·1	29·6	18·9	10·7	23·9	− 1·6	2·5	19·6	− 2·3	77	− 3	22·6	15·2	0·3	18	7·2	3·8
16	1003·2	− 2·3	29·8	18·9	10·9	24·5	− 1·0	3·0	19·3	− 2·6	73	− 7	22·2	15·0	0·1	5	4·1	3·0
17	1005·7	+ 0·1	28·2	21·8	6·4	24·4	− 1·1	2·0	21·0	− 0·9	81	+ 1	24·6	18·5	0·0	...	5·9	6·3
18	1006·6	+ 0·9	28·1	22·8	5·3	24·7	− 0·8	2·2	20·9	− 1·0	80	0	24·5	21·2	1·9	40	4·4	8·2
19	1004·9	− 0·8	29·2	22·9	6·3	25·5	0·0	3·8	19·0	− 2·9	67	− 14	21·8	20·0	0·0	...	7·4	2.1
20	1003·8	− 2·0	28·7	22·2	6·5	25·6	+ 0·1	2·1	23·0	+ 0·1	81	0	26·2	20·2	1·9	32	6·6	5·2
21	1003·3	− 2·5	29·0	24·3	4·7	26·0	+ 0·6	2·4	21·9	+ 0·1	78	− 3	26·0	22·0	1·9	20	5·4	3·4
22	1003·4	− 2·5	29·0	24·1	4·9	26·2	+ 0·8	2·6	21·8	0·0	77	− 4	25·9	22·1	0·0	...	6·8	5·1
23	1003·8	− 2·1	29·5	22·0	7·5	25·4	0·0	1·5	22·8	+ 1·0	86	+ 5	27·5	19·5	2·2	38	5·2	6·0
24	1004·0	− 2·0	30·8	22·6	8·2	25·9	+ 0·5	2·0	22·5	+ 0·7	81	0	27·0	20·0	0·0	...	3·3	4·0
25	1004·4	− 1·6	30·6	20·3	10·3	25·0	− 0·4	2·1	21·4	− 0·4	80	− 1	25·2	17·0	0·0	...	4·5	3·7
26	1005·4	− 0·7	28·1	22·9	5·2	25·3	0·0	1·6	22·6	+ 0·9	85	+ 4	27·1	21·4	1·2	3	3·1	5·4
27	1007·0	+ 0·9	27·6	23·3	4·3	25·1	− 0·2	1·5	22·5	+ 0·8	86	+ 5	27·0	23·0	8·0	144	2·9	8·2
28	1006·9	+ 0·8	28·9	23·9	5·0	25·7	+ 0·4	2·4	21·6	− 0·1	78	− 3	25·5	22·0	0·8	23	5·6	7.2
29	1006·5	+ 0·2	29·1	24·0	5·1	26·1	+ 0·8	2·0	22·7	+ 1·0	81	0	27·3	22·8	0·0	...	5·7	3·0
30	1005·0	− 1·2	28·2	22·9	5·3	25·4	+ 0·2	1·9	22·2	+ 0·6	83	+ 3	26·5	20·0	0·1	7	5·8	3·8
31	1004·1	− 2·2	29·2	21·5	7·7	25·1	− 0·1	2·3	21·2	− 0·4	79	− 1	24·9	19·0	0·0	...	5·5	3·6
Mean	1005·3	− 0·3	29·3	23·1	6·2	25·8	+ 0·3	2·2	22·1	+ 0·3	80·2	− 0·1	26·4	21·2	Sum 131·5	Sum 904	5·5	5·5
Aver.	1005·6	...	28·9	22·3	6.6	25·5	...	2·2	21·8	...	80·3	...	25·9	19·9	220·4	2321	4·8	5·9
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF MARCH 1936.

As for last month conditions were much quieter than usual for the time of the year and there was no important cyclonic activity. On the 4th—5th a small cyclonic centre formed in a "low" situated off the N.N.E. of Madagascar. Reaching the high ground in Madagascar on the 6th—7th it recurved and moved successively S. and S.S.E. without any notable development.

Another small cyclone formed on the 16th—18th to the N.N.E. of Rodrigues. From the 19th—21st it slowly recurved and then moved S.S.E. and S.E. passing to the East of Rodrigues on the 22nd.

The consistently high temperature values recorded last month were again noticeable during the first fifteen days of the month ; the excess of bright sunshine amounted again to about 10 % of the normal value while the rainfall deficit was more than 40% of the average at the Observatory.

* Evaporometer overflowed.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1936

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather
MARCH	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	2·5	20	2·0	— 1·3	25·1	26·8	28·4	28·4	b : ct : ogrt : cgt : c : bc : cr_0r_0 .
2	11·5	93	2·6	— 0·7	25·2	26·9	28·3	28·4	cr : b bc : b .
3	7·9	64	3·0	— 0·3	25·1	26·8	28·3	28·8	b : bc : bcr_0 : c or_0tsm : or_0 .
4	9·8	79	2·9	— 0·4	25·1	26·8	28·3	28·6	c : cRR . c : cq_0 : c : bcl : crr .
5	4·7	38	2·3	— 1·0	25·5	26·9	28·5	28·5	oRR : oRRt : crr : c .
6	4·5	36	2·5	— 0·8	25·5	27·1	28·5	28·4	c bc : c : o : c .
7	9·6	78	2·6	— 0·7	25·3	26·9	28·4	28·6	c : bc .
8	8·5	69	2·0	— 1·3	25·5	27·1	28·4	28·8	bc : cr_0r_0 : c : bc .
9	10·3	84	2·5	— 0·8	25·3	26·9	28·4	28·7	o : or_0 : c : bc .
10	10·6	86	4·4	+ 1·1	25·5	27·1	28·5	29·0	bd_0 : bc : bcr .
11	10·3	84	4·1	+ 0·8	25·3	26·9	28·5	28·9	b : br : bc : bcq_0 : : bcr_0r_0 .
12	10·9	89	3·8	+ 0·5	25·5	27·1	28·6	28·9	cqrr : bcr_0 : c : bc : b .
13	9·3	76	3·3	0·0	25·3	26·9	28·5	28·8	bc : bcr_0 : bcq_0 : bc : b .
14	11·6	95	2·8	— 0·4	25·3	27·1	28·5	28·8	b .
15	6·6	54	1·9	— 1·3	25·3	26·9	28·5	28·6	b : bc : bcg : cgr_0r_0 bc : b .
16	10·2	84	1·3	— 1·9	25·3	27·0	28·4	28·1	b : bc : b .
17	5·4	44	3·4	+ 0·2	25·5	27·1	28·4	28·3	bc : c : bc .
18	7·9	65	4·1	+ 0·9	25·3	26·9	28·3	28·1	c : bcq_0 : : cr_0r_0 : c .
19	11·3	93	4·3	+ 1·1	25·4	27·0	28·1	28·1	b : bc : b .
20	7·0	58	3·8	+ 0·6	25·5	27·1	28·1	27·9	b bc : cg : or_0 : bcr_0r_0 .
21	9·7	80	5·6	+ 2·4	25·4	26·9	28·1	27·8	bcr_0 : bc : bcq : bq .
22	7·2	60	3·6	+ 0·4	25·5	27·0	28·1	27·9	bc : bq : cq : bc : b .
23	8·2	68	1·7	— 1·5	25·5	27·1	28·1	28·0	b : bcg : or_0 : or_0r_0 : c : bc .
24	7·1	59	1·6	— 1·6	25·4	26·9	28·1	27·9	b : bc : c : b .
25	6·4	53	1·4	— 1·8	25·4	27·0	28·1	28·0	b_0 : b : bc : c : bct .
26	7·9	66	2·3	— 0·9	25·5	27·0	28·0	27·9	bc : bcr_0 : : bc .
27	5·6	47	4·5	+ 1·3	25·6	26·9	28·0	27·9	cr_0r_0 : cqr_0 : cq : bc .
28	7·8	66	3·7	+ 0·5	25·5	27·0	28·0	27·9	o : cr_0 : bc : cr_0 : bcr_0 : bc .
29	10·6	80	3·5	+ 0·3	25·5	27·0	28·0	28·0	b : : bc : b .
30	10·7	90	2·9	— 0·3	25·6	26·9	28·0	28·0	b : bc : b .
31	7·8	66	1·7	— 1·5	25·5	27·0	28·0	27·9	b_0 : b : bc : c : bc : b .
Mean	8·37	68·8	2·97	—0·27	25·39	25·68	28.28	28·32	.....
Average	7·15	58·6	3·24	...	25·39	27·07	28·43	28·96	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MARCH 1936.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1009·0mbs.	at 09 & 10hrs.	on 8th	1002·0mbs	at 15 & 16hrs.	on 16th
Temperature of the Air	30·8°C	at 12·45hrs.	on 24th	18·9°C	at 06·20hrs. / 05·45hrs.	on 15th / on 16th
Daily range of temperature of the Air ...	10·9°C	... ...	on 16th	4·3°C	..	on 27th
Temperature of the Dew Point	25·0°C	at 10.00hrs.	on 8th	16·7°C	at 04·00hrs.	on 16th
Daily range of temperature of the Dew Point	4·9°C	...	on 16th	1·6°C	...	on 3rd
Minimum on Grass	...	...	...	15·0°C	...	on 16th
Relative humidity	95·6%	at 07·00hrs.	on 8th	49·2%	at 13·00hrs.	on 19th
Vapour Tension	31·4mps.	at 10.00hrs.	on 8th	18·8mbs.	at 04·00hrs.	on 16th
Evaporation in 24 hours	7·4mms.	...	on 19th	2·9mms.	...	on 27th
Wind Velocity	9·4m.p.s.	at 14·00hrs.	on 21st	0·6hrs.	...	often
Rainfall in 24 hours	56·8mms.	ending 11hrs.	on 5th		...	...
Duration of sunshine	11·6hrs	...	on 14th	2·5hrs.	...	on 1st

Mean Day Temperature of Air, 27·34°C. Average 26·86°C. Mean Night Temperature of Air 24·20°C. Average 23·57°C.

NUMBER OF DAYS OF:—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	0.1 — 0.9 mms.	5.0 — 9.9 mms.	10.0—24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	5	15	11	...	5	10	4	1	1	1	1

ERRATA

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For mean value please *read* 26·97 *instead of* 25·68.

TABLE VIII.—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 55·2 metres above mean sea-level.)

MARCH 1936.

The initial 10 or 9 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	049	061	050	060	059	056	058	076	080	066	061	069	076	080	064	040	Midnight
1h	042	054	048	055	051	048	052	072	075	060	060	065	071	076	061	036	1h
2	037	047	042	049	048	041	049	070	070	056	060	061	069	070	059	030	2
3	036	042	042	043	041	034	045	067	066	051	053	059	061	064	050	024	3
4	029	040	046	043	041	029	043	061	065	050	051	056	060	061	046	021	4
5	033	041	051	045	041	030	046	067	065	050	051	058	060	061	046	021	5
6	038	044	055	050	045	033	053	070	068	051	052	060	061	067	048	025	6
7	046	050	056	056	046	039	060	077	069	051	056	064	067	071	051	031	7
8	052	056	064	060	055	045	064	083	073	054	060	070	071	077	059	037	8
9	057	058	067	066	060	050	069	090	078	060	061	076	078	079	060	040	9
10	061	056	069	067	060	050	070	090	081	062	066	078	080	080	060	036	10
11	059	056	059	068	055	048	068	089	080	060	062	080	081	074	052	035	11
Noon	052	051	051	061	050	040	063	086	073	058	060	078	080	069	044	032	Noon
13h	049	043	050	057	041	033	058	080	070	056	051	070	073	060	037	026	13h
14	041	039	043	050	030	030	052	074	063	050	047	061	070	051	029	021	14
15	040	037	039	042	023	026	050	068	059	041	043	059	068	046	023	020	15
16	041	038	036	040	021	029	049	064	059	042	044	058	066	046	024	020	16
17	043	039	040	042	024	032	049	065	058	043	045	060	064	047	026	021	17
18	048	041	045	046	030	040	050	071	060	049	050	061	071	051	030	025	18
19	050	043	051	050	039	042	059	077	066	055	055	076	072	056	033	031	19
20	059	050	058	056	048	049	067	081	070	060	060	073	078	061	039	039	20
21	061	056	063	061	051	056	072	086	072	065	062	079	080	069	040	048	21
22	065	060	066	063	057	060	076	089	073	066	070	080	082	070	042	050	22
23	065	059	064	060	057	061	076	082	070	064	071	079	081	070	040	050	23

The initial 10 or 9 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	059	078	068	050	041	041	040	049	047	060	071	077	073	065	047	1006·0	Midnight
1h	046	076	061	043	036	036	038	043	042	055	069	071	071	060	041	1005·5	1h
2	042	070	053	039	030	031	034	040	039	050	070	066	069	058	039	1005·1	2
3	040	068	047	033	028	030	030	037	036	047	064	065	066	052	032	1004·7	3
4	039	065	042	031	027	030	031	037	035	046	061	067	067	051	031	1004·6	4
5	040	064	042	034	029	030	031	038	036	046	061	066	069	050	031	1004·6	5
6	044	066	051	034	031	030	036	041	040	049	064	069	070	051	037	1004·9	6
7	051	066	053	039	039	031	040	043	044	050	069	067	071	057	041	1005·3	7
8	060	072	061	042	041	035	043	048	052	059	071	071	074	060	047	1005·9	8
9	062	076	067	045	046	035	050	049	056	062	075	078	076	060	050	1006·2	9
10	063	076	066	047	046	039	049	046	054	061	076	080	074	060	050	1006·3	10
11	061	074	061	048	041	040	042	041	051	060	074	080	072	059	048	1006·1	11
Noon	060	067	053	042	036	038	038	036	042	059	071	075	069	049	041	1005·6	Noon
13h	055	060	043	037	029	031	031	031	039	051	070	066	060	041	031	1004·9	13h
14	051	052	039	031	020	027	030	030	033	044	068	062	055	036	030	1004·4	14
15	051	051	030	026	014	025	027	027	029	041	060	060	050	031	029	1004·0	15
16	051	051	031	029	018	022	028	025	030	041	059	056	050	031	030	1004·0	16
17	057	055	031	030	023	024	029	029	032	045	061	058	051	035	032	1004·2	17
18	061	060	036	031	024	030	032	032	037	048	067	060	054	040	037	1004·6	18
19	067	067	043	034	030	034	040	041	046	052	071	062	059	043	041	1005·1	19
20	071	070	051	040	038	040	044	046	051	060	076	071	064	050	049	1005·7	20
21	078	071	056	043	040	042	050	051	060	069	082	076	069	054	052	1006·2	21
22	080	072	057	046	041	047	051	051	061	073	083	079	070	057	053	1006·4	22
23	079	071	051	042	041	044	050	049	060	071	079	076	069	052	052	1006·2	23

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

Hour \ Day.	March 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	3	10	1	9	10	10	8	5	8	3	4	8	5	1	1	1	3	6	2	1	6	2	2	5	0	5	6	9	2	1	0	4·4
1h	3	10	1	8	10	9	8	5	8	3	4	9	5	2	1	1	3	8	1	1	6	2	2	2	0	3	6	10	2	1	0	4·3
2	2	7	1	9	10	9	9	6	10	3	2	10	7	2	1	1	4	9	1	1	4	5	3	2	0	4	8	10	2	1	0	4·6
3	3	4	1	8	10	9	9	7	10	3	2	9	8	2	1	2	6	10	2	1	2	7	3	2	0	4	8	10	2	1	0	4·7
4	7	3	1	10	10	9	9	7	10	3	2	8	8	3	1	3	7	9	2	1	2	7	4	2	0	4	8	10	2	1	0	4·9
5	9	2	5	8	10	9	8	8	9	3	3	8	5	3	1	2	4	9	2	1	3	5	1	1	0	3	8	8	5	2	1	4·7
6	9	2	6	8	8	9	7	8	9	5	5	6	5	7	2	2	4	8	3	2	5	4	3	1	0	2	8	6	7	3	2	5·0
7	10	4	5	8	9	6	8	8	9	5	4	5	5	3	2	2	5	8	2	4	5	3	3	1	1	6	9	7	2	3	1	4·9
8	10	5	4	8	9	7	8	8	8	6	3	6	5	4	2	2	7	8	1	3	4	2	3	1	1	4	10	8	3	4	0	5·0
9	10	7	7	8	9	7	8	8	8	6	5	7	5	3	4	2	7	9	1	4	5	3	4	1	2	6	10	5	3	5	1	5·5
10	9	7	8	8	9	7	8	8	8	6	5	5	6	3	7	4	8	8	1	6	4	7	6	3	3	9	9	7	2	5	1	6·0
11	10	6	7	7	9	9	7	8	8	4	5	9	6	3	7	4	8	7	2	9	3	9	7	4	4	7	9	8	2	7	5	6·5
Noon	9	2	8	7	9	10	6	8	8	5	5	8	6	3	8	4	9	7	2	9	3	9	8	4	5	8	9	9	2	9	5	6·6
13h	7	4	8	10	9	9	8	6	7	4	8	8	9	1	4	4	8	7	3	9	3	8	9	7	6	7	9	9	3	8	7	6·7
14	8	4	8	9	9	6	8	6	6	5	7	8	8	1	8	7	8	7	4	8	2	9	10	9	8	6	9	9	2	7	8	6·9
15	9	5	9	10	9	7	7	5	6	5	8	7	5	1	8	7	8	8	4	8	2	8	10	9	9	6	9	9	3	6	9	7·0
16	8	5	9	8	9	10	7	7	6	5	8	7	6	1	8	7	8	8	4	9	2	8	10	9	8	7	9	7	4	6	9	7·1
17	8	5	9	8	9	10	7	8	5	5	6	8	7	1	8	7	9	9	4	10	3	7	10	9	8	7	9	6	6	6	9	7·2
18	7	5	9	8	9	10	7	8	5	5	5	8	8	1	7	7	9	9	5	10	4	7	9	9	7	7	9	6	8	6	9	7·2
19	6	3	10	6	9	10	5	6	5	7	6	8	5	1	5	4	7	10	2	10	3	4	9	8	5	7	8	3	3	7	7	6·2
20	5	2	10	8	9	10	4	6	5	3	6	1	4	0	3	1	5	6	1	5	2	2	8	1	4	5	6	5	2	1	5	4·4
21	4	2	10	6	9	10	4	6	5	2	7	1	3	0	1	1	4	8	1	5	2	2	8	1	3	4	6	5	2	1	3	4·1
22	8	2	9	7	9	9	4	6	5	5	7	2	2	0	1	1	4	8	1	4	2	2	6	1	7	4	7	5	2	1	2	4·3
23	8	2	9	8	10	9	4	8	4	5	9	2	2	0	1	2	5	8	1	4	2	2	5	1	6	4	7	4	2	1	1	4·4

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

Hour Ending. \ Day.	March 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	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	...
7	0	46	52	15	1	0	1	35	0	16	8	30	0	48	50	52	7	22	41	42	2	40	30	49	47	22	0	27	46	26	41	13·1
8	0	60	60	40	0	16	57	15	30	43	55	60	44	60	60	60	35	46	60	60	54	60	60	60	60	24	0	60	60	59	60	23·6
9	0	60	53	60	0	57	53	29	60	60	60	51	60	60	51	60	28	21	60	60	59	50	60	60	60	15	6	59	60	59	60	24·8
10	0	60	7	60	40	55	57	46	60	60	60	60	60	60	55	60	17	53	60	55	59	46	60	60	60	29	50	47	60	53	60	26·1
11	2	60	25	60	60	24	60	19	60	60	60	60	60	60	39	60	56	60	60	15	60	12	14	46	60	44	59	5	59	52	60	23·9
Noon	40	60	45	60	55	4	60	53	60	60	60	60	57	60	49	50	40	60	60	45	60	17	13	60	50	48	50	48	58	56	52	25·8
13h	52	60	00	60	39	38	60	60	60	60	50	60	30	60	60	60	50	60	60	45	60	26	10	60	45	60	26	60	60	47	35	26·2
14	34	60	55	60	50	42	60	60	60	60	50	60	37	60	28	36	55	60	60	53	60	7	7	28	4	60	26	50	60	58	51	25·2
15	7	60	45	60	35	15	60	60	60	60	57	55	60	60	0	50	27	46	60	37	60	46	60	0	0	60	55	20	60	60	48	23·1
16	0	60	60	60	0	19	60	60	60	60	60	58	60	60	3	60	10	31	60	10	60	27	60	4	0	57	52	52	60	60	0	21·4
17	12	60	10	55	0	0	6	53	60	60	55	58	60	60	2	42	0	15	52	0	47	60	7	0	0	45	12	28	48	56	0	16·1
18	2	48	0	2	0	0	40	18	46	35	43	42	30	50	0	24	0	0	47	0	0	37	60	0	0	12	0	9	3	56	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	60	0	0	0	0	0	0	0	0	...

The total Amount of Registered Sunshine was 259.4 hrs. and the total possible sunshine was 377·3 hrs.

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

(*To obtain temperatures on the Absolute Scale add 273*)

MARCH 1936.

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
Midnight	24·1	1·4	25·0	1·0	24·9	1·0	26·0	1·0	25·0	0·8	24·6	1·3	25·0	1·0	25·4	1·2	Midnight
1h	24·6	1·5	24·9	0·8	24·6	1·0	25·9	1·0	24·9	1·1	24·5	1·2	25·6	0·9	25·7	1·1	1h
2	24·6	1·4	24·6	0·6	24·4	1.0	25·9	1·1	24·6	0·7	24·2	1·0	25·4	1·1	25·8	1·4	2
3	24·6	1·3	24·3	0·6	24·3	0·8	25·0	1·0	24·0	1·0	24·0	1·0	25·0	1·1	25·4	1·1	3
4	24·9	1·4	24·2	0·6	24·2	0·9	24·8	0·9	24·0	0·7	23·9	0·9	25·0	1·0	25·1	1·0	4
5	24·6	1·5	24·0	0·8	23·9	0·9	24·2	0·7	23·6	0·6	23·9	0·9	25·0	1·0	25·0	0·9	5
6	25·0	1·7	24·1	0·8	24·3	1·0	25·1	0·8	23·3	0·9	24·0	1·0	25·0	0·9	24·9	0·9	6
7	25·1	1·3	25·3	1·3	25·3	1·1	25·5	0·8	23·5	0·7	24·9	1·1	25·1	0·8	25·2	0·5	7
8	25·0	0·9	27·2	1·9	27·1	2·1	26·9	1·7	24·4	0·6	26·0	1·2	27·3	2·1	25·6	0·7	8
9	25·1	0·9	28·1	2·8	27·7	2.7	27 9	2·6	24·0	1·0	28·0	3·0	28·1	3·1	26·8	1·4	9
10	24·9	0·8	28·7	3·5	26·9	1·8	28 2	2·3	26·1	1·4	28·9	3·9	28·7	3·4	27·0	1·2	10
11	25·3	1·0	29·2	4·2	27·9	2·9	28·7	2·8	28·2	2·3	28·7	3·5	29·3	3·9	28·1	2·3	11
Noon	28·1	3·4	29·5	4·4	29·2	3 4	29·1	3·2	28·7	2·9	28·7	3·6	29·2	3·7	28·4	2·6	Noon
13h	29·1	2·9	29·2	4·1	29 3	3·2	29·1	3·2	28·3	2·9	29·1	4·1	29·2	3·4	29·8	3·8	13h
14	28·9	3·0	29·5	4·7	29·7	4·4	29·6	3·6	28·9	3·6	29·4	4·4	29 2	3·5	29·7	3·9	14
15	28·2	2·5	29·3	4·7	29·0	3·9	29·7	3·7	28·4	3·6	28 8	3·6	29·1	3·9	29·2	4·0	15
16	27·0	2·7	28·8	4·1	28·7	3·5	29·0	3·0	27·9	2·8	28·2	3·1	28·0	3·7	29·2	3·6	16
17	27·0	2·2	28·4	3·6	27·9	2 9	28·9	3 6	27·7	2·7	28·0	2·9	27·9	2·9	28·1	3·0	17
18	27·0	2·1	27·4	2·7	27·3	2·4	28·0	2·9	27·4	2·2	27·1	2·4	27·2	2·3	27·2	2·5	18
19	25·9	1·6	26·2	1·9	26·0	1·0	26·3	1·6	26·2	1·5	26·0	1·2	26·3	1·7	26·0	1·5	19
20	25·0	1·0	25·7	1·5	25·7	1·1	26·1	1·3	25·6	1·5	25·8	1·1	25·7	1·4	25·1	1·0	20
21	25·1	1·0	25·1	1·1	25·6	1·0	26·1	1·2	25·2	1·3	25·5	1·2	25·9	1.2	25·0	1·0	21
22	25·0	0·9	25·0	1.1	25·6	0·9	25·6	1·2	25·1	1·3	25·0	1·0	26·0	1·3	24·8	1·0	22
23	24·9	1·0	25·1	1·1	25·9	1·0	25·0	1·0	25·0	1·4	24·9	0.9	25·8	1·1	24·9	1·0	23

Day. / Hour.	9d. Air.	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air	16d. Excess of Air over Evap.	Day. / Hour.
Midnight	24·8	0·9	24·9	1·2	25·1	1·0	24·6	0·9	24·9	0·9	24·4	1·2	22·7	1·4	21.6	1·9	Midnight
1h	24·7	0·9	24.4	0·8	25·0	1·0	24·2	0·8	24·6	1·1	23·9	1·0	22·3	1·2	20·7	1·7	1h
2	24·6	0·8	24·8	1·1	24·8	0·8	23·9	0·7	24·8	1·1	23·7	1·1	22·0	1·3	20·0	1·6	2
3	24·3	0·6	24·9	1·1	24·6	0·7	24·3	0·8	24·2	1·7	23·2	1·0	21·6	1·5	19·7	1·6	3
4	24·7	0·8	25·0	1·1	24·7	0·8	24·5	0 9	24·7	1·4	23·1	1·0	20·8	1·6	19·1	1·3	4
5	24·7	0·8	24·7	1.1	24·4	1·0	24 2	0·9	24·3	1·3	23·2	1·1	19·7	1·5	19·1	1·1	5
6	24·8	0·8	25·1	1·2	24·2	1·0	24·2	0·9	24·6	1·3	23·3	1·1	19·3	1·3	19·2	1·2	6
7	25·1	0·9	25·0	1·0	24·6	1·1	24·7	1·0	24·7	1·1	24·9	1·9	20·1	1·3	20·4	1·3	7
8	26·2	1·2	26·7	2·0	26·3	1·6	25·7	0·7	25·5	1·5	26·2	2·3	24·1	2·2	24·1	2·1	8
9	28·1	3·1	27·9	3·6	27·9	3·0	26·0	1·6	27·3	2·9	27·3	4·1	26·1	3·4	26·5	4·3	9
10	28·7	3·7	28·5	3·8	28·3	3·2	28·0	3·3	28·0	3·4	28·3	4·4	26·3	3·4	27·3	4·9	10
11	29·5	4·4	29·1	4·2	29.0	3·9	28·0	3·4	28·3	3·5	28·6	4·6	27·3	4·3	28·1	5·3	11
Noon	29·6	4·3	29·2	4·2	28·6	3·6	28·6	3·6	28·6	3·7	29·0	5·5	28.2	4·3	28·8	5·0	Noon
13h	29·5	4·3	29·2	4·5	28·9	3·9	28·7	3·9	27·3	3·2	29·0	6·0	28·1	4·5	29·4	5·1	13h
14	30·0	5·0	29.3	4·6	28·4	3·1	28·4	3·6	28·1	3·5	29·1	6·1	27·4	4·4	29·1	4·5	14
15	29·6	4·3	29·1	4·1	28·1	2·9	28·2	3·5	28·7	4·1	29·0	6·3	27.3	3·5	29·5	4·8	15
16	29 2	4·1	28·3	3·9	28·5	3·5	28·1	3·3	28·3	3·8	28·6	5·4	26·3	2·7	29·3	5·1	16
17	28·2	3·6	27·9	3·7	28·0	3·0	27·6	3·3	27·9	3·4	27·6	4·6	25·8	3·0	27·9	4·6	17
18	27·5	2·7	26·8	2·9	26·8	2·3	26·8	2·7	25·2	2·2	29·1	3·7	24·7	2·5	27·8	3·8	18
19	26·1	1·4	26·1	2·1	25·9	1·7	25·9	1·9	24·6	2·0	24·6	2·4	23·8	2·0	25·1	3·0	19
20	25·6	1·4	25·6	1·7	24·9	1·0	25·2	1·6	24·3	1·7	24·0	1·8	23·1	1·8	24·3	2·1	20
21	25·3	1·2	25·3	1·3	24·9	1·0	25·0	1·4	24·4	1·3	23·6	1·6	23·0	2·0	23·8	1·8	21
22	25·0	1·0	25·2	1·0	24·9	1·0	24·9	1·6	24·7	1·1	23·3	1·4	22·3	1·9	23·3	1·5	22
23	25·0	1·1	25·0	0·9	24·6	1·0	24·9	1·4	24·7	1·1	23·1	1·3	22·0	2·0	22·9	1·7	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

MARCH 1936.

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

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during MARCH 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

MARCH 1936.

Hour.	1d. Dir.	1d. Vel.	2d. Dir.	2d. Vel.	3d. Dir.	3d. Vel.	4d. Dir.	4d. Vel.	5d. Dir.	5d. Vel.	6d. Dir.	6d. Vel.	7d. Dir.	7d. Vel.	8d. Dir.	8d. Vel.	9d. Dir.	9d. Vel.	10d. Dir.	10d. Vel.	11d. Dir.	11d. Vel.	12d. Dir.	12d. Vel.	13d. Dir.	13d. Vel.	14d. Dir.	14d. Vel.	15d. * Dir.	15d. * Vel.	16d. * Dir.	16d. * Vel.
Midnight	12	2·0	03	1·8	10	2·3	09	2·0	03	1·4	06	1·3	08	2·5	08	2·1	09	2·0	10	2·9	10	3·9	10	2·4	10	3·7	11	0·9	11	1·9	10	0·6
1h	11	2·0	07	1·2	10	2·3	09	2·3	09	2·3	06	1·1	08	1·4	08	1·7	09	1·9	10	2·5	10	2·8	09	2·4	11	2·3	11	1·3	11	1·1	13	0·9
2	11	2·0	07	1·1	10	2·5	07	2·3	03	2·0	06	1·1	08	1·8	08	1·8	09	2·1	10	2·8	10	3·1	10	2·9	09	2·5	11	1·2	11	1·2	14	1·6
3	11	2·2	09	1·1	10	2·4	07	1·1	d11	2·2	10	1·4	07	1·3	08	0·7	09	1·8	10	2·3	11	3·1	09	2·8	11	3·1	11	1·3	11	1·3	14	0·7
4	11	2·4	09	2·3	10	1·7	12	2·4	d26	1·4	10	2·1	07	1·2	08	1·0	09	1·3	09	3·2	11	3·2	10	3·6	11	2·9	11	1·1	11	0·6	13	0·6
5	11	2·4	09	2·1	10	1·3	08	2·1	32	1·6	10	2·1	07	1·1	08	0·7	09	1·6	10	3·9	11	3·2	10	2·6	11	3·1	11	1·2	11	0·8	13	1·2
6	10	2·2	09	1·8	10	2·1	08	2·6	d10	2·2	10	1·6	07	0·9	06	1·0	09	2·0	09	3·5	10	3·2	10	2·7	11	2·7	11	2·0	11	1·4	13	1·2
7	07	2·1	09	1·9	11	2·3	08	2·5	11	1·2	10	1·8	07	0·9	08	0·6	09	2·4	09	4·4	10	3·8	10	3·6	10	3·0	11	2·7	11	1·1	13	0·6
8	10	2·0	07	2·3	09	3·2	08	4·0	r01	1·3	08	2·7	07	2·5	08	0·8	09	2·1	09	5·4	10	4·4	09	3·6	10	3·4	10	2·4	13	1·4	13	0·8
9	07	1·1	05	3·1	09	3·9	08	4·6	06	2·0	08	3·6	06	3·4	09	1·7	08	3·0	09	6·7	09	5·0	09	5·9	10	4·8	09	3·5	13	3·4	13	0·7
10	07	1·5	06	4·2	07	4·2	08	4·9	10	1·5	06	4·1	06	3·7	09	2·3	10	3·2	08	6·4	09	5·3	09	5·6	09	5·0	08	3·7	12	2·5	10	1·8
11	07	1·3	07	3·4	08	3·7	07	4·2	06	2·4	05	3·9	07	4·3	03	3·1	10	3·6	09	6·9	09	5·6	09	5·7	09	5·3	09	5·2	11	2·4	10	1·4
Noon	04	2·4	06	3·6	09	4·0	07	4·4	07	3·7	05	3·3	05	4·5	07	2·5	08	3·6	09	6·1	10	5·9	08	4·8	08	4·6	09	4·4	11	3·7	d21	3·1
13h	06	3·4	09	4·0	05	4·5	07	4·2	08	4·3	05	3·4	06	4·4	07	3·1	10	3·3	08	5·9	09	6·0	08	5·4	06	5·0	09	4·4	10	3·1	22	3·0
14	03	2·5	06	3·9	09	4·7	04	4·2	05	4·2	05	3·9	08	4·3	07	3·3	08	3·3	10	5·5	09	5·4	09	5·3	09	4·1	10	4·4	10	3·6	27	2·2
15	04	3·1	07	3·8	07	4·1	05	4·2	06	4·5	06	3·5	06	4·2	08	3·5	08	3·6	09	5·7	10	5·0	09	6·1	08	4·7	10	5·0	d20	2·0	22	2·3
16	04	2·6	08	3·6	09	4·2	07	4·4	06	3·8	06	3·6	07	3·6	06	3·5	09	3·4	10	5·1	09	4·9	09	5·2	09	4·1	11	3·7	18	1·8	d30	1·8
17	10	0·9	08	3·1	10	3·6	05	3·9	06	3·6	06	2·3	07	3·1	09	3·1	09	3·6	09	4·9	11	4·6	09	4·2	11	4·2	11	4·7	12	2·3	29	1·1
18	10	1·1	09	2·9	08	3·3	05	2·9	06	2·5	07	1·8	07	2·4	09	2·5	10	2·8	11	3·9	11	3·9	09	5·5	11	4·4	10	3·2	12	2·2	04	0·9
19	10	2·1	09	2·1	08	2·3	09	1·4	06	1·5	08	2·2	08	2·0	09	1·8	10	2·3	11	3·2	10	3·0	10	2·8	12	1·6	11	2·0	12	2·3	d14	1·4
20	10	1·9	09	1·8	08	2·2	06	1·3	06	1·3	08	2·6	08	1·8	09	1·2	10	1·6	10	3·7	09	3·5	10	2·3	12	1·5	11	1·8	13	2·9	14	0·7
21	10	2·6	09	2·0	08	2·0	06	1·4	06	1·3	08	1·7	08	1·8	09	2·0	10	1·5	10	3·1	10	3·6	10	2·1	12	1·6	11	2·1	13	2·1	14	0·6
22	10	1·6	10	2·2	08	2·1	06	1·7	06	1·3	08	2·1	08	2·6	09	1·8	10	2·1	09	3·6	11	2·8	10	1·4	12	1·4	11	2·0	10	0·7	14	1·5
23	08	1·5	10	2·7	08	2·3	03	0·9	06	1·4	08	2·6	08	2·2	09	2·2	10	2·0	10	3·8	09	2·9	10	2·1	11	1·2	11	1·3	09	0·7	14	0·7

Hour.	17d. * Dir.	17d. * Vel.	18d. Dir.	18d. Vel.	19d. Dir.	19d. Vel.	20d. Dir.	20d. Vel.	21d. Dir.	21d. Vel.	22d. * Dir.	22d. * Vel.	23d. * Dir.	23d. * Vel.	24d. * Dir.	24d. * Vel.	25d. * Dir.	25d. * Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. Dir.	28d. Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	31d. * Dir.	31d. * Vel.	Mean Velocity
Midnight	14	0·6	13	2·3	11	3·3	12	1·4	11	4·6	17	1·6	14	1·2	10	1·8	08	1·3	10	1·9	12	1·8	10	3·8	11	3·1	11	2·6	11	1·1	2·1
1h	14	1·3	13	3·0	11	2·9	12	1·1	12	3·7	13	3·8	16	2·0	11	1·7	08	1·8	10	1·3	12	2·8	11	4·2	09	3·1	11	2·2	11	0·7	2·1
2	11	1·8	10	3·8	12	3·0	13	2·1	12	4·8	17	2·8	14	1·1	12	1·9	08	1·5	10	1·3	09	3·3	10	3·8	11	3·2	11	2·4	11	1·0	2·2
3	11	1·2	10	3·1	11	3·3	13	2·0	12	4·5	18	2·9	14	1·3	12	1·1	08	1·3	11	1·4	10	3·8	09	2·8	10	3·1	12	2·0	11	1·1	2·1
4	11	1·8	11	3·0	11	3·7	11	1·7	12	5·3	15	3·2	14	0·8	12	1·8	08	1·2	11	2·7	10	3·8	11	3·2	10	3·0	12	1·8	11	1·4	2·2
5	17	0·9	12	2·2	13	2·9	13	2·6	12	4·7	13	4·0	14	1·0	12	1·3	11	1·3	11	2·3	10	4·1	10	2·9	10	3·5	12	1·4	11	1·4	2·2
6	14	1·8	14	2·9	12	3·4	13	3·6	12	3·6	15	2·5	14	0·6	12	1·2	11	1·1	10	2·9	10	4·5	10	3·7	09	3·2	12	0·7	11	1·1	2·3
7	13	1·5	11	4·0	12	3·6	12	4·8	12	3·0	12	3·3	14	1·0	12	0·7	11	1·1	10	3·2	10	4·9	11	3·9	11	2·9	12	0·6	11	1·2	2·4
8	13	2·6	11	4·8	12	4·3	12	4·4	12	6·5	12	4·8	11	2·1	12	0·6	11	0·7	10	2·5	09	5·0	11	4·1	09	3·0	11	1·8	11	1·7	2·9
9	12	4·4	11	4·5	11	5·5	12	5·8	12	5·8	12	5·7	12	2·3	12	0·6	11	0·6	11	2·9	08	4·9	10	5·3	11	4·4	11	4·3	11	2·6	3·7
10	11	4·2	12	5·2	12	5·5	14	5·4	10	7·1	12	5·3	11	2·2	05	0·7	d27	0·9	10	2·7	09	5·1	10	4·3	09	5·2	09	4·3	08	2·1	3·9
11	10	4·3	11	5·4	12	6·0	13	5·0	12	7·3	12	5·1	d23	2·2	r24	2·2	02	1·0	06	4·1	08	5·6	11	4·5	11	4·7	11	4·3	07	2·4	4·1
Noon	12	5·1	12	6·2	11	6·3	15	5·6	12	6·9	11	5·9	26	2·2	28	3·4	d21	1·8	06	3·4	09	5·4	11	4·4	10	4·4	10	4·0	09	2·4	4·3
13h	09	4·6	12	6·5	12	6·4	14	4·9	12	7·8	11	5·5	20	1·9	27	2·8	27	2·2	08	3·8	08	4·5	09	3·9	10	4·6	11	4·0	10	2·0	4·3
14	10	5·6	12	6·5	12	6·7	10	5·9	12	9·4	11	5·2	25	1·8	26	2·5	01	1·1	08	4·1	09	5·1	11	4·6	10	4·7	10	4·5	d22	4·2	4·4
15	11	5·5	09	5·7	14	6·0	13	5·6	12	8·6	11	5·6	d07	1·8	d02	1·5	07	1·8	07	3·2	08	4·3	09	4·0	11	4·8	10	5·2	22	1·9	4·2
16	11	5·1	12	5·4	12	6·4	10	4·2	13	7·8	12	4·0	14	2·1	09	1·8	07	1·8	08	3·0	09	5·2	10	4·6	09	4·0	09	4·8	r12	1·3	3·9
17	11	4·3	11	4·5	12	5·4	11	3·3	12	6·3	12	4·1	14	2·0	08	1·0	12	2·1	08	2·2	10	4·8	10	3·9	11	3·8	09	4·4	11	1·8	3·5
18	11	4·3	11	3·4	12	5·4	11	3·2	12	5·4	11	2·8	12	1·5	08	1·6	11	1·8	09	1·5	09	4·4	11	3·6	12	2·9	11	3·3	11	1·5	3·0
19	11	3·9	12	2·8	12	4·5	12	2·9	12	5·6	13	1·9	10	1·5	08	1·5	11	1·5	09	1·1	11	4·4	11	3·4	12	2·3	11	3·7	11	1·3	2·5
20	12	4·0	14	2·9	12	4·2	13	3·1	12	5·3	13	1·9	10	1·7	10	2·1	10	1·2	09	1·0	10	4·6	11	2·6	12	3·1	11	2·7	11	1·6	2·4
21	12	4·1	11	2·3	12	3·8	12	3·1	12	5·2	13	1·1	10	1·8	10	1·3	10	1·3	09	0·9	11	4·5	11	2·9	11	2·8	11	2·6	12	1·8	2·3
22	11	4·4	10	3·2	12	1·9	11	4·5	13	3·7	11	1·3	10	1·8	10	1·6	10	1·9	09	0·8	11	4·7	11	2·7	11	2·3	11	2·0	12	1·6	2·2
23	12	3·7	10	3·3	12	0·6	11	4·5	16	2·4	14	1·5	10	1·4	12	1·8	10	1·8	09	1·0	11	4·6	11	3·1	11	2·7	11	1·8	12	1·8	2·1

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), MARCH, 1936.

Force (0–12)				Direction																
Hour	8 or above	4 to 7	0 to 3	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W	W.S.W.	W.	W.N.W.	N.W.	N.N.W
3	...	..	31	...	...	...	...	8	6	14	2	...	1	...	...	...	..	...	...
9	...	6	25	...	...	1	2	11	2	15	..	.	...	...	...	...	...	...	...
15	...	8	23	...	1	2	3	13	3	5	1	...	...	1	2	...	...	...	...
21	...	...	31	...	...	...	2	6	8	14	1	...	...	...	...	...	...	...	...
Totals	...			...	1	3	7	38	19	48	4	...	1	1	2		...	...	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MARCH, 1936.

Day. / Hour.	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
	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	mm	mm
1h	...	3·4	...	0.2	..	...	...	...	...	0·1	...	0.6	...	...	..	...	...	...	...	...	0·3	...	...	..	...	...	0·6	..	...	...	..
2	...	...	...	...	7·6	...	...	...	...	0·1	...	2·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...
3	...	...	...	...	15·0	..	...	...	...	...	..	1·4	...	...	...	...	...	...	..	...	1·6	...	...	..	...	...	0·3	...	...	...	...
4	...	...	...	4·2	10·0	...	...	...	...	...	0·4	1.8	...	...	...	...	...	...	...	...	...	..	...	...	...	..	0.5	0·3	...	...	...
5	...	...	...	15·4	20·0	...	...	..	...	...	...	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...
6	...	...	...	...	...	...	...	1 6	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...
7	...	...	...	...	...	...	...	1·2	...	...	...	...	...	..	...	...	..	..	...	...	..	...	...	...	...	...	2·3	...	...	.	...
8	5.0	.	...	...	0·3	...	...	...	...	...	...	...	6·0	...	...	0·1	..	...	..	...	...	...	...	...	...	0·1	1·5	...	..	...	...
9	...	...	..	...	0·5	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	.	...	...	...	...	0 1	0·5	...	...	..	...
10	0·9	...	0·2	...	0·6	...	...	0·6	...	...	...	...	...	...	...	...	...	...	..	...	...	..	...	...	...	0.2	...	...	...	...	...
11	1·1	...	...	...	0·4	..	...	0·2	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	0·7	...	...	...	...	...
Noon	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...
13h	...	...	...	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·2	...	0·1	...
14	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
15	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	1·2	...	...	...	...	...	...	...	...
16	...	...	..	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	0.7	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	..	...	0·1	...	...	...	...	0·3	...	...	0.3	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0·1	..	...	0·8	...	0.9	..	...	...	..	...	...	..	0·1	...	...	...
19	...	...	1·0	...	.	...	..	...	...	...	...	...	...	..	...	..	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	..	...	...	...	0·6	..	...	...	...	...	...	0·2	..	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	0.2	...	...	...	...	...	...	..	0·4	...	...	...	...	...	...	0·9	...	..	...	...	...	...	...	...	...	...	...	...	...
22	...	...	..	...	...	...	...	..	...	2·0	1·0	..	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	..
23	0·2	...	...	2·0	...	...	...	...	...	...	1·0	...	..	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	..	...	...
24	1·4	...	0.2	0·4	...	...	...	...	...	...	...	..	..		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR MARCH, 1936.

Day. / Hour.	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
	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	mm	mm
1h	...	...	...	0·3	...	...	...	...	...	...	0·1	0·5	0·4	...	...	...	...	0·1	...	...	1·5	...	..	0·7	...	...	0·1	...	...	..	...
2	...	...	...	...	...	...	...	...	...	...	...	2·2	...	...	...	...	...	...	...	...	1·7	...	...	...	..	...	1·8	0·2	...	..	...
3	...	...	...	1·8	1·5	...	...	...	...	...	0·2	1.6	0·4	...	...	...	...	0·2	...	...	1·3	0·2	...	...	...	...	0·2	...	..	...	...
4	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	0·2	...	...	7·4	0·7	...	...	...	...	0·1	...	...	...	...
5	..	...	...	6·4	7·7	...	...	0·8	...	...	...	0.2	...	...	..	...	...	0·3	...	...	2·0	0·2	...	...	...	...	0·1	...	...	...	...
6	...	...	...	0·8	1·6	...	...	...	..	...	0·5	2·6	...	...	...	...	0·1	0·4	...	0·3	1·2	0·1	0·6	...	...	...	0.2	...	...	0·3	...
7	.	...	...	0·3	...	..	...	0·6	...	0·1	...	2·3	...	...	...	...	0·7	0·3	...	0·1	1·3	...	0·1	...	...	...	0·4	...	...	...	...
8	0·2	...	...	..	..	...	...	...	...	..	...	2·4	0·3	...	...	...	...	1·1	...	...	1·8	0·2	0·2	...	...	...	0·7	...	0·5	...	...
9	...	...	...	...	12 5	...	...	...	...	...	...	...	1·2	...	...	..	0·3	0·6	...	...	1·2	0·3	...	...	...	...	0·2	...	...	0.1	...
10	...	...	...	0·3	0·8	...	...	0·9	..	...	...	...	...	...	...	...	...	0·2	...	...	1·2	...	...	...	...	...	...	...	...	...	...
11	1·1	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	0·2	...	..	3·2	...	...	...	...	0·5	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	..	...	0·3	...	...	0·4	...	...	...	...	0·3	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	0.2	...	...	..	...	3·5	...	0·2	...	...	...	...	...	...	...	..	...	...	..
14	1·4	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	..	0·1	..	0·1	...	...	0·9	...	...	..	0·3	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	0·7	...	..	...	..	..	1·2	...	...	0·3	0 2	...	...	...	...
16	9·2	...	...	...	..	...	...	...	...	...	0·5	0·1	...	...	...	...	0·5	...	...	0·2	0·8	...	...	...	.	...	0·5	...	...	...	...
17	0·7	...	...	...	...	...	...	...	...	..	...	...	...	...	..	...	0·1	...	...	1·2	...	...	...	...	...	...	0·4	...	...	0·2	...
18	1·3	...	...	...	...	.	...	.	...	..	...	...	...	...	...	...	0·4	0·1	...	0·7	0·2	...	...	..	3·3	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	0·4	0.2	...	0·5	1·3	...	.	...	0·1	...	.	...	...	...	...
20	...	. .	...	..	...	...	...	...	...	...	0·4	...	...	...	...	..	0·8	2·6	...	1·3	0·6	...	...	...	..	...	...	...	..	...	...
21	...	...	...	...	...	...	...	...	...	0·2	0·5	...	...	...	...	...	0·3	0·3	...	1·6	0·5	...	...	...	.	...	...	...	...	...	...
22	...	...	...	...	...	...		...	. .	0·4	...	...	...	...	...	...	0·4	0·2	..	4·4	1·2	...	...	...	...	..	...	..	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	0·6	0·1	0·1	...	...	..	...	...	2·4	1·4	...	...	...	...	0·6	...	...	...	...	...
24	..	...	...	0·7	...	...	...	...	...	...	1·6	..	0·1	...	...	0·3	...	...	...	1·6	1·1	...	...	...	...	0·9	...	0·2	...	...	...

TABLE XV—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF MARCH 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	2·87	72·9	6·30	8
	St. Antoine	50	4·39	111·5	7·78	12
	Belmont	50	5·57	141·5	8·44	14
	Poudre d'Or	20	8·75	222·3	7·69	14
	Mon Loisir S. E.	300	7·48	190·0	8·39	13
	Forbach	300	4·89	124·2	6·63	12
*	Couroupa...	...	5.77	146·6	7·32	14
*	Labourdonnais	290	4·35	110·5	9·58	11
	Mapou (Water Office) ...	...	4·07	103·4	...	9
	Beau Séjour	300	7·22	183·4	11·43	16
	Mont Piton	650	4·60	116·8	10·47	17
	Mon Choix	700	4·03	102·4	9·64	16
	Antoinette	640	5·93	150·6	11·48	19
	Mon Songe	620	5·87	149·1	12.66	18
	Botanical Gardens... ...	325	5·43	137·9	9·88	20
*	The Observatory	179	5·18	131·6	8·59	21
	Solitude	175	9·50	241·3	6·96	10
	St. André (Cour)	90	4·94	125·5	7·71	6
	La Nicolière	...	7·61	193·3	14·79	21
	California	...	7·81	198·4	12·47	17
	Australia	...	6·76	171·7	...	15
2 & 3	Union Régnard S.E.(Flacq)...	600	8·98	228·1	11·97	26
	Constance d'Arifat L.G. ...	100	9·95	252·7	11·28	21
	Rich Fund	600	8·52	216·4	13·29	25
	La Joffrette	...	8·88	225·6	...	18
	Belle Vue (Allendy) ...	...	7·72	196·1	10·89	19
4	Sans Souci	900	16·03	407·2	19·68	23
	Beau Champ (G.R.S.E.) ..	20	5·23	132·8	9·20	19
	Olivia	400	9·01	228·9	12.81	24
	Trois Ilots	...	7·54	191·5	..	21
	Belle Rive	400	10·05	255·3	11·68	26
	Sébastopol	700	13·84	351·5	...	17
	Bonne Veine	400	11·43	290.3	17·53	24
5	Rose Belle	850	10·05	255·3	16·62	24
	New Grove	650	9·11	231·4	...	22
	Mon Trésor	...	7.12	170·8	...	19
	Mon Désert (Carié) ...	75	4·00	101·6	9·03	16
	Ferney	20	6·29	159·8	14·25	22
	Sauve Terre	...	4·47	113·5	...	15
6	Tivoli	1,300	13·75	349·3	18·54	29
	La Flora...	1,050	9·28	235.7	17·16	29
	Riche Bois (Brit.) ...	650	8·59	218·2	14·93	21
5	Britannia (Estate) ...	700	7.82	198·6	16·11	23
	Savannah (Mill) ...	200	6·36	161·5	12·24	19
	St. Aubin	300	6·23	158·2	11·19	19
	St. Avold	900	11·40	289·6	16·90	25
	Colmar	400	7·11	170·6	13·96	20
	Union S. E.	...	7.65	194·3	9·43	14
	Fontenelle	320	7·85	199·4	10·79	15
6	Choisy	200	5·91	150·1	9·75	16
	Beau Bois	...	10·68	271·3	15·57	23
	Bel Air	...	9·30	236.2	10·00	11
	St. Félix	...	10·03	254·8	...	9
7,8,9&10	Bel Ombre	40	4·59	116·6	9·65	11
	Beau Champ (B. du Cap)	70	4·89	124·2	11·35	11
	Frédérica	...	5·95	151·1	11·73	13
	Pierre Fond	...	2·86	72·6	9·03	16
	Ste. Marie	...	4·87	123·7	...	12
	Hussonia Limited .	...	0·90	22·9	...	2
11	Curepipe Gardens ...	1,840	12·15	308·6	18·02	26
	Mare aux Vacoas (G.E.)	1,850	13·15	334·0	18·24	25
	Mare aux Vacoas (Arn.)	1,830	16·42	417·1	20·79	25
	La Marie Filter Bed ..	1,700	8·59	218·2	16·35	22
*	Sophie	...	12.81	325·4	...	24
	Réunion	1,420	6·09	154·7	14·00	23
*	Aerological Station . .	1,393	6·03	153·1	12·15	22
	Phœnix	...	5·10	129·5	14·71	14
	Quatre Bornes... ...	...	3·34	84·8	...	16
12	Quatre Bornes (Board) ...	1,090	4·42	112.3	...	14
*	Le Réduit (D. of A.) ...	1,000	4·62	117·4	10·00	30
	Alma...	1,460	10·22	259·6	19·00	20
	Bagatelle	1,250	8·62	218·9	14·04	18
	Highlands	1,300	7·03	178·6	12·08	21
	Trianon	950	5·16	131·1	11·37	15
	Val Ory	1,100	4·82	122·4	11·40	16
	Bassin	...	3·26	82·8	8·80	10
	Hermitage	1,450	11·90	302·3	17·01	21
	Ebene	...	4·51	114·6	...	16
	Bega...	...	3·60	91·4	...	14
	Mon Rêve	...	6·33	160·8	...	15
	Mont Pevril	...	5·58	141·7	...	14
	Minissy	1,150	5·75	146·1	12·25	16
	Plaisance	...	3·81	96·8	...	13
	La Ferme	350	1·38	35·1	12·25	11

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TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of MARCH 1936.

Day \ Type.	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	9	75	10·4*	70	12·7*	...	...	...	...	...	..	...	...	15	...	...	90	6·0	...	...	...	...	...	...	...	...
3	11¼	...	...	...	...	...	...	...	...	330	3·1*	...	...	15¼	75	19·0	...	...	...	...	330	...	...	...	300	...
4	9¾	60	20·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	15¼	...	...	45	15·2	...	...	...	...	300*	...	270	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	60	10·0	45	14·9	...	...	...	...	210	...	53	6·0*
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
9	11¾	...	...	.	...	...	...	...	...	...	...	300	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	11	90	27·7	90	24·8	..	...	...	...	...	...	210	...	...	...	...	..	...	...	...	165	...	...	...	...	...
11	11	120	21·3*	120	16·8*	...	...	...	...	...	...	...	...	15¼	...	...	90	9·9	...	...	..	...	...	...	...	...
12	12	90	21·1	...	...	...	...	...	...	...	...	210	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	11¼	90	9·3*	130	9·3*	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	9¾	...	...	...	...	...	...	...	...	..	...	270	4·1	...	...	...	...	...	...	...	...	...	...	...	..	...
17	11¼	120	8·4*	120	8·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
18	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	...	...	...	...	...	...	...	...	...	...	270	2·3
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..
22	9½	...	...	...	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	..	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	15¼	...	...	30	14·5	...	...	300	...	...	...	270	2·9
27	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
28	...	...	...	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	—	...	...	...
29	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	15½	...	...	120	24·2	...	...	...	...	...	...	300	...
31	11½	210*	...	215	3·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec.

* Observatory Pamplemousses.

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NEW SERIES (MONTHLY) VOL. XXII. PART 4. PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

APRIL, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1937

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF APRIL 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HRH : 10000	ZRZ : 10000
APRIL	° ′			′				
1	13°08·3	.22518	.29704	7·0	113	32	254	95
2	08·8	508	707	6·3	58	24	130	71
3	08·7	520	703	6·8	103	32	232	95
4	08·5	495	708	4·5	54	23	121	68
5	08·8	509	704	7·5	51	22	115	65
6	08·5	515	702	8·5	40	27	90	80
7	08·7	502	695	12·3	125	52	281	154
8	07·9	507	700	10·5	44	41	99	122
9	08·3	514	701	8·3	24	27	54	80
10	08·3	518	698	9·5	30	32	68	95
11	08·5	516	701	9·7	33	23	74	68
12	08·7	516	697	11·3	72	33	162	98
13	08·9	506	698	8·5	38	30	85	89
14	08·8	511	695	9·0	49	30	110	89
15	09·2	489	696	11·7	70	31	157	92
16	08·1	500	698	5·7	33	25	74	74
17	08·6	501	696	7·6	33	25	74	74
18	09·3	478	702	6·0	72	13	162	39
19	08·3	476	697	7·0	66	20	148	59
20	09·2	468	699	6·0	75	19	169	56
21	08·8	461	700	6·5	85	24	191	71
22	08·8	462	699	4·5	86	26	193	77
23	08·2	472	698	8·5	61	27	137	80
24	09·8	482	699	6·5	52	27	117	80
25	09·0	487	696	10·0	34	28	76	83
26	09·8	493	694	10·2	35	29	79	86
27	09·8	502	694	8·0	27	21	60	62
28	09·6	496	698	8·0	40	19	90	56
29	10·0	498	691	6·6	32	29	72	86
30	10·3	502	689	10·2	22	28	49	83
Mean	13°08·88	·22497	·29699	8·09	55·2	27·3	124·1	80·9

Description of the Principal Magnetic Disturbances.

Declination.—1d. to 4d. Very slightly disturbed at times.
13d. Very slightly disturbed at times.
Slightly disturbed trace at times on 18d., 19d., 20d. and 21d. Frequently disturbed on 22d. Slightly disturbed on 23d. Sharp oscillations of (5′) at 18d. 4^h; 19d. 21^h; 22d. 2^h30^m.

Horizontal Force.—1d. to 4d. Slightly disturbed. Rapid fluctuations of some importance on 1d. 21^h to 23^h (25γ) on 3d. 1^h to 3^h (25γ) and on 4d. during the first hours (30γ to 35γ)
12d., 13d. and 15d. Slightly disturbed.
15d. Disturbed at end. Sharp Positive wave (30γ) centred at 16d. 0^h.
18d. Gradual beginning of a very long moderately disturbed period ending on 24d. Oscillations of some importance on the disturbed trace at 18d. 23^h 45^m. (45γ); 19d. 20^h. 45^m. (30γ) 20d. 1^h 50^m (30γ).
21d.—Second half and 22d.—very disturbed. Rapid and important fluctuations during the early hours of 22d.
22d. 18^h rapid increase of (35γ). 23d.0^h, negative wave (30γ). 24d. 1^h positive wave (27γ).

Vertical Force.—1d. to 4d. Slightly disturbed. Minor pulsations at times. Rapid decrease (10γ) between 0^h20^m and 1^h00^m. Minor pulsations at times on 12d, 13d., 14d. and 15d., a very slightly disturbed period.
Moderately disturbed trace 18d. to 24d. Pulsations of minor importance, (not exceeding 10γ), at times.

T=·37258 : Mean Dip=52° 51′·04 : (X=·21907 : Y=−·05117 : Z=·29699).

† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of APRIL 1936.

Declination (West) Day and Hour	Declination (West) Observed Value	Horizontal Force Day and Hour	Horizontal Force Observed Value	Dip (South) Day and Hour	Dip (South) Observed Value	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
17·12.46	13·06·3	2· 9·14	·22508	17.12.33	52.48.75	·29683
21·13·59	13·06·6	6· 9·15	·22511	21·13·48	52·52·57	·29693
24·10·55	13·13·9	9· 9·22	·22510	24·10·07	52·50·81	·29705
28·11·19	13·11·0	17 8·53	·22510	28 10·51	52·50·82	·29702
		20 9·16	·22470			
		23· 9·21	·22475			
		25· 9·28	·22480			

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

APRIL 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	09·0	09·3	08·5	10·5	08·7	08·5	08·2	08·0	08·7	08·3	08·5	08·5	09·5	09·5	10·2	10·0	Midnight
1h	09·3	09·5	09·3	09·5	09·0	09·0	08·5	08·3	08·5	08·5	08·5	08·5	09·5	10·0	10·0	08·0	1h
2	09·0	09·0	09·5	10·0	09·3	09·0	08·7	08·5	09·0	08·7	08·7	08·7	10·0	09·3	10·0	08·0	2
3	09·0	09·0	09·5	10·0	09·8	09·5	09·0	08·7	09·5	09·0	09·0	09·0	07·5	09·0	09·8	08·0	3
4	09·0	09·0	09·3	08·5	10·0	09·7	09·2	08·8	09·5	09·0	09·3	09·0	08·3	09·2	09·5	07·5	4
5	09·2	09·0	09·0	09·7	10·0	09·7	09·5	09·0	09·7	09·3	09·7	09·5	08·7	09·5	09·5	06·0	5
6	09·5	08·0	09·0	09·2	10·0	09·5	09·5	09·2	10·0	09·8	09·0	09·0	08·5	08·7	09·0	06·5	6
7	09·5	08·5	09·3	08·3	11·0	10·5	11·0	10·0	09·8	10·0	09·5	08·7	08·5	08·7	08·5	06·7	7
8	10·5	10·5	11·0	09·0	12·7	12·0	13·5	11·8	11·0	12·0	11·7	11·0	10·7	09·0	10·5	09·0	8
9	12·0	13·0	12·5	10·0	13·0	13·0	15·3	13·0	11·5	13·5	14·0	13·5	11·7	12·5	14·5	11·0	9
10	11·5	12·5	12·3	10·0	12·0	12·0	14·5	12·0	11·8	13·0	14·0	14·3	13·0	13·0	15·7	11·5	10
11	10·0	12·0	12·0	09·2	10·0	10·0	11·0	10·0	10·5	10·0	11·5	12·5	12·0	12·5	13·0	10·0	11
Noon	08·0	10·0	08·0	08·5	07·3	07·3	08·0	06·0	07·0	05·5	07·0	09·0	08·5	09·5	07·5	07·5	Noon
13h	06·7	08·0	06·0	07·0	05·5	05·0	04·5	03·0	05·7	04·0	04·5	06·0	06·5	06·0	04·0	06·3	13h
14	06·0	07·7	05·7	06·3	05·5	04·5	03·0	03·0	03·5	04·0	04·3	04·0	04·5	04·0	04·5	06·5	14
15	05·0	07·5	06·2	06·0	06·0	04·7	04·0	02·5	04·0	04·5	04·5	03·0	04·7	04·0	05·0	06·7	15
16	05·5	06·7	07·0	06·5	06·7	06·0	05·0	04·2	04·5	05·5	06·3	04·0	05·0	05·5	06·3	07·0	16
17	06·0	07·0	06·7	07·3	07·5	06·7	07·5	06·0	06·0	06·5	06·7	06·5	07·0	06·5	07·0	07·3	17
18	06·5	07·0	07·0	07·5	07·8	07·5	08·0	07·5	07·5	07·0	07·3	07·3	08·3	08·0	08·5	07·8	18
19	06·5	07·2	07·5	07·8	07·9	07·8	07·5	07·7	07·7	07·5	07·5	08·0	09·0	08·3	08·3	08·0	19
20	06·0	07·5	07·0	08·0	08·0	07·8	08·0	08·0	08·0	08·0	08·0	08·5	09·5	09·0	09·0	08·5	20
21	07·5	08·0	07·5	08·1	08·0	08·0	08·2	08·0	08·2	08·5	08·2	09·0	12·0	09·5	10·3	09·0	21
22	09·5	08·0	08·5	08·0	08·0	08·0	08·3	08·3	08·3	08·5	08·5	10·0	09·7	09·8	10·0	09·0	22
23	08·5	08·3	09·5	08·2	08·2	08·2	08·3	08·0	08·5	08·	08·5	09·7	10·0	10·0	10·0	09·0	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	09·0	09·5	09·0	09·5	10·0	09·3	09·5	10·0	09·0	09·5	09·5	09·7	10·0	10·0	...	09·2	Midnight
1h	08·7	11·0	10·0	10·0	11·0	10·5	09·5	08·0	08·7	09·3	09·5	09·7	09·0	10·0	...	09·3	1h
2	08·5	10·5	10·0	10·0	08·5	09·0	08·7	09·5	08·5	09·0	09·5	09·5	09·5	10·0	...	09·2	2
3	08·5	10·5	09·5	09·0	08·7	06·5	08·0	09·0	08·5	09·5	09·7	09·5	10·0	10·0	...	09·1	3
4	08·5	06·0	07·0	06·5	09·0	08·0	07·0	09·5	06·0	09·7	09·7	09·7	10·0	10·0	...	08·7	4
5	07·0	07·0	08·0	10·0	08·0	10·0	08·5	09·3	08·0	09·5	09·5	10·0	10·2	10·0	...	09·1	5
6	08·4	07·3	08·0	08·0	08·0	09·0	08·5	09·3	08·7	10·0	09·5	10·0	10·5	09·8	...	09·0	6
7	08·5	07·0	07·3	07·0	08·5	08·0	09·5	09·3	09·0	10·5	09·7	10·5	10·0	10·0	...	09·1	7
8	11·0	08·0	07·0	10·5	09·5	08·0	10·0	11·0	11·0	12·0	11·0	12·0	10·7	13·0	...	10·7	8
9	13·5	12·0	10·0	11·0	10·5	10·0	11·5	13·5	13·0	15·0	13·0	12·7	12·5	16·0	...	12·6	9
10	13·5	12·0	08·0	12·5	10·3	10·0	09·0	13·5	14·0	15·5	13·7	13·5	13·3	16·5	...	12·6	10
11	10·7	10·5	06·5	12·0	08·0	08·5	07·0	13·0	12·0	13·0	13·0	11·0	13·0	14·0	...	10·9	11
Noon	07·0	09·0	06·5	09·5	06·5	06·5	04·5	11·5	06·0	10·0	10·5	09·5	13·0	11·0	...	08·3	Noon
13h	06·0	10·0	06·0	08·5	05·5	07·0	03·5	10·5	07·5	08·0	09·7	08·7	09·5	09·0	...	06·6	13h
14	06·0	10·5	06·0	08·0	07·0	07·0	04·0	09·5	06·5	06·0	06·5	07·0	09·0	09·3	...	06·0	14
15	05·9	10·0	06·5	06·7	07·0	07·0	03·0	08·0	04·0	05·3	05·7	05·5	07·0	08·0	...	05·6	15
16	06·0	09·0	06·7	06·5	07·0	07·0	05·0	07·0	05·0	06·8	06·0	05·7	06·7	06·3	...	06·1	16
17	07·0	08·7	07·0	08·0	08·0	08·5	08·0	08·0	07·7	07·5	07·5	07·0	08·0	07·0	...	07·2	17
18	08·0	08·0	08·7	08·5	08·5	11·0	09·5	09·0	08·5	09·5	09·5	08·7	09·0	09·0	...	08·2	18
19	08·0	08·5	08·5	08·0	09·5	10·0	11·0	08·5	09·5	09·7	09·7	09·5	09·3	09·5	...	08·5	19
20	08·5	08·7	10·0	09·5	09·7	10·0	10·5	09·5	10·0	10·0	10·0	09·5	09·7	09·5	...	08·8	20
21	09·0	10·0	13·0	10·0	10·0	11·0	10·0	09·8	10·3	10·3	10·5	10·0	10·0	09·5	...	09·4	21
22	08·7	10·5	10·0	11·0	10·0	10·0	10·5	09·7	10·5	10·0	10·7	10·0	10·0	09·5	...	09·4	22
23	09·7	10·5	09·5	10·5	12·0	10·5	10·7	09·5	10·0	10·0	10·5	10·3	10·0	09·7	...	09·5	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)

APRIL 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	501	474	511	457	501	498	510	506	504	513	513	516	494	492	493	497	Midnight
1h	505	485	509	489	503	501	514	509	507	514	512	514	496	497	477	497	1h
2	511	494	524	484	504	504	516	510	506	511	515	516	510	501	484	497	2
3	516	507	511	482	505	508	518	514	505	512	519	517	510	501	493	501	3
4	521	509	513	507	505	509	521	518	512	513	520	516	516	504	497	502	4
5	524	508	514	496	506	512	525	522	514	515	520	518	514	510	504	504	5
6	525	510	516	495	507	514	528	525	513	517	528	521	516	512	510	502	6
7	524	512	520	501	507	516	528	527	513	519	529	527	521	519	513	501	7
8	531	509	534	500	507	521	523	522	519	521	531	530	524	522	518	495	8
9	536	507	540	499	511	523	518	519	518	520	532	534	511	530	522	502	9
10	546	507	546	496	516	526	522	512	519	521	530	536	511	532	523	502	10
11	554	519	556	494	526	533	531	514	525	521	524	551	519	541	512	514	11
Noon	569	530	561	504	537	538	546	507	528	537	530	556	518	535	512	524	Noon
13h	568	532	567	511	544	535	553	509	525	539	523	546	517	532	495	517	13h
14	554	522	554	504	534	521	538	505	523	536	510	534	506	519	482	507	14
15	536	509	536	492	521	503	518	507	517	521	500	506	500	505	472	495	15
16	529	505	517	490	506	508	508	495	512	516	499	493	496	504	454	492	16
17	524	507	519	493	498	508	493	483	510	513	499	498	500	507	459	492	17
18	522	507	517	494	494	510	435	487	513	512	501	502	499	510	465	491	18
19	496	507	512	496	493	511	428	495	515	509	505	493	496	508	479	492	19
20	47[illegible]	502	504	497	495	510	437	495	513	510	510	492	491	506	462	492	20
21	457	504	489	497	495	510	440	495	512	511	510	466	486	504	462	491	21
22	456	511	481	497	496	515	441	493	511	511	512	484	494	492	468	491	22
23	461	508	464	499	497	511	448	502	510	511	519	486	490	492	472	493	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	...	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT)·																
Midnight	496	483	483	473	450	471	483	463	483	477	492	504	483	499	...	490·7	Midnight
1h	503	498	462	476	451	458	485	488	484	487	495	498	487	500	...	493·4	1h
2	501	486	463	493	479	488	488	475	487	494	497	500	495	502	...	497·8	2
3	502	484	483	480	476	501	483	483	490	492	497	501	490	504	...	499·7	3
4	503	193	494	498	473	473	486	482	503	492	500	506	493	504	...	502·8	4
5	506	503	494	486	473	463	485	485	501	492	501	508	497	507	...	503·6	5
6	508	503	493	474	471	453	488	488	492	493	505	508	498	507	...	504·0	6
7	508	503	496	486	474	460	480	488	492	495	509	511	499	510	...	506·3	7
8	516	502	493	483	478	455	483	493	492	499	509	506	503	515	...	507·9	8
9	515	500	493	483	488	468	470	494	494	501	507	503	510	510	...	508·6	9
10	511	490	493	485	488	493	473	485	495	496	508	498	515	509	...	509·5	10
11	513	491	500	485	493	488	495	508	502	502	512	504	514	509	...	515·0	11
Noon	518	486	504	484	489	494	478	515	503	512	517	514	510	510	...	518·9	Noon
13h	517	488	503	485	476	473	473	502	500	507	511	504	503	497	...	514·8	13h
14	505	462	484	484	476	463	475	488	501	493	505	503	494	497	...	506·6	14
15	500	471	466	478	473	453	471	473	492	484	497	494	490	495	...	495·8	15
16	495	463	460	456	433	436	463	463	472	482	490	485	488	493	...	486·8	16
17	491	463	448	429	413	427	468	468	469	484	492	482	495	494	...	484·2	17
18	492	463	453	423	408	415	464	470	470	489	495	486	496	497	...	482·7	18
19	490	455	445	433	423	438	434	472	473	490	497	486	495	498	...	482·1	19
20	485	441	445	452	445	443	441	469	477	493	500	485	497	498	...	481·9	20
21	488	440	438	438	443	446	453	470	474	493	498	474	497	498	...	480·3	21
22	492	431	463	433	443	463	454	472	475	492	505	475	498	499	...	481·6	22
23	486	443	468	446	448	458	461	474	480	492	502	477	499	501	...	483·3	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 1936

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	708	716	708	717	708	709	703	704	707	704	703	701	703	703	701	705	Midnight
1h	710	715	709	712	708	709	703	703	705	702	702	701	702	702	701	700	1h
2	710	713	709	713	707	708	703	703	705	702	701	701	701	701	701	699	2
3	709	712	709	713	707	707	703	702	705	701	701	701	700	701	701	699	3
4	709	711	709	712	709	707	702	702	704	701	701	701	700	700	700	699	4
5	709	712	709	712	709	707	703	702	704	701	701	701	700	699	699	698	5
6	709	711	709	711	710	708	704	703	704	701	700	700	699	698	699	697	6
7	708	713	710	711	712	710	707	708	704	703	703	701	700	699	697	699	7
8	709	718	711	713	712	713	712	712	710	710	711	709	707	702	702	706	8
9	707	719	711	716	711	712	711	716	711	711	712	710	709	706	705	712	9
10	701	712	705	716	705	704	701	712	711	706	709	701	711	703	700	706	10
11	694	709	692	708	692	695	684	691	706	690	701	689	700	696	687	699	11
Noon	689	701	686	703	690	689	669	679	699	680	690	677	700	687	676	691	Noon
13h	686	695	683	699	691	687	660	675	689	679	689	677	686	679	674	687	13h
14	686	696	686	694	693	686	663	679	684	682	692	679	681	676	677	689	14
15	691	698	690	695	696	689	671	685	686	687	696	681	681	680	683	690	15
16	696	697	695	701	700	695	683	691	690	690	699	689	685	683	692	691	16
17	701	699	699	703	705	700	692	699	695	693	699	692	690	690	696	692	17
18	703	701	700	705	706	702	699	702	699	697	700	696	695	692	698	696	18
19	705	702	701	708	707	703	701	702	700	699	701	700	697	693	698	697	19
20	709	705	703	709	707	704	703	704	701	701	703	701	699	696	699	697	20
21	714	706	706	710	709	706	703	706	703	702	704	701	700	697	703	699	21
22	718	707	710	710	709	703	705	709	704	703	703	704	706	699	703	699	22
23	715	709	715	710	709	703	705	709	704	703	703	705	702	700	701	700	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	...	Mean	Day. \ Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	699	699	701	699	703	701	702	703	702	700	699	697	700	695	...	703·3	Midnight
1h	699	700	702	699	703	703	700	699	701	700	697	696	699	695	...	702·6	1h
2	698	700	701	697	700	700	699	700	700	697	697	695	698	695	...	701·8	2
3	699	700	702	697	700	699	698	699	699	696	696	696	698	695	..	701·5	3
4	698	696	699	696	700	700	691	699	696	696	695	695	698	695	...	700·7	4
5	699	700	701	700	701	702	700	698	698	696	694	695	698	695	...	701·4	5
6	699	699	701	701	702	703	699	699	699	697	694	694	697	694	...	701·4	6
7	699	699	701	700	703	702	701	700	700	698	696	695	695	694	...	702·3	7
8	703	705	702	706	706	703	706	709	703	702	700	702	698	700	...	706·7	8
9	706	708	703	705	705	702	708	713	708	706	704	709	699	701	...	708·5	9
10	699	709	695	704	700	697	702	710	705	703	702	709	694	697	...	704·3	10
11	687	702	685	696	691	688	691	700	692	688	694	702	684	686	...	694·3	11
Noon	681	700	687	687	685	683	686	687	680	678	688	698	672	675	...	686·4	Noon
13h	681	703	686	687	688	686	686	687	681	677	686	695	671	673	...	684·1	13h
14	685	704	683	689	693	690	685	689	681	677	684	693	675	676	...	684·9	14
15	689	703	686	688	692	693	681	686	681	678	683	690	674	676	...	686·6	15
16	692	702	691	689	694	695	689	687	687	683	686	690	677	675	...	690·5	16
17	695	701	695	698	701	702	699	694	694	690	691	695	683	681	...	695·5	17
18	697	701	700	703	707	705	701	698	698	694	693	698	691	689	...	698·9	18
19	697	701	700	704	708	705	705	700	699	695	693	698	692	691	...	700·1	19
20	699	703	702	704	707	707	706	702	700	697	694	697	694	691	...	701·5	20
21	700	705	711	705	706	709	705	703	700	699	695	696	695	692	...	703·1	21
22	699	707	702	709	707	705	706	703	701	698	695	700	695	693	...	703·7	22
23	699	709	701	704	709	705	703	703	701	699	696	700	695	693	...	703·7	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of APRIL 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
APRIL	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	964·1	25·3	3·3	19·7	71	22·7	95	2·7	2	20·4	24·6	26·5	20·4	27·0	19·0	8·0	0·0	...	9.8	82
2	963·4	25·4	3·5	19·4	69	22·3	85	3·1	7	20·4	24·1	26·2	20·9	28.3	19·7	8·6	0.0	...	10·2	87
3	963·0	26·2	3·9	19·6	67	22·6	95	2·2	4	19·8	24·8	26·0	21·5	29.6	19·8	9.8	12.5	67	7·7	65
4	963·8	25·9	2·7	21·3	76	25·1	110	2·2	6	21·0	25·7	25·9	22·0	28·2	20·9	7·3	1·4	8	8·4	71
5	963·3	25·0	1·7	22·1	83	26·3	110	2·7	10	21·8	25·0	26·0	22·0	26·8	21·6	5·2	17·1	98	7.2	61
6	964·5	24·7	2·6	20·2	76	23.4	160	5·4	5	20·4	23·1	25·4	20 8	25·9	20·4	5·5	0 4	2	10·0	85
7	966·4	22·4	4·9	13·8	59	15·6	160	7·2	0	18·4	21·8	22·9	18·5	23·6	18·0	5·6	0·0	...	10·5	90
8	966·4	23·5	3·3	17·8	70	20·2	135	4·9	4	18·0	22·4	22·4	19·0	24·5	18·0	6·5	6·4	92	7·4	63
9	966·4	22·9	3·6	16·6	67	18·7	135	8·1	2	18·3	22·0	23·4	19·7	24·2	17·8	6·4	1·2	43	9·7	83
10	966 7	24·0	3·0	18·8	73	21·5	130	8·1	2	19·1	23·0	24·2	20·4	24·7	19·0	5·7	1·3	13	11·0	94
11	965·9	23·2	1·7	20·2	83	23·4	110	8·5	7	19·5	23·2	22·1	20·6	24·6	19·4	5·2	1·6	30	5·3	45
12	964·6	23·9	2·5	19·6	77	22·6	130	6·3	10	20·7	23·2	26·0	21·8	26·9	20·6	6·3	0.0	...	4·6	39
13	965·1	24·2	3·1	18·9	72	21·6	135	4·5	1	20·8	23·5	24·2	20·2	25·9	20·2	5·7	0·0	...	10.9	94
14	965·8	23·3	2·6	18·8	76	21·5	135	3·6	0	18·2	22·4	25.2	20·3	26·6	16·8	9·8	0·0	...	11·0	95
15	967·7	24·5	3·2	19·0	72	21·8	Calm		1	19·1	25·0	25·7	21·1	29·0	17·6	11·4	0·0	...	7·3	63
16	967·7	23·9	2·4	19·7	77	22·7	130	9·4	9	20·6	23·4	23·6	22·1	26·7	19·6	7·1	0·6	12	2·6	22
17	968·2	24·5	1·5	21·9	85	26·0	90	3·1	10	22·0	24·0	24·6	22·2	27·2	21·6	5·6	1·2	35	2·1	18
18	969·3	25·7	2·8	20·9	75	24·5	95	2·7	7	21·7	25·2	26·5	21·8	28·5	21·3	7·2	0·0	...	6·5	57
19	967·5	25·3	3·7	19·0	68	21·8	110	8·1	1	20·8	24·1	26·0	21·7	26·5	20·7	5·8	0·1	2	11·1	97
20	967·7	23·8	3·9	17·0	66	19·2	135	9·4	1	20·1	22·9	24·5	21·0	25·2	20·1	5·1	0·3	3	9·9	86
21	969·2	21·9	0·7	20·7	93	24·2	105	6·7	10	20·5	20·9	21·5	20·6	23·8	20·3	3·5	7·8	153	4·9	43
22	968·5	22·9	0·9	21·3	90	25·1	95	9·4	8	20·2	21·6	23·9	22·3	24·1	20·2	3·9	13·7	267	7·9	69
23	971·1	25·2	2·4	21·1	78	24·8	100	7·2	2	21·4	23·8	25·8	22·0	27·0	20·0	7·0	1.2	13	8·6	75
24	971·1	23·9	2·4	19·7	77	22·7	110	4·9	8	21·7	22·7	23·8	21·0	25·5	21·1	4·4	0·6	3	8·7	76
25	970·1	21·9	1·8	18·7	82	21·4	110	7·6	8	20·2	20·7	23·8	21·0	24·1	19·4	4·7	5·4	68	8·5	75
26	968·5	22·8	4·2	15·4	63	17·3	115	8·1	1	17·0	20·6	22·7	17·8	23·3	16·7	6·6	0·0	...	10·5	92
27	966·9	22·2	1·8	19·0	82	21·8	130	7·2	7	18·1	20·9	22·4	20·1	24·5	17·8	6·7	11·4	100	9·3	82
28	968·8	22·0	1·5	19·4	85	22·3	110	8·5	10	20·0	20·9	21·7	19·8	24·1	19·9	4·2	10·6	135	4·1	36
29	970·0	22·9	4·5	15·0	61	16·9	105	8·9	2	18·7	21·7	23·0	19·9	24·0	18·6	5·4	1·4	13	10·3	90
30	969·4	22·9	3·3	18·9	78	21·6	110	8·5	1	18·9	21·4	22·1	18·4	23·5	18·4	5·1	2·2	39	8·2	73
Mean	967·0	23·9	2·8	19·1	75·1	22·0	...	6·0	4·9	19·9	22·6	24·2	20·7	25·8	19·5	6·3	98·4	1196	8·14	70·2
Average	966·6	23·3	2·0	20·0	81·7	23·3	...	4·2	6·4	...	...	...	...	25·3	19·3	6·0	287·1	...	6·50	56·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	41·7mbs.	Amount of rain	—	72·1mms.
Temperature of the Air	+	3·0°C	Duration of sunshine	+	11·0hrs
Vapour Pressure	+	0·2mbs.	Mean of maximum temperatures	+	2·7°C
Relative Humidity	—	11·9%	,, minimum temperatures	+	1·8°C
Velocity of Wind	—	1·2mps.	Absolute maximum temperature	+	0·3°C
Amount of Cloud		0·0	,, minimum temperature	+	1·6°C
Greatest Rainfall intensity		12·7 mms. in 28 mins.			

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1936

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
APRIL	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mms.	min	mms.	
1	1004·0	− 2·4	28·9	20·6	8·3	24·4	− 0·8	2·7	19·8	− 1·7	76	− 4	22·9	17·0	0·0	...	5·2	1·9
2	1003·4	− 3·1	28·9	21·4	7·5	24·5	− 0·7	2·6	20·0	− 1·5	76	− 4	23·2	17·8	0·0	...	4·8	3·3
3	1003·3	− 3·2	29·2	20·4	8·8	24·4	− 0·7	2·1	20·8	− 0·6	80	0	24·3	17·0	8·3	28	5·3	3·6
4	1003·6	− 3·0	29·5	21·1	8·4	25·3	+ 0·2	2·1	21·7	+ 0·3	81	+ 1	25·7	17·0	0·3	7	4·7	4·3
5	1003·5	− 3·2	28·6	22·0	6·6	24·8	− 0·2	1·7	21·9	+ 0·6	84	+ 4	26·0	19·2	4·1	48	4·2	6·2
6	1005·1	− 1·7	29·1	22·6	6·5	25·2	+ 0·2	3·1	19·9	− 1·4	73	− 7	23·0	20·4	0·0	...	3·8	2·5
7	1007·3	+ 0·4	27·2	19·2	8·0	23·3	− 1·6	4·7	15·1	− 6·0	60	− 20	17·0	18·7	0·0	...	7·4	2·5
8	1008·0	+ 1·0	28·0	20·4	7·6	23·4	− 1·5	3·6	17·1	− 4·0	71	− 9	20·1	19·0	2·0	41	6·3	7·0
9	1008·2	+ 1·2	27·7	19·8	7·9	23·8	− 1·0	3·5	17·7	− 3·3	69	− 11	20·1	16·8	0·0	...	5·2	3·9
10	1007·4	+ 0·3	28·1	22·1	6·0	24·6	− 0·2	3·6	18·4	− 2·6	69	− 11	21·0	18·8	0·0	...	7·0	2·3
11	1006·1	− 1·1	28·1	20·0	8·1	24·2	− 0·5	2·6	19·7	− 1·2	75	− 5	22·7	16·0	0·0	...	6·7	4·2
12	1004·6	− 2·6	29·9	23·5	6·4	25·7	+ 1·0	3·5	19·7	− 1·2	69	− 11	22·7	20·5	0·0	...	5·5	7·4
13	1005·2	− 2·1	28·3	21·9	6·4	24·8	+ 0·2	3·2	19·3	− 1·5	72	− 8	22·2	20·0	0·0	...	4·9	3·0
14	1006·7	− 0·6	29·2	19·3	9·9	24·3	− 0·2	3·1	19·0	− 1·7	72	− 7	21·8	14·9	0·0	...	4·0	2·0
15	1008·6	+ 1·2	29·3	18·3	11·0	24·2	− 0·3	3·0	19·0	− 1·7	73	− 6	21·8	15·0	0·0	...	5·6	1·0
16	1008·7	+ 1·2	29·1	22·3	6·8	25·3	+ 0·9	2·9	20·4	− 0·2	74	− 5	23·7	19·1	0·0	...	6·2	5·8
17	1008·8	+ 1·2	29·2	23·0	6·2	25·7	+ 1·4	2·0	22·3	+ 1·8	82	+ 3	26·7	22·4	4·5	34	5·3	7·1
18	1009·8	+ 2·2	29·7	23·7	6·0	25·8	+ 1·5	2·2	22·1	+ 1·6	80	+ 1	26·3	22·0	0·4	18	5·0	4·0
19	1009·2	+ 1·5	29·4	21·1	8·3	25·2	+ 1·0	3·3	19·6	− 0·8	71	− 8	22·6	17·4	0·0	...	5·1	0·9
20	1009·2	+ 1·4	28·6	23·2	5·4	25·1	+ 0·9	3·7	18·8	− 1·6	68	− 11	21·5	21·3	0·0	...	7·3	1·8
21	1010·0	+ 2·2	27·9	23·0	4·9	24·2	+ 0·1	2·1	20·6	+ 0·3	80	+ 1	24·0	20·6	0·7	32	6·7	4·9
22	1010·9	+ 3·0	27·9	23·1	4·8	24·9	+ 0·8	2·0	21·5	+ 1·2	81	+ 2	25·4	21·8	1·7	49	3·5	6·6
23	1011·9	+ 3·9	28·8	22·9	5·9	25·3	+ 1·3	2·5	21·0	+ 0·8	77	− 2	24·6	21·4	0·9	18	5·0	3·8
24	1011·5	+ 3·4	28·9	21·5	7·4	24·9	+ 0·9	3·2	19·4	− 0·8	71	− 8	22·3	18·4	0·0	...	5·6	3·9
25	1010·4	+ 2·3	29·8	21·5	8·3	24·1	+ 0·2	3·5	18·1	− 2·0	69	− 10	20·6	20·4	0·5	12	5·8	3·5
26	1008·7	+ 0·5	27·0	20·1	6·9	23·0	− 0·8	4·1	15·9	− 4·1	64	− 15	17·9	15·7	0·0	...	7·0	2·7
27	1007·6	− 0·7	28·2	18·8	9·4	23·5	− 0·3	3·2	17·9	− 2·1	71	− 8	20·3	15·2	0·5	12	4·8	3·8
28	1009·9	+ 1·5	27·2	21·9	5·3	24·0	+ 0·3	3·0	18·8	− 1·1	73	− 6	21·5	20·0	1·7	30	4·6	6·8
29	1011·0	+ 2·5	27·1	21·3	5·8	23·8	+ 0·2	3·8	17·2	− 2·6	66	− 13	19·4	20·5	0·4	15	5·4	4·5
30	1010·1	+ 1·5	26·9	20·6	6·3	23·2	− 0·3	3·2	17·6	− 2·1	71	− 8	19·9	18·4	0·3	12	6·5	5·4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1007·8	+ 0·3	28·5	21·3	7·2	24·5	+ 0·1	3·0	19·3	− 1·3	73·3	− 6·1	22·4	18·8	Sum 26·3	Sum 356	5·4	4·0
Aver.	1007·5	...	27·6	21·1	6·5	24·4	...	2·2	20·6	...	79·4	...	24·1	...	126·4	1522	4·4	5·3
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF APRIL 1936.

Conditions continued to be unusually quiet and there was a complete absence of cyclonic activity. From the 1st—6th there were indications of a shallow "low" to the N.E. and E. of Rodrigues. For the remainder of the month the weather was mainly anticyclonic, pressure being above normal on 19 out of 24 days.

The departures in excess of the normal values for Sunshine and rainfall were again observed this month, as previously, but with accentuated importance. The percentage of possible sunshine was in excess of 18% while the deficit in rainfall amounted to 80% at the Observatory.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1936

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather
APRIL	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	9·3	78	2·3	− 0·9	25·5	26·8	28·0	27·8	b : bc : b .
2	8·1	69	1·9	− 1·3	25·6	26·9	28·0	27·7	b_e : b : bc .
3	6·9	58	1·7	− 1·5	25·5	27·2	28·0	27·7	b : bc : bcr_0 bc .
4	7·7	65	1·5	− 1·7	25·6	26·9	27·9	27·3	bc : b : bc .
5	5·6	47	1·5	− 1·7	25·6	26·9	27·9	27·7	b : c cgr_0 : bc .
6	10·7	91	4·1	+ 0·9	25·7	27·1	27·9	27·7	b : : bc : b .
7	10·4	89	4·1	+ 0·9	25·5	27·0	27·7	27·6	b_0 : bc .
8	8·5	73	3·7	+ 0·4	25·6	26·9	27·6	27·1	c : bc : bcq_0 : cr_0 .
9	10·3	88	4·5	+ 1·2	25·7	27·2	27·4	27·0	bc : b : bc : b .
10	10·9	93	4·5	+ 1·2	25·6	26·8	27·5	26·8	b : bc : b .
11	5·7	49	3·5	+ 0·2	25·6	27·0	27·3	26·9	b : bc .
12	3·4	29	3·0	− 0·3	25·6	26·9	27·1	26·9	c : bc .
13	6·4	55	3·5	+ 0·2	25·7	26·8	27·1	26·9	bc : b : bc : b b_0 .
14	10·3	89	2·1	− 1·2	25·6	26·9	27·1	26·8	b_0 : bc : b_0 .
15	10·8	93	1·9	− 1·4	25·6	26·9	27·1	26·7	b_0 . b : bc : b_e .
16	4·0	34	3·6	+ 0·3	25·7	26·8	27·1	26·9	b_0 : b bc : c .
17	6·4	55	2·6	− 0·7	25·7	26·8	27·1	27·2	bc : cr_0r_0 : c ct : c : bc : b .
18	9·3	81	2·5	− 0·8	25·7	26·8	27·1	27·2	b : bd_0 : bcd_0 : bc : b : bc .
19	11·2	97	3·6	+ 0·3	25·7	26·8	27·2	27·2	b_0 : b .
20	10·9	95	5·2	+ 1·9	25·7	26·8	27·2	27·3	b_e : b .
21	4·2	37	4·9	+ 1·6	25·7	26·8	27·2	27·2	b : $bcgd_e$: c : $bcqd_0d_0$: bcd_e : b .
22	8·5	74	4·9	+ 1·6	25·7	26·9	27·2	27·0	b : bc : c : cq_0r_0 : cr_e : bcd_e .
23	10·3	90	4·0	+ 0·7	25·7	26·9	27·1	26·9	cr_0 : bc : b : b_0 .
24	10·2	89	2·8	− 0·5	25·7	26·7	27·1	27·0	b_0 : b : c : bc : b .
25	10·0	88	4·3	+ 1·0	25·5	26·9	27·0	26·9	bq : bcq : $bcqr_0$: bcq_e : bc : b : b_0 .
26	10·5	92	3·4	+ 0·1	25·7	26·7	26·9	26·7	b : bc .
27	10·0	88	3·4	+ 0·1	25·7	26·8	26·8	26·4	bd : b : bcr_0 : bcq_0 : b .
28	5·1	45	5·6	+ 2·3	25·7	26·8	26·7	26·5	b : bcq_0r_0 cq : bcq .
29	9·5	83	5·1	+ 1·8	25·7	26·7	26·6	26·0	b : bcq : cr_0 : bcr_0 .
30	10·1	89	4·5	+ 1·2	25·7	26·8	26·4	26·0	bcd_0 : b : bc : bcq : c : bc .
Mean	8·51	73·4	3·47	+0·19	25·64	26·87	27.28	27·03	.....
Average	7·55	55·0	3·28	...	25·57	26·90	27·07	26·91	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF APRIL 1936.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1013·0mbs.	at 22·00hrs.	on 23rd	1001·9mbs	at 15.00hrs.	on 2nd
Temperature of the Air	29·9°C	at 13·10hrs.	on 12th	18·3°C	at 06·15hrs.	on 15th
Daily range of temperature of the Air ...	11·0°C	... ...	on 15th	4·8°C	.. ...	on 22nd
Temperature of the Dew Point	24·4°C	at 17.00hrs.	on 5th	13·3°C	at 16·00hrs.	on 7th
Daily range of temperature of the Dew Point	5·6°C	... ...	on 15th	1·7°C	... ..	on 2nd
Minimum on Grass	...	... ...	...	14·9°C	... ...	on 14th
Relative humidity	94·0%	at 07·00hrs.	on 5th	45·8%	at 11·00hrs.	on 26th
Vapour Pressure	30.3 mbs.	at 17.00hrs.	on 5th	15·1mbs.	at 16·00hrs.	on 7th
Evaporation in 24 hours	7·4mms.	... ...	on 7th	3·5mms.	... ...	on 22nd
Wind Velocity	8·5m.p.s.	at 11·00hrs.	on 20th	0·6m.p.s.	... ...	often
Rainfall in 24 hours	8·3mms.	ending 16hrs.	on 3rd		... ...	...
Duration of sunshine	11·2hrs.	... ...	on 19th	3·4hrs.	... ...	on 12th

Mean Day Temperature of Air, 26·24°C. Average 25·54°C. Mean Night Temperature of Air 22·75°C. Average 22·39°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0—24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	12	13	5	...	8	5	1	...	...	...	...

TABLE VIII.—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 55·2 metres above mean sea-level.)

APRIL 1936.

The initial 10 or 9 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	050	041	040	041	041	050	071	088	091	084	078	056	049	068	080	096	Midnight
1h	048	040	037	040	038	047	070	083	086	081	071	053	048	062	078	091	1h
2	042	038	035	031	031	042	068	080	082	079	065	050	043	061	076	085	2
3	039	034	028	028	030	040	063	077	080	076	061	045	041	059	073	081	3
4	037	031	023	023	026	034	061	076	078	071	060	040	040	059	073	081	4
5	037	031	023	027	028	034	061	080	080	072	060	040	041	060	075	081	5
6	040	032	029	030	030	040	067	082	081	074	060	046	044	061	080	082	6
7	042	033	033	038	037	046	071	088	084	080	067	050	051	064	082	086	7
8	050	039	039	043	041	051	078	090	090	085	068	052	057	069	090	091	8
9	053	041	040	049	043	056	081	090	091	085	071	057	060	073	096	093	9
10	051	041	040	046	043	059	081	091	092	083	071	059	060	071	095	094	10
11	048	038	039	041	041	057	080	089	089	079	070	052	056	069	092	090	11
Noon	039	031	031	037	038	050	071	078	079	070	061	046	050	062	088	086	Noon
13h	032	024	025	029	029	043	068	070	071	065	057	039	042	061	081	079	13h
14	028	020	024	025	024	040	061	065	070	061	050	031	040	056	078	076	14
15	023	019	022	022	020	040	060	060	068	060	046	030	040	055	076	077	15
16	024	021	021	026	021	041	064	069	067	061	048	031	041	057	077	079	16
17	028	026	024	030	023	044	067	069	072	066	050	032	044	060	080	080	17
18	031	031	030	031	030	051	071	072	078	069	051	039	050	067	086	083	18
19	039	032	031	036	036	060	077	079	081	071	057	043	059	073	092	091	19
20	045	040	040	043	042	069	081	081	089	076	062	050	064	079	100	093	20
21	050	044	043	049	049	071	090	091	091	081	063	052	069	083	104	099	21
22	049	044	042	050	050	074	090	091	090	081	063	053	070	083	103	099	22
23	043	042	041	046	050	071	090	091	090	080	060	050	070	082	100	093	23

The initial 10 or 9 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	089	099	104	092	101	112	122	124	112	099	082	089	119	115	...	1008·3	Midnight
1h	083	096	100	091	097	110	120	120	110	096	080	089	113	111	...	1008·0	1h
2	083	092	091	090	092	109	118	115	108	091	078	085	112	104	...	1007·6	2
3	079	088	090	086	090	103	113	112	105	090	073	081	108	100	...	1007·2	3
4	079	086	089	087	090	102	112	112	104	087	072	083	107	095	...	1007·1	4
5	079	090	086	088	090	101	111	114	108	086	072	086	106	096	...	1007·1	5
6	081	092	090	090	095	103	116	117	112	089	073	088	109	098	...	1007·4	6
7	086	100	093	093	100	110	121	121	114	091	076	092	111	103	...	1007·9	7
8	091	104	099	097	107	113	128	126	114	096	080	101	117	109	...	1008·4	8
9	098	110	102	100	110	120	131	127	116	100	081	106	120	111	...	1008·7	9
10	100	110	102	102	110	120	131	128	117	100	081	106	120	110	...	1008·7	10
11	094	108	096	099	105	116	124	122	112	093	079	102	113	103	...	1008·3	11
Noon	090	100	090	091	101	110	120	114	103	089	070	099	109	098	...	1007·7	Noon
13h	081	092	081	089	096	105	112	110	097	081	063	092	101	092	...	1007·0	13h
14	078	090	079	081	090	099	109	105	091	073	061	091	098	086	...	1006·6	14
15	076	085	076	080	090	094	106	101	090	071	061	091	096	087	...	1006·4	15
16	078	087	078	082	090	095	107	101	089	070	065	094	098	090	...	1006·6	16
17	081	090	080	083	091	098	111	104	091	073	070	097	100	093	...	1006·9	17
18	090	095	084	089	100	102	111	110	095	080	072	100	102	100	...	1007·3	18
19	092	100	094	093	104	110	114	113	099	082	076	108	111	103	...	1007·9	19
20	100	108	100	100	109	120	121	118	103	087	085	112	118	105	...	1008·5	20
21	101	111	106	102	114	121	128	120	107	089	090	120	119	110	...	1008·9	21
22	102	110	104	103	114	123	130	118	105	088	090	120	118	111	...	1008·9	22
23	101	109	099	102	113	123	128	113	101	086	090	120	118	110	...	1008·7	23

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

Hour. \ Day.	April 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Mean
Midnight	1	1	0	4	3	4	1	8	7	1	0	2	4	0	0	0	8	2	1	0	1	1	8	0	2	1	3	2	3	4	...	2·4
1h	1	0	0	5	4	4	0	8	8	1	1	6	3	0	0	0	7	2	0	0	1	2	8	0	1	1	3	2	3	4	...	2·5
2	0	0	0	4	3	2	0	9	9	1	1	9	4	0	0	0	7	1	0	0	2	2	9	0	2	1	3	2	1	3	...	2·5
3	0	0	1	4	3	1	1	9	6	1	1	9	4	0	0	0	5	1	0	0	2	2	4	0	2	2	2	2	1	3	...	2·2
4	0	0	1	3	3	1	0	9	3	1	1	9	3	0	0	1	6	1	0	0	3	2	4	0	2	2	2	2	1	3	...	2·1
5	1	0	1	2	3	1	0	9	2	1	1	6	3	0	0	2	5	3	1	1	3	2	4	1	6	2	3	3	2	3	...	2·4
6	1	0	1	1	3	1	1	9	2	1	1	8	3	1	1	2	9	5	1	2	3	7	4	1	9	2	4	7	5	3	...	3·3
7	1	1	1	1	8	2	0	6	2	1	2	8	2	1	1	5	8	5	0	3	4	8	4	5	5	2	5	7	3	3	...	3·5
8	1	1	1	1	8	2	0	2	3	1	4	8	1	0	0	5	8	5	0	3	6	9	5	8	7	3	6	8	2	4	...	3·7
9	1	1	2	4	8	2	0	1	3	1	7	8	1	0	0	6	7	7	0	3	9	10	4	8	5	2	8	10	5	5	...	4·3
10	3	2	2	4	9	4	0	4	4	6	8	8	4	0	0	6	9	7	0	4	9	9	4	8	6	1	7	9	4	6	...	4·9
11	4	4	4	6	8	5	0	5	4	4	6	6	6	5	2	6	8	6	0	2	9	9	4	6	6	1	4	9	6	7	...	5·1
Noon	4	5	4	6	9	6	0	5	4	5	7	7	6	5	1	6	8	6	0	2	9	9	6	5	4	3	5	9	6	6	...	5·3
13h	5	4	5	7	9	5	3	5	4	4	7	8	6	6	1	8	8	5	2	2	9	9	6	5	4	4	4	9	6	8	...	5·6
14	4	5	6	8	7	5	4	4	5	4	7	7	7	4	1	9	9	4	3	3	7	9	5	5	4	3	4	10	7	5	...	5·5
15	5	6	7	8	8	5	4	6	5	4	7	7	6	2	2	9	9	4	2	3	7	9	5	5	4	3	4	10	7	6	...	5·6
16	4	6	5	7	8	2	5	7	4	4	7	8	4	3	3	9	9	3	2	3	8	9	4	6	3	3	3	10	7	7	...	5·4
17	3	7	6	7	9	2	7	8	4	4	8	9	2	4	5	9	10	3	1	3	8	9	3	8	3	2	3	9	8	9	...	5·8
18	3	8	7	4	8	3	8	9	4	4	7	9	2	6	5	9	10	3	1	3	8	9	2	8	3	2	3	9	8	8	...	5·8
19	2	7	7	3	6	2	4	10	4	2	4	8	2	6	1	9	7	3	1	2	6	8	1	5	6	3	3	8	8	7	...	4·8
20	0	6	7	3	5	1	4	8	4	2	3	9	0	3	0	9	7	5	1	2	1	7	0	4	0	5	3	8	5	7	...	3·9
21	0	6	7	3	4	1	4	10	3	2	3	8	0	1	0	9	3	7	1	1	1	3	0	2	0	7	3	8	4	8	...	3·6
22	0	5	5	4	6	1	3	9	1	1	3	6	0	0	0	9	3	4	2	1	1	3	0	1	0	5	4	6	4	6	...	3·3
23	1	5	5	4	5	0	6	8	1	1	4	4	0	0	0	8	3	3	3	1	1	7	0	1	0	4	4	4	4	5	...	3·1

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

Hour Ending. \ Day.	April 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	...	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	...	...
7	43	38	40	38	15	42	33	20	25	28	0	0	27	32	32	0	1	2	38	28	0	10	12	27	5	16	24	0	19	7	...	10·0
8	60	60	60	60	38	60	60	60	60	60	0	19	60	60	60	34	12	59	60	60	6	53	56	54	48	60	34	19	57	58	..	24·1
9	60	60	60	60	27	60	60	60	60	60	2	28	60	60	60	55	54	48	60	60	0	48	60	59	60	60	53	34	60	60	...	25·8
10	60	60	60	59	40	60	60	60	60	60	30	0	50	60	60	45	50	60	60	60	0	55	60	57	59	60	60	50	60	60	...	26·3
11	60	60	60	60	56	55	60	60	60	60	60	16	38	60	54	30	54	60	60	60	3	60	60	60	55	60	60	44	60	60	...	26·7
Noon	60	60	60	53	22	45	60	60	60	60	54	30	4	59	60	53	35	59	60	60	28	54	60	60	60	60	60	50	60	60	...	26·1
13h	58	60	59	56	42	60	60	60	60	60	20	15	38	25	60	21	60	59	60	60	19	50	60	60	60	60	60	55	48	60	...	25·4
14	60	49	14	15	45	60	60	60	60	60	37	18	13	60	60	0	60	60	60	60	22	44	60	60	60	60	60	34	40	60	...	23·6
15	54	30	0	12	31	60	60	60	60	60	60	13	22	60	60	0	36	55	60	60	49	30	60	60	60	60	60	0	60	60	...	22·5
16	34	8	0	24	15	59	60	11	60	60	57	22	15	60	60	2	20	47	60	60	60	56	45	59	60	53	56	0	57	54	...	20·6
17	10	0	4	12	6	60	37	0	34	60	18	46	28	59	54	0	3	32	60	60	48	44	45	45	56	60	60	6	49	54	...	17·5
18	0	0	0	13	1	20	15	0	20	27	2	0	27	22	37	0	0	21	35	25	15	10	24	12	18	20	17	13	0	12	...	6·6
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

The total Amount of Registered Sunshine was 255.2 hrs. and the total possible sunshine was 347·9 hrs.

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

(*To obtain temperatures on the Absolute Scale add 273*)

APRIL 1936.

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
Midnight	22·3	1·3	22·0	1·0	22·1	1·1	22·9	1·0	23·0	1·1	24·0	2·0	22·9	3·1	20·5	1·6	Midnight
1h	22·2	1·1	22·2	1·1	21·8	1·3	22·9	1·1	22·7	1·1	24·0	2·0	22·8	3·6	21·7	2·7	1h
2	21·9	1·2	22·5	1·2	21·2	1.0	23·1	1·0	22·7	1·2	24·6	2·8	22·3	3·4	21·9	3.2	2
3	21·9	1·6	22·3	1·2	21·1	1·0	22·9	1·2	22·3	1·0	24·0	1·1	22·2	3·9	22·1	3·8	3
4	21·5	1·5	22·3	1·2	21·1	1·0	22·0	1·1	22·3	1·2	23·7	2·4	21.9	3·9	22·1	3·8	4
5	20·9	1·1	23·0	1·1	21·1	1·1	21·3	1·0	22·6	1·3	23·1	2·1	22·0	4·0	21·6	3·5	5
6	20·9	1·2	21·7	1·3	20·8	1·0	21·2	0·9	22·1	1·1	23·2	2·1	22·0	4·8	21·5	3·6	6
7	22·1	1·2	22·6	1·4	21·8	1·0	22·9	0·9	23·4	0·6	23·5	2·1	22·3	4·5	22·2	4·0	7
8	25·0	2·2	25·2	2·4	25·5	2·1	25·7	1·6	25·9	1·8	25·2	2·7	23·8	5·3	24·2	4·9	8
9	26·5	3·4	20·4	3·6	26·7	3.4	27·5	3·2	26·2	2·2	26·8	3·5	24·8	5·7	25·4	5·4	9
10	27·2	4·1	27·4	4·4	27·8	4·3	28·6	3·9	27·0	2·7	27·9	4.2	25·8	6·2	26·5	6·0	10
11	27·9	4·8	27·9	4·8	28·2	4·6	28·9	4·0	27·2	2·5	27·8	4·3	26·1	7·0	26·1	5·0	11
Noon	28·2	5·0	28·1	5·1	28·8	5·4	28·6	4·3	25·9	1·8	28·2	4·3	26·1	7·1	27·2	6·2	Noon
13h	28·0	4·9	28·4	5·4	29·1	4·9	29·0	4·7	27·9	3·5	28·7	4·9	26·1	7·0	27·7	6·6	13h
14	28·0	5·0	28·3	5·2	28·3	4·0	28·8	3·7	27·3	3·0	28·6	4·7	26·4	7·2	27·5	5·8	14
15	27·6	4·8	28·2	3·9	27·0	2·3	28·0	3·0	27·0	2·3	28·0	4·6	26·2	7·1	26·8	5·4	15
16	27·2	4·9	27·0	4·1	25·9	1·2	28·2	3·1	26·0	1·3	27·0	4·0	25·1	6·9	23·0	1·9	16
17	26·2	3·3	26·0	3·7	25·8	2·1	27·2	2·1	26·3	1·1	25·8	3·6	24·1	5·2	22·9	1·4	17
18	25·1	2·8	25·0	2·9	24·7	1·6	26·7	1·9	25·9	1·7	24·5	3·8	23·6	4·6	22·7	1·9	18
19	24·1	2·1	23·8	2·3	24·0	1·5	25·2	1·3	24·8	1·4	24·0	2·7	22·7	3·2	21·8	1·6	19
20	23·1	1·7	22·9	1·9	23·6	1·3	24·4	1·3	24·2	1·2	23·9	2·8	21·7	3·5	22·0	2·3	20
21	22·9	1·8	22·3	1·3	23·2	1·1	24·0	1·3	24·2	1·3	23·5	2·6	20·0	2.0	21·2	1·4	21
22	22·8	1·8	22·1	1·1	23·0	1·0	23·5	1·3	23·9	1·4	23·1	2·5	19·2	1·7	21·2	1·6	22
23	22·3	1·3	22·3	1·2	22·8	1·0	23·1	1·1	23·9	2·0	23·0	2.8	20·3	2·0	21·7	1·8	23

Day. / Hour.	9d. Air.	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
Midnight	21·3	2·0	23·0	2·8	23·0	2·5	23·6	2·0	24·0	2·2	22·1	2·1	21·5	1·5	23.0	2·0	Midnight
1h	21·1	2·4	23.0	3·0	23·0	2.8	23·9	2·2	23·7	2·2	21·7	2·4	20·9	1·7	22·8	1·8	1h
2	21·1	2·1	23·1	3·0	22·4	2·3	24·0	2·1	23·6	2·2	21·6	2·1	20·8	1·6	22·5	1·6	2
3	21·3	1·8	22·7	2·5	22·2	2·1	23·7	1·9	23·2	1·9	21·7	2·0	20·1	1·4	22·7	1·7	3
4	20·9	1·3	22·5	2·7	22·0	2·0	23·9	2·2	23·2	1·7	20·2	1·2	19·7	1·6	23·0	1·8	4
5	20·6	1·6	22·3	2.5	21·8	2·0	24·0	2·4	23·0	1·7	19·6	1·8	19·4	1·4	23·0	1·8	5
6	21·4	1·9	22·2	2·6	20·2	1·5	23·9	2·0	22·9	1·7	20·6	2·5	18·6	1·4	23·0	1·9	6
7	22·3	2·4	23·1	3·1	20·1	1·0	24·1	2·3	23·8	2·0	22·1	2·9	19·0	1·3	24·0	2·7	7
8	24·1	3·4	25·1	4·2	24·7	2·7	25·2	2·9	25·6	3·3	24·3	3·4	22·6	1·8	25·2	3·0	8
9	25·7	4·7	26·1	4·8	25·0	2·2	26·7	3·7	26·9	4·1	26·0	4·7	25·3	3·4	27·2	4·9	9
10	26·0	4·3	26·9	4·9	25·1	2·5	27·1	4·1	26·9	4·3	27·3	5·3	27·6	5·4	27·7	5·1	10
11	26·2	5·3	27·1	4·8	27.2	4·2	28·5	5·3	27·6	4·7	28·2	4·5	28·3	5·2	28·3	5·0	11
Noon	27·2	5·7	27·7	5·1	27·5	4·6	29·2	6·1	27·9	4·9	28·9	4·7	29.1	4·5	28·7	5·7	Noon
13h	27·2	6·2	27·6	4·9	26·5	3·4	29·3	6·2	28·1	5·0	28·1	4.7	29·2	5·2	29·0	5·3	13h
14	27·0	5·3	27.6	4·7	27·0	3·9	28·2	5·6	26·7	4·1	28·7	4·7	29·1	5·1	28·3	4·4	14
15	26·5	5·4	27·0	4·9	26·8	3·6	28·3	5·7	27·2	5·0	28·7	4·7	28·8	4·8	27·0	3·2	15
16	26·0	5·4	26·5	4·7	26·8	3·8	28·0	5·5	26·0	4·0	28·1	4·6	28·4	5·1	26·9	3·7	16
17	24·7	4·0	25·7	4·4	25·6	2·9	27·0	5·0	25·3	4·0	27·3	4·3	27.1	3·9	26·0	3·0	17
18	24·1	3·8	2·46	3·6	24·9	2·5	26·1	4·0	24·1	3·1	25·1	3·0	26·1	3·2	25·1	2·1	18
19	23·8	3·7	24·0	3·1	24·0	2·0	24·7	2·7	23·7	2·8	23·8	2·2	24·3	2·3	24·7	1·8	19
20	23·2	3·0	23·9	3·0	23·9	2·0	24·6	2·6	23·4	2·8	23·0	2·0	23·8	2·7	24·4	1·7	20
21	23·0	3·0	23·4	3·1	23·9	2·2	24·7	2·7	23·2	2·7	22·2	1·8	23·4	2·2	24·9	2·1	21
22	22·3	2·3	23·1	2·7	23·7	1·9	24·2	2·2	22·9	2·7	22·0	1·7	23·3	2·1	24·6	1·5	22
23	23·0	2·9	23·1	2·9	23·6	2·2	24·1	2·2	22·3	2·4	21·8	1·5	23·0	2·0	24·3	1·3	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

APRIL 1936.

Hour. / Day.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
Midnight	24·6	1·6	24·1	1·1	23·7	1·7	24·0	2·7	23·5	2·3	23·2	1·4	23·0	1·2	23·6	1·8	Midnight
1h	24·0	1·3	24·0	1·0	22·9	1·3	23·8	2·8	23·3	2·3	23·2	2·0	23·5	1·1	23·5	1·6	1h
2	23·9	1·2	24·1	1·0	22·2	1·1	23·8	2·7	23·3	2·2	23·6	1·6	23·8	1·1	23·2	1·5	2
3	24·2	1·2	24·1	1·0	22·0	1·1	23·7	2·6	23·3	2·2	23·8	2·0	22·9	1·2	22·9	1·7	3
4	23·3	1·1	24·0	0·9	21·7	1·4	23·4	2·5	23·2	1·9	23·9	2·2	23·0	1·4	22·7	1·6	4
5	23·2	1·0	24·3	1·0	21·3	1·2	23·3	2·4	23·3	1·7	23·9	1·9	23·2	1·3	22·2	1·5	5
6	23·7	0·9	24·2	0·9	21·1	1·2	23·4	2·4	23·3	1·5	23·5	1·4	23·2	1·4	21·8	1·5	6
7	23·7	0·7	24·3	1·0	23·3	1·7	24·0	3·0	23·5	1·6	23·7	1·5	23·9	1·7	22·9	1·5	7
8	24·5	0·9	26·1	1·6	25·1	2·5	25·3	4·0	24·1	1·9	24·2	1·3	25·9	2·7	25·1	2·3	8
9	27·2	2·3	26·7	2·0	27·0	4·0	26·3	5.2	24·6	2·4	26·0	2·8	27·1	3·4	26·8	3·8	9
10	27·3	2·3	27·9	3·4	28·2	6·1	27·0	5·6	25·8	2·9	26·3	2·4	28·1	4·1	27·1	4·8	10
11	28·1	3·1	28·6	3·8	28·8	6·3	27·9	6·1	27·0	4·0	26·9	3·0	28·2	4·4	28·5	5·6	11
Noon	28·7	3·9	29·0	4·2	29·1	6·6	28·2	6·0	27·1	4·1	27·3	3·1	28·2	4·4	28·5	5·7	Noon
13h	28·9	4·1	29·0	4·4	29·1	6·1	28·0	5.9	25·0	2·0	26·2	2·2	28·1	4·8	28·1	5·6	13h
14	29·0	4·6	29·3	5·2	29·1	5·9	28·1	6·2	24·7	1·7	26·5	2·3	28·0	4·1	28·2	5·6	14
15	28·1	3·8	28·3	4·3	29·0	5·8	27·5	5·4	25.0	2·2	26·6	2·7	27·9	4·6	27·3	5·0	15
16	28·0	3·7	27·6	3·9	28·1	5·2	26·2	4·0	25·6	3·1	26·3	3·2	27·2	4·2	26·6	4·8	16
17	27.0	3·0	26·9	3·2	26·9	4·2	25·8	3·9	24·2	2·1	26·6	2·7	26·2	3·0	26·0	3·9	17
18	26·0	2·0	25·9	2·3	25·3	3·2	24·8	3·2	23·2	1·2	25·0	1·5	25·1	2·1	24·8	3·0	18
19	25·0	1·3	24·6	1·4	24·8	2·7	24·1	2·9	23·4	1·4	24·7	1·5	24·6	1·9	24·1	3·0	19
20	25·0	1·1	24·4	1·3	24·3	2·2	23·9	2·8	23·6	1·8	24·4	1·3	24·5	1·8	23·8	2·7	20
21	24·6	1·1	24·5	1·4	24·1	2·2	23·9	2·7	23·8	1·8	24·4	1·4	24·2	2·0	23·1	2·1	21
22	24·3	1·1	24·2	1·2	24·0	2·1	23·8	2·7	23·8	1·8	24·2	1·2	24·1	1·8	22·9	2·6	22
23	24·1	1·1	23·8	1·5	24·1	2·4	23·5	2·4	23·1	1·3	23·9	1·2	24·0	1·9	23·0	2·5	23

Hour. / Day.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d Air.	29d Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	... Air.	... Excess of Air over Evap.	Mean Air.	Mean Excess Air over Evap.	Day. / Hour.
Midnight	23·0	2·5	21·8	3·3	19·3	1·8	23·1	2·5	22·8	3·1	21·3	1·6	...	...	22·7	1·9	Midnight
1h	22·9	2·1	21·4	2·7	20·9	1·9	23·1	2·4	23·0	3·7	21·1	1·3	...	...	22·7	2·0	1
2	22·9	2·1	21·1	3·1	20·1	1·5	22·7	1·7	22·8	3·8	21·2	1·7	...	...	22·6	2·0	2
3	23·0	2·2	20·2	3·1	20·3	2·0	23·0	2·1	22·9	3·8	21·3	2·2	...	...	22·5	2·0	3
4	22·9	2·6	20·9	2·7	20·0	1·8	22·7	1·6	22·4	2·9	21·2	2·2	...	...	22·3	2·0	4
5	22·8	2·5	21·0	3·0	18·9	1·7	22·1	1·6	22·1	2·1	20·7	2·2	...	...	22·0	1·8	5
6	22·2	2·0	20·1	2·4	19·4	1·4	22·0	1·7	22·0	2·0	21·3	2·3	...	...	21.9	1·8	6
7	21·8	1·7	21·1	2·3	20·9	1·5	22·1	1·1	22·1	3.0	21·4	1·8	...	...	22·6	1·9	7
8	24·0	3·2	23·9	4·2	22·6	1·6	22·2	0·4	24·1	4·3	23·8	3·9	...	...	24·6	2·8	8
9	25·3	3·5	25·2	5·4	24·8	3·3	24·7	2·8	25·3	5·4	24·9	4·0	...	...	26·0	3·8	9
10	26·2	4·3	26·0	6·8	26·5	5·0	25·7	3·7	26·2	6·9	26·0	4·9	...	...	26·9	4·5	10
11	26·9	5·0	26·5	7·4	26·8	4·9	25·7	3·8	26·8	6·9	26·3	4·7	...	...	27·5	4·9	11
Noon	26·8	5·3	27·0	7·0	27·6	5·8	26·1	4·6	26·7	6·6	26·2	5·2	...	...	27·8	5·1	Noon
13h	27·3	6·2	26·8	6·7	27·6	5·6	27·0	5·0	26·7	7·1	26·2	5·1	...	...	27·8	5·1	13h
14	27·4	5·6	26·6	6·5	27·8	5·8	26·1	4·1	26·0	5·9	26·1	5·5	...	...	27·6	4·8	14
15	26·7	5·4	26·2	6·1	27.1	5·3	25·9	3·9	26·2	5·9	26·0	5·4	...	...	27·2	4·5	15
16	26·0	4·9	25·1	5·3	26·2	4·5	24·9	3·0	25·9	5·6	24·9	4·5	...	...	26·5	4·2	16
17	24·8	4·5	24·4	5·4	25·0	3·7	24·7	3·7	24·3	3·0	24·4	4·3	...	...	25·7	3·5	17
18	23·8	3·7	23·0	4·3	24·0	3·0	24·0	3·8	23·0	1·9	23·2	3·4	...	...	24.7	2·9	18
19	23·2	3·1	21·1	3.0	23·5	2·7	23·3	3·2	22·6	1·6	22·0	2·6	...	...	23·8	2·3	19
20	22·1	2·3	21·0	2·8	23·1	2·5	23·8	4·0	22·4	1·4	22·0	2·3	...	...	23·5	2·2	20
21	22·1	2·0	20·6	2·4	23·2	2·8	23·9	3·7	22·3	1·7	22·3	2·6	...	...	23·2	2·1	21
22	22·0	2·2	21·1	1·9	23·3	3·1	23·7	3·1	22·[illegible]	1·7	21·9	2·3	...	...	23·0	1·9	22
23	21·8	2·7	20·5	1·8	23·1	3·0	22·4	2·0	21·6	1·6	21·2	2·0	...	...	22·8	1·9	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during APRIL 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

APRIL 1936.

Hour.	1d. Dir.	1d. Vel.	2d. * Dir.	2d. * Vel.	3d. * Dir.	3d. * Vel.	4d. * Dir.	4d. * Vel.	5d. * Dir.	5d. * Vel.	6d. Dir.	6d. Vel.	7d. Dir.	7d. Vel.	8d. Dir.	8d. Vel.	9d.	9d. Vel.	10d. Dir.	10d. Vel.	11d. Dir.	11d. Vel.	12d. Dir.	12d. Vel.	13d. Dir.	13d. Vel.	14d. * Dir.	14d. * Vel.	15d. * Dir.	15d. * Vel.	16d. Dir.	16d. Vel.
Midnight	12	1·1	12	1·6	12	1·2	12	1·6	19	0·8	14	1·5	13	3·8	13	1·9	14	2·9	12	3·9	12	3·7	13	3·2	13	4·0	16	2·1	14	1·4	14	2·7
1h	12	0·8	12	1·7	12	0·7	12	1·9	19	1·3	15	2·5	13	5·0	13	2·1	12	4·6	12	4·5	11	3·4	13	3·1	12	3·0	15	3·1	14	1·4	15	2·4
2	12	1·8	12	1·8	12	0·6	12	1·6	13	0·8	16	3·0	15	4·7	15	2·5	12	3·3	11	3·1	11	2·5	13	2·4	13	3·0	15	3·3	12	1·8	15	2·4
3	12	1·9	12	1·3	12	1·1	12	1·6	14	1·1	14	1·7	15	4·4	14	3·8	13	1·8	10	3·9	11	2·9	13	2·8	13	1·6	14	2·5	16	1·5	14	2·0
4	12	2·1	12	1·7	12	1·2	12	0·7	14	1·1	14	2·8	13	4·2	16	2·1	14	0·9	12	3·2	11	2·5	13	3·1	16	1·9	15	1·2	16	2·1	15	2·1
5	12	1·5	12	1·3	12	1·2	12	1·1	14	0·6	14	2·0	14	4·1	12	2·0	15	1·8	12	2·7	11	1·4	13	3·7	16	1·7	15	1·9	16	2·4	12	3·3
6	12	1·3	12	1·6	12	1·3	12	1·8	14	0·7	15	2·2	14	4·0	14	1·1	14	3·2	13	2·9	11	0·7	13	1·8	16	1·8	17	2·3	13	1·6	13	4·7
7	12	0·7	12	1·1	12	1·2	12	0·7	14	0·7	15	2·2	12	4·4	15	2·2	14	3·7	13	3·1	12	0·7	15	1·9	16	1·5	15	2·9	13	1·6	13	1·8
8	11	1·9	12	1·9	12	1·6	12	1·0	14	1·1	15	2·6	13	4·6	15	3·8	12	5·5	12	4·0	12	3·1	14	2·4	14	2·9	17	2·3	12	0·7	16	1·8
9	12	3.0	11	3·5	10	2·8	11	2·1	11	2·0	13	4·0	13	6·0	13	5.8	12	6·1	12	5·4	09	5·1	14	3·1	13	4·1	15	2·7	12	0·8	13	4·4
10	11	3·3	10	3·0	11	3·4	11	2.7	10	2·4	12	4·6	13	5·7	13	5·7	12	6·4	10	6·3	12	5 2	12	3·8	15	5·1	14	1·8	07	1·0	13	5·1
11	12	3·1	10	3·1	11	2·9	10	3·2	08	2·8	14	4·9	13	5·7	14	5·5	12	7·6	11	6.2	12	6·2	13	3·9	14	3·9	d28	2·1	r29	2·2	12	6·5
Noon	11	2·4	09	3·3	09	2·6	10	3·2	12	2·9	13	5·4	13	6·1	12	5·8	12	7·1	12	6·3	12	6·0	13	4·4	15	4·4	24	2·1	27	2·4	12	6·4
13h	09	4·8	10	3·4	10	2·6	09	2·8	10	2·4	13	6·2	13	6·4	12	5·6	12	7·7	11	6·1	12	4·7	14	3·4	14	5·2	28	2·1	26	2·4	12	5·9
14	10	3·3	11	1·6	d22	1·6	d28	1·1	13	2·7	12	5·8	14	6·0	13	6·0	12	7·3	12	6·0	12	4·8	13	2·3	13	5·2	29	2·8	26	2·7	12	4·7
15	10	3·4	d20	1·1	20	1·8	21	1·5	12	1·4	12	5·1	11	6·1	12	5·8	12	7·9	12	6·6	10	5.0	13	4·4	13	5·1	27	2·3	27	2·4	11	4·1
16	10	3·4	r10	1·7	20	1·3	20	1·3	d23	1·8	12	5·7	13	5·2	10	4·4	12	6·6	09	5·9	12	5·2	13	2·3	13	5·7	27	1·8	28	1·7	12	5·4
17	10	3·3	11	1.8	r10	1·4	20	0·9	26	0·6	12	7·7	13	4·2	11	1·4	13	5·2	11	5·5	12	4·2	12	2·9	13	5·2	29	1·2	d08	1·7	13	4·6
18	11	2·6	12	1·9	10	1·3	19	0·6	25	1·1	12	6·7	14	2·1	12	3·8	13	3·8	11	4·5	12	3·1	12	2·7	13	4·5	d10	1·6	11	1·5	13	3·4
19	11	2·1	12	1.2	10	1·6	19	0·9	r16	1·3	12	5·0	14	0·9	11	2·5	13	1·7	12	3·6	12	2·9	12	2·3	13	4·3	11	1·7	13	2·3	10	3·1
20	11	1·6	12	1·4	12	1·5	19	1·1	16	1·2	12	5·4	15	1·4	11	3·6	12	4·1	11	2·9	13	2·6	13	2·1	13	4·1	12	1·9	14	2·4	12	2·5
21	11	2·0	12	1·6	12	1·6	19	0·9	15	1·6	13	4·1	15	0·7	12	5·0	13	4·4	11	3·1	13	3·1	13	3·0	14	3·3	12	1·3	15	1·8	12	2·8
22	13	2·0	12	1·8	12	1·2	19	0·8	15	1·6	14	3·4	15	1·4	12	3·9	11	2·4	10	3·4	12	3·5	13	3·8	14	2·2	13	2·0	14	1·8	12	2·7
23	13	1·5	12	1·1	12	1·9	19	0·6	16	2·9	16	2·6	15	2.4	12	1·8	12	2·5	12	3·9	13	2·7	12	3·4	13	2·0	13	2·0	13	2·7	12	2·0

Hour.	17d. Dir.	17d. Vel.	18d. Dir.	18d. Vel.	19d. * Dir.	19d. * Vel.	20d. Dir.	20d. Vel.	21d Dir.	21d Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. Dir.	24d. Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. * Dir.	27d. * Vel.	28d. Dir.	28d. Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	... Dir.	... Vel.	Mean Velocity
Midnight	12	1·8	11	2·0	17	1·3	13	5·5	12	3·0	12	4·5	08	3·8	11	1·9	12	2·8	13	3·5	12	1·8	12	3·9	10	6·5	13	4·1	...	...	2·8
1h	13	1·6	11	1·9	17	1·4	12	4·6	12	2·8	11	4·2	10	3·5	12	1·9	12	2·8	13	4·1	13	2·0	12	2·3	10	6·4	12	2·7	...	...	2·8
2	13	1·4	11	2·1	17	1·4	12	3·7	12	2·9	11	5·0	10	4·0	11	2·0	12	3·6	13	3·3	13	1·7	12	4·1	11	5·6	10	4·7	...	...	2·8
3	13	1·6	11	3·3	15	2·0	13	4·1	12	3·3	11	5·1	11	3·2	11	1·9	12	4·1	13	1·5	12	1·4	11	5·7	10	6·0	10	3·4	...	..	2·7
4	12	1·4	11	1·4	15	1·4	13	4·0	12	2·9	12	4.4	12	3·6	13	1·6	12	4·9	13	2·6	12	1·3	12	4·5	10	4·4	11	3·4	...	...	2·5
5	12	1·6	11	2·3	15	1·1	13	3·9	12	3·7	12	4·4	11	3·2	13	1·5	12	3·5	13	2.4	d20	1·3	10	4·7	12	3·9	10	3·5	...	..	2·5
6	10	2·8	11	2·9	15	1·3	13	4·0	13	3·8	10	4·5	11	3·2	12	1·4	11	4·3	13	2·1	17	2·0	12	4·6	10	3·2	10	3·5	..	...	2·6
7	12	2·3	11	2·3	17	1·8	13	6·6	12	3·7	11	4·4	10	3·6	13	1·6	12	4·0	12	2·4	13	1·3	11	3·1	11	3·0	12	3·5	...	...	2·5
8	12	2·4	11	2·2	15	1·5	13	5.6	10	4·3	11	4·8	10	3·5	13	2·5	12	3·6	12	4·0	13	0·9	11	3·3	11	4·5	12	4·0	...	...	2·9
9	10	3·2	11	2·0	11	2·4	12	6·7	12	5·1	09	5.2	09	5·2	13	3·4	10	5·7	11	5·0	12	4·2	12	6·3	11	6·9	12	5·6	...	...	4·3
10	10	3·6	09	3·5	10	4·3	13	8·1	10	6·0	09	5·8	11	5·1	12	5·1	10	6·4	11	5·6	13	5·4	10	6·8	11	7·4	11	5·4		..	4·8
11	07	3·6	08	3·5	11	5·5	12	8·5	12	6·5	09	6·5	09	5·9	13	4·4	11	6·0	12	5·8	12	6·3	11	6·2	10	7·1	12	6·3	...	...	5·0
Noon	06	3·9	07	3·7	11	4·6	12	7·8	10	7·2	10	7·0	09	6·3	11	4·8	12	6·0	11	5·4	12	6·4	12	7·2	10	7·5	09	6·4	...	...	5·2
13h	06	4·4	10	3·6	10	4·9	09	6·8	13	5·7	11	5·8	10	5·5	12	4·5	10	5·9	12	5·5	12	6·6	11	6·3	10	6·8	12	6·6	...	...	5·0
14	06	3·7	09	3·3	13	4·8	12	7·3	13	6·5	10	6·2	08	5·6	12	4·4	13	5·6	11	5·6	12	6·1	11	6·7	09	6·6	10	6·6	...	...	4·8
15	07	3·6	10	3·4	13	5·9	12	6·3	13	6·4	09	5·9	09	5·5	10	4·9	12	5·9	11	5·3	12	6·5	11	7·0	09	6·6	09	5·9	..	...	4·8
16	08	3·6	10	3·5	13	5·7	12	6·4	12	6·7	08	5·3	10	4·8	12	4·7	12	5·5	12	5·7	12	5·7	12	6·6	09	5·4	10	5·9	...	...	4·5
17	09	3·5	11	2·1	13	5·9	12	6·1	12	5·3	09	5·1	11	4·1	11	3·3	11	4·4	12	2·9	12	4·3	10	6·6	12	4·6	11	5·6	...	...	3·8
18	09	1·9	11	2·0	13	5·6	10	4·6	11	5·3	09	4·3	11	2·9	12	2·3	12	3·1	12	2·8	12	2·4	10	6·5	11	3·7	11	4·0	...	...	3·2
19	09	2·0	11	1·6	13	4·8	12	3.8	10	4·8	09	4·1	12	3·2	12	1·7	13	2·9	12	1.8	12	3·0	11	5·9	11	3·3	10	3·4	...	...	2·8
20	09	1·8	11	1·6	13	3·8	12	3·2	11	5·5	09	3·9	11	3·2	12	1·6	12	2·1	12	1·1	12	3·0	11	6·1	10	3·6	10	4·4	...	..	2·8
21	10	1·7	11	1·9	13	3·1	12	3·2	12	6·0	09	3·8	12	2·9	12	1·4	13	3·2	12	0·7	11	2·4	11	5·6	10	3·4	10	4·8	...	...	2·8
22	10	2·1	11	1·4	12	3·4	12	3·2	12	5·1	10	4·3	12	2·2	12	2·3	11	4·0	12	1·2	13	1·6	11	6·4	11	3·0	11	2.9	...	...	2·7
23	10	2·0	11	1·7	13	6.4	12	3·0	11	4·9	11	3·6	12	1·9	12	2.1	13	3·0	12	1·3	12	3·0	12	6·1	09	4·4	11	2·6	...	...	2·7

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), APRIL, 1936.

Force (0–12)				Direction																
Hour	8 or above	4 to 7	0 to 3	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	2	28	...	...	...	...	...	3	19	5	3	...	...	...	...	...	...	...
9	...	8	22	...	...	..	...	3	3	22	1	1	...	...	...	...	...	...	...
15	...	14	16	...	..	...	...	5	4	16	..	...	...	3	...	...	...	2	...
21	...	2	28	...	...	...	...	1	3	21	1	3	...	1	...	...	...	...	...
Totals	...			...	...	...	...	9	13	78	7	7	...	4	...	...	...	2	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for APRIL, 1936.

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	...
	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	mm	mm
1h	...	...	...	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	..	...	...	0·2	...	...	0·3	..
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...	...	...	...
3	...	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	...	...	..	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	..	...	0·8	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	0·2	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	4·5	0·2	...	...	.	...	...	...	0.5	...	..	0·3	...	...	...
8	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...	...	0·3	..	.	...
9	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·3	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	..	...	...	...	..	...
11	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	0·6	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	0.6	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	0·1	0·2	...	...	..	...	..	...	...	...	...
15	...	...	1·0	...	1·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...
16	...	...	7·3	...	1·5	...	...	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	..	0·3	...	...	...	1.1	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	0.1	...	...	...	...	...	...	...	..	..	...	...	...	0.2	0·2	...	..	...	...	..	...	0.2	...	...
19	...	...	...	...	.	...	..	..	...	...	...	...	...	...	...	..	...	...	...	...	0·1	0·2	...	...	...	...	...	...	0·1	...	...
20	...	...	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	..	...	...	0·4	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	0·3	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	..	...	...	...	...	0·2	...	...	...	..	...	...	...	.	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	..
23	...	...	...	...	...	...	...	0·3	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...	...
24	...	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	...	0·4	..	...	...	...	.	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR APRIL, 1936.

Hour \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20	21d	22d	23d	24d	25d	26d	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	mm	mm	mm	mm	mm	mm	mm	mm
1h	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	0·2	..	...	0.4	...	0·7	0·9	...	0·2	...
2	...	...	...	...	...	...	...	..	...	0·1	...	...	...	...	...	...	...	...	...	...	...	1·5	...	...	0·3	...	...	1.1	...	..	...
3	...	...	...	..	...	...	...	...	0·3	...	..	...	...	...	...	...	...	...	...	...	...	1·6	0·2	...	0·6	...	...	2·8	..	0·4	...
4	...	...	...	..	..	...	...	...	0·1	0.4	...	..	...	...	...	...	...	...	...	0·1	...	1·9	0·2	...	0·8	...	...	0·2	...	...	...
5	..	...	...	..	...	...	...	..	0·1	...	...		...	...	..	...	...	..	...	...	...	0·8	0·8	...	1·5	...	...	0·3	...	...	...
6	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	0·3	0·5	...	...	0·5	...	0·1	0·5	...	...	...
7		...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	..	..	...	0·1	0·7	0·7	...	...	0·1	...	...	...	...	...	...
8	..	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	1·2	0·2	...	...	...	...	...	0·2	...	...	...
9	...	...	...	..	...	...	...	...	...	...	...	..	...	...	...	...	..	...	...	...	...	0·3	...	0·1	...	...	...	...	...	...	...
10	...	...	...	1·4	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	1·4	...	...	...	0·3	...	...	...	...	...	...
11	...	...	...	...	..	..	...	...	...	...	0·6	...	...	...	...	...	.	...	...	..	1·5	0·4	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	0·2	0·4	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	..	0·9	..	...	...	...
14	...	...	...	...	...	...	...	...	..	...	0·1	...	...	...	...	...	0·5	...	...	...	...	0·5	...	...	...	...	0·4	..	...	...	...
15	...	...	...	...	...	0·3	...	...	...	...	0·3	...	...	...	...	...	..	...	..	...	0·2	...	...	...	...	...	0·2	...	...	...	...
16	...	...	12·2	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·2	...	...	.	...	.	0·6	...	...	...
17	...	...	0·3	...	...	...	...	...	...	.	0·2	.	...	...	..	0·1	...	.	...	...	...	..	...	...	..	...	0·3	0·4	...	...	...
18	...	...	...	...	...	.	...	0·7	...	..	0·2	...	..	...	..	0·4	...	...	...	...	...	0·3	...	.	.	...	0·8	0·3	...	0·6	...
19	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4	0.2	...	...	...	...	0·7	0·4	0·7	...	...
20	...	..	...	..	...	...	...	1·5	...	0·1	..	...	...	...	...	...	...	...	...	...	0·5	0·8	...	...	0·3	...	0·1	1·1	...	...	...
21	...	...	...	...	...	...	...	1·6	0·1	0·7	0·2	...	...	...	...	...	...	...	0·1	...	0·2	0·9	...	...	...	..	0·6	0·5	..	0·2	...
22	...	...	...	...	1·5	...		0·5	0·4	...	...	...	...	...	...	...	...	...	..	...	0·5	1·4	...	0·2	0·2	...	0·3	0·6	0·4	0.8	...
23	...	...	...	...	2·9	...	...	1.6	0·2	...	...	...	...	...	...	...	...	..	...	...	0·2	0·9	...	...	0·4	...	1·8	0·4	..	...	...
24	..	...	...	...	12·7	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	0·5	...	...	0·3	...	...	4.5	0·3	0·3	...	...

TABLE XV—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF APRIL 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	0·47	11·9	5·95	5
	St. Antoine	50	1·19	30·2	5·47	6
	Belmont	50	1·34	34·0	6·01	6
	Poudre d'Or	20	1·48	37·6	5·88	6
	Mon Loisir S. E.	300	1·46	37·1	6·79	9
	Forbach	300	0·48	12·2	5·20	4
*	Couroupa...	...	1.01	25·7	6·91	7
*	Labourdonnais	290	0·79	20·0	6·21	4
	Mapou (Water Office) ...	...	0·65	16·5	...	4
	Beau Séjour	300	0·98	24·9	7·34	10
	Mont Piton	650	0·96	24·4	7·37	6
	Mon Choix	700	0·53	13·5	6·74	5
	Antoinette	640	1·92	48·8	7·40	9
	Mon Songe	620	1·92	48·8	7.72	12
	Botanical Gardens... ...	325	1·24	31·5	6·18	11
*	The Observatory	179	1·03	26·3	5.12	14
	Solitude	175	...	...	4·11	...
	St. André (Cour)	90	0·0	0·0	5·30	0
	La Nicolière	...	1·80	45·7	12·08	10
	California	...	1·55	39·4	7·31	7
	Australia	...	1·88	47·8	...	8
2 & 3	Union Réguard S.E.(Flacq)...	600	2·94	74·7	8·77	14
	Constance d'Arifat L.G. ...	100	3·21	81·5	7·69	13
	Rich Fund	600	3·48	88·4	9·64	14
	La Joffrette	...	3.13	79·5	...	8
	Belle Vue (Allendy) ...	...	2 26	57·4	9·30	11
4	Sans Souci	900	9.67	245·6	15·21	20
	Beau Champ (G.R.S.E.) ..	20	2·24	56·9	7·53	11
	Olivia	400	4·84	122·9	10.96	17
	Trois Ilots	...	3·05	77·5	..	13
	Belle Rive	400	5·71	145·0	14·19	22
	Sébastopol	700	6·65	174·0	...	10
	Bonne Veine	400	6·03	153.2	15·09	22
5	Rose Belle	850	6·81	173·0	15·40	22
	New Grove	650	5·52	140·2	...	17
	Mon Trésor	...	4.15	105·4	...	15
	Mon Désert (Carié) ...	75	1·79	45·5	6·77	12
	Ferney	20	5·04	128·0	9·90	11
	Sauve Terre	...	1·55	39·4	...	9
6	Tivoli	1,300	10·05	255·3	15·08	24
	La Flora...	1,050	6·88	174.8	16·37	22
	Riche Bois (Brit.) ...	650	3·16	80·3	12·15	14
5	Britannia (Estate) ...	700	5.36	136·1	11·61	17
	Savannah (Mill) ...	200	1·67	42·4	8·19	8
	St. Aubin	300	2·72	69·1	9·00	13
	St. Avold	900	8·32	211·3	12·84	23
	Colmar	400	5·21	132·3	10·42	16
	Union S. E.	...	3.89	98·8	8·55	12
	Fontenelle	320	4·30	109·2	9·29	12
6	Choisy	200	3·56	90·4	6·70	16
	Beau Bois	...	5·59	142·0	9·83	16
	Bel Air	...	3·68	93.5	8·28	11
	St. Félix	...	3·82	97·0	...	8
7,8,9&10	Bel Ombre	40	3·49	88·6	6·61	11
	Beau Champ (B. du Cap)	70	5·64	143·3	7·65	11
	Frédérica	...	7·00	177·8	7·04	14
	Pierre Fond	...	2·52	64·0	6·08	10
	Ste. Marie	...	5·03	127·8	...	11
	Hussonia Limited ..	..	0·70	17·8	...	4
11	Curepipe Gardens ...	1,840	7·05	179·1	11·76	25
	Mare aux Vacoas (G.E.)	1,850	8·89	225·8	16·19	22
	Mare aux Vacoas (Arn.)	1,830	12·03	305·6	14·93	23
	La Marie Filter Bed ..	1,700	6·70	170·2	9·62	17
*	Sophie	...	11.39	289·4	...	22
	Réunion	1,420	4·04	102·6	7·85	15
*	Aerological Station ...	1,393	3·87	98·4	10·30	21
	Phœnix	...	3·48	88·4	6·95	9
	Quatre Bornes... ...	...	1·54	39·1	...	10
12	Quatre Bornes (Board) ...	1,090	1·51	38·4	...	9
*	Le Réduit (D. of A.) ...	1,000	1·81	46·0	4·85	27
	Alma...	1,460	5·19	131·8	12·95	15
	Bagatelle	1,250	3·84	97·5	7·33	8
	Highlands	1,300	5·08	129·0	8·64	14
	Trianon	950	1·86	47·2	5·70	10
	Val Ory	1,100	2·14	54·4	5·80	16
	Bassin	...	1·70	43·2	7·30	8
	Hermitage	1,450	7·60	193·0	13·25	14
	Ebene	...	2·17	55·1	...	10
	Bega...	...	1·41	35·8	...	10
	Mon Rêve	...	2·25	57·2	...	10
	Mont Pevril	...	2·66	67·6	...	10
	Minissy	1,150	2·51	63·8	7·55	10
	Plaisance	...	1·23	31·2	...	5
	La Ferme	350	1·48	37·6	4·75	7

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of APRIL 1936.

Type. / Day	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	11	150	6·4*	133	5·2*	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	11	...	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
8		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
9		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
10	9¼	120	43·6	120	43·6	.	...	...	...	...	...	300	5·1	...	...	...	...	..	...	...	...	...	...	...	...	...
11	10	...	..	...	...	...	...	...	...	...	...	315	3·3	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	..	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	11½	90	11·8*	90	12·3*	90	0·6*	75	2·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
18	9¼	90	17·0	90	6·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	.	..	...	...	...	...	...	...	..	...	...
22	...	...	...	...	...	60	...	...	...	...	...	...	...	15	90	62·0	90	46·8	...	...	...	...	...	...	...	...
23	11¼	113	14·5*	82	14·9*	...	...	...	...	...	...	...	...	14¾	105	22·5	90	19·7	..	...	...		...	...	...	...
24	11½	120	30·8	120	21·2	270	...	...	...	...	...	300	3·5	12¾	...	...	122	9·3*	...	...	...	...	270	1·5*	...	...
25	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
26	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	11¾	122	21·2*	123	15·8*	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
28	11¼	...	..	115	7·9*	...	...	...	...	210	4·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
29	10¼	105	48·3	...	...	...	...	...	...	...	...	300	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec.

* Observatory Pamplemousses.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MAY, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1937

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF MAY 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HR: 10000	ZR: 10000
MAY								
1	13° 10′·2	·22501	·29693	5′·5	38	16	85	48
2	09·6	506	690	6·0	33	23	74	68
3	10·4	512	690	8·5	33	40	74	119
4	10·0	513	688	6·5	59	31	133	92
5	10·8	496	690	6·5	39	32	88	95
6	10·3	513	691	6·4	36	26	81	77
7	09·8	510	685	8·0	27	42	61	125
8	10·3	510	690	7·7	23	31	52	92
9	10·7	510	688	10·0	23	36	52	107
10	10·0	517	690	9·0	46	26	103	77
11	10·9	518	690	6·0	103	29	232	86
12	10·8	494	691	7·0	51	25	115	74
13	10·4	497	696	6·0	40	14	90	42
14	10·7	498	697	6·0	60	15	135	45
15	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...
17	09·9	491	699	4·0	38	24	85	71
18	10·4	488	702	5·5	47	22	106	65
19	10·0	479	701	4·0	60	19	135	56
20	10·7	488	699	6·3	34	30	76	89
21	10·4	492	699	4·0	24	24	54	71
22	10·6	500	701	4·5	53	21	119	62
23	10·6	499	698	5·7	35	31	79	92
24	10·6	504	701	3·7	36	20	81	59
25	10·7	511	699	5·3	28	15	63	42
26	10·8	502	701	3·5	70	14	157	39
27	10·9	501	699	4·7	51	16	115	48
28	11·4	503	698	5·5	30	16	67	48
29	10·9	502	699	7·0	82	21	184	62
30	11·0	492	700	4·5	40	16	90	48
31	10·5	505	696	6·5	47	23	106	68
Mean	13° 10′·50	·22502	·29695	5·99	44·3	24·0	99·7	71·3

Description of the Principal Magnetic Disturbances.

Declination.—10 and 11d. Very slightly disturbed trace at times.
12d. at end and beginning of 13d. : Disturbed trace.
At 12d. 22^h 30^m sharp negative wave (4′).
14d., 15d., 16d. and 17d. Very slightly disturbed trace.
18d. and 19d. Disturbed trace
20d. and 21d. Slightly disturbed trace,
29d., 30d. and 31d. Slightly disturbed trace.

Horizontal Force.—4d. and beginning of 5d.: Slightly disturbed.
10d., 12^h. Sudden commencement of disturbed period. The end of 10d. and beginning of 11d. are more intently disturbed. On 11d. 13^h to 17^h very rapid oscillations on the disturbed trace.
12d. and 13d. Slightly disturbed.
From 14d. to 22d. the trace remains slightly disturbed with a moderately disturbed period during the second half of 16d. Rapid decrease of (57γ) from 16^h to 17^h 30^m on 16d.
29d. 12^h 45^m—Sudden commencement of slightly disturbed period of short duration.
30d. 21^h 15^m—Sudden commencement with rapid oscillations of a short disturbance of moderate intensity.

Vertical Force.—4d. and beginning of 5d. Disturbed—large increase in daily range.
10d. 12^h. Sudden commencement of very moderately disturbed period. Small pulsations but which are much more marked on 11d 12^h to 18^h.
12d. and 13d. Very slightly disturbed.
14d. to 22d. Slightly disturbed trace.
29d. 12^h 45^m. Sudden commencement of very slight and short lived disturbance.
30d. 21^h 15^m. Sudden commencement with rapid pulsations of a slightly disturbed trace.

T=·37257 : Mean Dip=52° 50′·77′ : (X=·21910 : Y=−·05129 : Z=·29695).

† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of MAY 1936.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
d h m	° ′	d h m		d h m	° ′	
5·11.10	13·13·76	1· 9·27	·22508	5.10.53	52.48.70	·29686
15·14·35	13·08·09	4· 9·08	·22515	15·11·33	52·49·43	·29700
22·12·05	13·12·28	18·11 22	·22490	22·11·47	52·48·62	·29696
26·11·09	13·11·95	20 8·38	·22494	26 11·20	52·48·50	·29702
		27 9·03	·22528			
		30· 9·05	·22506			

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

MAY 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	10·0	10·0	10·0	10·0	10·5	10·3	10·0	10·0	10·0	10·0	12·3	10·0	10·5	10·0	11·5	...	Midnight
1h	10·3	10·0	10·0	10·0	12·0	10·0	10·0	10·0	10·0	10·0	10·0	10·0	10·0	10·0	10·5	...	1h
2	10·5	10·3	10·0	10·0	13·0	10·5	10·3	10·0	10·0	10·2	10·0	10·0	08·0	10·0	10·0	...	2
3	11·0	10·5	10·0	10·0	12·5	10·7	10·5	10·0	10·0	10·3	09·0	09·5	10·0	09·7	10·0	...	3
4	10·3	10·2	10·0	10·0	11·5	11·0	10·7	10·3	10·3	10·5	10·0	10·0	10·0	10·0	10·0	...	4
5	11·0	10·0	10·0	10·0	11·0	11·0	10·5	10·2	10·3	10·5	10·0	09·0	08·3	10·5	08·5	...	5
6	11·0	10·0	09·5	10·0	11·0	10·7	10·5	10·0	10·0	10·0	09·0	10·0	10·0	10·3	08·5	...	6
7	08·4	09·5	09·5	08·5	10·0	08·5	10·0	10·0	10·5	09·7	07·5	08·5	08·5	10·0	08·0	...	7
8	10·0	10·5	12·0	10·5	12·0	11·0	10·5	12·5	12·7	12·0	09·3	10·0	09·5	10·7	09·0	...	8
9	12·5	12·3	14·5	13·0	13·0	11·5	13·0	14·5	15·5	13·0	12·7	12·3	12·5	13·0	10·0	...	9
10	13·0	12·5	15·0	13·5	13·5	13·3	13·5	14·7	16·5	14·5	14·5	14·0	14·0	14·0	12·0	...	10
11	13·0	11·0	13·5	13·0	13·5	13·4	12·5	13·0	14·5	12·5	14·5	15·0	14·0	13·5	12·0	...	11
Noon	10·5	09·85	11·7	11·5	12·7	12·5	09·0	11·0	13·0	09·5	13·7	13·0	13·0	12·0	11·0	*	Noon
13h	10·0	07·5	11·5	11·0	11·5	11·5	07·5	09·5	11·0	07·0	12·5	11·5	11·0	11·5	10·0	12·3	13h
14	09·5	07·5	10·0	10·0	10·0	09·0	06·7	09·0	08·3	05·5	10·5	11·0	13·0	10·0	09·5	10·5	14
15	08·0	06·5	07·8	09·0	07·5	07·5	05·5	07·0	06·5	05·5	08·5	08·0	08·5	08·5	08·3	09·5	15
16	07·5	07·0	06·5	07·0	07·0	07·0	06·5	07·0	07·0	06·5	08·7	08·0	08·0	08·0	07·5	08·5	16
17	08·3	07·5	08·0	07·5	08·3	08·5	08·3	08·5	09·0	08·3	10·0	09·7	09·0	09·0	08·5	10·0	17
18	09·7	09·0	09·5	08·0	09·0	10·0	09·5	10·0	10·0	10·0	11·5	10·7	10·0	10·0	*	10·0	18
19	10·0	09·5	10·0	08·5	10·0	10·0	09·5	10·0	10·5	10·3	12·0	11·0	10·0	10·3	...	10·5	19
20	09·7	09·5	10·3	09·5	09·5	10·0	10·0	10·3	10·5	11·0	12·0	11·5	10·5	11·0	...	11·10	20
21	10·0	10·0	10·3	09·7	10·0	10·0	0·0	10·3	10·5	11·0	11·7	11·5	11·0	11·5	...	11·5	21
22	10·0	10·0	10·5	09·3	10·2	10·0	0·0	10·0	10·0	10·0	11·0	12·0	10·5	11·5	...	11·5	22
23	10·0	10·0	10·0	10·0	10·3	10·0	7·9	10·0	10·0	12·0	10·5	11·5	10·0	11·5	...	12.0	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	12·0	10·0	08·5	10·0	10·0	10·0	10·0	10·0	10·0	10.7	11·0	11·0	11·0	12·3	11·3	10·4	Midnight
1h	11·5	11·0	11·0	10·5	10·3	09·0	10·5	10·0	10·0	10·3	11·3	11·0	11·0	12·5	11·0	10·5	1h
2	10·0	10·3	10·5	10·5	09·5	10·0	10·5	10·0	10·0	11·0	11·0	11·0	11·0	14·0	11·7	10·5	2
3	09·5	10·0	08·0	11·0	10·0	10·3	11·0	10·0	10·3	11·5	11·5	11·7	11·5	12·0	11·5	10·5	3
4	09·0	10·0	09·7	11·5	10·5	10·5	10·7	10·5	10·5	10·3	10·5	11·5	11·0	12·0	11·0	10·5	4
5	09·0	08·0	10·0	10·5	10·7	11·0	11·0	10·7	10·7	11·0	10·5	11·5	11·0	11·0	10·0	10·3	5
6	08·7	10·0	09·0	11·3	10·5	10·3	11·0	10·7	10·5	11·0	10·0	11·0	10·5	11·0	09·7	10·2	6
7	07·0	08·0	08·0	10·0	09·5	09·0	09·5	09·0	09·0	10·0	10·0	11·3	09·0	10·0	09·0	09·2	7
8	07·3	12·0	09·0	10·0	10·0	10·0	09·5	08·5	09·5	09·5	11·0	12·0	09·7	09·7	10·0	10·4	8
9	10·5	13·0	09·5	12·0	11·5	12·0	11·0	10·0	11·5	11·0	11·5	14·0	12·0	10·3	12·0	12·2	9
10	12·0	13·5	12·0	13·5	12·0	13·5	13·0	12·5	12·5	12·0	13·0	14·0	14·0	12·0	13·0	13·4	10
11	12·0	13·0	11·5	14·0	11·8	13·5	13·7	13·0	13·3	12·0	13·0	13·5	13·7	12·0	13·5	13·1	11
Noon	11·0	10·0	11·0	12·5	12·3	12·3	13·0	12·7	13·0	11·7	12·0	12·5	13·0	12·0	13·0	11·9	Noon
13h	11·0	10·0	09·5	09·5	11·5	10·0	11·0	12·0	12·0	10·5	10·0	12·0	10·0	11·0	10·5	10·5	13h
14	10·0	08·5	08·0	08·0	09·5	09·0	09·5	10·0	10·0	09·0	09·5	11·0	09·0	09·0	09·0	09·3	14
15	09·0	08·0	09·0	07·7	08·0	09·3	08·0	09·3	09·0	08·7	09·5	10·0	08·0	07·5	07·0	08·0	15
16	08·0	08·0	09·0	08·7	08·0	09·5	08·0	09·3	08·0	08·5	08·3	08·5	07·0	08·0	07·3	07·8	16
17	09·0	10·0	10·7	10·0	10·0	10·5	09·5	10·0	10·0	10·0	10·0	10·0	10·0	09·0	09·0	09·2	17
18	10·0	10·7	11·0	10·7	11·0	11·0	11·0	11·0	11·0	11·3	10·7	10·5	10·0	11·0	10·0	10·3	18
19	10·3	11·3	11·3	12·0	11·5	11·0	11·0	11·7	11·5	11·5	11.0	11·0	10·5	11·0	10·0	10·6	19
20	10·5	11·5	11·0	11·0	11·0	10·0	11·0	11·5	11·5	11·5	11·5	11·0	11·0	11·5	10·5	10·7	20
21	10·5	11·0	11·0	11·0	11·0	11·3	11·0	11·0	11·3	12·0	11·7	11·0	12·0	11·7	11·0	10·9	21
22	10·5	11·5	10·7	10·0	10·0	11·0	10·5	11·0	11·0	13·0	12·0	11·0	12·0	12·0	11·0	10·8	22
23	10·5	11·0	10·5	11·0	10.5	10·7	10·3	10·7	11·0	11·0	11·0	11·5	12·3	11·7	11·0	10·7	23

* Registering Light failed.

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 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	503	501	499	511	482	499	501	505	507	515	456	505	480	493	482	...	Midnight
1h	503	501	509	510	483	501	503	505	507	516	471	503	404	492	487	...	1h
2	505	503	502	512	481	503	505	505	509	517	489	500	490	499	490	...	2
3	500	505	505	520	489	509	505	509	510	518	500	500	487	499	490	...	3
4	507	506	507	525	489	510	508	509	511	518	510	500	492	497	491	...	4
5	515	506	506	529	491	510	510	512	512	519	513	515	489	500	499	...	5
6	504	509	509	527	495	510	512	513	517	521	513	507	487	502	503	...	6
7	507	511	512	530	500	520	513	519	515	522	535	514	501	509	507	...	7
8	504	513	515	529	509	529	515	522	515	524	538	520	510	511	509	...	8
9	510	520	520	528	512	530	520	525	515	525	550	518	515	518	508	...	9
10	508	517	528	527	515	528	521	525	520	524	552	521	519	525	515	...	10
11	507	515	532	535	520	530	525	523	523	530	553	515	520	529	520	*	11
Noon	519	525	527	538	515	531	528	520	519	533	559	502	515	528	515	515	Noon
13h	509	525	516	538	513	528	520	519	516	535	531	480	505	512	500	513	13h
14	504	519	508	530	508	530	520	511	510	527	515	480	495	507	505	491	14
15	495	508	509	517	500	520	513	505	500	515	533	479	489	499	495	487	15
16	487	500	510	510	489	511	509	502	500	510	520	470	490	491	489	485	16
17	481	492	510	503	483	500	505	500	500	513	518	472	490	486	490	439	17
18	489	493	511	495	485	495	501	501	501	513	519	475	490	479	491	447	18
19	492	491	510	479	487	500	502	500	506	520	501	476	491	475	*	455	19
20	492	496	510	483	490	500	503	501	507	521	507	485	491	469	...	463	20
21	493	499	510	489	492	500	502	502	507	517	509	479	492	470	...	457	21
22	495	499	511	485	495	503	502	505	507	499	507	471	498	473	...	453	22
23	498	501	510	487	496	503	504	506	505	489	503	481	499	488	...	465	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	471	490	500	485	479	482	491	492	498	499	480	495	497	479	505	493·1	Midnight
1h	481	488	487	477	481	497	491	493	499	497	485	493	500	470	510	494·1	1h
2	480	487	485	483	485	491	491	492	500	502	485	490	501	478	510	495·9	2
3	499	491	495	478	489	497	492	499	502	504	495	497	502	475	510	499·3	3
4	497	490	497	477	490	493	497	498	507	506	495	464	502	480	510	500·8	4
5	493	500	492	482	491	495	497	500	509	510	501	500	505	483	515	503·4	5
6	498	492	490	488	492	498	493	500	512	513	505	503	510	489	525	504·6	6
7	505	505	490	491	496	501	498	510	517	521	510	505	515	495	530	510·2	7
8	508	505	490	491	502	506	500	519	518	528	521	512	520	500	525	513·8	8
9	509	507	482	499	505	512	503	527	520	529	530	508	525	503	523	516·8	9
10	493	505	473	501	502	519	512	528	521	533	531	509	528	505	510	517·2	10
11	500	485	450	505	509	529	518	523	522	540	527	515	536	503	505	519·1	11
Noon	500	488	490	507	501	530	518	518	527	538	527	520	537	502	500	519·4	Noon
13h	500	497	490	493	503	525	520	507	523	520	505	518	530	507	500	513·3	13h
14	499	500	480	502	502	515	518	506	521	510	490	510	515	500	501	508·0	14
15	490	496	455	503	493	505	505	501	517	485	481	506	505	489	499	500·4	15
16	482	479	440	492	487	497	491	499	510	475	482	500	535	482	487	494·4	16
17	480	460	458	485	482	485	485	496	507	470	489	495	460	483	483	488·7	17
18	480	470	460	477	483	477	488	499	509	480	495	495	455	486	489	489·3	18
19	400	469	457	475	490	480	491	500	508	485	497	500	470	489	492	490·1	19
20	484	465	470	475	487	488	492	499	510	483	498	505	475	489	497	492·1	20
21	480	475	470	473	482	485	492	499	505	471	493	503	477	490	498	491·5	21
22	480	470	472	487	495	488	493	499	505	479	499	493	472	505	500	492·7	22
23	485	490	490	477	486	489	494	498	498	483	500	495	475	510	502	494·5	23

* Registering Light failed.

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 1936

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	693	694	695	690	698	695	694	693	694	693	700	693	700	699	701	...	Midnight
1h	694	694	694	690	697	693	694	692	693	692	699	692	700	700	701	...	1h
2	694	694	694	690	698	692	693	692	692	692	696	692	698	700	700	...	2
3	695	695	694	691	695	692	693	691	691	691	693	693	699	699	700	...	3
4	696	695	695	691	694	693	693	692	691	691	694	693	698	699	700	...	4
5	694	695	696	691	696	693	693	692	691	691	694	692	696	699	700	...	5
6	694	695	695	691	696	693	694	693	691	691	692	691	696	698	700	...	6
7	693	695	697	690	696	691	693	695	693	691	690	690	695	697	695	...	7
8	696	697	704	696	700	697	698	701	700	698	695	695	699	699	699	...	8
9	699	693	705	696	696	701	700	701	701	701	700	696	703	701	702	...	9
10	700	688	700	695	691	701	693	698	699	699	700	697	702	700	703	...	10
11	688	680	689	686	687	694	677	687	686	687	693	692	697	692	697	*	11
Noon	684	674	683	679	681	681	677	682	678	679	687	690	693	691	695	697	Noon
13h	689	675	682	678	679	677	660	679	670	675	681	688	691	690	695	696	13h
14	688	677	675	677	672	675	660	676	669	675	680	682	690	686	694	693	14
15	685	680	665	670	668	676	658	670	665	677	671	675	689	686	693	693	15
16	689	684	669	665	675	681	665	675	675	682	672	676	690	689	695	692	16
17	693	690	680	680	684	689	678	684	683	690	682	687	693	693	698	699	17
18	696	694	687	687	690	694	687	689	689	692	687	692	696	698	700	704	18
19	696	696	690	693	691	695	690	691	691	693	690	694	697	697	*	704	19
20	695	696	691	696	694	696	691	693	692	695	691	695	698	700	...	703	20
21	695	696	691	696	695	696	692	694	692	695	691	696	699	701	...	703	21
22	694	696	691	695	695	696	693	695	693	696	692	699	698	701	...	703	22
23	694	695	691	693	695	695	692	695	694	700	691	700	698	701	...	705	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	706	701	700	703	703	703	705	704	702	702	703	701	701	703	700	698·9	Midnight
1h	703	701	701	705	702	701	703	703	702	701	703	702	701	704	699	698·4	1h
2	703	701	701	703	701	701	703	702	701	701	703	703	701	707	699	698·2	2
3	701	701	700	704	701	701	702	701	701	701	702	702	701	704	699	697·7	3
4	702	702	701	704	702	701	702	701	701	701	701	703	701	703	699	697·9	4
5	703	702	701	704	703	702	702	701	700	701	701	702	701	702	700	697·9	5
6	702	705	702	705	703	702	702	701	700	701	700	701	700	702	699	697·8	6
7	699	701	702	704	703	700	700	699	697	698	699	699	697	700	698	696·6	7
8	701	705	707	706	705	704	702	700	700	699	701	701	700	699	700	700·2	8
9	706	710	708	709	707	710	706	705	703	704	702	702	706	701	703	702·6	9
10	705	711	705	705	705	710	708	709	701	701	701	702	705	705	702	701·3	10
11	700	707	697	691	701	701	700	708	702	700	699	701	701	701	699	694·6	11
Noon	693	697	694	681	698	696	693	705	697	699	695	699	693	698	691	688·9	Noon
13h	690	695	690	679	693	693	690	700	693	697	696	690	686	691	684	685·5	13h
14	684	689	689	679	688	689	681	691	691	695	690	687	685	691	681	682·5	14
15	682	689	692	682	683	690	677	689	690	696	687	687	686	691	680	680·6	15
16	687	693	697	689	684	694	681	691	689	700	689	689	690	696	688	684·3	16
17	697	700	701	695	691	699	691	696	694	702	694	693	699	701	694	691·5	17
18	702	705	704	700	699	702	698	699	699	703	699	698	701	703	699	696·2	18
19	703	706	707	705	701	705	701	701	700	703	700	699	703	703	700	698·0	19
20	703	707	707	704	702	706	702	701	700	703	700	700	704	702	700	698·8	20
21	702	703	707	704	703	706	703	702	701	705	701	700	704	702	700	699·0	21
22	703	704	707	704	702	705	704	703	701	708	701	701	704	701	701	699·4	22
23	702	704	707	704	703	705	703	702	701	705	701	701	705	699	700	699·2	23

* Registering Light failed.

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of MAY 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall		Duration of Bright Sunshine.	Percentage of Possible Sunshine.
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.		
MAY	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	959·6	22·1	3·5	16·0	68	18·0	100	8·1	9	18·2	20·4	21·0	18·5	23·2	18·2	5·0	1·0	15	4.1	36
2	969·6	22·5	4·7	14·3	60	16·2	90	7·6	3	17·8	21·6	21·9	18·1	23.6	16·6	7·0	0.0	...	7·5	66
3	970·6	22·3	4·0	15·2	64	17·1	110	7·2	1	17·0	21·0	23·0	19·2	24.0	15·6	8.4	0.2	3	10·6	94
4	970·5	21·9	2·0	16·4	81	21·0	110	5·8	4	17·4	19·0	23·1	19·8	24·5	17·4	7·1	1·2	16	7·5	66
5	970·3	22·4	2·8	17·5	7	19·8	110	6·7	7	18·8	19·8	21·9	18·8	23·6	18·7	4·9	3·9	39	7·9	70
6	969·2	22·3	2·9	17·2	73	19·4	110	8·5	3	18·8	22·2	22·9	19·5	24·4	18·6	5·8	0 0	...	10·0	89
7	968·6	22·7	2·8	17·8	74	20·2	110	4·0	10	17·0	21·8	20·6	19·4	23·3	15·6	7·7	0·6	10	4·5	40
8	969·8	22·3	4·8	13·9	59	15·7	95	5·8	3	16·9	20·1	21·9	18·2	23·3	16·4	6·9	1·2	10	9·3	83
9	969·5	22·5	1·0	18·7	89	21·4	110	5·8	8	17·4	18·2	22·0	18·0	23·5	17·4	6·1	5·2	68	6·1	54
10	969·4	20·4	0·5	19·5	94	22·4	105	5·8	10	17·9	18·5	19·9	18·7	21·7	17·8	3·9	14·4	119	2·9	26
11	968·1	22·4	2·5	18·0	76	20·4	110	8·1	1	18·6	21·0	22·1	19·0	24·0	18·6	5·4	3·6	18	9·5	85
12	968·6	21·0	0·9	19·4	91	22·3	105	6·3	10	18·6	21·0	20·8	18·8	22·6	18·4	4·2	2·9	34	5·1	46
13	969·2	22·2	1·7	19·2	83	22·0	90	5·8	10	19·1	21·0	21·3	19·1	23·6	18·6	5·0	7·8	46	5·6	50
14	968·8	20·5	2·1	16·7	79	18·8	100	4·9	3	18·0	20·9	22.0	16·8	23·2	16·8	6·4	0·0	...	10·8	96
15	967·6	22·3	2·9	17·2	73	19·4	125	4·5	7	16·2	21·0	23·7	21·0	24·6	15·8	8·8	5·9	73	9·7	87
16	965·0	23·4	3·0	18·2	73	20·7	45	4·9	4	21·0	22·7	25·0	18·2	26·2	18·0	8·2	3·0	27	10·3	93
17	965·1	22·3	0·9	20·7	91	24·2	340	2·7	10	17·0	20·2	21·7	20·1	22·5	17·0	8·5	8·9	52	1·8	16
18	966·0	25·1	2·6	20·7	86	24·2	Calm		7	16·7	23·7	24·8	20·3	26·3	16·7	9·6	0·6	16	6·3	57
19	966·6	24·1	3·7	17·7	67	20·1	Calm		4	18·2	22·9	24·9	19·3	26·1	17·1	9·0	0·0	...	9·2	83
20	968·5	23·3	3·6	17·0	68	19·2	Calm		3	17·7	21·8	22·4	19·1	27·0	16·8	10·2	0·0	...	7·3	66
21	970·8	23·2	3·4	17·3	70	19·6	110	4·0	2	18·7	21·4	22·0	19·0	24·6	17·8	6·8	2·2	27	8·7	78
22	971·8	19·7	0·4	19·0	96	21·8	110	6·3	10	19·0	18·8	21·1	19·5	21·4	18·8	2·6	8·1	48	2·7	25
23	970·5	22·1	2·2	18·2	79	20·7	110	7·6	3	18·0	19·7	22·0	18·8	23·6	17·8	5·8	14.7	186	8·2	75
24	968·6	21·9	2·7	17·1	74	19·3	120	6·7	1	17·5	19·6	22·1	18·1	23·0	17·3	5·7	0·0	...	10·5	95
25	968·4	21·3	3·9	14·4	65	16·3	110	3·6	0	17·2	19·3	22·6	16·7	25·7	16·4	7·3	0·0	...	10·8	98
26	968·6	21·4	4·8	12·8	58	14·7	110	4·5	0	16·0	21·0	22·4	17·9	23·6	15·3	8·3	0·0	...	10·7	97
27	968.6	20·3	1·0	18·5	89	21·1	110	3·1	6	16·8	20·9	21·4	17·9	23·2	16·3	6·9	4·0	68	3·8	35
28	969·2	21·3	3·8	14·6	66	16·5	90	7·2	0	17·1	20·0	22·0	17·9	23·0	17·0	6·0	5·5	144	8·2	75
29	969·4	20·7	4·1	13·4	63	15·2	90	9·8	3	17·1	19·1	19·7	17·0	22·2	17·0	5·2	0·7	12	9·5	86
30	969·9	20·0	3·6	13·6	66	15·4	105	8·1	4	15·1	18·6	20·1	16·0	21·5	14·9	6·6	0·5	2	9·5	86
31	968·5	19·9	3·2	14·1	69	15·9	100	4·5	8	14·8	17·5	19·6	16·1	2·10	13·0	8·0	0.8	3	6·3	57
Mean	968·9	21·9	2·8	17·0	74·8	19·3	...	5·4	4·9	17·0	20·5	22·0	18·5	23·6	17·1	6·7	96·9	1036	7·58	68·1
Average	969·2	21·6	2·1	18·0	80·3	20·6	...	4·2	5·5	...	...	...	...	23·6	17·5	6·1	189·0	...	7·09	63.8
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	41·9mbs.	Amount of rain	—	43·6mms.
Temperature of the Air	+	2·9°C	Duration of sunshine	+	7·5hrs
Vapour Pressure	+	0·1mbs.	Mean of maximum temperatures	+	2·8°C
Relative Humidity	—	12·2%	,, minimum temperatures	+	1·6°C
Velocity of Wind	—	0·9mps.	Absolute maximum temperature	+	1·8°C
Amount of Cloud	+	0·2	,, minimum temperature	+	2·0°C
Greatest Rainfall intensity		5·0 mms. in 15 mins			

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MAY 1936.

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
MAY	mbs.	mns.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mms.	min	mms.	
1	1010·2	+ 1·5	26·6	20·4	6·2	22·8	− 0·6	3·6	16·5	− 3·1	68	− 11	18·6	19·1	0·0	...	6·0	5·8
2	1011·5	+ 2·8	26·7	18·9	7·8	22·5	− 0·8	3·7	26·0	− 3·5	67	− 12	18·0	16·4	0·0	...	5·0	5·6
3	1011·7	+ 2·9	27·0	18·2	8·8	22·8	− 0·4	3·7	16·3	− 3·1	67	− 12	18·4	16·4	0·1	5	5·0	4·2
4	1011·5	+ 2·6	27·0	18·3	8·7	22·7	− 0·4	3·1	17·3	− 2·0	72	− 7	19·6	16·3	0·0	...	5·5	6·1
5	1011·4	+ 2·5	26·9	20·7	6·2	23·1	+ 0·1	3·2	17·5	− 1·7	71	− 8	19·8	17·6	0·5	20	4·9	6·9
6	1010·2	+ 1·2	27·0	20·8	6·2	23·4	+ 0·5	3·9	16·6	− 2·3	66	− 13	18·7	18·4	0·0	...	5·8	5·5
7	1009·8	+ 0·7	27·0	17·3	9·7	22·3	− 0·5	3·1	16·9	− 1·9	71	− 8	19·0	14·2	0·5	15	4·5	6·0
8	1010·9	+ 1·7	26·2	19·0	7·2	22·3	− 0·4	3·2	16·7	− 2·0	70	− 9	18·8	17·8	1·3	30	4·9	7·0
9	1010·5	+ 1·2	26·7	19·4	7·3	22·3	− 0·3	3·0	17·0	− 1·6	72	− 7	19·2	17·0	0·2	7	3·9	6·0
10	1009·4	+ 0·1	25·9	20·8	5·1	22·5	0·0	1·9	19·2	+ 0·7	82	+ 3	22·0	16·8	5·9	94	4·3	5·4
11	1009·2	− 0·2	26·6	20·8	5·8	23·2	+ 0·8	2·4	19·0	+ 0·6	78	− 1	22·8	19·4	1·5	17	4·0	4·4
12	1009·8	+ 0·3	26·1	21·0	5·1	22·6	+ 0·2	2·3	18·6	+ 0·2	78	0	21·2	19·5	1·7	47	5·1	5·1
13	1009·9	+ 0·3	26·9	21·2	5·7	23·1	+ 0·8	1·9	19·8	+ 1·5	82	+ 4	22·9	19·2	1·5	43	2·5	6·8
14	1009·4	− 0·3	26·0	18·2	7·8	22·0	− 0·3	3·7	15·5	− 2·8	66	− 12	17·4	16·8	0·0	...	4·4	2·8
15	1007·2	− 2·5	27·3	16·8	10·5	22·2	0·0	2·4	18·0	− 0·2	77	− 1	20·4	13·4	17·0	89	4·3	4·9
16	1005·5	− 4·3	28·8	19·0	9·8	23·4	+ 1·2	2·3	19·4	+ 1·2	79	+ 1	22·3	15·0	0·4	10	3·5	4·9
17	1005·7	− 4·3	27·8	18·2	9·6	22·7	+ 0·6	1·7	19·7	+ 1·6	83	+ 5	22·7	14·8	1·5	32	4·0	5·8
18	1006·9	− 3·1	28·1	18·0	10·1	22·7	+ 0·7	2·2	18·8	+ 0·8	79	+ 1	21·5	17·0	0·0	...	3·8	2·9
19	1008·0	− 2·1	27·3	18·1	9·2	22·2	+ 0·2	2·0	18·7	+ 0·7	81	+ 3	21·4	15·4	0·1	10	3·9	3·8
20	1010·0	− 0·2	27·0	18·0	9·0	22·0	+ 0·1	2·2	18·1	+ 0·1	79	+ 1	20·6	14·8	0·0	...	3·1	3·7
21	1011·8	+ 1·5	27·0	19·7	7·3	22·7	+ 0·8	2·4	18·5	+ 0·5	77	− 1	21·1	17·0	0·5	18	2·8	5·1
22	1012·5	+ 2·2	25·2	21·1	4·1	22·4	+ 0·6	1·5	19·8	+ 1·9	85	+ 7	22·9	20·0	5·6	92	3·3	7·5
23	1011·2	+ 0·8	26·2	20·1	6·1	22·4	+ 0·6	1·9	19·1	+ 1·2	82	+ 4	21·9	18·5	3·1	85	6·0	6·0
24	1009·5	− 0·9	26·0	18·8	7·2	21·9	+ 0·2	2·6	17·3	− 0·5	75	− 3	19·6	16·0	0·0	...	3·7	1·7
25	1009·2	− 1·3	26·0	16·2	9·8	20·4	− 1·3	2·7	15·6	− 2·2	74	− 4	17·6	12·1	0·0	...	4·9	0·5
26	1009·6	− 1·0	25·7	16·0	9·7	20·5	− 1·1	2·8	15·5	− 2·3	73	− 5	17·4	13·0	0·0	...	3·9	1·4
27	1009·7	− 0·9	25·8	16·1	9·7	20·7	− 0·9	1·6	17·8	+ 0·3	83	+ 5	20·2	12·8	2·1	68	3·9	6·5
28	1010·4	− 0·3	25·2	19·2	6·0	21·8	+ 0·3	2·6	17·2	− 0·2	75	− 3	19·4	17·2	8·9	159	4·2	4·6
29	1010·2	− 0·5	24·6	19·0	5·6	21·7	+ 0·2	3·9	14·8	− 2·6	65	− 13	16·7	16·5	0·6	34	5·1	5·1
30	1009·5	− 1·3	24·2	16·2	8·0	20·4	− 1·0	3·5	14·1	− 3·2	67	− 11	15·9	16·0	0·1	5	4·9	4·2
31	1009·0	− 1·8	25·0	15·0	10·0	19·8	− 1·6	3.3	13·8	− 3·5	68	− 10	15·6	12·0	0·2	10	3·9	4·1
Mean	1009·7	− 0·1	26·4	18·7	7·7	22·2	0·0	2·7	17·4	− 0·9	74·6	− 3·8	19·8	16·3	Sum 53·3	Sum 890	4·4	4·9
Aver.	1009·8	...	25·9	19·1	6·8	22·2	...	2·3	18·3	...	78·4	...	20·8	15·7	95·4	1340	3·8	4·8
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF MAY 1936.

The mild anticyclonic conditions of the previous month were again prevalent at first. Pressure kept consistently above normal during the first ten days with a marked defect in humidity and with temperature generally below the average. Then followed a period of comparatively low pressure with a marked rise in temperature and humidity; this period also witnessed the heaviest rainfall of the month. The month ended with a recurrence of the low temperatures and humidities.

Rainfall was again considerably in defect. At the observatory only 56% of the average was recorded though it is remarkable that there occurred 21 days on which some rain fell as against a normal frequency of 15 days for the month. About 6% in excess of the average duration of Bright Sunshine was also recorded.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1936.

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather: 0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	24th.
MAY	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.									
1	4·7	42	3·8	+ 0·5	25·7	26·8	26·4	25·8		b		bcq	cq	c		bc	b
2	6·7	59	3·3	0·0	25·7	26·8	26·3	25·4			bc			cq$_0$		bc	
3	10·6	94	3·5	+ 0·2	25·7	26·8	26·2	24·9			b			bc		cd$_0$	c
4	8·3	73	2·5	− 0·8	25·7	26·6	26·1	25·2					bc				
5	7·2	64	3·7	+ 0·4	25·6	26·6	26·0	25·3	cd$_0$		bcd$_0$		cq$_0$ d$_0$	bc	c		bc
6	8·1	72	4·2	+ 0·9	25·7	26·6	25·9	25·3					bc				
7	6·3	56	3·0	− 0·3	25·6	26·6	25·8	25·1			b		bcq	cgq$^{d}_{0}$ d$_0$	c		o
8	9·0	80	3·1	− 0·2	25·7	26·6	25·8	24·9	c		cd$_0$	bcq$_0$		bc			cr$_0$
9	8·2	73	3·2	− 0·1	25·6	26·6	25·7	25·0		bc		bcd$_0$		bc	c	bc	b
10	4·6	41	3·0	− 0·3	25·9	26·6	25·7	25·0	b		bcd$_0$		cr$_0$r$_0$	cd$_0$	c	cr$_0$	bc
11	10.0	89	4·3	+ 1·0	25·7	26·4	25·6	24·9			bcr$_0$	bc		bcq$_0$		bc	b
12	7.1	63	3·8	+ 0·5	25·7	26·4	25·5	25·1	b		bc	c	cr$_0$	cr$_0$r$_0$		bc	b
13	7·6	68	3·4	+ 0·1	25·7	26·5	25·5	25·0		bc		bcr$_0$	cqr$_0$	bcr$_0$		c	
14	10·0	89	2·8	− 0·5	25·7	26·4	25·5	25·4			b		bc		b		
15	9·9	89	2·8	− 0·5	25·7	26·3	25·4	24·6			bc		b		bc		cRR
16	9·7	87	2·2	− 1·1	25·8	26·3	25·4	25·1	cr				bc			b	b$_0$
17	2·3	21	2·0	− 1·2	25·7	26·3	25·4	25·1	b	bcd$_0$		cr$_0$	c		bc	b	
18	10·4	94	1·6	− 1·6	25·7	26·3	25·4	25·3			b			bc		b	
19	7·8	70	1.6	− 1·6	25·7	26·3	25·4	25·2			b		bc	c		bc	b
20	5·7	51	1·9	− 1·3	25·6	26·2	25·6	25·0	b	b$_0$	b	bc		c		bc	b
21	7·9	71	3·0	− 0·2	25·7	26·6	25·4	25·0		b	bc	b		bc		bcr$_0$	or$_0$
22	3·6	33	3·7	+ 0·5	25·8	26·2	25·4	24·9		bc		or$_0$	c			cr$_0$r$_0$	
23	7·0	64	3·7	+ 0·5	25·6	26·2	25·3	24·8		or$_0$r$_0$	bc		bcr$_0$	b		bc	
24	10·1	92	3·0	− 0·2	25·7	26·3	25·3	24·9					b				
25	9·3	85	2·3	− 0·9	25·6	26·3	25·2	24·5		b		b$_0$		b		b	b$_0$
26	9·9	90	2·4	− 0·8	25·6	26·2	25·1	24.1	b$_0$		b	b$_0$		b			
27	5·1	46	2·2	− 1·0	25·5	26·1	25·1	23·9		b	c	ogr$_0$	c			cr$_0$r$_0$	
28	9·4	85	4·5	+ 1·3	25·7	26·1	24·8	23·8		bd$_0$		b			orr		c
29	9·7	88	5·3	+ 2.0	25·6	26·0	24·7	23·9		or$_0$r$_0$	b			bc			
30	8·7	79	3·3	0·0	25·7	26·1	24·6	23·6				bc				b	
31	7·5	68	2·7	− 0·6	25·6	25·9	24·4	23·3		b		bc		bcd$_0$		bc	
Mean	7·82	70·2	3·09	−0·17	25·68	26·39	25.49	24·82	.....								
Average	7·39	66·4	3·26	...	25·61	26·29	25·51	25·03	.....								
Column	19	20	21	22	23	24	25	26	.....								

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MAY 1936.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1014·3mbs. at	10·00hrs.	on 22nd	1004·3mbs at	15.00hrs.	... on 16th
Temperature of the Air	28·8°C at	...	on 16th	15·0°C at	04·50hrs.	... on 31st
Daily range of temperature of the Air ...	10·5°C	... ...	on 15th	4·1°C	..	... on 22nd
Temperature of the Dew Point	21·9°C at	14.00hrs.	on 19th	11·3°C at	05·00hrs.	... on 31st
Daily range of temperature of the Dew Point	7·1°C	... ...	on 15th	1·8°C	...	.. on 11th
Minimum on Grass	...	... ...	...	12·0°C	...	... on 31st
Relative humidity	97·6%	... ...	often	47·7% at	13·00hrs.	... on 14th
Vapour Pressure	26.0 mbs. at	14.00hrs.	on 19th	13·3mbs. at	05·00hrs.	... on 31st
Evaporation in 24 hours	6·0mms.	... ...	on 1st & 23rd	2·5mms.	...	... on 13th
Wind Velocity	7·2m.p.s. at	13·00hrs.	on 29th	0·6m.p.s.	...	... often
Rainfall in 24 hours	17·4mms. ending	01hr.	on 16th		...	.....
Duration of sunshine	10·6hrs.	... ...	on 3rd	2·3hrs.	...	... on 17th

Mean Day Temperature of Air, 24·33°C. Average 24·08°C. Mean Night Temperature of Air 20·35°C. Average 20·58°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0—24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	5	22	4	...	10	7	3	1	...	...	...

TABLE VIII.—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 55·2 metres above mean sea-level.)

MAY 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d	13d.	14d.	15d.	16d.	Day. / Hour.
	The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.																
Midnight	108	114	122	126	120	118	106	110	112	109	095	100	105	103	090	059	Midnight
1h	105	111	120	121	113	116	100	108	110	107	094	098	102	102	090	058	1h
2	100	110	115	118	109	110	100	101	108	101	091	093	100	100	089	055	2
3	094	106	110	111	108	103	098	100	104	100	090	092	097	096	083	050	3
4	093	104	110	110	107	100	097	101	102	100	087	092	096	095	083	048	4
5	093	104	111	111	108	100	095	101	101	100	082	093	095	097	082	048	5
6	096	106	114	116	110	101	091	109	102	102	088	097	098	099	087	050	6
7	101	112	120	121	111	105	098	111	111	103	092	100	101	102	090	052	7
8	109	118	126	126	118	109	101	118	116	105	099	102	107	105	090	059	8
9	110	121	128	130	124	113	101	119	117	109	100	110	110	107	088	064	9
10	111	129	129	130	126	111	101	119	116	104	100	109	110	107	082	066	10
11	110	119	126	124	123	107	100	113	112	099	095	100	101	100	076	061	11
Noon	100	111	120	117	120	100	094	108	103	090	089	098	096	091	070	058	Noon
13h	095	109	110	103	111	093	089	100	097	080	083	089	088	086	061	050	13h
14	092	110	107	100	106	090	087	098	093	078	080	086	087	081	052	044	14
15	091	109	106	098	101	089	084	098	091	076	080	084	083	080	051	043	15
16	092	111	106	097	101	088	085	100	091	076	081	090	086	080	052	044	16
17	094	112	107	100	108	089	089	101	096	079	089	096	089	082	057	050	17
18	100	120	110	105	112	093	093	106	099	080	091	099	091	086	061	053	18
19	103	121	117	111	116	100	100	111	104	081	093	101	100	090	063	060	19
20	110	122	122	116	120	103	109	120	110	089	099	104	103	091	063	063	20
21	113	126	124	122	123	110	110	120	110	092	101	109	108	094	066	064	21
22	116	128	126	123	121	110	112	120	110	097	100	110	110	096	064	064	22
23	114	127	126	120	120	108	111	116	110	098	100	108	110	092	061	063	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day. / Hour.
	The initial 10 or 9 is omitted. The unit in the table is 0·1 millibar.																
Midnight	061	070	080	092	118	130	125	117	100	101	100	104	107	101	103	1010·3	Midnight
1h	059	068	080	091	112	128	120	110	098	100	099	102	109	100	098	1010·1	1h
2	051	062	078	090	109	124	119	096	091	098	096	100	102	095	091	1009·7	2
3	049	060	072	088	110	122	115	090	090	096	091	097	101	092	091	1009·4	3
4	049	060	071	087	110	121	111	090	090	094	090	098	101	091	091	1009·3	4
5	049	061	072	086	110	121	110	091	090	093	091	099	101	091	092	1009·3	5
6	051	065	078	091	112	124	112	094	092	097	093	102	103	093	096	1009·6	6
7	058	072	082	100	120	131	119	098	097	101	100	105	112	097	100	1010·1	7
8	060	078	084	105	126	139	123	103	101	107	104	109	116	100	101	1010·2	8
9	065	080	089	110	130	141	126	105	103	107	110	111	117	101	101	1010·8	9
10	065	080	090	109	130	143	126	106	102	106	111	111	115	101	100	1010·8	10
11	062	072	083	101	124	140	121	103	091	100	108	109	110	099	093	1010·3	11
Noon	059	068	077	098	120	131	117	099	083	095	099	101	103	094	088	1009·7	Noon
13h	050	060	067	091	110	120	109	090	080	089	089	096	095	084	080	1008·9	13h
14	049	057	066	089	108	111	106	081	080	086	081	093	090	080	073	1008·5	14
15	045	058	067	090	104	110	099	080	080	083	080	093	088	080	072	1008·4	15
16	046	060	070	090	106	111	097	080	080	084	081	096	086	082	078	1008·5	16
17	050	063	072	093	110	113	096	081	081	088	086	101	090	089	080	1008·8	17
18	051	068	078	100	114	117	100	081	085	091	092	105	092	092	082	1009·2	18
19	057	072	083	106	120	121	103	090	091	096	099	110	097	099	086	1009·7	19
20	062	078	089	113	126	123	110	098	100	100	102	111	101	101	091	1010·2	20
21	066	080	093	118	130	126	111	100	101	100	104	110	102	106	094	1010·4	21
22	069	081	093	120	131	126	110	100	101	101	107	110	102	108	096	1010·5	22
23	071	080	093	121	130	126	110	101	101	100	106	110	102	107	094	1010·4	23

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

Hour \ Day.	May 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	4	4	2	8	8	5	2	8	8	2	5	1	1	4	4	9	2	1	1	2	2	8	9	1	1	0	1	4	10	4	1	3·9
1h	4	5	1	8	7	5	2	8	7	2	6	1	3	4	5	10	2	1	1	1	2	7	9	1	1	0	1	4	10	5	1	4·0
2	3	8	1	7	8	5	2	9	8	1	5	1	6	3	5	10	4	1	0	1	3	6	10	0	1	0	1	3	10	4	1	4·1
3	3	8	2	7	8	5	1	8	6	1	7	1	6	2	7	8	3	0	0	0	4	4	10	0	1	0	1	3	10	4	1	3·9
4	3	8	2	7	8	5	1	8	7	1	5	1	5	2	8	5	7	1	0	0	5	3	10	0	1	0	1	3	10	3	1	3·9
5	2	8	3	6	6	5	2	10	9	2	4	4	5	2	5	5	8	0	0	0	4	5	10	2	1	1	1	2	4	3	3	3·9
6	2	6	3	6	4	5	7	9	7	10	3	5	6	2	1	7	9	1	1	0	3	4	10	2	1	1	2	3	3	5	3	4·2
7	5	6	1	6	6	6	2	8	6	10	4	3	6	2	1	6	7	1	1	1	4	5	8	2	0	1	6	2	2	4	3	4·0
8	7	5	3	6	8	6	1	4	5	9	5	2	7	2	1	6	8	0	1	1	5	8	7	2	0	1	8	1	1	3	3	4·1
9	9	6	1	6	8	6	1	5	4	10	5	8	9	2	1	6	8	0	1	1	3	8	2	2	0	1	8	0	1	3	2	4·1
10	8	6	4	6	8	7	5	7	6	9	5	7	8	2	3	6	9	2	2	4	1	10	4	3	0	0	10	1	4	4	6	5·1
11	10	5	4	7	8	7	8	8	6	8	4	8	7	4	3	6	8	3	4	4	3	10	4	3	0	0	10	0	3	5	5	5·3
Noon	8	4	5	7	9	6	8	6	6	10	4	10	7	5	3	6	8	3	7	4	4	9	4	4	0	0	9	1	4	6	4	5·5
13h	8	5	6	6	6	8	8	5	6	8	3	9	8	5	3	6	9	6	7	6	4	9	4	2	0	1	9	1	4	5	6	5·6
14	8	8	5	5	7	7	9	5	6	8	4	9	9	5	3	6	8	7	7	8	6	9	6	2	0	2	8	2	4	5	8	6·0
15	8	8	5	4	7	7	9	5	6	8	3	9	10	5	1	6	6	7	9	8	8	9	8	2	0	3	7	3	5	5	3	5·9
16	9	7	5	4	8	6	8	5	8	6	8	9	8	3	2	5	4	7	9	8	8	9	5	2	1	3	8	7	6	5	4	6·0
17	9	4	4	4	9	5	8	4	9	6	6	9	7	1	4	5	4	7	9	9	7	9	2	2	2	3	9	10	7	5	5	5·9
18	9	1	3	4	8	4	8	4	8	8	5	9	6	1	10	2	5	7	9	9	6	9	2	2	1	3	9	10	5	5	6	5·7
19	9	3	3	5	7	3	10	9	7	9	5	9	7	2	9	1	5	5	7	10	3	7	3	1	1	3	9	10	4	7	3	5·7
20	8	5	9	5	7	3	10	10	8	8	4	4	8	2	10	1	3	3	5	5	4	7	7	1	1	3	10	10	6	4	8	5·8
21	2	8	9	7	4	7	10	9	1	8	3	1	8	3	10	0	5	3	5	3	10	7	8	1	0	2	10	10	5	2	8	5·5
22	1	5	9	7	4	6	10	8	1	7	2	1	8	2	8	0	4	2	3	3	10	8	4	1	0	2	10	9	4	2	8	4·8
23	1	3	8	8	5	3	9	5	1	5	3	1	8	3	8	0	3	1	1	1	10	8	3	2	0	2	7	9	4	3	6	4·2

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

Hour Ending. \ Day.	May 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	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	...
7	0	0	25	0	11	0	20	0	0	0	20	18	0	15	15	13	0	26	25	20	17	0	5	8	15	18	0	20	3	0	1	4·9
8	6	25	60	23	48	5	60	33	43	3	60	60	27	60	60	60	0	60	60	60	31	43	20	60	60	60	10	60	55	54	1	21·1
9	54	50	60	48	11	48	60	42	59	27	60	36	32	60	60	60	34	60	60	60	42	3	49	60	60	60	11	60	55	46	59	24·7
10	40	29	60	56	53	59	60	59	45	45	60	60	55	60	60	56	36	60	60	60	60	0	60	60	60	60	8	60	60	59	27	26·5
11	53	59	60	40	55	57	54	55	50	20	60	60	57	60	60	60	1	60	60	60	60	0	60	60	60	60	4	60	52	60	58	26.2
Noon	56	26	60	35	28	59	24	55	53	24	60	44	53	60	60	51	31	60	60	60	60	4	60	60	60	60	26	60	60	54	52	25·3
13h	53	45	60	53	60	45	46	60	60	37	60	20	59	60	60	60	10	60	55	22	60	20	60	60	60	60	59	60	59	60	55	26·6
14	17	43	60	60	60	56	17	56	60	11	60	59	42	58	60	60	0	58	15	2	60	15	59	60	60	60	53	60	57	60	58	24·3
15	2	28	60	60	34	56	8	50	60	34	60	55	45	54	60	45	3	59	0	1	21	59	25	60	55	60	60	60	59	59	50	22·4
16	1	39	60	60	48	43	32	56	54	55	60	15	48	52	60	60	23	60	22	0	35	49	3	60	34	60	60	60	00	35	31	22·2
17	0	40	59	59	14	43	1	60	5	19	37	0	37	57	41	53	0	60	47	0	26	23	18	58	32	37	14	3	53	33	55	16·4
18	0	22	12	5	6	15	0	12	0	0	5	0	3	5	0	3	0	5	0	0	0	0	2	0	0	0	0	0	9	0	3	1·8

The total Amount of Registered Sunshine was 242.4 hrs. and the total possible sunshine was 345·1 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

MAY 1936.

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
Midnight	21·2	1·6	20·3	3·2	21·9	2·1	20·9	2·0	21·9	1·9	21·9	2·8	20·7	2·6	20·6	2·3	Midnight
1h	21·2	2·1	19·7	2·7	21·7	2·9	20·0	1·9	21·1	1·2	21·1	2·3	20·2	2·3	19·9	1·9	1h
2	21·0	2·3	19·2	2·4	20·0	2.0	20·0	1·9	20·8	1.5	21·0	2·1	20·5	2·2	19·7	1.9	2
3	20·9	2·2	19·0	2·2	19·8	1·8	20·9	2·3	21·3	1·3	21·1	2·2	20.1	2·1	19·5	1·7	3
4	20·8	2·0	20·2	2·0	19·0	1·9	21·0	2·0	21·6	1·5	21·7	2·6	19.0	2·0	19·0	1·9	4
5	21·1	2·1	19·8	2·1	18·9	1·9	20·0	1·9	21·5	1·5	22·1	2·8	17·9	1·8	19·9	1.9	5
6	21·0	2·3	20·2	2·2	18·7	2·3	19·1	1·7	21·0	1·1	21·9	2·9	1·77	1·6	20·5	2·2	6
7	21·3	2·2	21·1	2·6	20·4	3·2	19·1	1·5	22·0	2·1	21·9	2·8	20·3	1·6	20·1	1·9	7
8	22·4	3·2	23·2	4·3	23·0	4·7	21·9	2·2	23.4	3·2	23·1	3·4	23·0	3·1	22·2	3·1	8
9	24·8	4·9	24·9	5·6	24·9	5.4	23·7	3·1	23·6	2·9	25·1	5·1	25·0	4·9	24·6	5·4	9
10	25·0	5·0	25·1	6·3	25·3	5·4	24·7	3·9	26·0	5·7	25·9	5.3	25·9	5·1	25·5	7·4	10
11	26·2	6·1	26·1	6·5	25·9	6·1	24·8	3·9	25·9	5·3	26·2	6·0	26·7	5·6	26·0	6·6	11
Noon	25·7	5·6	26·0	5·8	26·4	6 3	26·5	5·7	25·2	5·1	26·2	6·0	25·2	3·5	25·4	4·6	Noon
13h	26·6	6.6	26·0	6·6	26·9	6·2	27·0	6·7	26·6	6·4	26·0	5·9	25·0	3·5	25·9	5.9	13h
14	25·0	5·4	25·7	6·0	26·9	6·1	26·6	6·0	26·3	6·2	26·6	6·6	24·9	3·7	25·1	5·1	14
15	24·8	4·4	25·2	5·4	26·1	5·8	26·6	6·5	25·5	5·1	26·1	5·8	24·8	4·0	25·0	4·9	15
16	23·8	3·4	23·8	3·8	25·2	5·0	25·8	5·6	25·0	4·7	25·2	4·4	24·2	3·9	24·1	4·4	16
17	23·8	3·8	24·3	4·8	24·8	4·8	24·6	4.4	24·1	4·2	24·3	3·9	23·5	3·9	23·9	4·0	17
18	22·7	3·7	22·4	4·0	23·2	3·6	23·1	3·0	22·9	3·4	23·0	3·0	23·1	3·4	22·6	2·8	18
19	22·3	3·1	20·9	2·8	22·4	3·1	22·0	2·1	22·0	2·9	22·1	2·8	23·0	3·9	22·1	2·4	19
20	21·9	2·8	21·0	2·5	22·5	2·9	22·0	1·7	23·0	3·1	22·6	3·6	22·5	3·4	21·3	1·2	20
21	20·6	2·9	21·4	2·5	22·1	2·1	21·5	1·5	21·8	2·8	22·8	3·9	21·9	3·1	21·0	1·2	21
22	21·2	3·8	21.6	1.9	21·4	1·7	21·7	1·7	21·1	2·8	22·5	3.8	20·4	2·4	21·0	1·0	22
23	21·3	3·7	22·1	2·2	20·9	2·0	21·9	1·8	21·6	2·8	21·5	3.2	20·1	1.9	21·1	1·4	23

Day. / Hour.	9d. Air.	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air	16d. Excess of Air over Evap.	Day. / Hour.
Midnight	21·0	1·5	21·7	2·6	21·1	0·9	22·0	2·0	22·0	1·7	22·4	2·5	18·2	1·5	22.3	0·4	Midnight
1h	20·3	1·4	21.1	2·0	21·5	1.0	22·0	2·0	22·0	1·4	22·1	2·2	17·2	1·3	22·2	0·3	1h
2	20·0	1·7	21·6	2·3	21·2	1·1	21·9	2·1	21·8	1·3	21·6	1·8	18·2	1·4	22·1	0·3	2
3	19·6	1·5	21·3	1·8	21·2	1·2	22·0	2·2	21·8	1·3	21·0	2·0	17·3	1·2	22·0	0·5	3
4	20·3	1·4	21·3	1·6	21·0	1·0	21·7	2·1	21·3	1·1	20·2	1·9	17·9	1·3	21·7	0·5	4
5	20·0	1·1	21 3	1.4	20·9	1·6	21·2	2·1	21·6	1·0	19·2	1·4	17·1	1·3	21·6	0·6	5
6	19·8	1·5	20·9	1·2	21·2	1·2	21·0	1·8	21·9	1·2	19·1	1·8	16·9	1·3	21·7	0·7	6
7	20·2	1·2	20·8	0·8	21·5	1·4	21·1	1·5	22·0	1·0	20·7	2·9	17·2	1·2	22·5	1·0	7
8	22·0	2·1	21·7	1·1	23·2	2·1	22·9	2·6	22·8	1·0	22·0	3·9	21·3	2·2	23·5	1·5	8
9	23·5	3·6	23·0	1·9	24·9	2·9	23·3	2·2	23·7	1·7	23·9	4·9	21·4	1·4	24·5	2·1	9
10	24·5	3·7	23·3	1·7	25·2	3·5	24·9	3·8	24·9	2·2	24·8	5·8	25·2	4·5	25·7	3·5	10
11	24·7	4·0	24·2	2·4	26.0	3·9	25·2	3·4	25·9	3·2	25·2	6·5	26·2	5·2	26·6	4·5	11
Noon	25·2	4·4	23·9	2·1	26·3	4·2	23·2	1·9	24·7	2·4	25·8	6·4	27.1	5·7	26·9	4·9	Noon
13h	26·3	6·4	24·5	2·5	25·8	3·9	24·7	2·9	26·2	4·1	25·9	7.0	27·0	5·4	27·3	5·2	13h
14	26·2	6·3	24·3	2·3	26·0	4·0	25·6	4·0	24·4	2.2	25·5	5·8	27·0	5·0	27·3	5·2	14
15	25·2	5·3	25·6	4·1	25·6	4·0	25·0	3·1	25·2	3·2	25·0	5·9	27·0	4·9	26·8	4·2	15
16	25·0	5·5	25·0	3·8	25·5	3·7	22·7	1·6	24·2	2·8	24·0	5·4	26·1	4·1	26·5	4·3	16
17	23·9	4·6	23·8	2·8	23·9	2·2	22·0	1·2	24·1	2·9	23·3	5·0	25.0	2·9	25·3	4·2	17
18	23·1	3·9	22·7	1·9	23·2	2·3	21·9	1·8	23·0	1·7	21·9	4·0	23·2	1·2	23·8	2·3	18
19	22·1	2·7	22·3	1·5	22·3	1·4	21·4	1·6	22·6	1·6	19·9	2·7	23·0	1·0	21 8	1·8	19
20	21·5	2·4	21·8	1·5	22·3	2·1	21·1	2·0	22·2	1·2	18·9	1·8	22·9	0·8	20·8	1·6	20
21	20·3	1·9	21·8	1·1	22·5	2·4	21·2	1·9	22·4	1·5	19·3	1·8	22·9	0·8	20·2	1·2	21
22	20·1	1·9	21·2	1·2	22·3	2·2	21·5	1·9	22·2	2·1	18·4	2·0	22·6	0 6	19·7	1·4	22
23	20·9	1·7	21·3	1·2	22·1	2·1	21·9	1·8	22·3	2·3	19·0	1·8	22·5	0·5	19·6	1·4	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

MAY 1936.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	19·0	1·2	19·8	0·9	19·9	1·5	19·1	1·1	19·7	1·4	21·9	1·7	21·2	0·9	21·0	1·8	Midnight
1h	18·5	1·3	19·7	1·3	19·3	1·2	19·1	1·1	20·0	1·2	21·9	1·6	21·3	1·0	21·0	2·0	1h
2	18·6	1·4	19·2	1·2	19·3	1·1	18·7	1·1	20·2	1·2	21·8	1·5	20·7	0·9	21·0	2·0	2
3	19·0	1·0	19·1	1·0	19·1	1·1	18·6	1·0	20·3	1·1	21·5	1·4	20·3	0·9	20·2	1·5	3
4	19·7	1·0	18·7	1·4	18·9	1·2	18·1	0·9	20·4	1·2	21·7	1·4	21·0	1·1	19·4	1·3	4
5	20·2	0·9	18·2	1·0	18·3	1·1	18·2	1·0	20·7	1·1	21·3	1·2	20·9	0·9	19·1	1·1	5
6	21·2	0·6	18·1	1·0	18·1	1·0	18·0	1·0	20·7	1·4	21·3	1·1	21·1	1·0	19·1	1·2	6
7	21·2	0·4	18·8	1·1	18·7	0·7	18·7	1·2	20·2	1·1	21·7	1·5	21·1	1·0	19·0	1·0	7
8	23·0	1·0	22·3	1·3	22·1	1·5	22·0	1·4	21·9	1·7	22·6	2·2	21·8	1·6	22·1	2·0	8
9	25·0	2·0	24·1	2·4	24·3	2·4	24·1	2.4	24·1	3·1	22·8	2·2	23·8	2·6	23·7	2·9	9
10	26·6	3·0	25·9	3·6	25·6	4·3	24·9	3·7	25·3	4·3	23·1	2·0	24·7	3·1	24·9	4·2	10
11	26·4	2·8	26·9	4·0	26·3	5·0	25·8	4·3	26·1	5·2	22·7	1·0	25·3	4·3	25·3	4·6	11
Noon	27·4	3·7	27·7	4·9	27·2	4·7	26·9	5·0	26·8	5·6	24·0	1·9	25·8	4·2	25·4	4·8	Noon
13h	27·1	3·3	27·7	4·6	27·1	4·1	25·8	3·7	26·7	5·5	24·2	2·2	25·8	4·7	25·6	5·0	13h
14	24·3	1·5	27·5	4·4	26·1	2·5	25·8	3·3	25·9	4·2	24·2	2·1	24·9	3·7	25·3	5·0	14
15	25·9	3·1	26·6	3·8	25·2	2·8	25·3	3·5	25·4	3·8	24·9	3·0	23·5	1·5	24·9	5·0	15
16	25·8	3·3	26·7	3·8	25·1	2·6	25·1	3·5	24.9	3·3	24·0	2·0	23·7	2·4	24·1	4·6	16
17	25.0	2·6	25·3	2·6	25·0	3·0	23·0	1·9	23·6	2·5	23·0	1·2	23·0	2.0	23·2	3·4	17
18	24·1	2·0	24·6	2·3	23·7	1·7	22·9	1·8	22·5	1·9	22·2	1·1	22·0	1·5	22·0	2·2	18
19	23·1	1·3	23·0	1·9	22·4	1·4	22·4	1·5	22·1	1·8	21·9	1·1	21·0	1·2	20·9	1·7	19
20	22·1	1·3	22·2	1·4	21·4	1·2	21·9	1·7	22·0	1·3	21·6	0·9	20·9	0·9	20·0	1·0	20
21	21·0	1·3	22·0	1·9	20·8	1·2	21·2	1·7	22·0	1·1	21·8	0·9	21·1	1·1	20·0	1·2	21
22	20·4	1·3	21·3	1·3	20·2	1·2	21·2	1·9	21·6	1·3	21·4	0·9	21·4	1·6	19·7	1·2	22
23	20·4	1·2	20·2	1·1	19·7	1·4	20·4	1·4	21·7	1·1	21·3	1·1	21·2	1·3	19·3	1·0	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d		30d.				Mean		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess Air over Evap.	
Midnight	18·8	0·8	16·4	1·0	17·2	0·9	20·7	0·9	21·2	3·1	19·8	3·6	18·3	1·8	20·5	1·8	Midnight
1h	18·2	1.0	16·1	0·9	17·2	0·7	20·2	0·6	20·7	2·5	19·0	3·1	18 8	1·8	20·1	1·6	1
2	18·5	0·7	16·0	1·0	18·0	0·9	20 0	0·9	20·7	2·6	18·9	2·0	18·6	2·6	20·0	1·6	2
3	17·8	1·1	16·5	1·1	18·0	0·8	19·6	0·7	21·0	3·7	19·0	2·2	17·5	2·5	19·9	1·6	3
4	17·2	1·1	18·0	1·4	17·1	1·0	20·0	1·0	20·9	3·1	18 8	2·0	16·0	1·7	19·8	1·5	4
5	17·0	1·0	17·1	1·2	16·9	0·9	19·8	1.6	20·3	2·9	18·0	1·9	15·3	2·1	19·5	1·5	5
6	17·0	1·0	17·0	1·4	16·4	0·6	19·7	1·6	21·0	3·7	18·1	1·5	16·0	2·0	19.5	1·5	6
7	16·3	1·0	17·3	1·6	16·6	0·9	19·8	2·0	21·1	4.6	18·3	1.4	16·4	1·4	19·9	1·6	7
8	20·0	1·2	20·9	2·4	19·2	1·2	21·7	3·1	22·1	5·4	20·6	2·4	18·3	2·7	22·0	2·4	8
9	23·0	4·1	23·0	3·7	21·2	0·8	23·2	4·0	23·3	5·3	22·7	4·4	21·8	4 5	23·7	3·4	9
10	24·1	5·1	24·1	5·1	23·0	2·3	24·1	5·2	24·0	5·9	23·4	5·4	23·0	5·8	24·8	4·4	10
11	25·0	6·0	25·0	6·5	23·7	2·6	24·7	5·7	24·0	5·0	23·9	5·8	23·7	5·2	25·4	4·8	11
Noon	25·3	6·0	25·5	6·7	24·2	3·3	25·0	5·4	24·2	5·5	23·0	6·0	24·0	5·9	25·6	4·8	Noon
13h	25·6	6·2	25·6	6·2	25·1	4·1	25·1	5·1	23·7	5·1	23·8	6·8	24·0	6·0	25·8	5·1	13h
14	25·0	5·8	25·3	6·1	24·8	4·0	25·1	5·8	24·1	5·7	24·0	6·3	24·0	6·1	25·5	4·7	14
15	24·9	5·1	25·2	5·8	24.9	4·0	24·8	5·1	23·1	3·5	23·6	6·0	23·5	5·7	25·2	4·5	15
16	23·7	4·6	24·9	5·4	25·4	4·4	24·2	4·3	23·0	4·2	22·3	4·3	21·0	2·9	24·5	3·9	16
17	22·3	3·2	22·7	3·5	23·2	2·2	21·1	1·0	21·3	2·7	22·1	4·9	21·7	3·8	23·6	3·3	17
18	20·3	2·0	20·1	1·1	21·1	0·5	20·9	0·9	20·9	2·6	20·0	3·0	20·5	2·5	22.4	2·4	18
19	19·3	1·5	20·0	1.2	20·9	0·8	20·6	0.7	20·2	2 3	19·4	2·5	19·8	2·1	21·6	2·0	19
20	18·2	1·1	19·2	1·0	20·3	0·3	20·6	0·9	20·2	2·4	18·9	2·6	18·8	2·3	21·2	1·8	20
21	18·0	1·1	19·0	1·2	20·7	0·7	21·0	2·0	21·0	4·0	18·4	2·6	19·6	2·7	21·0	1·8	21
22	17·2	1·0	18·0	1·0	20·6	0·7	21·0	1·7	20·0	3·9	16·3	1·5	18·0	2·8	20·6	1·8	22
23	17·0	1·0	17·6	1·9	20·2	0·5	21·0	2·1	19·0	3·0	17·6	2·7	17·6	2·5	20·5	1·8	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during MAY 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

MAY 1936.

Hour \ Day	1d. Dir.	1d. Vel.	2d. Dir.	2d. Vel.	3d. Dir.	3d. Vel.	4d. Dir.	4d. Vel.	5d. Dir.	5d. Vel.	6d. Dir.	6d. Vel.	7d. Dir.	7d. Vel.	8d. Dir.	8d. Vel.	9d. Dir.	9d. Vel.	10d. Dir.	10d. Vel.	11d. Dir.	11d. Vel.	12d. Dir.	12d. Vel.	13d. Dir.	13d. Vel.	14d. Dir.	14d. Vel.	15d. Dir.	15d. Vel.	16d. Dir.	16d. Vel.
Midnight	11	2·5	11	2·2	11	2·8	11	1·6	12	3·1	10	2·5	11	2·0	11	1·4	10	2·1	11	2·5	11	2·7	10	4·0	11	3·5	10	2·7	13	0·7	09	3·0
1h	11	3·5	11	2·0	10	2·8	11	1·5	10	1·9	10	2·2	11	2·0	11	1·8	11	1·9	11	2·6	09	3·8	10	3·7	12	2·9	09	2·3	13	1·0	06	2·8
2	11	3·3	11	1·6	11	1·8	11	1·8	10	1·6	10	2·7	11	1·5	11	1·5	11	1·5	12	3·0	09	3·7	11	3·7	12	2·2	08	2·5	13	1·5	07	1·6
3	11	2·9	11	1·8	11	2·1	12	1·0	12	3·1	12	2·9	11	1·5	11	2·1	11	2·0	12	2·5	09	3·8	11	3·7	12	2·4	12	2·3	13	1·7	07	1·9
4	11	3·1	11	1·9	11	2·1	13	1·1	11	3·0	11	2·9	11	1·3	11	1·3	11	2·4	12	2·2	11	3·1	11	4·0	11	2·0	11	1·6	13	1·2	08	2·0
5	11	3·9	12	1·5	11	2·1	13	1·4	11	1·9	11	3·5	13	1·8	11	2·0	11	1·7	10	3·0	12	3·3	11	2·7	11	2·2	11	1·8	15	1·4	08	1·7
6	10	2·0	12	2·0	11	2·4	13	1·7	11	2·3	11	2·8	12	1·3	12	1·8	11	2·5	11	1·8	12	3·1	11	2·5	11	2·6	11	2·0	15	2·0	08	1·4
7	11	3·9	11	2·3	11	2·9	13	1·6	10	2.6	11	3·8	11	2·1	12	1·9	11	1·9	11	2·0	11	2·4	11	2·2	11	1·9	11	2·6	15	1·4	07	1·3
8	11	2·5	10	4·2	11	3·5	10	2·8	10	3·2	10	3·8	11	2.1	12	2·6	10	2·5	11	3·5	11	3·0	11	3·5	11	1·7	11	2·8	15	1·5	06	1·2
9	10	5.6	10	4·7	08	5·1	12	3·1	11	3·8	09	5·6	09	4·3	10	3.7	11	4·0	09	4·1	10	4·7	10	4·9	08	3·5	10	4·5	12	4·7	03	3·9
10	09	5·3	11	5·4	08	4·9	09	2.0	10	5·5	10	6·9	09	4·5	12	4·8	10	4·5	10	4·6	11	5·5	10	5·8	09	4·4	10	5·8	13	4·7	03	3·7
11	11	6·5	08	5·5	08	5·2	10	3·6	12	6·3	11	6·7	11	4·6	11	4·4	11	5·4	10	4.6	11	5·8	09	4·9	07	4·7	09	5·2	13	5·0	02	3·9
Noon	11	6·0	08	6·0	07	5·0	11	4·2	09	5·7	10	6·7	11	4·8	11	5·8	08	5·8	11	4·6	10	6·5	07	4·9	11	5·0	09	4·9	13	5·0	01	3·2
13h	09	5·9	09	5·7	07	6·0	10	3·9	11	6·4	09	6·6	09	5·1	12	5·4	09	5·8	10	4·4	10	6·4	09	4·6	06	5·2	10	4·4	13	4·5	01	3·5
14	10	5·0	12	5·3	08	4·9	11	4·1	12	5·9	10	6·3	09	5·4	12	5·0	10	5·4	10	3·7	12	6·6	10	4·5	07	4·3	09	4·4	15	4·4	02	2·6
15	10	4·8	12	5·6	08	5·7	10	4·2	12	5·2	09	5·8	09	5·8	12	5·0	11	6·0	10	4·2	10	6.3	10	5·4	08	5·2	12	3·7	14	3·7	01	2·9
16	11	3·2	06	4·6	07	5·2	11	4·1	11	5·2	12	5·5	11	5·4	11	5·0	10	5·6	09	3·7	09	5·3	10	3·9	08	4·9	10	3·5	12	3·4	01	3·0
17	12	2·9	10	3·9	10	5·3	12	3·7	12	4·1	09	4·9	10	3·7	11	4·1	10	4·5	11	2·2	10	4·0	12	3·1	08	4·0	10	2·7	11	3·4	02	2·0
18	11	2·6	08	2.8	10	3·0	12	1·9	11	2·7	11	4·4	11	3·2	12	2·6	11	2·4	11	2·1	11	3·5	10	3·1	09	3·4	12	1·3	12	1·8	02	1·1
19	09	3·5	08	2·0	10	2·8	12	1·6	11	2·2	11	2·2	11	2·6	12	2·6	11	2·0	11	2·6	10	4·2	11	3·4	09	2·7	12	1·2	12	1·8	02	1·1
20	12	2·8	09	1.3	11	2·6	11	1·8	10	3·5	10	4·0	11	1·5	08	2·3	10	2·0	10	1·4	10	3·4	11	2·9	07	2·7	12	1·3	10	2·8	07	1·6
21	11	2·4	11	2·0	11	2·0	11	1·9	11	2·8	10	3·1	11	1·9	12	2·1	10	1·6	11	2·1	10	3·0	10	3·4	09	3·1	12	1·2	10	2·4	11	1·4
22	12	3·2	11	2·2	11	1·8	11	2·0	11	3·2	11	3·9	11	1·3	11	2·1	11	1·9	11	2·3	11	5·1	10	3·8	10	3·4	12	1·4	10	3·3	11	1·3
23	12	3·2	11	2·3	11	2·1	11	3·5	10	3·6	11	2·4	11	1·5	10	2·7	11	2·3	11	1·9	11	3·8	10	3·4	10	3·2	13	1·1	08	3·4	11	1·5

Hour \ Day	17d.* Dir.	17d.* Vel.	18d.* Dir.	18d.* Vel.	19d.* Dir.	19d.* Vel.	20d.* Dir.	20d.* Vel.	21d* Dir.	21d* Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. Dir.	24d. Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. Dir.	28d. Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	31d Dir.	31d Vel.	Mean Velocity
Midnight	11	1·8	15	1·2	11	1·2	11	1·2	11	1·5	11	3·0	08	1·4	12	3·7	13	0·7	11	2·1	12	2·1	09	4·2	11	6·0	11	2·2	13	2·1	2·4
1h	11	1·7	15	1.8	11	1·3	07	1·2	11	0·7	11	3·1	11	2·9	12	3·2	13	1·2	11	2·1	12	2·1	09	2·7	10	5·4	10	2·4	15	1·5	2·3
2	11	1·5	15	1·7	11	1·5	07	1·5	11	0·6	11	2·8	12	4·2	12	3·4	12	1·4	11	1·3	12	1·9	10	2·6	10	4·7	10	2·0	12	3·6	2·3
3	11	1·3	15	1·6	11	1·9	07	2·0	d20	0·8	10	2·4	12	4·5	11	2·2	12	1·8	11	2·9	13	2·1	11	2·3	10	4·5	10	2·0	12	2·8	2·3
4	11	1·2	15	1·2	11	1·8	07	2·3	20	0·7	10	2.9	11	4·0	11	1·9	13	2·0	12	2·5	13	0·7	11	2·3	11	5·0	12	1·6	13	1.8	2·2
5	11	1·3	15	1·5	11	1·6	07	1·9	r10	1·9	10	2·4	10	2·7	12	2·9	12	1·1	12	1.9	13	1·4	11	4·6	10	4·9	12	1·9	13	2·0	2·3
6	r31	1·4	15	1·2	11	1.8	07	2·3	11	2·2	10	3·3	10	2·4	12	3·2	13	1·9	12	2·4	15	1·5	11	3·2	10	6·4	12	2·1	14	2·1	2·3
7	d07	1·5	15	1·5	11	1·3	07	1·9	11	1·2	12	3·3	10	2·3	12	2·4	13	1·8	12	2·3	12	0·6	10	3·7	09	6·5	12	1·9	15	1·9	2·3
8	13	1·1	15	1·1	11	1·1	07	0·8	11	1·8	11	4·7	11	2·9	12	2·8	13	1·5	12	1·8	12	0·6	09	5·0	09	4·5	11	2·3	15	1·7	2·5
9	13	1·8	15	0·7	11	1·4	07	1·7	12	2·4	11	5.3	11	4·1	12	4·1	12	2·9	11	3·0	12	1·1	10	5·6	09	5·8	09	4·7	13	2·5	3·8
10	d26	3·7	04	0·8	07	1·8	09	1·5	12	4·3	10	4·4	12	4·6	10	4·7	13	3·7	10	3·7	11	2·4	10	6·8	09	6·6	11	6·6	13	4·4	4·5
11	25	3·9	r28	2.0	06	1·9	07	1·4	12	4·4	09	2·5	10	4·8	09	4·8	09	3·8	12	3·7	07	2·3	09	6·1	09	6·8	10	6·9	12	5·0	4·6
Noon	26	3·4	25	2·6	03	2·1	08	1·8	11	4·4	12	5·7	10	4·9	09	4·7	10	3·2	12	3·0	10	2·9	08	5·4	09	6·9	09	5·9	12	4·5	4·7
13h	21	4·4	27	2·8	06	2·8	r28	3·0	09	4·4	11	5·8	10	4·4	12	4·9	11	3·7	10	3·6	11	3·1	12	5·5	09	7·2	10	5·8	10	4·6	4·8
14	22	3·4	28	2·4	06	1·4	27	1·8	09	4·7	09	5·7	12	5·0	12	4·9	10	3·6	10	3·5	09	3·5	10	5·7	12	7·1	10	6·0	12	4·3	4·5
15	20	3·1	23	2·9	d22	2·1	26	2·0	11	4·7	09	5·9	10	3·2	09	4·9	10	3·3	10	2·8	08	3·2	09	5·4	10	6·6	11	5·4	12	4·2	4·5
16	22	3·4	27	1·5	24	1·8	24	1·2	11	4·2	10	4·4	11	2·8	09	4·4	12	3·2	11	2·4	10	2·9	09	4·6	11	6·7	11	4·5	12	3·3	4·0
17	23	1·7	d03	1·1	21	1·7	r13	2·3	11	4·2	11	3·4	11	4·5	10	3·2	12	2·1	11	2·1	10	3·5	11	3·6	11	5·0	11	3·2	11	4·0	3·4
18	19	2·5	r23	1·0	21	1·1	11	1·9	11	4·0	10	3·1	11	3·4	10	1·6	11	1·8	11	1·5	11	2·8	10	3·7	10	4·5	11	2·1	12	1·7	2·5
19	19	1·1	r15	1·3	r11	1·1	11	1.6	11	3·8	10	3·6	10	4·6	11	2·0	11	2·3	11	1.8	11	2·2	10	4·4	10	4·2	11	1·8	12	1·0	2·4
20	19	0·9	15	1·0	11	1·7	11	1·8	11	3·9	10	3·0	10	3·4	11	1·3	11	2·0	11	1·9	11	2·3	10	4·2	10	3·8	11	2·2	12	0·8	2·3
21	19	0·9	15	1·3	11	1·8	13	2.1	11	3·0	11	3·0	11	3·5	12	1·8	11	1·9	11	1·8	12	2·3	10	5·1	11	3·8	11	2·3	12	1·8	2·3
22	r08	1·4	11	1·8	11	1·4	13	2·8	11	3·6	11	3·1	12	4·2	12	2·3	11	2·6	11	1·8	11	2·6	09	4·9	11	3·2	12	1·7	12	1·8	2·5
23	15	1·0	11	1·2	11	1·3	11	2·2	10	3·1	11	1·9	12	3·3	12	1.3	11	1·4	11	1·7	06	2·4	10	6·2	11	2·4	12	1·9	12	1·3	2·4

TABLE XIII,—WIND FREQUENCY (NUMBER OF OBSERVATIONS), MAY, 1936.

Force (0–12)				Direction															
Hour	8 or above	4 to 7	0 to 3	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W	W.S.W.	W.	W.N.W.	N.W.	N.N.W
3	...	...	31	...	...	...	...	3	3	23	...	1	...	1	...	...	...	...	...
9	...	4	27	...	...	1	...	8	7	14	...	1	...	...	...	...	...	...	...
15	...	8	23	1	...	...	...	8	9	8	1	...	..	1	1	1	1	...	...
21	...	...	31	...	...	...	...	1	6	22	...	1	...	...	1	...	...	...	...
Totals	...			1	...	1	...	20	25	67	1	3	.	2	2	1	1	...	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MAY 1936.

Day. / Hour.	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
	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	mm	mm
1h	...	...	...	...	0.1	...	...	..	...	...	...	...	...	...	..	0·4	...	...	...	...	...	...	...	..	...	...	...	0·2	0·1	...	..
2	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	0.2	...	...
3	...	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	..	...	...	...	1.1	..	...	...	...	...	0·2	...	...
4	...	...	...	...	...	...	...	...	...	..	1·2	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	..	...	...	0·1	...	...
5	...	...	...	...	0.1	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	0.1	...	...	..	...	0·1	...	...	...
6	...	...	...	...	...	...	...	0.1	...	0·1	..	...	...	...	...	...	0·8	...	...	...	...	...	0·2	...	...	...	..	0·1	...	...	...
7	...	...	...	...	...	...	...	...	...	1·6	...	...	0·1	..	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	..	...
8	...	..	...	...	...	...	..	...	0·2	0·9	...	...	...	...	...	...	0·2	...	..	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	..	...	0·2	...	...	...	...	1·2	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	..	...
10	...	...	...	...	0·1	...	...	...	...	1 0	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	..	0·1	...	...	...	...
11	...	...	...	...	...	..	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	3·4	...	...	...	...	...	...	..	...	...
Noon	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	..	...	...	...	...
13h	...	...	...	...	...	...	0·3	...	..	0·1	...	0·1	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	0·1	...	...	0·1	...	..	0·2	...	...	...	0·5	...	...	...	...	...	...	...	..	...	...	...	...	...	...
15	...	...	..	...	...	...	0·1	...	...	...	...	...	..	...	...	...	...	...	0·1	..	...	...	0·7	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	1·0	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0·1
17	...	...	...	...	...	...	...	...	...	...	..	0·4	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·1	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	0·2	0·4	...	...	..	..	...	...	...	...	0·4	...	..	...	...	0.9	0·9	...	0·1	0·1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	..	...	...	...	...	...	0·1	...	...	...	...	0·1	5·2	...	...	...
20	...	...	...	...	...	...	..	1.0	...	0·8	...	..	...	...	15·0	...	...	...	...	...	...	0·1	...	...	...	...	0·7	1·5	...	...	...
21	...	...	0·1	...	...	...	...	...	...	0·1	...	...	...	...	0·1	...	...	...	...	...	0·4	0·3	...	...	...	...	0·3	0·8	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	..	...	...	0·3	.	...	...	...	...	0.1	0·1	...	...	...	...	...	...	...	...	..
23	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
24	...	...	...	...	...	...	...	0·1	...	...	...	..	...	..	0·2	...	...	...	...	...	...	1·0	..	...	...	...	.	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR MAY 1936.

Day. / Hour.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20	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	mm	mm	mm	mm
1h	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	...	0·5	0·8	...	...	...	...	0.1	...	..	...
2	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	0·6	...	...	...	...	...	0·4	5·0	...	...	...	...	...	...	...	...
3	...	...	...	..	...	...	...	...	...	...	.	0·3	...	...	...	1·2	...	...	...	...	...	0·3	5·8	...	...	...	...	...	..	...	...
4	...	...	...	..	1·3	..	...	...	0·4	...	1·3	..	...	...	...	0.3	...	...	...	...	...	...	1·3	...	...	...	...	...	...	0·4	...
5	0·2	...	...	..	1·5	...	...	..	2·8	0.9	...	...	...	...	...	..	0·2	..	...	...	...	0·1	0·5	...	...	...	...	...	0·3	...	...
6	0·4	...	...	..	...	...	...	...	0·5	1·7	...	...	...	...	...	0·1	0·3	...	...	...	...	...	0·4	...	...	...	..	...	...	...	...
7	...	...	...	..	...	...	...	...	0·5	1·7	...	...	0·8	...	...	...	1·0	..	...	...	...	0·3	0·9	...	...	...	..	...	...	...	...
8	0·2	...	...	0·6	..	..	...	...	...	1·0	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	0·2	...	...	...	0·1	...	...	...	0·6	1·6	...	...	...	...	...	...	0·8	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	..	3·2	...	...	...	...	...	...	...	...	...	...	...	2·8	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	5·0	.	...	...	...	1·4	...	...	...	...	0·1	...	...	...	...
Noon	...	...	...	0·1	...	...	...	...	...	0·4	...	0·1	...	...	...	..	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	0·8	...	...	...	...	0·2	...	...	...	...
14	...	...	...	...	...	...	0·6	...	...	0·6	.	0·2	...	...	...	...	0·4	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	..	...	..	...	...	...	...	..	..	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	1·0	0·2	...	0·4	...	...	...	0·4	0·1	...	...	...	...	...	...	.	...	...	...	...	...	0·1
17	...	...	...	...	...	...	...	...	...	0·3	1·1	1·4	0·3	...	..	...	0·1	0·4	...	...	...	...	...	...	...	...	..	1·4	...	...	0·7
18	...	...	...	...	...	..	...	...	...	0·4	...	0·4	0·5	...	0·4	...	0·2	...	...	...	...	...	...	...	...	...	1·2	0·6	0·3	...	...
19	...	...	...	..	...	...	...	0·2	...	0·9	0·6	...	0·5	...	0·7	...	...	...	...	...	0·2	0.1	...	...	...	...	0·6	1·2	...	...	...
20	...	..	...	0·2	...	...	...	...	0·1	0·2	0·4	...	0·8	...	1·5	...	...	...	...	...	0·2	0·1	...	...	...	...	0·2	1·0	0·1	...	...
21	...	...	...	...	...	...	...	...	...	0·5	..	...	3·7	...	1·2	...	...	...	...	...	0·4	0·7	...	...	...	..	0·9	...	...	...	...
22	...	...	0·2	...	...	...	...	0·1	...	...	...	...	0·3	...	0·6	...	...	...	..	...	0·8	0·1	...	...	...	...	0·7	0·8	...	...	...
23	...	...	...	0·2	...	...	...	...	0·3	...	...	...	...	...	0·9	...	...	..	...	...	0·2	...	...	...	...	...	0·1	0·4	..	...	...
24	..	...	...	0·1	...	...	...	0.9	...	...	...	...	...	...	0·6	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	0.1	...

TABLE XV—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF MAY 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	3·32	84·3	5·52	8
	St. Antoine	50	4·66	118·4	4·41	10
	Belmont	50	4·58	116.3	4·27	10
	Poudre d'Or	20	5·08	129·0	4·22	10
	Mon Loisir S. E.	300	6·33	160·8	5·61	14
	Forbach	300	3·04	77·2	4·63	11
*	Couroupa...	...	4.64	117·8	7·08	14
*	Labourdonnais	290	3·78	96·0	4·90	8
	Mapou (Water Office) ...	...	2·62	66·6	...	5
	Beau Séjour	300	4·57	116·1	6·13	15
	Mont Piton	650	4·59	116·6	5.64	12
	Mon Choix	700	3·59	91·2	5·18	13
	Antoinette	640	...	...	6·13	...
	Mon Songe	620	4·56	115·8	6.29	19
	Botanical Gardens... ...	325	4·24	107·7	4·57	18
*	The Observatory	179	2·10	53·3	3.92	21
	Solitude	175	2·84	72·1	3·62	11
	St. André (Cour)	90	2·28	57·9	4·10	5
	La Nicolière	...	5·74	145·8	10·30	16
	California	...	4·65	118·1	6·06	14
	Australia	...	4·68	118·9	...	12
2 & 3	Union Régnard S.E.(Flacq)...	600	6·83	173·5	7·66	17
	Constance d'Arifat L.G. ...	100	4·04	102·6	5·93	13
	Rich Fund	600	5·52	140·2	8·61	20
	La Joffrette	...	7.10	180·3	...	11
	Belle Vue (Allendy) ...	...	4·94	125·5	7·62	15
4	Sans Souci	900	15.46	392·7	13·54	19
	Beau Champ (G.R.S.E.) ..	20	3·92	99·6	5·79	12
	Olivia	400	7·33	186·2	10.30	17
	Trois Ilots	...	7·19	182·6	..	14
	Belle Rive	400	8·60	218·1	13·65	21
	Sébastopol	700	12·07	306·6	...	18
	Bonne Veine	400	11·26	286.0	10·27	20
5	Rose Belle	850	10·11	256·8	14·83	18
	New Grove	650	9·52	241·8	...	15
	Mon Trésor	...	5.76	146·3	...	10
	Mon Désert (Carié) ...	75	4·33	110·0	7·10	14
	Ferney	20	3.81	96·8	9·45	12
	Sauve Terre	...	4·35	110·5	...	13
6	Tivoli	1,300	8·62	218·9	13·67	25
	La Flora...	1,050	8·47	215.1	14·06	21
	Riche Bois (Brit.) ...	650	6·25	158·8	8·92	17
	Britannia (Estate) ...	700	6.79	172·5	10·55	17
	Savannah (Mill) ...	200	4·27	108·5	7·87	13
	St. Aubin	300	5·52	140·2	6·75	12
	St. Avold	900	8·64	219·5	11·59	22
	Colmar	400	5·71	145·0	8·30	12
	Union S. E.	...	6.69	169·9	7·17	10
	Fontenelle	320	8·12	206·2	7·24	10
	Choisy	200	2·99	75·9	6·20	14
	Beau Bois	...	7·98	202·7	9·00	14
	Bel Air	...	6·80	172.7	6·74	10
	St. Félix	...	6·63	168·4	...	7
7,8,9&10	Bel Ombre	40	3·51	89·2	6·16	12
	Beau Champ (B. du Cap)	70	3·78	96·0	6·03	10
	Frédérica	...	4·88	124·0	6·84	12
	Pierre Fond	...	1·31	33·3	4·43	13
	Ste. Marie	...	5·58	141·7	...	10
	Hussonia Limited ..	...	0·81	20·6	...	5
11	Curepipe Gardens ...	1,840	9·11	231·4	9·58	31
	Mare aux Vacoas (G.E.)	1,850	6·92	175·8	13·23	22
	Mare aux Vacoas (Arn.)	1,830	8·61	218·7	12·74	22
	La Marie Filter Bed ..	1,700	5·97	151·6	7·89	18
*	Sophie	...	9.30	236·2	...	26
	Réunion	1,420	4·69	119·1	6·28	17
*	Aerological Station ...	1,393	3·81	96·9	7·75	23
	Phœnix	...	...	...	5·30	...
	Quatre Bornes... ...	...	...	.	...	...
12	Quatre Bornes (Board) ...	1,090	1·85	47·0	...	12
*	Le Réduit (D. of A.) ...	1,000	2·41	61·2	3·62	28
	Alma...	1,460	10·27	260·9	10·15	16
	Bagatelle	1,250	5·04	128·0	5·31	15
	Highlands	1,300	4·59	116·6	6·11	17
	Trianon	950	2·68	68·1	4·00	15
	Val Ory	1,100	2·62	66·5	4·50	17
	Bassin	...	1·14	29·0	4·90	12
	Hermitage	1,450	9·90	251·5	9·65	17
	Ebene	...	2·75	69·9	...	14
	Bega...	...	2.10	53·3	...	14
	Mon Rêve	...	2·85	72·4	...	14
	Mont Pevril	...	3·24	82·3	...	14
	Minissy	1,150	3·44	87·4	5·30	15
	Plaisance	...	3·25	82·6	...	0
	La Ferme	350	0·54	13·7	3·30	

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of MAY 1936.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	...	...	...	...	...	...	..	...	...	...	...	...	...
2	...	...	...	...	...	...	...	..	...	...	..	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	..	...	...	...
5	10¼	90	20·3	75	15·2	285	..	...	...	...	...	300	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	11¼	90	...*	...	...*	...	...	...	...	...	...	...	...
8	11¼	105	...*	120	...*	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	..	...	...	...	...	...	...
10	...	...	..	...	...	.	...	...	...	...	...	...	...
11	11	120	...*	110	...*	...	...	...	...	...	...	...	...
12	12	105	...*	105	...*	...	...	...	...	...	...	...	...
13	11	110	..*	105	.*	...	..	..	...	...	...	...	...
14	..	...	..	..	...	...	...	...	...	...	...	...	...
15	10	120	31·8	120	15·4	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	..	...	...	..
17	...	...	..	...	...	...	...	...	...	...	...	...	...
18	11¼	165	...*	150	...*	...	...	...	...	...	...	...	...
19	11¼	...	...	240	...*	...	...	...	...	300	...*	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	..	...	...	...	..	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	..	...	...	...	...	...	...	...	...	...
26	...	...	...	...	..	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	..	...	...	...	...	...	...	...
30	11	117	17·3*	100	14·6*	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	14¼	...	...	90	16·8	...	..	...	...	..	...	270	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	13¾	...	...	90	6·1	...	...	...	...	..	..	285	...
5	14¼	...	..	90	11·6	330	...	...	...	...	...	...	...
6	...	.	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	..	...	...	...	...
9	...	...	...	..	...	...	...	..	...	...	...	...	...
10	...	...	...	...	..	...	...	...	...	...	...	...	...
11	...	...	...	...	...	..	...	...	...	...	...	...	...
12	..	...	...	...	...	...	...	...	...	...	...	...	...
13	13¾	...	...	122	...*	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	..	...
15	14¼	142	...*	140	...*	...	...	...	...	...	...	...	...
16	12¼	30	...*	05	...*	...	...	...	...	...	...	60	...*
17	...	...	..	...	...	...	...	...	...	...	.	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	..
20	...	..	...	...	...	...	...	...	...	...	...	...	...
21	13¾	140	.*	150	...*	...	...	...	...	...	..	...	...
22	...	...	...	..	...	...	...	...	...	...	...	...	...
23	13½	150	2·7*	118	8.6*	...	...	...		...	...	...	...
24	...	...	...	...	...	..	...	...	...	..	...	...	...
25	...	..	...	...	...	...	...	...	...	...	...	...	...
26	14½	180	5·8*	163	6·9*	...	...	.	...	..	...	...	...
27	13¾	82	7·3*	115	7·7*	...	...	...	...	...	...	...	...
28	13½	90	21·2*	...	...*	...	...	...	...	...	...	..	...
29	12¼	118	16·7*	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	.	...	...	...	...	...	..	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec.

* Observatory Pamplemousses.

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NEW SERIES (MONTHLY) VOL. XXII. PART 6. PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JUNE, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1937

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF JUNE 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HRz: 10000	ZRz: 10000
JUNE								
1	13° 10·8	·22498	·29698	5·8	64	19	144	56
2	10·8	505	694	5·0	57	24	128	71
3	10·8	487	700	4·0	68	10	153	30
4	10·7	499	692	5·3	40	32	90	95
5	10·7	497	693	4·5	22	18	49	53
6	10·6	507	693	3·3	27	18	61	53
7	11·1	512	692	5·0	23	22	52	65
8	10·5	508	689	4·0	47	25	106	74
9	11·3	485	691	4·5	75	17	169	50
10	10·4	488	690	6.0	55	18	124	53
11	10·7	488	691	4·5	30	20	67	59
12	11·0	492	690	4·5	24	18	54	53
13	11·0	495	688	4·8	33	25	74	74
14	10·8	491	692	4·0	33	14	74	42
15	10·7	487	689	5·5	30	33	67	98
16	10·5	487	690	6·5	29	21	65	62
17	10·8	490	688	4·7	23	25	52	74
18	11·2	495	686	5·0	34	33	77	98
19	10·6	418	698	13·0	172	23	385	68
20	11·4	455	692	3·0	68	24	153	71
21	11·3	470	689	6·5	48	25	108	74
22	11·0	481	688	4·3	32	18	72	53
23	11·5	486	688	4·0	35	16	79	48
24	11·4	493	689	4·5	30	14	68	42
25	11·2	491	687	3·5	23	16	52	48
26	11·2	499	682	5·0	41	23	92	68
27	11·7	485	684	4·5	25	21	56	62
28	11·3	498	681	4·3	36	16	81	48
29	12·0	498	681	3·3	25	8	56	24
30	11·0	502	681	4·5	38	16	86	48
	...	...						
Mean	13° 11·00	·22490	·29690	4·91	42·9	20·4	96·5	60·5

Description of the Principal Magnetic Disturbances.

Declination.—1d. and 2d. Faint pulsations at times on the trace;
9d. Faintly disturbed. Frequent pulsations on the trace.
19d. Disturbed trace. Large fluctuations (max. 10′) with oscillations superposed

Horizontal Force.— 1d. Slightly disturbed — At 21^h30^m. sudden increase of (20γ) with partial recovery.
2d. Disturbed —Frequent rapid pulsations on a fluctuating trace.
8d. Second half : Faintly disturbed. Beginning of a moderately disturbed period.
9d. Moderately disturbed ; rapid oscillations on the fluctuating trace. At 2.30 sharp positive wave of (40γ).
10d. Slightly disturbed.
14d. and 15d. Slightly disturbed.
19d. Very disturbed. Large fluctuations in the trace with rapid oscillations superposed. Considerable increase in daily range (max. 188γ).
20d. Slightly disturbed.
26d. and 27d. Slightly disturbed.

Vertical Force.—1d. Minor pulsations at times.
2d. Frequent pulsations on an otherwise quiet trace.
9d. Slightly disturbed — Frequent pulsations on the trace.
19d. Disturbed — Considerable change in diurnal variation and range.
20d. Faint pulsations at times.
26d. Faint pulsations at times.

T=·37246 : Mean Dip=52° 51·40′ : (X=·21897 : Y=−·05129 : Z=·29690).

† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JUNE 1936.

Declination (West) Day and Hour	Declination (West) Observed Value	Horizontal Force Day and Hour	Horizontal Force Observed Value	Dip (South) Day and Hour	Dip (South) Observed Value	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
2·10.49	13·12·7	2· 8·53	·22502	2.11.47	52.48.12	·29685
9·12·43	13·10·3	4· 8·58	·22502	9·12·32	52·52·75	·29690
16·14·32	13·06·9	9·11·28	·22500	16·14·18	52·49·88	·29678
19·14·04	13·09·7	12 12·35	·22509	19·14·24	53·01·07	·29692
26·13·35	13·10·2	16 11·57	·22503	26·13.22	52·49·92	·29674
		24· 9·41	·22503			
		24· 9·08	·22487			

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

JUNE 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	10·7	12·0	12·0	11·0	10·7	10·5	10·7	10·2	11·0	10·7	12·0	11·0	11·0	10·5	11·0	12·3	Midnight
1h	11·0	11·0	12·3	11·0	11·0	10·5	10·7	10·5	10·7	10·5	11·0	11·0	11·0	11·0	11·5	11·7	1h
2	11·0	12·5	12·7	11·3	11·3	10·5	11·0	10·7	12·0	10·0	10·7	11·0	11·0	10·5	11·0	10.0	2
3	11·0	11·7	12·7	10·5	11·0	11·0	11·0	11·0	10·7	10·0	10·0	10·5	10·7	11·0	10·0	10·7	3
4	11·0	11·0	13·0	11·0	11·0	11·0	11·0	11·0	10·3	11·0	09·8	10·0	11·0	10·0	11·0	10.5	4
5	11·0	11·0	12·0	11·0	11·0	11·0	11·0	11·5	11·6	11·0	10·0	10·0	10·5	10·0	11·0	09·7	5
6	11·0	11·0	11·5	11·0	11·0	11·0	11·0	11·0	12·0	11·0	09·0	10·5	10·0	09·3	10·3	09.0	6
7	10·0	09·5	10·0	10·0	10·5	10·3	10·0	09·8	12·0	09·3	09·3	09·3	08·0	07·7	08·0	09·3	7
8	11·0	10·5	09·0	10·0	10·7	10·2	10·0	09·5	12·0	09·0	08·7	10·0	08·3	09·0	08·0	10·0	8
9	12·2	10·3	09·5	11·0	12·0	11·5	12·0	11·0	11·0	10·0	10·5	11·0	10·0	11·5	10·5	12·0	9
10	13·3	11·0	10·0	12·5	12·5	12·0	13·0	12·0	12·5	10·0	11·0	12·5	12·5	13·0	12·3	12.7	10
11	12·5	13·0	10·0	13·0	12·3	11·3	14·0	12·0	13·5	10·0	12·0	13·0	13·0	12·5	13·0	13·0	11
Noon	11·0	12·5	10·5	12·0	11·0	11·0	13·3	11·0	12·0	10·3	12·5	13·0	13·3	11·5	13·0	11·0	Noon
13h	09·0	10·5	09·7	09·5	09·5	10·0	11·5	09·7	10·5	08·0	11·5	12·0	12·0	11·0	10·0	09·5	13h
14	07·5	09·0	09·0	08·0	09·0	09·0	10·0	08·3	09·3	07·0	09·5	10·3	10·3	09·5	07·7	08·0	14
15	08·0	08·0	09·3	07·7	08·0	09·0	09·0	08·0	09·0	08·0	08·0	08·5	09·5	09·0	07·5	06·5	15
16	09·0	08·5	09·0	08·0	08·3	08·7	09·0	08·0	09·0	09·0	08·0	08·5	08·5	10·0	08·0	07·0	16
17	10·0	10·0	10·5	10·0	10·0	10·0	10·5	10·0	11·0	10·5	10·0	10·0	10·0	10·5	10·5	10·0	17
18	10·7	11·0	11·0	11·0	11·0	11·0	11·3	11·0	11·0	12·0	11·5	11·5	11·0	11·0	11·5	11·0	18
19	11·0	11·0	11·0	12·0	11·3	11·5	12·0	11·3	12·0	12·5	12·0	12·0	12·0	11·5	11·7	11·7	19
20	11·3	11·5	11·0	11·5	11·3	11·0	11·3	11·5	13·0	12·5	12·3	12·0	12·0	11·5	12·0	11·7	20
21	11·7	11·3	11·3	11·5	11·0	11·0	11·0	11·3	12.0	13·0	12·5	12·5	12·3	12·0	12·0	11·7	21
22	11·2	10·7	11·5	11·0	11·0	11·0	11·0	11·0	11·5	12·0	12·3	12·0	12·5	12·3	12·0	12.0	22
23	12·0	11·3	11·0	11·0	11·0	11·0	10·7	11·3	11·5	12·0	12·0	11·7	13·0	12·0	12·3	12·5	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	..	Mean	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	11·5	10·7	11·0	13·0	11·3	11·0	11·0	11·0	12·0	11.0	11·3	11·5	11·0	11·0	...	11·2	Midnight
1h	11·0	11·0	11·3	11·0	11·3	10·7	11·3	11.3	11·5	11·0	11·5	11·3	11·0	11·3	...	11·1	1h
2	11·5	11·3	11·5	11·3	11·0	10·7	11·5	11·0	11·7	11·0	11·7	11·0	11·0	11·0	...	11·1	2
3	11·0	11·0	10·5	10·5	11·0	11·5	11·5	11·0	12·0	11·0	12·0	11·3	11·0	11·0	...	11·0	3
4	10·0	10·7	09·5	10·7	11·3	11·5	11·5	11·7	12·0	11·3	11·7	11·0	11·0	11·0	...	11·0	4
5	10·0	11·0	11·0	10·7	11·5	11·5	11·5	11·5	12·0	11·3	12·0	11·0	11·0	11·0	...	11·0	5
6	10·5	11·0	11·3	11·5	11·3	11·0	11·5	11·7	11·7	11·3	12·5	11·0	11·0	11·0	...	10·9	6
7	11·0	10·0	08·0	10·0	11·5	10·0	10·0	10·0	10·5	10·5	10·5	10·7	11·0	10·5	...	09·9	7
8	10·5	10·0	02·5	10·5	12·0	10·7	10·0	10·0	10·0	10·5	10·7	11·0	12·0	11·5	...	09·9	8
9	12·0	12·0	06·0	12·0	14·5	12·0	11·0	10·5	11·0	12·0	12·0	12·5	14·0	12·3	...	11·3	9
10	12·0	13·3	06·0	13·0	14·3	12·3	13·0	11·5	12·0	12·5	12·5	13·3	14·3	12·5	...	12·2	10
11	12·7	13·0	07·5	13·5	13.0	12·0	12·7	12·5	12·0	13·0	13·5	13·0	14·0	12·0	...	12·4	11
Noon	12·0	13·0	09·0	13·0	11·0	11·3	12·5	13·0	11·7	12·3	13·5	12·0	14·0	10·5	...	11·9	Noon
13h	10·0	12·5	06·3	11·0	08·0	10·5	12·3	12·7	11·5	11·0	12·0	10·0	13·0	09·0	...	10·5	13h
14	09·0	11·0	10·0	10·0	08·0	09·0	11·5	11·0	11·0	10·0	10·5	09·0	12·0	08·0	...	09·4	14
15	08·5	09·0	11·5	10·0	08·0	08·0	10·0	09·0	09·0	08·0	09·5	09·3	11·0	08·0	...	08·7	15
16	08·0	08·3	10·5	10·0	09·0	08·0	09·0	08·5	08·5	08·5	09·0	09·7	11·0	08·5	...	08·8	16
17	10·0	10·5	15·0	11·0	11·0	11·0	10·5	10·5	10·0	10·0	11·0	10·0	11·5	10·5	...	10·5	17
18	11·5	11·5	15·5	12·0	11·3	11·7	12·0	12·0	11·3	11·0	11·5	11·5	12·0	11·5	...	11·5	18
19	11·7	12·0	15·0	13·0	12·0	12·3	12·5	12·0	11·5	12·5	12.3	12·3	12·5	12·0	...	12·0	19
20	11·7	11·7	14·0	12·5	12·5	12·0	12·5	12·0	11·7	12·5	12·5	12·5	12·5	12·0	...	12·0	20
21	11·5	11·7	13·5	12·0	12·3	12·0	12·5	12·5	12·0	12·7	12·5	12·7	12·0	12·5	...	12·0	21
22	11·0	12·0	14·0	11·7	12·0	12·0	12·0	12·7	12·0	12·5	12·5	12·5	12·3	12·5	...	11·9	22
23	11·5	11·5	13·7	11·5	11.5	12·0	11·5	12·3	11·5	11·7	12·0	12·0	11·7	12·3	...	11·8	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)

JUNE 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	507	492	454	487	493	495	505	505	483	468	486	485	487	492	481	478	Midnight
1h	504	500	450	488	497	498	504	507	485	470	478	487	464	487	485	480	1h
2	503	490	455	485	497	499	505	507	482	473	477	487	490	484	481	482	2
3	503	492	463	495	502	498	507	508	520	470	481	487	484	487	495	483	3
4	503	492	490	503	500	500	507	510	503	472	480	495	488	491	497	488	4
5	508	500	485	499	501	502	510	509	507	477	485	499	491	496	485	490	5
6	510	510	487	498	502	503	510	515	515	482	490	498	490	500	489	493	6
7	512	520	495	500	505	508	513	515	520	489	492	500	500	508	491	501	7
8	513	523	500	507	507	513	516	521	495	495	498	503	505	510	497	500	8
9	520	517	505	507	505	513	516	522	500	513	500	500	504	505	492	495	9
10	523	514	510	507	505	517	515	523	515	498	502	505	512	500	492	497	10
11	524	525	518	502	500	518	519	527	487	510	507	495	517	485	495	500	11
Noon	515	532	512	510	497	520	522	523	480	513	500	497	510	492	500	501	Noon
13h	497	515	504	520	492	522	527	523	463	525	502	494	505	500	482	500	13h
14	480	514	500	523	493	520	520	522	462	524	503	499	502	490	489	501	14
15	460	512	485	510	497	512	508	510	475	505	490	495	503	485	493	485	15
16	470	500	480	500	492	505	510	503	482	515	483	490	498	486	486	473	16
17	481	499	479	487	485	502	512	500	490	475	480	481	492	481	484	475	17
18	479	498	481	489	490	501	514	501	455	480	480	484	490	488	485	475	18
19	479	500	483	483	493	501	513	498	445	473	477	487	489	487	470	472	19
20	485	515	485	490	496	502	512	504	467	477	478	485	488	483	475	480	20
21	495	505	483	491	494	503	510	495	465	570	481	487	487	477	475	482	21
22	495	494	485	491	494	503	505	485	475	467	482	487	485	490	490	483	22
23	495	475	490	492	494	504	508	480	465	465	483	488	487	485	481	480	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	...	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	480	482	487	412	448	479	477	480	480	493	480	487	492	494	...	482·3	Midnight
1h	487	482	482	425	447	479	477	483	482	492	477	487	493	493	...	483·2	1h
2	480	483	480	426	450	480	478	483	482	491	470	488	496	493	...	482·6	2
3	483	483	470	437	456	478	480	486	487	492	470	486	493	497	...	485·8	3
4	484	487	497	440	459	477	480	489	488	495	470	484	493	500	..	488·7	4
5	488	489	493	450	460	477	482	490	486	497	472	493	498	505	...	490·8	5
6	490	489	480	455	465	481	484	491	483	500	479	494	501	507	...	493·0	6
7	490	492	450	460	467	484	490	496	485	505	487	496	505	514	...	496·3	7
8	498	499	455	465	470	487	491	497	492	520	490	501	509	520	...	499·9	8
9	501	505	433	470	465	487	498	500	500	523	490	504	510	522	...	500·7	9
10	503	510	430	475	470	491	498	503	503	521	495	510	508	520	..	502·4	10
11	503	515	425	480	483	497	503	502	502	525	495	517	504	517	...	503·2	11
Noon	502	516	410	477	493	496	508	497	488	515	494	520	499	517	...	501·9	Noon
13h	510	503	390	480	495	490	505	502	500	505	496	510	500	520	...	499·2	13h
14	510	506	369	477	490	487	499	510	498	501	492	507	501	518		496·9	14
15	492	500	340	467	480	480	485	507	487	500	490	500	500	500	...	488·4	15
16	485	489	330	460	473	480	480	500	489	490	479	493	496	490	...	483·6	16
17	481	493	325	454	472	477	473	491	488	493	482	492	493	487	...	480·1	17
18	482	496	345	452	471	476	477	490	489	497	485	496	495	489	...	480·9	18
19	483	492	360	450	469	475	478	495	490	485	483	499	495	491	...	479·8	19
20	483	492	395	449	470	472	478	490	492	485	488	498	496	491	...	483·4	20
21	482	488	402	450	470	465	478	483	493	486	489	497	490	490	...	482·1	21
22	482	485	410	451	474	470	477	480	492	484	489	496	489	488	...	482·6	22
23	481	490	413	448	476	475	477	483	492	485	488	496	485	484	...	481·5	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)

JUNE 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	699	700	701	699	696	695	695	691	695	696	695	693	692	689	691	691	Midnight
1h	699	701	702	699	695	694	693	691	693	695	694	693	692	691	691	691	1h
2	700	701	703	699	694	693	692	690	694	693	693	692	693	691	691	691	2
3	700	700	703	699	693	693	691	690	690	693	693	692	693	691	692	692	3
4	700	700	702	698	695	694	691	690	690	693	692	691	692	691	692	692	4
5	701	701	701	698	695	694	692	690	690	692	691	691	691	691	692	693	5
6	700	700	700	699	696	695	692	690	689	692	691	691	691	691	691	693	6
7	700	697	696	697	694	693	691	688	686	689	690	689	689	689	690	691	7
8	701	698	699	699	695	694	693	691	689	690	691	690	690	693	691	692	8
9	702	697	703	701	699	699	699	695	692	691	693	695	697	697	697	694	9
10	701	696	703	696	701	699	701	696	690	689	699	697	699	701	701	691	10
11	698	690	697	685	691	692	700	691	691	688	700	695	690	699	695	691	11
Noon	690	681	693	676	687	689	694	686	689	689	693	690	685	692	690	685	Noon
13h	684	679	695	669	686	682	685	679	689	685	689	685	681	687	675	679	13h
14	685	677	695	670	683	681	679	675	685	679	683	681	680	687	671	675	14
15	689	679	696	677	683	681	680	671	683	679	680	679	674	689	668	677	15
16	695	681	699	684	684	684	683	675	682	683	603	683	675	692	679	683	16
17	700	691	701	691	689	690	689	684	685	689	690	689	682	697	689	691	17
18	702	696	703	696	694	695	691	690	691	691	692	691	687	696	691	694	18
19	703	698	703	699	697	697	692	691	697	692	691	691	689	694	691	696	19
20	703	698	702	699	699	697	694	693	699	694	693	691	689	693	693	695	20
21	701	700	703	698	699	696	694	694	699	695	693	692	690	692	693	694	21
22	701	699	701	697	699	697	693	695	697	696	692	692	689	693	690	693	22
23	701	701	700	695	698	696	693	696	699	697	693	692	691	691	691	692	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	691	690	688	699	698	692	692	691	690	689	685	684	681	681	...	692·3	Midnight
1h	690	690	688	697	697	691	691	690	690	689	687	684	681	681	...	692·0	1h
2	690	690	688	694	695	691	691	689	690	689	688	685	681	681	...	691·7	2
3	690	689	687	693	693	691	690	689	689	689	689	685	682	682	...	691·4	3
4	690	690	688	694	693	691	690	689	689	688	689	685	682	682	...	691·4	4
5	691	691	687	696	693	691	689	688	688	687	688	684	682	683	...	691·4	5
6	692	691	687	695	694	691	689	687	688	687	688	684	682	683	...	691·3	6
7	691	690	687	692	695	689	687	685	683	684	683	683	682	683	...	689·4	7
8	693	691	691	695	697	691	689	688	686	683	685	684	684	684	...	691·2	8
9	696	696	702	694	697	691	691	693	691	684	690	686	685	685	...	694·4	9
10	693	695	707	693	695	691	692	694	692	684	691	686	683	684	...	694·7	10
11	684	689	702	693	687	685	691	691	690	682	689	683	679	680	...	690·6	11
Noon	679	684	706	693	677	680	685	690	687	680	683	681	679	677	...	686·3	Noon
13h	672	675	697	679	672	677	683	691	683	679	677	675	677	670	...	681·2	13h
14	673	667	698	675	672	675	680	689	681	670	670	671	677	671	...	678·5	14
15	671	663	694	677	672	675	679	682	677	666	671	670	677	677	...	677·9	15
16	680	670	695	685	675	680	676	680	676	667	675	670	678	679	...	681·0	16
17	689	683	710	690	683	689	684	686	684	673	681	677	679	684	...	688·0	17
18	692	687	709	692	689	691	689	689	687	679	684	681	681	686	...	691·2	18
19	693	689	709	696	691	691	689	688	688	681	685	682	682	685	...	692·3	19
20	693	690	705	697	693	691	690	689	689	683	685	683	681	684	...	692·8	20
21	692	690	704	697	696	693	691	691	689	684	686	682	681	683	...	693·1	21
22	691	690	703	698	696	693	691	691	689	684	686	683	681	683	...	692·8	22
23	691	689	702	698	695	693	691	691	689	683	686	683	681	682	...	692·7	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JUNE 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure.	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
JUNE	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	969·1	19·9	1·6	17·0	83	19·2	95	5·8	10	15·5	17·0	20·5	18·3	21·4	14·4	7·0	4·9	64	6.2	56
2	970·2	21·4	2·8	16·5	74	18·6	90	8·9	2	17·6	20·8	19·6	18·5	22.6	17·3	5·3	2.5	34	9·1	83
3	971·8	20·9	4·8	12·3	58	14·2	90	7·2	0	16·7	20·7	20·6	18·9	22.2	15·4	6.8	1.6	28	9·9	91
4	971·0	19·4	0·5	18·5	90	21·1	110	8·9	10	18·5	18·8	19·7	18·0	20·0	17·8	2·2	36·9	397	3·6	33
5	971·9	19·9	2·4	15·6	76	17·6	100	8·1	7	18·0	18·1	20·7	17·3	22·0	17·0	5·0	9·3	133	7.6	70
6	972·1	19·0	2·0	15·4	79	17·3	110	8·9	7	16·7	17·0	20·9	17·7	21·5	16·7	4·8	11 4	103	7·0	64
7	971·9	20·3	2·2	16·4	78	18·5	90	8·1	6	16·5	18·0	21·2	18·7	22·3	16·5	5·8	4·5	68	6·5	60
8	971·2	20·6	1·1	18·6	88	21·2	100	9·4	9	18·6	19·5	20·7	19·8	22·1	17 9	4·2	6·8	66	3 6	33
9	970·4	22·5	2·6	17·9	75	20·3	110	4·9	8	19·7	20·1	22·2	19·2	23·2	18·8	4·4	1·0	15	6·5	60
10	971·3	21·0	1·7	18·0	83	20·4	105	4·5	7	18·3	20·8	21·7	18·7	23·0	17·7	3·3	0·0	...	9·7	89
11	972·2	20·8	2·5	16·3	76	18·4	110	8·1	4	17·7	20·0	21·3	18·3	22·7	17·3	5·4	0·0	...	9·9	91
12	973·3	20·2	1·6	17·3	84	19·6	110	9·4	3	17·7	19·4	21·0	17·0	22·2	17·0	5·2	4·5	54	10·2	94
13	973·1	20·4	4·2	12·9	62	14·8	90	4·5	1	16·2	17·4	20·7	16·8	21·5	12·4	9·1	3·0	28	10·6	97
14	971·6	19·0	1·9	15·6	81	17·6	100	6·3	10	16·4	17·9	20.8	17·8	21·0	15·8	5·2	2·6	29	6·1	56
15	972·3	20·5	3·7	13·9	66	15·7	130	8·5	1	16·5	19·8	20·3	18·6	22·0	16·4	5·6	0·0	...	10·4	96
16	972·8	20·6	4·3	12·9	62	14·8	110	7·2	4	16·0	19·0	20·6	17·7	22·2	15·5	6·7	0·0	...	8·6	79
17	973·0	19·3	4·1	11·9	62	13·8	105	7·2	10	17·0	17·7	20·3	18·0	21·0	17·0	4·0	0·0	...	5·0	46
18	971·9	19·0	1·4	16·4	85	18·5	110	10·3	4	16·3	17·1	19·9	16·8	20·8	16·0	4·8	4·6	83	8·7	80
19	971·2	20·0	2·1	16·2	78	18·2	105	5·4	0	15·0	18·5	20·4	17·0	21·6	14·7	6·9	0 0	...	10·7	98
20	972·3	19·4	4·2	11·8	61	13·7	110	4·9	8	16·2	17·3	20·7	16·6	21·0	15·6	5·4	0·1	1	8·8	81
21	975·3	17·4	1·5	14·6	84	16·5	95	8·9	10	16·6	15·9	17·5	15·9	18·5	15·0	3·5	9·1	128	1·9	17
22	975·8	18·1	2·3	14·1	77	15·9	95	8·1	9	14·1	15·5	16·5	15·0	18·9	14·1	4·8	4·9	45	5·1	47
23	974·2	17·3	0·9	15·6	90	17·6	95	8·1	9	14·9	16·8	16·4	16·0	19·6	14·9	4·7	12.9	160	3·7	34
24	975·9	17·2	1·8	13·9	81	15·7	110	8·9	10	16·3	17·2	17·4	16·0	19·8	15·7	3·9	2·4	35	4·9	45
25	977·1	19·2	4·0	12·0	63	13·9	90	8·5	7	15·8	18·0	18·0	16·0	20·6	15·5	5·1	1·3	19	9·3	85
26	974·7	18·9	2·2	14·9	78	16·8	110	8·1	1	16·0	17·5	19·3	16·7	20·6	14·6	6·0	6·7	102	8·2	75
27	972.3	17·8	1·0	16·0	89	18·0	110	11·6	3	16·6	16·3	19·0	16·5	19·0	16·3	2·7	9·4	192	8·0	73
28	971·9	17·5	1·0	15·7	89	17·7	110	8·1	7	16·3	15·6	19·1	16·1	19·0	15·6	3·4	2·5	49	7·6	70
29	971·7	17·0	0·8	15·5	91	17·4	110	4·5	10	14·8	16·0	16·3	14·8	18·1	13·9	4·2	3·4	53	4·5	41
30	971·1	19·2	3·8	12·3	64	14·2	135	4·0	7	12·9	17·2	17·9	16·0	20·2	12·8	7·4	3·0	55	7·1	65
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	972·5	19·4	2·4	15·2	76·9	17·2	...	7·5	6·1	16·5	18·0	19·7	17·3	21·0	15·8	5·2	149·3	1941	7·30	66·9
Average	970·9	19·8	2·1	15·9	78·6	18·0	...	4·6	5·3	...	...	...	...	21·9	15 6	6·3	102·3	...	7·20	65·8
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	42·7mbs.	Amount of rain	—	105·9mms.
Temperature of the Air	+	3·2°C	Duration of sunshine	+	12·2hrs.
Vapour Pressure	+	0·1mbs.	Mean of maximum temperatures	+	3·1°C
Relative Humidity	—	7·1%	,, minimum temperatures	+	2·1°C
Velocity of Wind	—	1·8mps.	Absolute maximum temperature	+	2·3°C
Amount of Cloud	—	0·8	,, minimum temperature	+	0·4°C

Greatest Rainfall intensity 3·4mms. in 14 mins.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1936

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
JUNE	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mms.	min	mms.	
1	1010·0	− 0·9	24·7	15·0	9·7	20·4	− 0·9	2·4	16·1	− 1·1	76	− 1	18·1	15·0	2·6	36	3·4	3·6
2	1012·1	+ 1·2	25·2	20·0	5·2	22·0	+ 0·8	2·7	17·3	+ 0·2	75	− 2	19·6	18·2	2·6	53	4·3	3·7
3	1013·2	+ 2·3	24·9	19·0	5·9	21·7	+ 0·5	3·2	16·0	− 1·1	70	− 7	18·0	17·2	0·0	...	3·7	3·3
4	1012·7	+ 1·6	23·8	20·0	3·8	21·3	+ 0·2	1·7	18·3	+ 1·3	83	+ 6	20·8	17·8	11·7	157	2·4	6·2
5	1013·1	+ 1·9	24·2	19·2	5·0	21·4	+ 0·4	3·3	15·6	− 1·3	70	− 7	17·6	17·2	3·8	85	4·2	4·1
6	1013·3	+ 2·0	24·2	19·5	4·7	21·6	+ 0·6	3·4	15·6	− 1·2	69	− 8	17·6	17·6	0·3	22	4·6	6·3
7	1013·5	+ 2·1	24·9	18·9	6·0	21·6	+ 0·7	2·3	17·5	+ 0·9	78	+ 1	19·8	17·2	3·5	71	4·6	7·8
8	1012·9	+ 1·4	25·3	20·8	4·5	22·5	+ 1·7	1·8	19·3	+ 2·8	82	+ 5	22·2	19·6	1·6	35	2·4	7·8
9	1012·1	+ 0·5	25·5	20·4	5·1	22·4	+ 1·6	1·7	19·4	+ 2·9	83	+ 6	22.3	19·8	0·2	10	3·4	4·5
10	1012·7	+ 1·0	25·3	17·9	7·4	21·4	+ 0·7	2·1	17·7	+ 1·3	80	+ 3	20·1	15·8	0·0	...	3·8	3·2
11	1014·6	+ 2·8	25·0	16·5	8·5	21·1	+ 0·4	2·6	16·5	+ 0·1	75	− 2	18·6	13·5	0·1	2	3·9	2·7
12	1015·6	+ 3·7	24·7	19·0	5·7	21·2	+ 0·6	2·9	16·1	− 0·2	73	− 4	18·1	17·0	0·3	15	5·2	2·3
13	1014·6	+ 2·6	24·2	17·0	7·2	20·5	− 0·1	3·9	13·9	− 2·4	66	− 11	15·7	15·9	0·2	12	3·3	2·4
14	1013·6	+ 1·5	24·1	17·6	6·5	21·0	+ 0·4	3·7	14·5	− 1·8	67	− 9	16·4	16·0	0·4	19	4·4	5·1
15	1013·9	+ 1·7	25·0	18·1	6·9	21·2	+ 0·7	3·7	14·7	− 1·5	67	− 9	16·6	18·0	0·0	...	5·2	2·5
16	1014·4	+ 2·1	24·8	18·8	6·0	21·0	+ 0·5	3·8	14·3	− 1·9	66	− 10	16·2	15·8	0·0	...	5·0	3·2
17	1014·4	+ 2·0	24·0	17·7	6·3	20·7	+ 0·3	3·9	13·7	− 2·4	64	− 12	15·5	16·6	0·0	...	4·0	6·5
18	1013·3	+ 0·8	24·2	18·7	5·5	20·2	− 0·2	2·3	16·1	− 0·0	77	− 1	18·1	16.9	2·0	50	3·9	3·7
19	1012·3	+ 0·4	24·4	16·0	8·4	20·3	0·0	3·4	14·2	− 1·8	68	− 8	16·1	14·4	0·0	...	4·1	1·2
20	1014·0	+ 1·2	24·0	18·0	6·0	20·4	+ 0·1	3·4	14·3	− 1·7	68	− 8	16·2	15·6	0·2	10	3·4	3·6
21	1017·2	+ 4·3	22·9	18·3	4·6	20·3	0·0	3·4	14·2	− 1·8	68	− 8	16·1	16·5	1·6	34	4·6	8·6
22	1017·6	+ 4·6	22·6	17·0	5·6	19·5	− 0·7	2·9	14·3	− 1·6	72	− 4	16·2	16·0	1·7	65	3·7	6·8
23	1016·8	+ 3·7	23·2	17·1	6·1	19·2	− 1·0	2·1	15·4	− 0·5	79	+ 3	17·3	14·2	3·3	77	3·5	6·5
24	1018·3	+ 5·1	23·3	19·0	4·3	20·5	+ 0·3	3·9	13·5	− 2·4	64	− 12	15·3	17·0	0·7	22	3·2	4·8
25	1019·3	+ 6·0	23·2	17·1	6·1	19·8	− 0·4	3·5	13·5	− 2·4	67	− 9	15·3	14·6	1·2	43	5·1	6·5
26	1016·9	+ 3·5	23·7	16·8	6·9	19·8	− 0·3	2·8	14·8	− 1·0	73	− 3	16·7	14.8	0·7	10	3·2	5·0
27	1014·0	+ 0·5	23·1	18·8	4·3	20·6	+ 0·5	2·9	15·5	− 0·3	73	− 3	17·4	17·4	1·8	53	3·8	4·8
28	1013·7	+ 0·2	23·3	17·1	6·2	16·7	− 0·4	2·7	14·8	− 1·0	74	− 2	16·7	16·0	2·5	43	3·5	5·0
29	1013·5	− 0·1	22·4	15·6	6·8	18·6	− 1·5	2·6	13·9	− 1·9	74	− 2	15·7	13·4	0·4	20	4·0	5·7
30	1012·3	− 1·4	23·2	12·3	10·4	18·5	− 1·6	3·2	12·6	− 3·2	69	− 7	14·5	8·2	0·0	...	3·3	3·8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..
Mean	1014·2	+ 1·9	24·1	17·9	6·2	20·7	+ 0·2	3·0	15·4	− 0·9	72·3	− 4·1	17·2	16·1	Sum 43·4	Sum 944	3·9	4·7
Aver.	1012·3	...	24·4	17·0	7·4	20·5	...	2·4	16·3	...	76·4	...	18·7	13·4	64·9	1174	3·4	4·8
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JUNE 1936.

Pressure was persistently above average throughout the month and anticyclonic conditions of considerable intensity prevailed from the 21st to the 26th. Temperature was persistently high during the first twelve days, which period obtained the main rainfall of the month.

From the 13th a considerable falling off in humidity occurred with, at the same time, a marked increase in wind velocity; during this period frequent light precipitation brought along with the trades was recorded; but on the whole the rainfall of the month remained 33% in defect. This month saw therefore the continuation of the intense drought which began in February. Bright Sunshine was again 3% in excess of the average duration.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1936.

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity		Temperature of the Soil				Weather
			Mean.	Excess above Average.	10 Feet.	5 Feet.	2 Feet.	12 inches.	
JUNE	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24th.
1	8·2	75	3·6	+ 0·4	25·7	25·9	24·3	23·1	b : bd$_0$: ber$_0$: beq$_0$r$_0$: b
2	8·9	81	4·9	+ 1·6	25·7	26·0	24·2	23·1	br$_0$: b bq$_0$: beq$_0$r$_0$: be
3	9·5	87	4·1	+ 0·8	25·6	25·7	24·2	23·2	b : be : b
4	5·5	50	2·2	+ 1·9	25·8	25·8	24·1	23·3	bd$_0$: ber$_0$r$_0$: er$_0$r$_0$: egd$_0$d$_0$: beqd$_0$d$_0$: be q
5	9·4	86	5·5	+ 2·2	26·0	26·0	24·0	23·2	beq : bq$_0$: beq$_0$: er$_0$r$_0$
6	8·0	73	5·4	+ 2·1	25·7	25·7	24·0	23·1	er$_0$: be : beq : be : beq
7	6·0	55	4·3	+ 1·0	25·6	25·7	24·0	23·3	er$_0$: be : beq$_0$r$_0$: beq$_0$: er$_0$: e
8	4·4	40	4·2	+ 0·8	25·7	25·6	23·8	23·1	e : or$_0$r$_0$: beq$_0$: e : be
9	8·8	81	3·6	+ 0·2	25·6	25·6	23·9	23·2	be : bed$_0$: er$_0$: be : b
10	10·0	92	2·3	− 1·1	25·6	25·5	23·9	23·3	b : be : b : be
11	10.0	92	3·2	− 0·2	25·6	25·5	23·9	23·3	b : be : beq$_0$: b
12	10·4	95	4·3	+ 0·9	25·6	25·5	23·9	23·3	b : bq$_0$: b : bd$_0$
13	10·3	94	3·5	+ 0·1	25·5	25·6	23·8	23·1	b : bed$_0$
14	8·0	73	3·8	+ 0·3	25·6	25·5	23·8	22·9	ber$_0$: b : beq : be
15	9·6	88	4·4	+ 0·9	25·5	25·4	23·6	22·7	b : bq$_0$: b
16	9·7	89	4·1	+ 0·6	25·7	25·5	23·6	22·7	b : be : e : be
17	3·5	32	3·7	+ 0·2	25·6	25·3	23·6	22·4	be : e : beq : be
18	7·6	70	4·6	+ 1·1	25·5	25·4	23·4	22·4	be : bd$_0$: beq : bed$_0$: be : bed$_0$
19	10·3	94	3·4	− 0·2	25·6	25·5	23·3	22·4	b
20	8·8	81	3·7	+ 0·1	25·5	25·2	23·2	22·4	b : be : b
21	3·8	35	5·5	+ 1·9	25·5	25·3	23·3	22·6	be : eqr$_0$: eq : beq$_0$: e
22	7·4	68	4·8	+ 1·2	25·5	25·3	23·1	22·2	ber$_0$: beq er$_0$: ber$_0$: be
23	5·6	51	4·7	+ 1·1	25·5	25·2	23·1	21·9	er$_0$: be : eqr$_0$: er$_0$: be
24	7·1	65	6·4	+ 2·8	25·5	25·1	22·9	21·8	be : bed$_0$: beq$_0$d$_0$: b : beq : bed$_0$: be
25	7·5	69	4·4	+ 0·7	25·5	25·2	22·8	21·6	be : beq$_0$d$_0$: er$_0$
26	6·5	60	4·0	− 0·3	25·5	25·0	22·8	21.6	be : beq$_0$: be : ber$_0$
27	8·7	80	5·4	+ 1·7	25·3	25·0	22·5	21·6	er$_0$r$_0$: be : b
28	5·5	50	4·1	+ 0·4	25·5	25·0	22·6	2·17	b : bed$_0$d$_0$: beq : be
29	5·0	46	3·6	− 0.1	25·0	25·1	22·6	21·6	be . bed$_0$: b
30	7·2	66	3·1	− 0·6	25·0	24.9	2·26	21·4	b : be : e : b
...	...	...	...	...	...	...	...	...	
Mean	7·71	70·6	4·26	+0·77	25·55	25·43	23.49	22·58	.....
Average	7·48	68·8	3·49	...	25·51	25·38	23·78	23·08	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JUNE 1936.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1020.7mbs.	at 09 & 10hrs.	on 25th	1008·8mbs	at 04.00hrs. ...	on 15th
Temperature of the Air	25·5°C	at 11·30hrs.	on 9th	12·8°C	at 04·50hrs. ...	on 30th
Daily range of temperature of the Air ...	10·4°C	... ...	on 30th	3·8°C	.. ...	on 4th
Temperature of the Dew Point	20 6°C	at 09.00hrs.	on 9th	8·9°C	at 02·00hrs. ...	on 30th
Daily range of temperature of the Dew Point	8·4°C	... ...	on 1st	1·2°C	... ..	on 23rd
Minimum on Grass	...	... ...	...	8·2°C	... ...	on 30th
Relative humidity	92·3%	at 04.00hrs.	on 10th	46·3%	at 13·00hrs. 12.00hrs. ...	on 5th on 13th
Vapour Pressure	24.0mbs.	at 09.00hrs.	on 9th	11·3mbs.	at 02·00hrs. ...	on 30th
Evaporation in 24 hours	5·2mms.	... ...	on 12th & 15th	2·4mms.	... ...	on 4th & 8th
Wind Velocity	9·5m.p.s.	at 12.00hrs.	on 25th	0·6m.p.s.	... ...	often
Rainfall in 24 hours	11.7mms.	ending 21hrs.	on 4th		... ...	
Duration of sunshine	10·4hrs.	... ...	on 12th	2·3hrs.	... ...	on 17th

Mean Day Temperature of Air, 22·01°C Average 22·26°C. Mean Night Temperature of Air 19·36°C. Average 18 74°C.

NUMBER OF DAYS OF:—

Mean Cloud Amount					RAINFALL					Lightning	Thunderstorm
0	1 — 3	4 — 6	7 — 9	10	0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.		
...	8	18	4	...	10	12	...	1	...	...	...

TABLE VIII.—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 55·2 metres above mean sea-level.)

JUNE 1936.

The initial 10 or 9 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	092	121	138	140	138	140	138	140	130	123	139	157	159	146	147	144	Midnight
1h	091	120	137	134	134	138	138	140	126	122	139	158	156	147	146	141	1h
2	090	118	131	128	129	134	132	130	121	121	135	156	152	144	143	139	2
3	089	112	130	123	123	126	130	130	120	120	134	151	147	140	140	135	3
4	088	110	129	120	122	121	128	130	115	120	135	150	148	138	132	135	4
5	090	111	129	120	125	122	128	129	112	119	136	151	147	131	132	134	5
6	091	116	130	121	130	126	130	130	115	121	140	155	148	136	136	140	6
7	096	121	137	127	135	131	131	132	119	128	142	161	151	133	141	144	7
8	100	127	141	131	140	140	140	141	124	132	150	164	156	140	150	150	8
9	103	130	143	139	142	148	141	141	129	139	157	166	158	141	151	154	9
10	102	129	141	137	146	148	142	141	130	138	154	165	158	141	149	153	10
11	101	123	136	132	143	141	140	140	125	131	153	161	151	136	142	150	11
Noon	100	120	129	126	136	139	140	130	121	129	150	158	147	130	138	144	Noon
13h	094	111	121	119	124	130	130	121	113	122	140	151	141	124	128	140	13h
14	090	109	119	111	120	126	126	119	111	120	140	149	132	121	126	134	14
15	090	110	120	110	119	122	122	114	110	119	141	149	130	120	125	134	15
16	091	111	120	111	119	124	123	116	112	120	131	149	131	125	126	137	16
17	097	114	121	115	120	127	130	120	117	121	142	150	134	130	128	140	17
18	101	120	125	120	122	130	130	121	119	123	149	151	137	131	131	142	18
19	109	127	130	125	130	131	139	123	121	128	153	153	141	136	138	146	19
20	113	131	132	132	131	135	141	130	126	134	158	159	147	143	145	151	20
21	118	134	136	138	133	137	146	131	128	140	158	159	148	146	148	153	21
22	120	138	141	140	140	138	146	131	129	141	157	161	149	148	149	153	22
23	120	140	140	139	141	140	143	130	126	140	157	160	145	147	149	152	23

The initial 10 or 9 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	150	147	131	130	160	189	173	175	197	190	152	140	141	138	...	1014·7	Midnight
1h	149	140	130	130	161	188	171	175	196	190	150	140	141	134	...	1014·5	1h
2	141	138	125	128	159	181	163	171	193	186	146	135	140	130	...	1014·1	2
3	139	131	122	126	151	179	160	170	190	180	141	131	136	130	...	1013·8	3
4	138	130	120	123	151	174	159	170	190	176	140	131	137	129	...	1013·6	4
5	137	129	119	124	151	173	160	170	190	175	140	130	131	128	...	1013·6	5
6	140	131	120	129	157	174	161	171	191	175	141	132	132	127	...	1013·8	6
7	146	135	123	134	165	178	168	178	197	178	142	139	138	129	...	1014·3	7
8	152	141	130	142	172	181	174	187	201	180	146	143	140	130	...	1014·8	8
9	158	146	136	149	180	188	179	191	207	181	150	148	143	131	...	1015·2	9
10	159	149	136	150	181	185	179	194	207	181	150	148	148	131	...	1015·2	10
11	151	145	131	149	180	181	172	191	200	179	147	141	140	128	...	1014·8	11
Noon	147	138	123	147	177	181	169	188	196	170	141	136	136	120	...	1014·4	Noon
13h	138	128	115	137	171	178	161	180	188	160	131	130	130	110	...	1013·6	13h
14	132	121	109	131	171	170	161	174	186	156	130	126	122	109	...	1013·2	14
15	131	120	106	130	170	165	160	173	183	152	128	122	120	107	...	1013·0	15
16	132	121	108	130	171	164	161	177	183	156	129	127	124	108	...	1013·2	16
17	136	121	111	137	172	164	165	181	184	152	130	131	127	111	...	1013·4	17
18	140	121	114	142	174	170	166	183	185	156	131	133	124	113	...	1013·7	18
19	142	124	120	149	180	170	170	189	188	158	136	139	130	120	...	1014·2	19
20	149	131	125	153	187	172	173	191	192	159	139	142	136	121	...	1014·6	20
21	150	137	130	157	190	176	177	198	197	160	138	146	139	120	...	1014·9	21
22	154	137	131	161	190	176	178	200	197	161	140	147	141	121	...	1015·0	22
23	151	133	130	161	189	172	175	199	194	159	140	143	139	123	...	1014·9	23

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

Hour. \ Day.	June 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Mean
Midnight	1	2	2	2	6	10	7	8	8	1	2	2	2	5	7	1	4	6	0	1	6	5	10	5	4	7	9	1	4	1	...	4·3
1h	1	2	4	2	3	9	8	8	8	1	2	2	2	5	5	1	3	5	1	1	7	6	8	5	4	6	8	1	5	1	...	4·1
2	1	2	2	2	5	9	10	9	8	2	2	2	3	4	2	1	4	3	0	1	8	7	6	4	5	5	8	1	5	1	...	4·1
3	1	2	3	2	4	9	9	10	7	2	1	2	2	2	2	1	5	2	1	1	9	5	5	5	5	5	7	1	4	1	...	3·8
4	1	2	3	2	3	9	8	10	4	2	1	2	2	2	2	1	2	1	0	1	9	5	5	4	4	4	8	1	3	1	...	3·4
5	3	2	2	7	2	9	8	10	3	3	4	1	2	1	3	1	8	2	0	1	10	7	4	5	4	3	9	4	9	1	...	4·3
6	5	2	1	6	2	9	8	9	4	3	8	1	2	1	4	1	9	2	1	6	10	5	2	3	1	3	9	5	9	1	...	4·4
7	5	2	2	5	4	8	7	8	7	5	5	1	2	3	4	1	9	2	1	6	8	6	7	5	4	4	8	6	7	1	...	4·7
8	5	1	1	8	5	7	5	6	7	5	3	1	0	5	4	1	10	3	0	6	8	7	8	6	6	5	7	7	6	2	...	4·8
9	8	0	1	8	3	7	6	6	7	5	3	1	0	4	2	0	10	4	0	8	7	8	9	6	6	4	4	10	7	3	...	4·9
10	7	1	4	9	4	8	7	8	7	5	4	3	0	6	2	1	9	5	0	8	9	7	8	5	6	6	3	6	6	4	...	5·3
11	5	2	4	9	1	7	7	8	8	6	4	3	0	6	3	3	9	6	1	7	10	7	6	3	8	8	4	5	6	6	...	5·4
Noon	5	3	4	8	0	6	8	9	8	5	4	3	0	7	3	4	8	4	1	7	10	7	8	1	9	8	4	7	6	6	...	5·4
13h	4	6	4	7	1	5	6	9	5	5	3	3	4	5	3	4	7	3	3	5	10	7	8	2	7	6	4	6	8	9	...	5·3
14	5	7	4	8	1	3	7	9	3	5	3	3	3	4	3	5	5	4	3	3	10	8	9	5	8	4	6	7	8	9	...	5·4
15	5	8	4	8	2	2	7	9	4	5	3	3	2	5	2	5	4	4	3	2	10	8	9	3	8	5	4	5	8	10	..	5·3
16	4	7	5	7	3	3	8	9	4	4	3	3	3	6	2	6	4	5	3	3	10	8	9	5	9	5	5	7	8	9	...	5·6
17	2	7	5	7	5	3	8	9	4	3	3	3	3	7	2	8	9	6	3	3	10	8	9	7	8	5	3	8	8	8	...	5·8
18	4	6	7	6	3	4	10	9	2	2	3	3	4	9	2	9	4	4	2	2	10	9	10	9	7	4	3	8	8	7	...	5·7
19	3	5	5	5	8	5	8	5	1	1	0	2	2	5	2	4	4	3	1	1	7	7	5	7	8	4	2	7	3	2	...	4·1
20	2	7	5	8	8	5	8	4	1	2	0	3	1	4	1	4	5	5	1	2	7	9	3	4	9	4	2	4	3	2	...	4·0
21	2	6	3	9	9	4	9	4	1	7	1	3	4	10	1	5	7	7	1	3	7	5	3	3	9	5	1	4	3	1	...	4·6
22	3	4	3	7	9	3	9	6	1	5	1	3	5	9	1	4	7	3	1	3	8	5	3	9	8	6	1	3	2	1	...	4·4
23	3	3	3	6	9	6	8	5	1	2	1	2	7	7	1	4	8	3	1	4	8	6	5	6	8	4	1	4	2	2	...	4·3

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

Hour Ending. \ Day.	June 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	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
7	0	0	6	0	3	0	0	0	0	0	0	9	3	0	0	6	0	0	12	6	0	0	0	1	0	0	0	0	0	8	...	0·9
8	15	54	60	5	58	0	35	2	34	54	58	60	60	17	30	60	0	28	60	43	20	10	4	25	8	17	14	5	33	60	...	15·5
9	35	60	60	7	55	31	51	35	54	60	60	60	60	55	60	60	5	60	60	0	60	22	28	30	48	43	48	7	55	60	...	22·1
10	54	60	60	25	60	45	60	30	55	60	60	60	60	60	60	60	0	30	60	53	60	56	50	40	57	29	60	19	13	60	...	24·3
11	58	60	60	13	56	50	43	60	59	60	53	60	60	60	60	60	0	57	60	60	30	58	58	45	60	17	60	48	54	59	...	25.6
Noon	38	60	60	56	60	60	38	12	40	60	60	60	60	56	60	60	9	60	60	60	3	57	59	60	24	42	60	47	15	34	...	23·7
13h	52	55	60	50	60	60	27	55	55	60	60	60	60	46	60	56	26	60	60	60	42	30	60	60	59	56	60	60	38	34	...	26·3
14	60	52	60	54	60	60	43	16	60	60	60	60	60	60	60	60	54	60	60	60	0	40	32	60	59	60	50	53	38	29	...	25·7
15	60	54	60	49	60	60	25	0	60	60	60	60	60	60	60	59	60	60	60	60	0	60	22	50	42	60	60	60	33	28	...	25·0
16	60	58	60	45	60	60	34	20	60	59	60	60	60	44	60	55	50	40	60	60	3	60	16	50	55	42	60	30	25	9	...	23·6
17	53	20	25	29	31	54	15	35	50	53	60	60	60	18	60	46	6	4	60	60	1	53	6	5	38	23	48	0	0	50	...	17·1
18	6	0	0	0	0	0	0	0	3	13	7	13	14	7	9	0	0	0	8	7	0	0	0	0	0	0	0	0	0	0	...	1·4
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

The total Amount of Registered Sunshine was 231.2 hrs. and the total possible sunshine was 327·2 hrs.

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

(*To obtain temperatures on the Absolute Scale add 273*)

JUNE 1936.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	16·4	2·0	21·3	2·8	20·9	2·3	20·0	1·2	20·3	2·6	19·5	1·3	20·7	2·6	22·1	2·2	Midnight
1h	16·1	1·8	21·0	2·7	20·3	2·3	20·6	1·4	20·6	3·1	19·7	1·7	19·8	1·8	21·4	1·4	1h
2	15·9	1·9	20·4	1·6	20·3	2.4	20·4	1·3	20·7	2.6	20·0	2·0	19·4	1·3	21·2	1.2	2
3	15·9	1·7	20·2	2·1	19·6	2·4	20·7	1·4	20·3	2·2	19·9	1·7	19.0	1·0	21·8	1·7	3
4	15·0	1·8	20·5	2·8	19·8	2·8	20·7	1·4	19·9	1·9	19·9	2·4	19.4	1·3	21·3	1·3	4
5	18·2	1·4	20·5	2·5	19·2	2·3	20·3	0·9	19·3	2.5	19·9	2·7	19·1	1·1	21·1	1.1	5
6	18·1	2·0	20·1	2·2	20·2	3·5	20·06	1·1	19·7	2·4	20·1	2·9	20·1	1·3	21·0	0·9	6
7	18·2	1·4	20·0	1·9	19·0	2·6	20·9	1·1	20·2	2·4	20·1	2·8	20·0	1·7	20·9	0·9	7
8	19·5	1·5	21·7	2·7	21·1	4·0	21·4	1·3	21.6	2·9	21·1	3·1	21·0	1·9	21·9	1·3	8
9	20·1	0·5	23·8	4·0	23·0	5·0	21·6	1·4	22·0	3·0	22·0	3·8	23·0	3·3	23·6	2·4	9
10	23·1	3·4	24·3	4·3	23·8	6·6	21·8	1·1	22·8	4·2	23·2	4.2	23·6	3·8	24·1	2·5	10
11	23·6	3·4	24·8	4·6	24·3	5·5	21·8	1·5	23·5	5·9	23·7	4·8	24·1	3·8	24·7	3·5	11
Noon	22·3	1·3	24·8	4·0	24·7	5·1	23·1	1·7	23·8	6·8	24·0	5·1	23·6	3·3	24·2	3·0	Noon
13h	22·7	2·5	23·0	2·0	24·8	5·0	22·6	1·6	24·1	7·1	24·0	4·9	23·8	4·4	25·1	3.5	13h
14	24·0	3·9	23·6	2·9	24·4	4·2	23·5	2·5	24·2	6·0	24·0	5·1	24·0	4·0	24·6	3·1	14
15	24·1	4·1	23·2	2·4	23·9	3.7	23·0	2·1	23·5	5·5	23·8	4·8	23·8	3·3	24·0	2·4	15
16	23·6	4·1	23·6	3·0	23·4	3·3	22·2	1·4	23·2	4·7	23·2	4·5	23·3	3·5	23·0	1·5	16
17	22·9	3·6	22·0	2·0	22·3	2·3	21·8	1.8	23·5	4·3	22·3	4·0	21·2	1·2	23·0	1·8	17
18	21·8	2·7	21·8	2·1	21·8	2·1	21·2	1·9	20·6	2·2	21·6	3·3	21·1	1·2	22·1	1·2	18
19	21·1	2·3	21·1	1·8	21·3	1·5	21·2	1·9	20·0	1·0	21·1	3·1	21·1	1·3	22·0	1·3	19
20	21·6	2·7	21·7	2·5	21·1	1·8	20·5	1·4	19·8	1·0	21·2	3·2	21·3	1·4	22·0	1·4	20
21	21·4	2·9	21·9	2·8	21·2	2·1	20·6	1·7	19·9	1·2	21·2	3·9	21·7	1·8	22·0	1·4	21
22	21·2	2·5	21.1	1·9	20·2	1·5	20·6	3·2	20·1	1·8	21·1	3.0	21·7	2·4	21·7	1·4	22
23	21·1	2·1	20·8	2·0	19·8	1·6	20·5	3·2	19·9	1·7	21·0	3.0	21·8	2.2	21.4	1·2	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air	Excess of Air over Evap.	
Midnight	21·1	1·0	20·4	0·9	18·2	1·3	20·2	2·0	19·2	1·0	19·1	1·3	20·6	3·9	18.8	2·3	Midnight
1h	21·4	0·8	20.1	0·9	18·2	1.3	20·0	2·0	19·1	1·0	19·1	1·2	20·1	3·4	19·0	2·2	1h
2	21·1	0·8	19·9	0·9	18·1	1·2	19·7	2·1	19·2	1·9	18·9	1·9	19·9	2·8	19·2	2·4	2
3	21·0	0·9	19·7	0·8	18·8	1·6	20·2	2·1	18·4	1·7	18·8	1·7	19·8	2·6	19·9	2·9	3
4	21·1	1·0	19·2	0·7	18·2	1·0	20·0	2·2	18·7	2·7	18·3	1·5	19·7	2·7	19·3	2·4	4
5	21·1	1·0	19·1	0·9	16·8	1·1	19·7	2·6	17·9	2·8	18·9	1·8	20·0	2·9	19·2	2·4	5
6	21·2	1·0	18·9	0·9	17·3	1·1	19·0	2·0	18·1	3·1	18·3	1·6	20·0	2·9	19·0	2·3	6
7	21·3	0·9	19·1	0·9	19·7	1·4	19·1	1·7	17·7	3·1	17·8	1·6	19·9	2·9	19·1	2·7	7
8	22·2	1·2	21·1	1·5	21·3	1·9	21·0	2·9	19·8	4·2	20·3	2·2	20·9	3·8	21·1	4·1	8
9	23·2	1·5	23·1	2·6	22·9	3·0	23·0	4·0	21·9	4·9	22·1	3·5	22·9	4·9	22·5	5·4	9
10	24·0	2·4	24·3	3·2	24·0	3·7	23·4	4·3	23·0	6·1	23·2	5·0	23·7	5·2	23·1	5·5	10
11	24·6	3·0	24·3	3·5	24.1	3·8	24·0	5·0	23·6	6·6	23·3	5·2	24·0	5·0	23·7	5·7	11
Noon	24·4	2·9	25·1	4·9	24·6	4·5	23·9	4·7	24·0	7.1	22·9	5·2	23.9	5·2	24·0	5·2	Noon
13h	25·3	3·3	25·1	4·9	24·9	4·9	24·2	5·1	23·5	6·5	23·8	6.6	24·1	5·1	23·2	4·9	13h
14	25·0	3·7	24.9	4·7	24.8	4·8	24·1	4·9	23·7	6.7	23·8	6·1	24·1	4·9	23·6	5·2	14
15	24·8	3·0	24·6	4·4	24·1	4·4	23·9	4·9	23·4	6·4	23·7	5·7	23·5	5·2	23·6	5·2	15
16	24·4	2·9	24·1	4·0	23·6	4·3	23·0	4·4	22·8	5·9	22·4	5·1	23·0	5·0	22·9	4·6	16
17	23·5	2·4	23·0	2·9	22·4	3·2	22·2	3·3	21·8	5·2	21·9	4·9	22.1	4·4	22·0	4·5	17
18	22·2	1·4	21·2	1·9	21·1	2·2	20·9	2·7	20·3	3·9	20·9	3·9	21·1	3·8	21·2	4·4	18
19	21·6	1·4	20·4	1·4	20·9	2·2	20·1	2·0	19·0	2·8	20·6	3·9	20·8	3·7	19·2	3·1	19
20	21·2	1·1	20·2	1·4	20·1	1·9	19·7	1·8	18·3	2·7	21·1	4·1	20·1	2·8	18·6	2·8	20
21	21·0	1·0	20·0	1·3	20·2	2·1	19·7	1·9	19·7	3·0	21·1	4·6	19·5	2·4	19·3	2·5	21
22	20·9	1·0	19·3	1·3	20·2	2·1	19·8	2·0	19·1	2·4	20·8	3·8	18·5	2·0	20·2	2·9	22
23	20·7	1·0	18·1	1·1	20·1	2·1	19·5	1·4	19·3	1·6	21·1	4·6	18·3	2·3	20·7	3·4	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

JUNE 1936.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	19·9	3·5	19·6	3·1	18·7	2·2	19·2	2·2	19·0	2·9	19·3	2·7	17·3	1·4	19·8	2·9	Midnight
1h	19·9	3·2	19·2	3·0	18·0	2·0	19·2	2·2	18·9	2·6	18·2	2·1	17·6	1·3	20·2	3·8	1
2	18·8	2·5	19·2	2·9	18·1	2·1	19·0	2·1	19·1	2·4	18·0	1·9	17·2	1·1	20·0	3·4	2
3	18·7	2·4	19·2	2·5	17·9	2·0	18·9	2·1	20·0	2·9	18·9	2·2	18·0	1·4	19·2	2·2	3
4	18·0	3·0	19·8	2·8	18·1	2·1	18·4	1·9	19·3	1·5	18·5	1·6	18·0	1·7	19·3	2·4	4
5	19·2	3·1	19·5	2·4	17·5	2·0	18·9	2·5	19·1	1·4	18·1	1·9	17·4	1·6	19·8	3·8	5
6	20·2	4·5	19·3	1·8	17·1	2·0	18·7	2·3	19·0	1·7	18·8	2·7	17·4	1·7	19·8	4·0	6
7	19·2	4·2	19·1	1·4	17·1	2·3	18·6	1·8	19·2	1·4	19·0	2·7	17·9	1·7	20·2	4·0	7
8	19·4	3·4	19·3	1·7	19·9	3·6	20·0	2·8	19·4	1·9	20·0	3·3	18·2	1·2	20·8	4·2	8
9	21·6	5·7	21·2	2·2	21·4	4·3	20·7	2.9	21·1	3·2	21·0	4·0	19·6	1·6	21·6	4·4	9
10	22·0	5·1	21·0	2·0	22·9	5·6	22·8	5·8	21·8	4·1	21·9	4·9	21·3	3·0	21·6	4·6	10
11	22·8	5·8	21·9	2·9	23·7	6·1	23·1	6·1	22·0	4·5	21·3	4·1	22·1	3·9	22·2	4·9	11h
Noon	23·1	5·3	22·9	3·6	23·9	6·0	23·3	6·1	21·8	4·8	21·8	4·7	22·1	3·1	23·1	6·3	Noon
13h	23·0	5·1	22·9	3·8	24·1	6·0	23·7	6.1	22·1	5·0	20·0	2·8	22·7	4·7	22·9	5·9	13h
14	23·1	5·2	22·7	3·7	24·0	6·0	23·6	6·1	21·9	5·3	21·0	3·7	20·9	2·6	23·0	5·8	14
15	23·0	5·2	22·4	3·3	23·2	5·2	23·0	5·8	21·8	5·5	21·6	4·5	20·2	2·0	21·5	4·4	15
16	22·6	4·8	20·3	1·2	22·9	5·0	22·5	4·9	21.1	4·4	21·7	4·9	19·1	1·1	21·2	3·7	16
17	21.0	3·4	20·0	1·2	21·7	3·8	21·6	4·3	20·9	4·6	20·6	4·0	18·9	1.1	19·1	2·1	17
18	20·0	2·8	19·8	1·7	20·2	2·6	20·2	3·1	20·5	3·8	18·9	1·9	18·2	1·2	19·9	3·1	18
19	20·0	2·9	19·5	1·5	19·8	2·8	19·0	2·3	20·7	4·3	18·6	2·0	18·9	1·9	19·9	4·0	19
20	20·3	2·9	19·3	1·4	19·7	2·5	18·9	2·1	20·7	4·1	18·3	2·1	19·0	2·8	19·9	5·0	20
21	20·2	2·9	19·4	1·4	19·3	1·9	19·0	1·9	20·0	3·7	18·2	2·1	19·2	2·6	19·2	3·2	21
22	20·1	2·8	18·9	1·7	19·0	1·9	19·0	1·8	19·0	2·5	18·7	2·7	19·1	2·3	19·1	3·4	22
23	19·9	2·9	18·8	1·9	18·9	1·9	1·91	2·1	19·0	3·0	17·2	1·8	19·8	3·0	19·1	3·9	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d		30d.		...		Mean		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess Air over Evap.	
Midnight	19·6	4·0	17·6	1·6	19·2	1·2	19·2	2·2	17·2	2·1	15·6	2·1	...	...	19·3	2·1	Midnight
1h	19·8	5.4	18·0	1·8	19·1	1·0	19·0	2·1	16·1	1·3	15·0	2·0	...	...	19·2	2·1	1
2	19·1	5·0	18·1	1·9	19·1	1·1	18·8	2·0	17.9	2·2	16·9	4·3	...	...	19·1	2·1	2
3	19·3	3·8	18·1	2·0	19·0	1·1	18·5	1·5	16·6	2·0	15·9	2·9	...	...	19·1	2·0	3
4	18·2	2·2	17·2	1·6	19·0	1·0	18·6	1.6	16·0	1·8	13·3	1·6	...	...	18·8	2·0	4
5	17·7	3·1	18·0	2·2	19·0	1·3	18·6	1·8	16·1	1·2	12·9	1·8	...	...	18·7	2·0	5
6	17·1	3·0	17·0	1·8	19·1	1·2	19·0	1·9	17·5	1·6	13·1	1·3	...	...	18.8	2·1	6
7	17·3	2·5	17·5	1·6	19·2	1·7	18·7	1·4	17·5	1·7	12·9	1·3	...	...	18·9	2·0	7
8	18·8	3·8	18·6	2·0	19·9	1·9	18·9	1·0	18·8	2·0	16.4	1·6	...	...	20·2	2·5	8
9	21·1	4·5	21·2	3·5	21·7	3·6	19·2	1·2	20·9	3·7	20·2	3·4	...	...	21·8	3·4	9
10	22·2	5·3	21·6	3·8	22·1	4·1	20·0	1·8	19·6	2·6	22·0	5·4	...	...	22·6	4·1	10
11	22·9	5·9	20·7	3.6	22·2	4·2	22·0	3·5	22·3	5·0	23·1	6·1	...	...	23·1	4·5	11
Noon	22·7	5·6	22·4	4·6	23·0	5·1	22·3	4·0	19·2	1·9	22·7	5·4	...	...	23·3	4·6	Noon
13h	22·8	5·2	23·0	4·8	23·1	5·4	22·9	5·0	20·4	2·4	23·1	5·3	...	...	23·4	4·7	13h
14	23·0	5·5	22·9	5·4	22·8	4·9	23·0	5·0	21·8	4·0	22·2	4·2	...	...	23·4	4·7	14
15	21·8	4·3	22·2	4·2	22.7	4·9	22·3	4·5	21·2	4·0	21·2	3·1	...	...	23·0	4·3	15
16	21·8	4·0	22·0	3·9	22·1	4·5	21·3	4·3	20·2	3·1	21·1	3·8	...	...	22·4	3·9	16
17	20·8	3·1	22·0	5·0	21·2	4·1	21·0	4·0	19·1	2·8	20·6	3·5	...	...	21·5	3·2	17
18	19·0	2·0	19·8	2·7	20·0	2·9	20·1	3·2	19·1	3·2	19·1	2·9	...	...	20.5	2·6	18
19	18·7	1·7	19·6	2.4	20·0	2·8	19·5	3.3	18·1	2·5	18·8	2·8	...	...	20·1	2·4	19
20	18·7	1·6	19·9	2·5	20·0	2·8	18·8	2·8	18·2	2·7	18·9	2·7	...	...	20·0	2·4	20
21	18·6	1·6	19·1	1·6	20·0	2·8	18·0	2·6	18·2	3·1	19·1	2·7	...	...	19·9	2·3	21
22	18·2	1·3	19·1	1·2	19·9	2·6	17·1	2·1	18·0	3·0	18·9	2·6	...	...	19·7	2·3	22
23	17·7	1·7	19·2	1·2	19·8	2·6	17·7	2·6	17·0	2·8	18·7	2·4	...	...	19·6	2·3	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during JUNE 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

JUNE 1936.

Hour \ Day	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	14	1·4	10	4·4	11	2·8	12	2·5	10	3·6	11	4·5	11	4·3	09	4·7	09	2·3	11	2·2	12	0·6	11	3·0	12	2·9	12	2·8	11	1·8	11	3·3
1h	14	1·3	10	4·0	11	2·7	12	2·7	10	4·2	11	4·2	10	5·0	10	4·6	09	2·8	11	2·4	11	0·8	11	2·8	07	2·2	11	3·3	11	1·6	11	3·4
2	14	1·1	10	3·7	11	3·4	12	3·0	10	5·9	10	4·7	10	3·2	10	4·3	09	2·4	11	1·8	12	2·3	12	3·3	11	2·7	12	2·3	12	3·0	11	3·0
3	12	1·4	10	4·0	12	2·5	11	3·7	10	7·1	11	5·1	11	2·2	10	3·8	10	2·8	11	1·9	13	1·4	11	4·2	11	2·8	10	3·0	12	2·7	12	4·1
4	12	1·1	10	4·8	12	3·8	11	3·9	10	5·4	10	5·4	10	3·1	10	2·9	11	2·4	11	1·3	11	1·0	11	3·8	12	4·2	12	3·0	12	3·1	11	3·1
5	12	3·4	10	5·2	12	3·1	10	4·0	11	3·2	10	5·1	10	2·0	10	3·8	11	3·2	11	1·2	12	0·6	11	2·7	12	4·0	11	3·5	12	3·1	11	3·6
6	13	2·3	11	5·0	11	3·3	11	4·1	11	3·3	10	4·7	09	3·7	11	3·2	11	3·1	11	1·1	14	0·6	11	2·8	13	3·7	11	2·3	12	3·8	12	3·0
7	11	1·9	11	2·2	12	2·5	11	4·5	10	4·2	11	4·4	10	3·9	11	2·6	10	2·8	11	1·0	13	1·9	12	1·8	12	3·0	11	2·0	12	2·6	12	3·2
8	11	2·9	10	3·2	11	2·8	10	4·9	10	4·1	10	5·3	10	3·5	10	3·6	10	3·2	10	2·1	11	2·2	11	2·7	13	1·8	11	2·6	12	4·0	11	4·1
9	10	3·6	09	5·7	10	4·0	11	5·1	10	6·9	10	5·2	09	5·2	09	5·3	10	4·0	11	3·1	10	4·4	10	4·8	10	3·4	09	5·0	11	5·3	12	5·2
10	10	4·8	09	6·6	09	5·5	10	6·1	10	7·1	10	6·3	08	6·5	10	5·2	10	4·9	11	3·3	10	5·2	12	5·9	12	5·3	09	6·1	11	6·1	11	5·5
11	12	5·2	09	6·8	11	6·4	10	6·3	09	6·5	09	8·0	08	5·4	09	5·6	10	4·9	09	4·4	11	5·9	10	7·3	10	4·7	09	6·8	11	6·2	10	6·3
Noon	10	4·4	09	6·6	12	7·0	10	7·0	12	7·0	10	7·4	09	5·1	10	6·1	09	5·1	09	4·2	12	6·5	10	5·9	12	4·9	09	6·4	11	6·1	12	6·3
13h	10	4·9	09	6·0	12	6·9	10	7·4	10	7·2	08	7·4	09	6·1	09	5·9	09	5·4	08	4·1	11	6·1	10	6·3	12	4·9	10	6·1	11	7·3	11	5·6
14	09	5·7	08	6·8	12	7·2	10	7·9	08	7·0	09	6·8	10	5·7	08	5·9	08	4·9	09	4·4	11	5·9	10	6·4	11	6·2	10	6·4	10	6·7	10	5·8
15	09	5·8	09	5·8	12	6·0	10	8·1	11	6·6	09	7·1	09	5·5	10	5·3	09	5·4	09	4·3	11	5·4	11	6·3	11	5·5	09	6·0	10	7·2	11	5·4
16	09	5·2	10	6·2	11	4·7	11	6·6	09	5·9	10	6·1	09	5·4	08	5·0	09	4·5	10	3·9	11	5·7	11	6·0	10	5·0	11	5·1	10	5·4	10	5·7
17	09	3·8	10	5·4	11	4·4	11	5·4	12	5·2	09	5·4	08	3·9	09	4·3	10	4·5	11	2·9	12	3·8	11	4·9	11	3·5	11	3·8	11	6·0	10	4·3
18	10	3·6	09	5·5	12	4·1	11	5·6	10	5·5	08	4·4	10	3·6	10	4·4	10	3·8	12	3·0	12	3·0	10	3·2	10	2·0	11	2·4	11	4·9	11	2·9
19	09	3·3	11	4·4	11	1·8	11	4·8	09	6·3	10	4·6	09	4·0	10	3·8	10	2·6	12	1·3	12	2·7	11	2·7	10	2·2	10	2·9	12	4·7	12	2·4
20	09	3·9	09	4·8	11	3·9	12	6·1	09	5·1	09	4·8	10	4·4	10	3·3	11	2·6	12	0·8	12	1·8	11	3·6	11	2·1	11	3·0	11	3·2	11	2·5
21	09	4·4	09	4·4	11	4·6	10	5·5	10	4·8	09	4·7	09	3·9	10	3·4	11	2·3	12	0·8	12	2·8	10	3·7	11	2·8	10	2·7	11	2·9	12	3·1
22	10	4·4	10	4·0	12	2·3	10	4·3	09	4·9	09	4·8	09	4·1	10	3·3	11	2·8	12	0·6	11	3·1	10	3·8	12	1·7	11	2·0	11	2·1	10	3·1
23	10	4·6	10	3·0	12	1·7	09	3·9	11	4·0	09	4·2	09	4·2	10	2·1	11	2·8	12	0·6	12	2·9	11	4·5	10	3·2	11	3·1	10	2·2	11	4·0

Hour \ Day	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		25d.		26d.		27d.		28d.		29d.		30d. *		...		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	10	2·6	12	4·1	12	3·7	11	3·4	11	3·3	10	3·7	10	3·2	11	4·6	10	5·3	12	2·0	11	4·0	10	3·4	11	2·8	15	1·9	...	...	3·2
1h	11	2·5	12	4·1	12	3·1	11	3·6	11	2·3	11	3·9	12	3·5	10	5·2	12	6·0	12	3·3	11	4·1	11	2·8	12	2·8	13	1·2	...	...	3·2
2	11	2·6	12	3·0	11	3·1	12	2·6	11	3·2	10	4·4	12	3·9	11	5·9	11	4·0	12	3·4	10	4·1	11	2·2	13	1·8	13	3·2	...	...	3·3
3	12	2·2	11	3·6	12	3·1	12	3·1	10	3·8	11	4·5	12	3·9	10	5·2	11	4·1	12	3·0	10	4·1	12	3·3	12	2·6	14	2·6	...	...	3·4
4	11	2·4	11	3·2	12	3·8	11	2·8	10	4·5	10	3·8	10	4·2	10	5·3	12	4·0	12	2·0	12	4·5	12	3·2	13	1·4	14	1·5	...	...	3·3
5	10	3·1	12	4·1	12	2·5	12	2·6	10	5·8	11	3·9	11	3·4	11	5·3	12	2·9	12	2·8	11	5·1	11	3·3	12	1·8	14	1·4	...	...	3·3
6	12	4·3	11	4·2	12	2·4	13	2·1	11	6·1	12	3·9	11	3·2	09	5·8	12	2·3	12	2·5	11	5·0	11	2·9	15	2·0	14	2·3	...	...	3·3
7	10	3·0	11	5·9	12	2·6	13	2·2	12	5·5	12	4·1	11	3·0	10	5·4	12	2·4	11	1·7	11	4·5	07	3·1	13	2·8	13	1·3	...	...	3·1
8	11	2·3	10	4·4	13	3·1	13	1·2	10	6·0	10	4·7	10	3·2	10	6·1	12	3·7	11	2·1	10	5·2	12	4·0	13	2·2	13	1·1	...	...	3·4
9	10	4·1	10	5·7	11	3·9	13	1·3	09	7·0	10	6·4	11	3·9	11	7·2	11	4·8	11	3·8	09	6·5	12	3·2	12	2·7	17	1·8	...	...	4·6
10	10	4·4	10	5·7	12	3·9	11	5·0	10	7·8	10	7·5	11	5·1	10	8·8	10	7·1	11	4·7	10	6·8	11	4·8	12	3·8	13	4·5	...	...	5·7
11	08	5·9	09	6·8	12	4·4	12	5·1	12	7·2	10	8·4	10	6·7	10	8·2	11	7·3	10	4·5	10	7·9	11	6·6	12	5·0	15	3·9	...	...	6·1
Noon	09	4·9	10	6·4	12	4·1	10	6·2	10	7·4	10	7·5	10	7·3	10	9·5	10	6·5	11	6·4	10	8·3	10	6·1	11	4·1	13	3·6	...	...	6·1
13h	10	6·0	10	7·4	10	4·3	10	6·0	10	6·8	07	5·9	12	6·9	10	8·7	11	6·9	11	7·3	12	8·1	12	6·4	13	5·2	13	3·2	...	...	6·2
14	10	6·7	10	6·8	10	4·4	12	6·2	10	6·3	11	6·1	10	6·1	10	8·6	11	7·0	11	6·9	11	8·3	12	6·8	12	5·8	15	5·0	...	...	6·4
15	11	4·7	12	6·4	11	4·8	09	6·8	10	6·6	11	7·3	11	6·0	10	8·0	12	6·0	12	6·9	12	7·2	10	6·6	12	5·5	15	4·8	...	...	6·1
16	11	5·4	11	5·0	11	4·3	11	5·8	10	6·1	11	6·0	12	5·2	11	8·0	10	5·6	11	5·9	11	6·5	10	6·0	13	5·2	14	3·8	...	...	5·6
17	11	5·0	11	4·1	12	3·2	11	5·7	09	5·7	11	4·2	10	4·7	12	5·5	10	4·6	11	3·6	10	5·2	12	4·9	13	4·7	13	2·9	...	...	4·5
18	12	2·2	18	3·1	10	3·5	11	3·5	09	5·7	09	3·8	12	5·0	11	5·4	11	3·2	12	2·4	10	3·7	12	4·4	13	6·3	15	2·8	...	...	3·9
19	11	2·2	12	3·7	12	3·1	11	2·1	09	5·8	11	3·3	11	5·0	11	5·9	11	2·7	12	3·4	09	4·4	12	4·1	14	4·2	15	1·6	...	...	3·5
20	11	2·9	12	2·9	12	2·8	11	2·1	09	5·4	11	3·1	11	4·7	10	5·1	11	3·6	11	5·4	09	4·4	12	2·8	13	4·4	14	3·8	...	...	3·6
21	11	2·9	11	4·1	12	2·2	11	2·9	10	4·3	10	3·2	10	4·6	11	5·7	12	2·7	12	4·3	09	4·7	12	2·6	14	4·5	13	5·1	...	...	3·7
22	12	3·4	11	3·1	11	2·4	11	2·5	10	4·3	11	3·4	11	4·1	09	5·3	12	2·9	11	3·2	10	4·7	12	2·0	14	3·7	13	6·0	...	...	3·4
23	12	3·4	11	2·9	11	2·9	11	3·0	10	3·9	11	2·2	11	4·5	11	5·3	12	2·2	11	3·4	10	3·8	11	2·8	15	2·3	13	4·8	...	...	3·3

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), JUNE, 1936.

Hour	Force (0–12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W	W.S.W.	W.	W.N.W.	N.W.	N.N.W
3	...	1	29	...	...	...	...	...	8	21	1	...	...	...	...	...	...	...	...
9	...	7	23	...	...	...	...	6	11	12	...	1	...	...	...	...	...	...	...
15	...	22	8	...	...	...	...	8	6	15	...	1	...	...	...	...	...	...	...
21	...	2	28	...	...	...	...	5	8	16	1	..	...	...	...	...	...	...	...
Totals	...			...	...	...	...	19	33	64	2	2	...	...	...	...	...	...	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JUNE 1936.

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
	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	mm
1h	...	...	...	...	...	...	...	..	...	...	...	...	...	0·3	..	...	...	...	...	...	...	...	0·8	..	...	...	1·0	...	...	...
2	...	0·2	...	...	..	...	0·2	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...
3	...	0·3	...	0·1	...	0·2	1.1	...	...	...	0·1	...	...	...	...	...	...	...	..	...	...	...	0·2	..	...	...	0·2	...	...	...
4	...	...	...	...	...	0·1	0·1	0.1	...	...	...	...	...	...	...	...	...	...	...	...	..	0·2	...	0·2	...	..	...	...	...	...
5	0·1	...	...	0·9	...	.	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·3	...	...	...	..	0·2	...	...	...
6	...	...	...	0·3	...	...	0·1	0·2	...	...	..	...	...	...	...	...	...	0·1	...	...	0·3	0·1	...	...	...	...	0.3	...	...	...
7	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	0·1	...	...	...	...	...	1·7	..	...
8	0·7	...	...	0·3	...	...	..	...	0·1	...	...	...	...	...	...	...	...	0·1	..	0·1	0·4	...	...	...	...	...	...	0·7	...	...
9	0·8	...	...	3·8	...	...	...	...	...	...	...	...	...	0·1	...	..	...	..	...	...	...	...	0.2	0·2	...	...	...	0·1	...	...
10	...	...	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	..	...	...	...	...
11	...	...	...	1·5	...	..	0·1	..	...	...	...	..	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	..	...	...	...
Noon	0·6	...	...	...	..	...	0·6	...	0·1	...	..	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·1	...
13h	0·4	1·0	..	1·0	...	...	...	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
14	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	..	...	...	...	...	...
15	...	0·8	..	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	0·3	0·1	...	0·1	...	...	...	0·1	...
16	...	...	...	1·5	...	...	...	0·9	...	...	...	..	...	...	...	...	...	1·0	...	...	...	...	0.7	...	...	...	..	...	...	...
17	...	0 2	...	0·9	...	...	1 0	...	...	...	..	...	...	...	...	...	...	0.5	...	...	...	...	...	0·2	...	...	...	...	...	...
18	...	...	...	0·1	...	...	0·2	..	...	...	..	..	...	...	...	...	..	0·1	...	...	...	0·1	1·0	0·1	0.1	...	...	...	0·1	...
19	...	...	...	...	6·8	...	0·1	...	...	...	...	...	...	...	...	..	...	...	...	...	...	0·1	...	...	0·1	...	...	...	...	...
20	...	...	...	0·1	0·7	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	..	...	...	...
21	...	...	...	0·1	0·4	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...
22	...	...	..	...	0·2	...	...	...	...	...	...	...	...	...	...	.	...	0·1	...	0·1	...	...	...	...	0·3	0·6	...	...	...	...
23	...	...	...	...	0·7	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	1·0	...	...	...	...	...	...	0·1	0·2	..	...	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION VACOAS FOR JUNE 1936.

Hour \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20	21d	22d	23d	24d	25d	26d	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	mm	mm	mm	mm	mm	mm	mm	in
1h	...	...	0·3	1·4	...	1·9	...	...	0·2	...	...	...	0·2	1·5	...	...	...	...	...	...	...	0·5	..	0 2	...	0.4	1·3	...	...	..	...
2	...	0·2	...	0·3	...	3·8	...	0·2	...	...	...	..	...	0 9	...	...	...	...	...	...	...	0·9	0·5	...	...	...	0·8	...	...	...	...
3	...	...	...	1·2	...	1·5	0·3	...	...	...	...	. .	...	...	...	...	...	...	...	...	0·1	0·4	0·3	0·2	...	...	1·2	...	..	...	...
4	...	...	...	2·5	...	3·3	...	0·9	...	...	...	...	...	0·2	...	...	...	...	...	...	1·3	...	0·2	...	...	...	0·5	0·6	...	...	...
5	0·4	...	...	5·9	...	0·9	0·5	..	...	...	...	...	...	...	...	...	...	..	...	...	0·9	0·2	0·1	...	...	...	1·7	0.2	0·5	...	...
6	0·3	...	...	1·2	...	...	1·8	4·1	...	...	...	...	...	...	...	...	...	0·7	...	...	2·3	0·9	0·1	...	...	...	0·2	0·2	0 2	...	...
7	0·6	...	...	6·1	...	...	0·1	0·5	...	...	...	...	...	...	...	...	...	0·4	...	...	2 8	...	...	...	...	...	0·3	...	0·5	...	...
8	0·4	...	...	0·2	...	..	...	0·2	0·3	...	...	...	...	...	...	...	...	0·5	...	...	0·5	0·4	0·8	0·1	...	0·1	0·9	0·6	...	...	...
9	0 2	...	...	1·4	0·3	...	0·1	0·2	0·3	..	...	...	...	...	...	...	..	0·4	...	...	0·7	...	0·5	...	...	...	2·0	0·5	0·2	...	...
10	...	...	...	3·4	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3	...	...	...	0·3	0·3	...	...	...
11	0·4	...	...	1·8	..	..	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	0·9	...	...
Noon	1·1	...	...	0 9	...	...	0 3	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	0.2	0·2	. .	3·7	...	...	...	0·4	...	...	.	...	...	...	...	..	...	...	...	...	...	0·2	...	...	...	...	...	..	...	0·1	...
14	0·3	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	0·3	0·4	...	...	...	...	...	...	0·2	...
15	...	0 2	...	0·1	...	...	0.1	0.1	...	...	...	...	...	...	...	...	..	...	..	...	...	...	0·6	. .	0·2	...	...	...	0·2	...	...
16	...	0·2	..	0·9	...	...	...	0·2	...	...	..	...	...	...	...	...	...	...	...	...	...	0·3	1·2	0·6	...	...	...	...	0·3	...	..
17	...	0·5	...	2·9	..	...	...	...	...	...	...	...	...	...	..	...	...	0·3	...	...	0·1	...	1·2	0.4	...	0·9	...	...	0·5	...	...
18	0·4	0·7	...	1·3	0·3	.	0·3	...	...	...	...	0·4	..	...	...	...	...	1·0	...	...	...	...	2·6	0·9	0·3	0·1	...	...	0·1	..	...
19	...	0·3	0·4	0·9	2·3	...	0·8	...	...	...	...	...	...	...	...	...	...	0·7	...	...	0·1	0·3	2.9	...	0·1	...	...	...	...	...	...
20	...	0·1	0.9	0·5	1·6	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·8	...	0·1	0·4	...	...	...	...	...
21	...	0·1	...	..	1·1	...	0·1	...	...	..	. .	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·2	0·9	0·1	...	...	0.5	...
22	0·3	...	...	...	1·6	...		...	...	...	...	0·4	...	...	...	...	...	0·5	..	...	0·3	0·2	...	...	0·3	1·3	0·1	0·1	...	0.3	...
23	...	...	...	...	0·3	...	...	...	...	...	...	3·3	1·8	...	...	...	...	..	...	...	...	...	...	...	...	0·7	...	...	..	1.3	...
24	0·3	...	...	...	1·8	...	...	...	...	...	...	0·4	1·0	...	...	...	...	...	...	...	...	0·1	0·2	...	0·1	1·9	...	...	...	0·6	...

TABLE XV—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF JUNE 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	1·27	32·3	2·41	7
	St. Antoine	50	1·26	32·0	2·40	10
	Belmont	50	1·89	48·0	2·85	10
	Poudre d'Or	20	2·79	70·9	2·74	10
	Mon Loisir S. E.	300	1·63	41·4	3·91	13
	Forbach	300	1.56	39·6	2·55	10
*	Couroupa...	...	2.02	51·3	2·43	14
*	Labourdonnais	290	1·93	49·0	3·02	8
	Mapou (Water Office) ...	...	1·05	26·7	...	7
	Beau Séjour	300	1·58	40·1	4·05	18
	Mont Piton	650	2·03	51·6	4.59	16
	Mon Choix	700	1·45	36·8	4·36	16
	Antoinette	640	2.58	65·5	4·20	20
	Mon Songe	620	2·48	63·0	4.48	15
	Botanical Gardens... ...	325	3·09	78·5	3·01	26
*	The Observatory	179	1·71	43·4	2.41	23
	Solitude	175	1·75	44·5	1·38	12
	St. André (Cour)	90	1·35	34·3	1·87	6
	La Nicolière	...	4·23	107·4	5·42	19
	California	...	3.44	87·4	4·71	13
	Australia	...	3·16	80·3	...	13
2 & 3	Union Régnard S.E.(Flacq)...	600	3·38	85·9	5·04	19
	Constance d'Arifat L.G. ...	100	3·11	79·0	4·18	20
	Rich Fund	600	3·03	77·0	4·57	21
	La Joffrette	...	1.46	37·0	...	13
	Belle Vue (Allendy) ...	...	2·59	65·8	3·74	12
4	Sans Souci	900	10.56	268·2	10·16	26
	Beau Champ (G.R.S.E.) ..	20	1·51	38·4	4·10	16
	Olivia	400	3·81	96·8	6.03	19
	Trois Ilots	...	2·05	52·1	...	19
	Belle Rive	400	5·53	140·5	6·27	26
	Sébastopol	700	8·21	208·5	...	21
	Bonne Veine	400	7·40	188.0	6·55	21
5	Rose Belle	850	7·35	186·7	8·31	23
	New Grove	650	6·07	154·2	...	22
	Mon Trésor	...	2.91	73·9	...	17
	Mon Désert (Carié) ...	75	1·23	31·2	3·78	15
	Ferney	20	2.14	54·4	6·20	14
	Sauve Terre	...	20·4	51·8	...	15
6	Tivoli	1,300	8·18	207·8	9·35	26
	La Flora...	1,050	7·92	201.2	8·16	26
	Riche Bois (Brit.) ...	650	3·51	89·2	5·87	22
	Britannia (Estate) ...	700	4.00	101·6	8·19	25
	Savannah (Mill) ...	200	2·12	53·8	4·81	16
	St. Aubin	300	2·19	55·6	4·94	14
	St. Avold	900	6·58	167·1	7·72	26
	Colmar	400	4·53	115·1	6·75	20
	Union S. E.	...	2.21	56·1	3·37	12
	Fontenelle	320	4·80	121·9	4·61	13
	Choisy	200	3·18	80·8	3·25	16
	Beau Bois	...	5·84	148·3	8·51	18
	Bel Air	...	2·33	59.2	3·42	11
	St. Félix	...	3·48	88·4	...	11
7,8,9 & 10	Bel Ombre	40	3·54	89·9	3·64	1[illegible]
	Beau Champ (B. du Cap)	70	3·41	86·6	3·05	16
	Frédérica	...	5·25	133·4	3·27	20
	Pierre Fond	...	1·96	49·8	1·11	18
	Ste. Marie	...	5·16	131·1	...	16
	Hussonia Limited .	..	1·04	26·4	...	7
11	Curepipe Gardens ...	1,840	14·43	366·5	7·55	29
	Mare aux Vacoas (G.E.)	1,850	11·24	285·5	7·79	23
	Mare aux Vacoas (Arn.)	1,830	12·74	323·6	10·62	24
	La Marie Filter Bed ..	1,700	8·18	207·8	6·20	23
*	Sophie	...	11.65	295·9	...	23
	Réunion	1,420	7·01	178·1	4·60	22
*	Aerological Station ...	1,393	5·88	149·3	3·85	24
	Phœnix	...	4.65	118·1	3·77	15
	Quatre Bornes... ...	...	2·85	72·4	...	18
12	Quatre Bornes (Board) ...	1,090	2·52	64·0	...	7
*	Le Réduit (D. of A.) ...	1,000	2·83	71·8	2·33	26
	Alma...	1,460	7·37	187·2	7·84	20
	Bagatelle	1,250	6·91	175·5	4·33	22
	Highlands	1,300	6·23	158·2	4·78	22
	Trianon	950	3·31	84·1	2·71	21
	Val Ory	1,100	2·84	72·1	3·10	22
	Bassin	...	2·34	59·4	1·35	18
	Hermitage	1,450	12·70	322·6	7·10	22
	Ebene	...	3·74	95·0	...	21
	Bega...	...	2·51	63·8	...	21
	Mon Rêve	...	4.05	102·9	...	21
	Mont Pevril	...	40·2	102·1	...	21
	Minissy	1,150	4·22	107·2	3·00	21
	Plaisance	...	1·00	25·4	...	6
	La Ferme	350	0·36	9·1	1·35	9

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of JUNE 1936.

Day	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	11	95	23·2*	98	15·3*	...	..	...	...	...	...	...	...	13¼	100	10·6*	98	8·1*	...	..	...	...	...	...	...	...
2	11¼	89	14·8*	75	46.0	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	11¾	105	23·3	105	11·6	...	...	...	...	...	...	...	...	14¼	115	22·0*	113	25·8*	...	...	...	..	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	..	..	...	...
5	11¼	150	20·7*	...	...	...	..	...	...	...	...	...	...	13¾	91	20·9*	...	...	...	...	...	...	...	...	...	...
6	9½	...	...	...	...	225	...	...	...	...	...	...	...	14	112	16·7*	110	16·5*	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	10¼	...	...	90	38·6	315	3·8	...	...	...	...	...	...	13	105	17·1*	90	12·4	60	2.9*	...	..	...	...	...	...
9	11	...	...	120	51*	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
10	11¼	122	17·0*	117	11·1*	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	9¾	125	22·7*	120	15·3*	...	...	...	...	...	...	...	...	13½	130	15·1*	142*	15·6	...	...	...	...	...	...	...	...
13	..	...	...	...	...	...	..	..	...	...	...	...	...	13¾	127	9·8*	135	14·6*	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
15	...	...	...	...	..	...	...	...	...	...	...	...	...	13½	102	9·0*	122	13·2*	...	...	...	...	...	...	...	...
16	11¼	112	10·3*	142	15·9*	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	90	14·8	80	14·1	...	...	...	...	...	..	...	...
18	11	120	24·4*	103	19·0*	...	...	...	...	...	...	...	...	13¾	105	14·0*	60	6·6*	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
20	11¼	112	6·6*	90	10·2*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
22	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
24	11¼	105	28·3*	120	23·0*	...	...	...	...	...	...	...	...	14¼	90	24·3	90	18·1	..	...	...	...	...	...	...	...
25	11¼	...	...	120	15·9*	95	18·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	11	...	...	130	17.1*	120	12·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
27	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	11¼	160	10·2*	170	10·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec.

* Observatory Pamplemousses.

237/2/37—R.A.O. 250

NEW SERIES (MONTHLY) VOL. XXII. PART 7. PRICE 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JULY, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1937

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF JULY 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HRH : 10000	ZRZ : 10000
JULY	° ′			′				
1	13°11·3	·22501	·29680	5·2	39	16	88	47
2	10·8	464	685	6·0	85	39	191	116
3	11·5	459	688	5·5	63	30	141	89
4	11·9	476	686	5·5	19	23	43	68
5	11·7	476	683	7·0	78	36	175	107
6	12·1	469	691	5·7	77	23	173	68
7	11·7	475	689	4·3	45	23	101	68
8	11·3	486	685	4·2	30	26	67	77
9	11·7	488	688	5·3	36	25	81	74
10	11·2	482	690	2.7	82	14	184	41
11	11·8	464	691	7·0	57	24	128	71
12	11·2	483	692	4·5	45	12	101	36
13	11·1	474	691	5·2	38	23	85	68
14	11·8	481	687	6·7	21	29	47	86
15	11·6	484	688	4·7	19	34	43	101
16	11·7	485	691	5·5	30	18	67	53
17	11·7	489	687	7·0	34	24	76	71
18	10·4	501	690	4·3	40	16	90	48
19	11·5	490	688	3·2	28	24	63	71
20	11·4	489	689	7·5	43	28	97	83
21	11·8	490	689	4·7	22	26	50	77
22	11·6	496	690	2·7	32	10	72	30
23	11·5	492	688	4·7	19	27	43	80
24	11·5	497	690	4·0	24	24	54	71
25	11·6	509	689	5·5	46	22	104	65
26	11·2	501	691	5·8	22	25	50	74
27	11·7	502	692	5·0	44	16	99	47
28	11·3	502	695	4·0	34	16	77	47
29	11·3	...	694	3·5	...	22	...	65
30	11·7	476	693	6·5	51	45	115	134
31	11·6	485	692	8·0	23	31	52	92
Mean	13°11·49	·22486	·29689	5·21	40·9	24·2	91·9	71·8

Description of the Principal Magnetic Disturbances.

Declination.—2d. Slightly disturbed trace.
5d. and 6d. Feeble pulsations at times on the trace.
10d. and 11d. Slightly disturbed trace.
18d. Feeble pulsations at times on the trace.
29d. Faint pulsations at times on the trace.

Horizontal Force.—2d. Disturbed. Considerable increase on the daily range. Small oscillations superposed on the fluctuating trace.
5d. Sudden commencement at $6^h 20^m$ of a slightly disturbed period. This lasts throughout 6d. and ends during the last hour of 7d.
6d. 12^h to 22^h. Irregular fluctuations with small oscillations superposed.
7d. 2^h. Large positive wave (35γ).
10d., 11d., 12d. Slightly disturbed. 11d. Frequent small pulsations on the disturbed trace. 11d, 19^h. 30^m—11d. $20^h.00$ Sudden important increase (40γ).
17d. and 18d. Slightly disturbed.
28d. Feeble pulsations on the trace at times.
29d. Somewhat disturbed. Irregular oscillations of some importance during the second half of the day.

Vertical Force.—2d. Slightly disturbed. Frequent small pulsations on the trace.
5d. Sudden commencement at $6^h.20^m$ of very slightly disturbed period. Frequent small pulsations on the trace on 6d.
10d. and 11d. Slightly disturbed Small irregular pulsations on the trace.
18d. Slightly disturbed—Small pulsations on the trace.
29d. Slightly disturbed.

T=·37244. Mean Dip=52° 51·62′: (X=·21892 : Y=—·05131 : Z=·29689).

† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JULY 1936.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
d h m	° ′	d h m		d h m	° ′	
3·14.36	13·08·8	1·12·15	·22502	3.14.26	52.50.82	·29671
7·14·45	13·10·4	4· 9·20	·22494	7·14·30	52·53·31	·29681
10·14·10	13·10·0	8· 9·32	·22503	10·14·00	52·49·50	·29681
17·10·54	13·13·6	10 9·04	·22507	17 10·45	52·50·12	·29696
28·12·17	13·12·9	15· 9·24	·22485	28·12.03	52·49·75	·29696
		20·12·10	·22517			
		23· 8·59	·22498			
		29· 9·29	·22504			

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

JULY 1936.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	11·7	11·0	14·0	11·3	11·7	11·3	12·5	11·0	11·0	12·0	11·0	13·0	11·5	12·0	12·0	11·7	Midnight
1h	11·3	11·0	13·5	12·0	11·5	11·7	12·0	11·5	11·3	11·5	13·0	12·0	11·0	11·7	11·5	11·7	1h
2	11·0	10·5	12·5	11·7	11·7	12·0	10·0	11·5	11·5	11·3	11·5	11·5	11·0	11·7	11·5	11.5	2
3	11·0	10·7	13·3	12·0	11·3	12·5	11·0	11·3	11·5	11·5	12·0	10·0	11·0	11·7	11·7	11·0	3
4	10·7	11·2	13·0	12.0	12·0	11·5	10·0	11·0	11·7	10·7	12·3	11·0	11·0	12·0	11·5	11.5	4
5	11·3	11·0	10·5	11·7	12·0	11·0	10·3	10·7	12·0	11·0	11·0	10·3	10·3	11·7	11·5	11·5	5
6	11·0	10·5	12·3	11·7	12·0	11·0	09·7	11·5	12·0	11·5	10.5	08·5	10·0	11·7	11·0	11.5	6
7	10·0	10·3	11·0	11·0	11·0	10·3	10·0	10·5	11·0	10·3	08·0	08·7	09·0	11·0	10·7	08·5	7
8	10·5	10·5	10·5	12·0	10·5	10·7	10·5	10·3	10·3	10·7	09·0	09·0	10·0	11·5	11·3	10·0	8
9	12·0	11·5	11·5	13·0	12·5	12·5	12·0	10·7	11·5	10·0	10·5	10·5	12·0	13·0	13·5	11·0	9
10	13·3	12·0	12·0	15·0	13·3	14·0	13·3	12·0	12·5	10·7	12·7	12·0	13·0	15·0	14·0	12.0	10
11	13·7	12·0	11·7	14·0	15·0	15·0	14·0	13·5	13·0	11·0	13·5	13·0	13·7	14·5	13·0	13·7	11
Noon	13·0	10·0	11.0	13·0	14·0	13·5	13·5	12·0	14·0	11·3	13·0	13·0	13·5	14·0	12·5	14·0	Noon
13h	11·0	08·0	09·5	11·0	12.0	13·0	13·0	10·5	13·0	11·0	10·0	11·0	11·0	11·5	11·0	13·0	13h
14	09·0	09·5	08·5	10·3	09·5	10·0	12·0	09·5	11·0	10·0	10·0	10·0	09·0	10·3	10·0	11·0	14
15	08·5	09·0	08·7	09·5	08·0	09·3	11·0	09·3	09·5	10·0	10·0	09·3	08·5	08·5	09·3	10·0	15
16	09·3	09.3	09·3	10·0	09·3	10·0	10·5	09·7	08·7	10·0	10·0	09·5	09·0	08·3	10·0	10·0	16
17	11·0	08.0	10·5	11·5	10·0	12·0	11·5	11·0	10·0	11·0	11·5	11·0	10·0	10·0	10·5	11·5	17
18	12·0	09·7	11·3	12·0	11·0	13·0	12·0	12·3	12·0	12·3	13·3	12·3	11·0	11·5	12·0	12·5	18
19	12·3	10·0	12·5	12·3	12·3	13·3	12·5	12·7	12·0	12·5	13·0	12·7	12·0	12·0	12·0	12·0	19
20	12·3	12·5	12·3	12·3	12·5	13·7	12·7	13·0	13·0	12·5	14·0	13·0	12·5	12·3	12·0	12·5	20
21	12·0	13·0	12·5	12·3	12·3	13·3	12·5	12·5	12.3	12·7	15·0	12·7	12·7	12·3	12·3	12·5	21
22	12·0	14·0	12·5	12·0	12·7	12·7	12·3	12·0	12·5	12·5	14·0	13·0	12·5	12·5	12·2	12.7	22
23	12·0	13·0	12·0	12·0	12·0	12·7	12·5	11·0	12·3	12·0	13·5	12·7	12·0	12·3	12·0	12·7	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′		
Midnight	12·0	11·7	11·0	11·0	11·5	11·5	11·5	11·3	11·7	11·7	11·7	12·0	12·5	14·0	12·5	11·8	Midnight
1h	11·7	11·0	11·3	11·7	11·5	11·5	11·7	11.5	11·3	11·7	11·0	12·0	12·2	14·0	12·0	11·8	1h
2	11·5	11·0	11·5	12·0	11·7	11·5	11·5	11·7	11·5	11·0	11·0	11·7	12·0	13·5	12.3	11·5	2
3	11·0	11·0	12·0	12·2	12·0	12·0	12·0	12·0	11·3	11·0	11·3	11·5	12·0	13·3	12·0	11·6	3
4	11·0	12·0	12·0	12·3	12·0	12·0	12·0	11·8	11·5	11·5	11·0	11·3	11·5	13·0	12·0	11·6	4
5	11·7	11·5	11·7	12·3	11·8	12·0	11·7	11·7	11·0	11·0	11·0	10·0	11·0	12·0	11·5	11·3	5
6	11·5	12·0	11·0	11·7	11·5	12·0	11·5	11·5	10·7	10·7	11·0	10·7	11·0	10·5	11·5	11·1	6
7	08·0	09·5	10·7	10·7	10·3	11·0	10·5	10·7	10·0	10·0	11·0	09·5	10·3	10·0	10·7	10·1	7
8	08·7	07·7	12·0	11·0	11·0	11·0	10·5	11·0	10·0	10·0	11·5	08·0	10·7	10·0	11·5	10·4	8
9	10·0	09·0	12·0	13·0	12·5	11·3	11·0	11·7	11·0	12·0	12·5	10·0	10·5	12·5	13.0	11·6	9
10	11·5	09·5	12·7	14·5	13·0	11·7	12·5	12·3	13·0	13·0	12·3	12·5	12·0	13·5	14·3	12·8	10
11	14·0	10·0	12.7	14·0	13.7	12·0	13·5	13·0	14·5	13·5	14·0	13·0	13·0	13·0	15·0	13·3	11
Noon	15·0	09·3	12·5	11·0	13·5	12·0	13·7	13·0	14·0	13·0	14·0	13·0	13·5	11·5	13·0	12·8	Noon
13h	13·5	09·0	11·5	09·0	13·5	11·0	12·5	11·5	14·0	10·5	13·0	12·0	11·3	11·0	11·0	11·4	13h
14	12·0	08·2	10·3	08·0	11·0	11·0	10·5	10·3	10·0	08·5	11·0	11·0	09·0	10·0	07·0	09·9	14
15	10·3	08·5	09·7	07·0	10·0	10·0	09·5	09·0	09·0	07·7	09·5	09·0	07·0	07·5	07·5	09·0	15
16	10·3	09·3	09·5	08·5	09·0	10·5	09·0	09·0	09·0	08·2	09·0	09·0	08·0	08·0	08·5	09·3	16
17	11·0	10·5	10·5	11·0	10·0	11·0	10·0	10·0	10·5	10·0	10·5	10·0	09·0	10·0	10·0	10·5	17
18	12·5	11·5	11·5	12·0	11·7	12·0	11·0	11·0	12·0	12·0	12·0	12·0	09·0	12·0	11·5	11·7	18
19	13·0	11·7	12·0	12·5	12·3	12·5	12·3	12·0	12·5	12·3	12.3	12·5	11·0	12·5	12·5	12·3	19
20	13·0	12·0	12·0	12·5	12·5	12·7	12·3	12·0	12·5	12·5	12·7	12·7	12·7	12·5	12.3	12·6	20
21	13·0	11·3	11·7	12·3	12·3	12·5	12·0	12·3	12·3	12·3	12·5	12·5	12·5	12·7	12·7	12·5	21
22	12·7	11·5	11·7	12·0	13·0	12·3	12·0	12·5	12·0	12·0	12·5	12·7	14·3	12·5	12·5	12.5	22
23	13·0	11·7	11·5	12·0	12·0	12·0	11·7	12·2	12·0	12·0	12·0	12·5	15·0	12·3	12·3	12·3	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 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	485	497	427	470	479	470	450	472	479	471	455	461	471	477	477	480	Midnight
1h	484	498	432	469	481	472	455	477	478	470	460	458	480	477	481	487	1h
2	485	502	433	468	478	475	491	480	478	475	469	462	492	479	483	483	2
3	490	502	440	469	480	470	470	481	481	481	470	470	487	479	483	485	3
4	491	510	439	470	481	473	486	482	482	482	462	474	483	480	485	487	4
5	492	520	458	472	482	480	478	490	483	492	470	482	484	481	486	488	5
6	498	528	460	473	485	486	475	492	489	493	475	487	492	482	487	497	6
7	504	537	464	478	505	475	482	495	493	497	475	489	496	487	491	495	7
8	512	549	468	480	513	480	480	497	499	509	479	498	485	491	490	502	8
9	520	527	467	482	510	485	491	500	504	503	492	500	478	492	491	497	9
10	522	523	472	485	508	482	492	499	510	509	497	506	473	489	489	494	10
11	523	522	478	487	507	493	495	490	511	510	483	503	474	490	492	492	11
Noon	520	512	480	483	503	502	491	492	505	512	477	492	480	490	494	491	Noon
13h	519	490	490	480	493	490	470	493	490	505	470	495	470	491	485	487	13h
14	510	458	486	472	469	500	455	493	490	510	460	498	460	480	478	485	14
15	497	420	475	475	445	490	460	490	491	500	465	490	462	473	477	485	15
16	489	379	460	472	435	460	469	486	489	480	448	479	462	471	476	479	16
17	492	365	450	470	437	440	465	483	487	475	440	477	458	472	475	472	17
18	493	367	450	472	442	439	479	482	485	477	440	480	460	479	481	475	18
19	495	364	455	475	450	425	479	482	477	465	443	479	463	479	482	475	19
20	498	370	460	477	457	427	480	481	479	442	475	481	470	480	481	477	20
21	500	400	461	476	457	450	473	475	480	430	447	478	470	477	482	475	21
22	499	409	462	477	455	449	466	470	480	442	442	480	465	478	483	481	22
23	498	430	470	475	470	448	465	472	475	445	445	477	465	475	480	480	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT)																
Midnight	480	480	485	488	480	485	489	490	497	492	495	500	495	446	479	476·9	Midnight
1h	482	489	489	487	482	487	488	491	499	490	494	492	497	451	479	478·6	1h
2	488	499	491	490	483	489	487	491	501	504	495	489	493	470	480	483·0	2
3	492	510	492	490	487	491	486	491	502	502	497	491	497	470	480	484·0	3
4	500	510	485	490	489	491	489	491	501	500	500	492	500	470	482	485·2	4
5	490	500	485	490	487	493	491	492	505	500	501	500	510	472	485	487·6	5
6	485	509	490	491	490	495	493	498	512	507	503	497	...	475	489	491·1	6
7	489	510	494	497	496	498	497	500	517	507	507	503	...	483	492	495·1	7
8	487	516	500	502	498	500	500	502	523	509	510	512	...	487	492	499·0	8
9	507	515	502	500	497	502	501	504	530	512	514	523	...	483	499	500·9	9
10	511	512	502	498	492	503	499	509	535	511	520	513	...	497	498	501·7	10
11	509	517	503	495	492	507	501	503	537	510	522	515	...	490	500	501·7	11
Noon	506	516	504	500	497	510	502	498	534	511	531	517	...	487	496	501·1	Noon
13h	499	517	493	507	502	515	490	507	533	509	518	515	...	482	490	496·5	13h
14	494	520	491	514	502	517	483	512	531	511	510	502	...	485	480	491·9	14
15	493	509	491	499	492	510	490	505	520	505	501	498	...	482	479	485·6	15
16	479	495	489	480	487	492	489	490	505	498	499	500	487	466	480	476·1	16
17	481	485	476	480	484	489	487	485	493	491	493	499	465	465	478	471·5	17
18	482	485	477	479	486	488	489	487	491	490	491	502	455	470	481	473·3	18
19	481	481	480	476	487	485	490	491	493	491	491	495	430	472	481	472·7	19
20	479	486	485	471	486	485	490	492	494	491	488	492	431	473	481	474·3	20
21	476	484	487	475	484	487	489	493	493	491	487	496	440	475	477	474·2	21
22	475	485	486	472	483	487	488	495	492	492	487	497	442	477	483	474·6	22
23	480	484	485	474	483	489	487	495	491	492	487	500	450	478	482	475·9	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 1936

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	682	681	699	690	689	691	694	691	691	692	697	693	691	693	691	690	Midnight
1h	682	681	696	690	687	690	693	691	691	692	699	693	692	692	691	690	1h
2	683	681	693	689	687	690	689	690	691	691	693	694	691	692	691	690	2
3	683	681	693	689	687	690	689	689	691	691	693	692	691	693	691	691	3
4	683	683	693	689	686	689	689	689	690	690	694	693	691	694	691	691	4
5	684	681	690	690	687	689	689	688	690	689	692	692	691	694	692	691	5
6	684	681	691	690	687	689	689	689	690	690	691	690	691	695	692	692	6
7	683	680	689	689	685	687	689	686	685	687	688	690	690	693	691	690	7
8	682	680	687	691	684	691	693	689	687	689	689	692	692	693	693	691	8
9	682	681	689	692	687	699	699	690	691	689	695	696	699	692	699	695	9
10	682	681	688	690	689	702	700	690	693	689	700	696	700	693	699	699	10
11	681	679	682	682	682	700	699	689	697	688	698	693	697	688	691	699	11
Noon	677	671	680	677	673	693	691	681	692	690	692	693	690	681	682	695	Noon
13h	670	666	670	670	661	686	679	667	685	686	683	689	681	667	665	689	13h
14	668	673	669	669	659	680	678	665	679	683	680	684	677	666	667	687	14
15	669	675	676	670	663	679	679	670	672	685	676	688	678	667	673	681	15
16	671	680	682	676	675	682	677	674	673	689	680	688	682	674	680	681	16
17	680	687	689	684	682	693	685	681	681	691	689	691	690	685	687	686	17
18	683	694	691	689	689	694	689	687	688	691	691	694	694	691	691	691	18
19	683	699	693	690	691	696	690	689	689	690	692	693	695	691	691	691	19
20	682	705	693	691	692	697	691	690	691	693	693	693	696	691	692	692	20
21	682	702	693	691	691	694	691	690	690	696	691	692	694	691	692	691	21
22	681	701	692	690	695	695	692	691	691	695	692	692	693	691	691	691	22
23	681	700	691	690	692	694	693	691	691	697	692	692	692	691	691	690	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	690	689	692	691	694	693	692	693	694	695	694	693	696	701	695	692·2	Midnight
1h	689	688	691	691	693	692	692	692	693	695	694	693	695	701	694	691·7	1h
2	689	686	691	691	692	691	692	691	692	693	694	694	695	701	694	691·0	2
3	687	687	690	691	691	691	693	691	692	693	693	695	695	700	694	690·9	3
4	687	687	691	691	691	691	691	691	692	693	693	695	694	700	694	690·8	4
5	688	689	691	691	691	690	690	690	691	693	693	694	695	700	694	690·6	5
6	690	690	691	691	691	690	690	690	691	692	692	693	694	699	695	690·6	6
7	686	684	690	690	690	689	689	689	689	691	691	691	693	697	693	688·8	7
8	687	685	693	692	692	690	691	691	690	691	693	692	695	699	697	690·4	8
9	691	694	695	693	697	691	693	696	692	695	696	699	696	703	699	693·7	9
10	693	696	693	697	697	693	696	699	694	700	694	705	699	708	697	695·2	10
11	691	699	687	690	695	691	695	699	691	697	692	703	690	701	690	692·1	11
Noon	691	693	680	680	690	690	690	696	685	691	691	701	689	690	680	686·9	Noon
13h	684	690	675	673	680	686	677	691	679	683	693	696	682	681	670	679·2	13h
14	673	685	671	669	675	683	671	681	673	675	686	691	682	670	669	675·4	14
15	669	683	672	671	671	684	669	675	673	677	680	689	681	663	677	675·3	15
16	671	683	677	679	672	683	672	675	682	681	680	689	689	673	689	679·3	16
17	680	689	683	687	680	686	681	680	691	689	687	693	691	687	694	686.4	17
18	688	695	689	692	688	690	689	687	693	692	692	698	693	694	699	691·2	18
19	690	697	691	693	691	691	691	689	693	693	693	696	699	695	700	692·4	19
20	691	697	691	695	692	692	692	691	693	693	694	697	701	695	697	693·3	20
21	691	697	692	694	693	693	692	691	692	693	694	698	703	696	699	693·2	21
22	691	694	692	696	694	693	692	692	693	693	695	696	702	695	697	693·2	22
23	692	693	693	695	695	693	693	693	695	693	695	696	701	695	695	693·1	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JULY 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100).	Vapour Pressure.	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
JULY	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	971·5	16·2	1·0	14·3	89	16·2	110	6·7	9	14·8	16·0	16·4	15·0	23·6	14·4	9·2	4·0	70	5.2	48
2	972·4	17·9	3·0	12·4	70	14·3	100	6·3	9	14·0	16·1	18·3	15·3	20.0	14·0	6·0	1·3	8	6·9	63
3	972·7	17·3	1·8	14·0	81	15·8	110	5·4	9	14·6	15·9	18·2	15·4	19.5	14·3	5.2	3.5	50	7·6	70
4	973·9	17·4	3·2	11·5	68	13·5	110	11·2	10	14·7	15·5	18·5	15·0	19·5	14·6	4·9	6·1	118	4·1	38
5	975·5	15·5	1·2	13·3	86	15·1	110	12·5	10	15·0	14·0	14·8	14·0	16·5	14·5	2·0	1·8	20	0.2	2
6	974·7	16·9	1·1	14·8	88	16.7	110	8·9	9	14·2	14·5	15·7	15·5	18·4	13·5	4·9	9 8	182	0·9	8
7	973·5	18·0	0·8	16·5	91	18·6	90	7·2	10	15·9	16·6	17·6	17·2	18·0	15·5	2·5	9 7	387	0·2	2
8	973·7	18·2	0·5	17·3	95	19·6	110	8·1	10	17·2	17·6	18·4	17·2	19 5	17·2	2·3	8·8	186	1·8	17
9	973·4	17·9	0·7	16·6	92	18·7	95	6·7	10	17·2	16·9	19·0	17·2	20·6	16·6	4·0	2·7	31	4·5	41
10	973·1	18·9	0·5	18·0	94	20·4	105	4·9	10	17·1	17·3	18·6	17·1	20·0	16·9	3·1	2·1	63	3·4	31
11	973·3	18·8	2·7	13·9	73	15·7	110	4·5	8	16·0	17·1	18·7	16·6	19·9	14·9	5·0	0·1	1	4·3	39
12	975·0	18·5	2·1	14·7	79	16·6	105	7·2	10	16·2	16·8	18·5	17·1	20·2	15·9	4·3	1.8	34	6·6	60
13	974·6	19·5	3·1	13·9	70	15·7	110	8·1	7	16·3	17·7	19·0	17·3	20·4	16·0	4·4	7·4	161	6·6	60
14	973·5	18·7	2·2	14·7	78	16·6	90	7·2	9	17·0	17·6	20.0	17·6	21·0	15·4	5·6	1·5	19	6·6	60
15	973·4	18·8	2·5	14·2	75	16·1	70	3·6	8	15·2	17·7	22·0	17·9	22·6	14·2	8·4	3·4	44	7·8	71
16	973·4	19·4	3·1	13·8	70	15·6	90	4·0	8	17·2	17·0	20·4	15·7	21·5	15·7	5·8	0·1	3	9·6	87
17	973·6	19·3	3·2	13·5	69	15·4	120	7·2	2	15·0	17·0	20·3	17·0	21·3	13·1	8·2	0·0	...	10·6	96
18	973·6	20·1	3·8	13·3	65	15·1	110	7·6	4	15·4	16·8	20·6	16·9	21·3	14·3	7·0	0·0	...	10·7	97
19	972·8	19·9	3·1	14·3	71	16·2	110	8·5	4	16·9	17·7	20·6	16·8	21·4	16·6	4·8	0·0	...	9·7	88
20	973·1	19·9	2·1	16·1	79	18·1	110	4·9	9	16·0	18·7	20·0	17·9	21·0	15·6	5·4	2·3	37	9·4	85
21	974·1	19·0	1·6	16·1	83	18·1	100	8·1	9	17·6	17·9	19·5	17·6	21·1	17·0	4·1	4·4	47	6·4	63
22	974·8	17·3	1·9	13·8	80	15·6	110	5·8	10	16·0	16·5	18·8	15·2	20·6	14·8	5·8	0·6	17	7·4	67
23	974·2	18·3	3·4	12·1	67	14·0	110	9·4	4	14·9	15·6	19·1	16·4	20·2	14·7	5·5	3·7	97	6·7	60
24	974·9	18·3	3·4	12·1	67	14·0	100	9·8	7	15·6	15·5	17·4	16·8	20·0	15·4	4·6	0·7	10	7·5	68
25	974·8	16·4	1·1	14·3	88	16·2	110	9·8	10	15·9	15·5	17·8	16·0	19·0	15·5	3·5	5·4	102	5·2	47
26	973·5	17·0	0·8	15·5	91	17·4	105	8·1	7	14·2	14·9	16·5	16·0	19·6	14·2	5·4	8·9	144	5·4	49
27	973.0	18·3	1·7	15·2	82	17·1	100	7·2	8	14·8	17·0	20·0	15·7	20·8	14·6	6·2	1·5	29	9·6	86
28	972·4	17·5	0·6	16·4	93	18·5	100	7·2	10	15·9	16·3	18·0	16·6	19·6	15·6	4·0	7·8	154	4·2	38
29	971·6	17·3	1·0	15·5	89	17·4	90	4·9	9	16·0	16·0	20·0	16·8	20·7	15·4	5·3	3·9	42	8·0	72
30	972·1	18·9	3·6	12·3	66	14·2	105	5·8	7	16·6	16·1	20·0	14·1	20·6	15·6	5·0	0·0	...	8·8	79
31	972·7	19.5	4·6	11·2	59	13·2	90	4·5	4	14·0	16·0	20·6	16 7	21·4	13·5	7·9	0·0	...	9·7	87
Mean	973·4	18·2	2·2	14·4	78·9	16·3	...	7·1	8·1	15·7	16·0	18·8	16·4	20·3	15·1	5·2	103·3	2026	6·31	57·4
Average	972·0	18·9	2·0	15·4	80·4	17·5	...	4·8	5·8	...	...	...	...	20·8	14·9	5·9	120·9	...	7·09	64·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	43·0mbs.	Amount of rain	—	70·4mms.
Temperature of the Air	+	3·1°C	Duration of sunshine	+	23·9hrs.
Vapour Pressure	+	0·1mbs.	Mean of maximum temperatures	+	3·2°C
Relative Humidity	—	15·6%	,, minimum temperatures	+	1·9°C
Velocity of Wind	—	1·5mps.	Absolute maximum temperature	+	1·4°C
Amount of Cloud	—	2·1	,, minimum temperature	—	0·4°C
Greatest Rainfall intensity		...			

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JULY 1936.

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
JULY	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mms.	min	mms.	
1	1013·0	− 0·7	22·0	17·5	4·5	19·0	− 1·0	3·2	13·2	− 2·5	69	− 7	15·0	14·0	0·9	23	2·9	4·5
2	1014·2	+ 0·4	23·0	16·2	6·8	18·8	− 1·2	3·0	13·3	− 2·4	70	− 6	15·1	14·7	1·6	59	3·0	6·0
3	1014·4	+ 0·6	23·3	14·8	8·5	19·0	− 1·0	2·6	14·3	− 1·4	74	− 2	16·2	13·4	0·1	8	3·7	6·8
4	1016·2	+ 2·3	23·6	18·0	5·6	20·0	0·0	3·8	13·2	− 2·5	65	− 11	15·0	16·0	0·0	...	3·7	8·5
5	1018·0	+ 4·1	21·0	16·8	4·2	18·8	− 1·2	3·1	13·1	− 2·6	69	− 7	14·9	15·8	1·0	30	4·6	9·8
6	1017·0	+ 3·1	21·6	17·5	4·1	19·0	− 1·0	2·3	14·8	− 0·9	77	+ 1	16·7	15·0	1·8	77	2·4	9·5
7	1015·7	+ 1·7	21·9	18·3	3·5	19·8	− 0·1	1·4	17·2	+ 1·6	85	+ 9	19·4	16·4	2·1	78	1·9	9·8
8	1015·7	+ 1·7	24·1	19·2	4·9	20·9	+ 1·0	1·8	17·7	+ 2·1	82	+ 6	20·1	18·3	1·7	57	1·7	8·1
9	1015·1	+ 1·1	23·4	18·9	4·5	20·5	+ 0·6	2·1	16·7	+ 1·1	79	+ 3	18.8	18·0	0·8	25	2·6	6·3
10	1014·4	+ 0·4	23·7	18·6	5·1	20·3	+ 0·4	1·8	17·1	+ 1·5	82	+ 6	19·3	16·8	1·3	47	4·0	6·2
11	1015·0	+ 1·0	23·0	15·1	7·9	19·5	− 0·4	2·9	14·3	− 1·3	72	− 4	16·2	10·8	0·0	...	2·7	5·9
12	1016·5	+ 2·5	23·2	18·0	5·2	20·2	+ 0·4	2·5	15·7	+ 0·2	76	0	17·7	16·1	0·5	20	2·2	6·1
13	1016·3	+ 2·3	23·7	18·1	5·6	20·5	+ 0·7	2·5	16·0	+ 0·5	75	− 1	18·0	16·2	2·2	69	3·9	6·2
14	1015·1	+ 1·1	24·1	17·2	6·9	20·4	+ 0·6	2·5	15·9	+ 0·4	76	0	17·9	15·2	0·5	7	3·4	6·8
15	1014·8	+ 0·8	25·0	15·8	9·2	20·1	+ 0·3	2·5	15·6	+ 0·1	76	0	17·6	11·8	0·2	12	2·7	3·3
16	1015·2	+ 1·2	24·1	15·1	9·0	19·8	0·0	2·6	15·1	− 0·4	74	− 2	17·0	13·0	0·0	...	3·2	2·6
17	1015·6	+ 1·6	24·8	12·7	12·1	18·5	− 1·3	2·8	13·4	− 2·1	72	− 4	15·2	8·5	0·1	2	4·6	1·8
18	1015·3	+ 1·3	23·8	16·0	7·8	19·0	− 0·2	3·1	14·0	− 1·5	70	− 6	15·8	13.8	0·0	...	4·2	2·0
19	1014·7	+ 0·7	24·2	17·7	6·5	20·4	+ 0·6	3·1	14·9	− 0·4	71	− 5	16·8	16·9	0·0	...	4·2	2·6
20	1014·7	+ 0·7	24·3	16·7	7·6	20·5	+ 0·7	3·0	15·1	− 0·2	71	− 5	17·0	12·4	0·1	2	3·7	2·5
21	1016·1	+ 2·1	24·3	18·8	5.5	21·0	+ 1·2	2·4	16·8	+ 1·5	77	+ 1	18·9	17·0	3·5	65	4·3	6·0
22	1016·6	+ 2·6	23·5	16·6	6·9	19·6	− 0·1	3·5	13·3	− 1·9	67	− 8	15·1	14·0	0·0	...	3·9	3·2
23	1017·0	+ 3·0	23 8	16·9	6·9	20·2	+ 0·5	3·6	13·8	− 1·4	67	− 8	15·6	14·3	0·1	5	4·5	4·4
24	1017·4	+ 3·4	23·0	18·8	4·2	20·5	+ 0·8	4·5	12·4	− 2·8	60	− 15	14·3	16·8	0·0	...	5·2	4·3
25	1016 6	+ 2·6	23·1	18·0	5·1	20·2	+ 0·5	3·7	13·6	− 1·6	66	− 9	15·4	16·6	1·1	62	4·4	6·8
26	1015·6	+ 1·6	23·1	17·3	5·8	19·4	− 0·3	2·6	14·7	− 0·5	74	− 1	16·6	15.9	4·5	67	4·2	5·2
27	1014·6	+ 0·6	23·9	17·2	6·7	20·0	+ 0·3	3·4	13·9	− 1·3	68	− 7	15·7	15·9	1·2	28	3·8	3·2
28	1013·6	− 0·4	23·2	17·6	5·6	19·9	+ 0·2	1·9	16·5	+ 1·3	81	+ 6	18·6	14·8	7·5	116	4·1	7·8
29	1013·2	− 0·8	24·1	17·2	6·9	20·3	+ 0·6	2·8	15·3	+ 0·1	73	− 2	17·2	15·8	0·1	5	4·1	6·2
30	1014·0	0·0	24·0	16·0	8·0	19·8	− 0·1	3·6	13·3	− 1·9	66	− 9	15·1	15·0	0·0	...	4·6	5·2
31	1013·9	− 0·1	24·0	14·2	9·8	19·2	− 0·7	3 8	12·3	− 2·9	65	− 10	14·2	10·9	0·0	..	4·8	5·3
Mean	1015·3	+ 1·3	23·5	17·0	6·5	19·8	− 0·0	2·8	14·7	− 0·7	72·5	− 3·2	16·7	14·8	Sum 32·9	Sum 864	3·7	5·6
Aver.	1014·0	...	23·7	15·5	8·2	19·8	...	2·4	15·4	...	75·7	...	17·4	13·1	59 6	1281	3·6	5·0
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JULY 1936.

The weather during this month was very similar to that of the preceding June—persistently high pressure and low humidity, with rainfall considerably in defect, being the main features.

Two main anticyclonic pulses were recorded, from the 4th to the 6th and from the 21st to the 25th respectively. The trades at these times were very markedly above the average in force and brought along most of the rain obtained during the month.

It is noteworthy that the more intense precipitation occurred at the time of the decay of the high pressure pulses.

Rainfall continued to be in deficit, only 55% of the average being recorded.

This month saw the continuation of the intense drought observed since the preceeding February.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1936

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather (0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h)
JULY	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	6·1	56	4·5	+ 0·7	25·4	24·7	22·5	21·3	b : bc bcq$_0$ d$_0$d$_0$: b
2	6·8	62	3·9	+ 0·1	25·5	24·9	22·4	21·3	cd$_0$d$_0$: bcd$_0$: bc : b
3	6·7	61	3·2	− 0·6	25·3	24·7	22·3	21·2	bc : bcd$_0$: c
4	4·2	39	5·6	+ 1·8	25·1	24·9	22·2	21·4	o : c : bc : c
5	0·0	0	6·3	+ 2·5	25·4	24·8	22·6	21·3	oq : oqr$_0$r$_0$
6	1·0	9	6·0	+ 2·2	25·3	24·6	22·1	21·0	oqd$_0$d$_0$: cq : cq d$_0$d$_0$ c
7	0·0	0	4·9	+ 1·1	25·4	24·6	22·0	20·9	cd$_0$: oq$_0$ d$_0$: oq$_0$d$_0$d$_0$: o
8	6·6	61	4·8	+ 1·0	25·5	24·6	22·0	21·1	od$_0$d$_0$: bc : c : bc
9	8·5	78	4·7	+ 0·9	25·5	24·6	22·0	21·5	bc : bcd$_0$d$_0$: bc
10	6·4	59	3·0	− 0·8	25·5	24·6	22·1	21·6	bcd$_0$: bc : cr$_0$: bc :
11	4.2	38	3·0	− 0·8	25·3	24·5	22·2	21·5	b c : bc
12	6·4	58	3·9	+ 0·1	25·4	24·6	22·2	21·6	bcd$_0$: bc : c : bc
13	9·3	85	4·2	+ 0·4	25·5	24·4	22·2	21·5	bc bcq : c
14	7·6	69	3·5	− 0·3	25·2	24·3	22.2	21·6	c : bc : : c : bc : bcd$_0$
15	9·5	86	2·3	− 1·5	25·3	24·3	22·2	21·5	b : bc : b : bd$_0$
16	9·9	90	2·1	− 1·7	25·2	24·4	22·2	21·8	b : bc : b : b$_0$
17	10·2	93	2·8	− 1·0	25·2	24·3	22·2	21·3	b$_0$: b : bc : b
18	10·2	93	3·7	− 0·1	25·2	24·3	22·2	22·5	b : bc : b
19	9·3	85	3·5	− 0·3	25·2	24·2	22·2	21·4	b : bc : b
20	9·9	90	3·5	− 0·3	25·2	24·2	22·1	21·3	b : bcd$_0$: b
21	7·8	71	4·5	+ 0·7	25·3	24·2	22·1	21·6	crr : bd$_0$: c : bcq : bcqd$_0$: bc
22	9·2	83	3·2	− 0·6	25·0	24·3	22·1	21·6	b : bc
23	7·6	68	5·1	+ 1·3	25·3	24·2	22·1	21·5	bd$_0$: b : bc c bc
24	8·1	73	6.3	+ 2·5	25·3	24·1	22·1	21·4	bcq : bcQ : bcq : bq$_0$
25	6·8	61	6·2	+ 2·4	25·3	24·1	22·1	21·4	b : bcd$_0$d$_0$: cr$_0$r$_0$: bcQd$_0$: bcQ : c
26	6·3	57	4·7	− 1·0	25·2	24·1	22·1	21.3	bcq : bcr$_0$r$_0$: bc : bcd$_0$d$_0$: bc : b
27	9·9	89	3·9	+ 0·2	25·2	24·0	22·1	21·4	bd$_0$: b : bc : cr$_0$
28	6·8	61	3·8	+ 0.1	25·2	24·0	22·0	21·4	cr$_0$r$_0$: bc : bcr$_0$: bc : cr$_0$ or$_0$r$_0$: o
29	7·4	67	3·4	− 0·3	25·2	24·0	2·20	21·5	bc : bcr$_0$: bc : c
30	8·6	77	2·6	− 1·1	25·2	24.0	22·0	21·6	c : bc b
31	8·2	73	2·3	− 1·4	25·2	24·0	22·1	21·6	bc b : bc : c bc
Mean	7·08	64·3	4·05	+0·27	25·29	24·37	22.16	21·42	.....
Average	7·57	68·6	3·78	...	25·23	24·42	22·62	21.93	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JULY 1936.

	Heigh		Date	Lowest		Date
Atmospheric Pressure	1019.1 mbs.	st 10·00 hrs.	on 5th	1011·4mbs	at 04.00hrs. ...	on 1st
Temperature of the Air	25·0 °C	at 13 15 hrs.	on 15th	12·7°C	at 06·50hrs. ..	on 17th
Daily range of temperature of the Air ...	12·1 °C	... ...	on 17th	3·6°C	.. ...	on 7th
Temperature of the Dew Point	19·1 °C	at 12.00 hrs.	on 7th	9·5°C	at 10·00hrs. ...	on 31st
Daily range of temperature of the Dew Point	6·1 °C	... ...	on 25th	1·9°C	... ...	on 6·h & 10th
Minimum on Grass	...	... ...	...	8·5°C	... ...	on 17th
Relative humidity	92·1 %	at 06.00 hrs.	on 8th	42 1%	at 11·00hrs. ...	on 31st
Vapour Pressure	21.9 mbs.	at 12.00 hrs.	on 7th	11·8mbs.	at 10·00hrs. ...	on 31st
Evaporation in 24 hours	5·2 mms.	... ...	on 24th	1·7mms.	... ...	on 8th
Wind Velocity	9·6 m.p.s.	at 12.00 hrs.	on 24th	0·6m.p.s.	at 20·00hrs. ... / 04·00hrs. ...	on 19th / on 30th
Rainfall in 24 hours	8.2 mms	ending 21 hrs.	on 28th		... ...	.....
Duration of sunshine	10·2 hrs.	... ...	on 17th & 18th	0.0hr.	... ...	on 5th & 7th

Mean Day Temperature of Air, 21·23°C ...Average 21·57°C. Mean Night Temperature of Air 18·48°C. Average 18·15°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	8	14	6	3	10	11	1	...	...	...	...

TABLE VIII.—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 55·2 metres above mean sea-level.)

JULY 1936.

The initial 10 or 9 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	124	141	148	159	190	172	169	162	163	150	151	162	173	160	151	150	Midnight
1h	122	141	146	160	178	173	168	161	160	149	150	161	171	160	151	149	1h
2	121	138	141	157	169	171	161	160	159	142	147	160	170	153	150	147	2
3	118	133	136	151	173	170	160	155	153	139	142	156	167	151	149	141	3
4	114	133	137	150	172	169	160	151	151	137	142	153	164	150	149	141	4
5	115	139	137	151	171	168	159	151	150	137	143	154	161	151	148	142	5
6	120	139	140	153	174	170	159	151	150	140	148	160	164	152	150	146	6
7	130	142	140	160	179	171	160	158	151	142	151	164	167	156	152	151	7
8	137	149	146	165	188	171	164	161	160	150	156	171	172	160	160	160	8
9	142	151	150	170	190	180	161	167	163	156	161	178	176	162	164	164	9
10	142	151	151	171	191	181	161	165	162	155	161	179	176	161	164	165	10
11	141	150	150	168	189	180	160	161	161	150	156	174	171	160	159	161	11
Noon	137	141	145	158	180	174	153	159	155	146	150	170	161	151	150	156	Noon
13h	130	133	139	150	182	170	146	155	145	138	143	160	154	146	138	148	13h
14	127	131	131	149	181	168	142	150	140	132	140	156	150	140	131	141	14
15	121	131	130	151	180	160	140	146	136	131	139	155	146	139	130	138	15
16	122	132	133	157	180	161	144	147	135	132	141	158	149	139	131	140	16
17	129	135	136	157	176	163	151	148	138	136	142	160	151	141	135	143	17
18	129	140	141	167	180	166	153	150	142	140	146	162	153	143	139	150	18
19	130	144	147	166	181	171	158	154	147	146	149	168	160	146	143	153	19
20	134	150	152	176	189	171	160	161	150	150	156	173	163	151	149	160	20
21	139	151	157	179	187	171	161	162	151	151	161	173	165	151	151	163	21
22	141	151	159	179	179	170	162	155	152	151	162	176	165	154	152	165	22
23	141	150	159	180	173	169	161	166	151	152	163	172	161	153	150	163	23

The initial 10 or 9 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	162	161	156	152	160	172	172	180	176	170	160	148	135	142	149	1015·9	Midnight
1h	161	160	151	150	157	171	174	181	172	167	154	143	133	141	146	1015·7	1h
2	159	154	149	147	153	169	171	178	170	161	150	143	130	141	141	1015·4	2
3	154	151	147	145	151	166	170	176	164	160	145	140	127	130	135	1015·1	3
4	151	151	145	141	150	164	169	172	163	156	145	138	126	139	134	1014·9	4
5	151	151	144	141	149	161	164	171	161	152	146	133	125	139	133	1014·8	5
6	154	151	146	143	151	162	167	172	164	154	150	136	130	140	140	1015·1	6
7	160	156	150	147	158	167	170	179	168	156	155	140	136	141	146	1015·5	7
8	163	160	153	151	163	172	174	181	173	160	158	142	140	143	151	1016·0	8
9	168	165	153	156	170	178	177	189	179	162	160	146	141	150	156	1016·4	9
10	166	164	152	157	172	178	178	181	180	162	160	149	142	149	156	1016·4	10
11	162	160	151	155	169	172	176	179	173	160	151	141	139	144	150	1016·0	11
Noon	158	156	143	150	162	168	171	176	169	152	142	136	131	140	141	1015·4	Noon
13h	150	149	140	141	158	160	168	169	161	149	138	130	123	135	131	1014·8	13h
14	149	142	138	134	156	155	160	167	159	145	136	125	121	130	126	1014·4	14
15	144	140	136	131	152	152	158	161	156	141	131	122	120	127	123	1014·1	15
16	143	140	138	134	154	151	156	163	153	141	132	121	120	130	123	1014·2	16
17	143	141	140	140	158	154	160	168	157	146	135	126	123	131	127	1014·5	17
18	147	144	143	142	160	160	165	170	159	150	139	130	130	135	130	1014·9	18
19	151	150	140	147	165	163	169	172	160	154	141	130	132	139	132	1015·2	19
20	159	155	150	151	170	170	173	176	167	160	146	134	138	141	138	1015·7	20
21	162	160	153	156	172	171	178	179	169	162	147	136	141	146	140	1016·0	21
22	165	160	156	159	173	173	180	180	170	161	150	138	144	148	141	1016·0	22
23	163	158	153	160	172	174	180	169	170	161	148	136	143	149	140	1015·9	23

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

Hour \ Day.	July 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	3	5	4	10	9	10	9	10	7	5	5	4	3	10	4	3	0	0	2	0	4	3	3	3	2	6	5	10	9	9	5	5·2
1h	3	5	4	10	9	10	9	10	7	5	3	4	3	9	4	3	0	0	2	1	8	4	3	4	2	7	5	10	8	9	4	5·3
2	2	8	5	10	9	10	9	10	6	4	3	3	4	8	3	4	0	1	1	2	8	2	2	4	2	6	3	10	8	8	3	5·1
3	2	9	6	10	10	10	9	10	6	4	2	3	7	8	3	4	0	1	1	2	3	3	1	3	3	3	0	8	5	9	5	4·8
4	2	9	5	10	10	10	9	10	6	4	2	3	6	7	2	3	0	1	1	1	2	2	1	3	5	2	0	5	5	9	5	4·5
5	2	8	7	10	10	10	10	10	8	4	4	9	5	6	2	2	1	1	2	2	3	2	1	4	7	7	1	5	5	8	5	5·2
6	4	9	9	10	9	10	10	10	8	5	4	9	5	5	2	2	1	2	2	2	4	1	1	4	6	10	5	5	6	8	5	5·6
7	6	8	7	9	10	10	9	9	9	4	3	7	4	5	3	2	0	2	2	1	6	1	1	4	8	5	1	4	7	8	5	5·2
8	7	8	3	8	10	10	10	9	9	4	3	6	3	5	3	2	0	1	1	1	7	1	1	3	9	5	1	4	8	8	5	5·0
9	8	6	4	8	10	10	10	9	5	4	3	6	4	3	5	2	3	1	4	1	9	1	1	8	10	10	1	8	8	8	3	5·6
10	5	7	6	7	10	10	10	9	6	5	8	7	5	5	6	5	4	3	4	4	9	3	3	6	7	8	1	8	7	7	2	6·0
11	5	8	8	7	10	9	10	7	9	7	8	8	5	7	7	5	4	5	4	8	7	3	3	3	5	7	1	7	7	5	1	6·1
Noon	6	7	6	7	10	9	10	6	9	5	8	9	6	9	4	5	5	5	5	5	6	4	4	6	8	4	1	8	4	6	3	6·1
13h	7	5	6	6	10	10	10	6	7	8	7	9	6	9	2	5	4	4	5	4	7	4	4	6	7	4	3	7	4	3	7	6·0
14	9	5	5	6	9	10	10	6	7	7	7	8	7	9	0	5	4	6	6	4	8	4	5	6	5	5	4	7	4	4	7	6·1
15	5	5	6	6	10	9	10	6	7	8	10	8	6	6	1	5	3	6	6	3	6	4	7	6	8	5	4	6	3	6	4	6·0
16	5	5	8	8	10	9	10	7	6	9	9	8	8	7	2	3	3	3	5	3	6	6	9	8	8	5	2	8	2	5	4	6·2
17	5	4	9	9	10	9	10	7	4	10	9	7	9	8	3	2	3	1	3	4	8	8	9	7	8	6	4	9	4	2	7	6·4
18	5	5	8	9	10	9	10	8	4	8	9	9	8	9	4	2	3	0	2	3	7	5	9	6	8	7	4	9	4	1	9	6·3
19	3	6	8	9	10	9	10	8	3	7	10	5	10	9	3	0	2	0	2	0	8	2	9	3	8	3	4	10	7	0	9	5·7
20	3	5	8	9	10	9	10	10	4	9	8	4	10	4	4	0	1	1	1	0	6	2	9	2	9	2	4	10	9	0	9	5·5
21	3	3	9	9	10	9	10	8	4	9	6	3	9	8	4	0	1	1	1	2	5	3	7	2	9	3	4	10	8	1	9	5·5
22	3	3	9	9	10	9	10	6	5	8	6	3	9	5	3	0	0	2	1	3	4	3	6	2	9	3	7	10	8	1	7	5·3
23	3	3	10	9	10	9	10	6	7	6	5	4	10	0	4	0	0	1	1	3	4	5	6	2	9	2	9	10	8	1	6	5·5

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

Hour Ending \ Day.	July 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	6	0	12	0	0	0	0	0	0	1	11	0	0	10	13	17	60	16	0	16	0	10	0	0	10	0	0	0	0	1	0	2·3
8	15	17	55	0	0	0	0	5	19	54	60	35	60	59	59	60	60	60	39	60	27	60	28	54	24	36	50	22	4	23	22	17·8
9	32	45	60	10	0	4	0	26	54	59	52	43	60	55	40	60	60	60	60	60	40	60	60	36	45	31	60	48	35	45	57	22·6
10	40	53	60	3	0	12	0	54	55	50	48	43	60	55	47	47	60	60	56	60	55	59	60	52	42	60	60	50	33	60	60	24·2
11	47	50	39	40	6	32	0	55	40	48	35	42	60	48	52	56	60	60	60	43	58	60	60	60	40	60	60	25	57	60	60	24.4
Noon	52	60	44	60	0	1	0	59	50	50	1	44	53	43	60	49	60	60	60	60	60	52	60	59	50	55	60	32	60	55	60	24·6
13h	23	60	28	52	0	1	0	47	60	53	15	48	60	42	60	60	60	60	60	60	59	47	60	42	60	53	60	60	60	60	43	24·2
14	46	40	53	48	0	0	0	54	60	28	21	38	58	30	60	60	60	60	52	60	42	59	60	49	50	41	60	52	60	59	23	23·1
15	36	28	48	30	0	3	0	55	60	30	0	50	59	38	60	60	60	60	55	60	46	60	60	51	50	22	60	43	60	58	60	22·7
16	32	3	1	5	0	8	0	22	55	13	6	26	45	40	60	60	59	60	59	60	55	56	5	45	10	6	60	32	60	35	60	17·3
17	38	50	0	5	0	0	0	17	50	0	1	15	40	33	59	60	1	56	55	55	26	25	0	40	26	12	60	45	15	55	49	15·8
18	0	2	0	0	0	0	0	0	10	0	0	0	0	0	0	5	0	0	0	1	0	2	0	0	0	0	3	0	0	7	0	0·5
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

The total Amount of Registered Sunshine was 219.5 hrs. and the total possible sunshine was 341·2 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

JULY 1936.

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

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air	Excess of Air over Evap.	
Midnight	19·6	1·5	18·0	1·0	19·1	1·5	18·9	1·5	18·8	2·1	19·7	1·4	19·3	1·6	19·5	0·6	Midnight
1h	19·9	1·8	18·8	1·1	18·1	1·1	18·8	1·0	19·0	2·3	19·9	1·7	18·8	1·8	19·2	0·7	1h
2	19·9	1·8	19·0	1·0	18·0	1·2	18·9	1·4	19·0	2·3	19·8	1·8	17·1	1·2	19·1	0·9	2
3	19·9	1·8	19·0	0·9	17·6	1·4	18·7	1·4	18·8	2·2	19·1	1·8	16·0	1·1	17·6	1·4	3
4	19·8	1·5	19·0	0·9	17·1	1·2	18·9	1·7	18·2	1·5	19·2	1·9	16·0	1·0	17·9	0·9	4
5	19·6	1·4	19·0	0·9	16·0	1·2	18·1	1·5	18·9	1·9	18·5	1·6	16·0	1·0	17·6	0·8	5
6	19·3	1·2	19·1	1·0	15·5	1·3	18·1	1·1	18·7	1·2	18·0	1·4	16·0	1·0	17·2	1·0	6
7	19·1	1·0	19·0	1·0	16·1	1·0	18·2	1·3	18·2	1·5	17·2	1·2	16·2	0·9	17·1	1·0	7
8	20·0	1·0	20·0	1·4	19·3	2·0	19·4	2·3	20·1	2·1	19·3	2·0	19·0	1·7	19·6	1·8	8
9	21·0	2·0	21·8	2·8	21·0	3·1	21·6	3·5	21·8	3·8	21·7	3·6	20·4	1·6	21·8	3·5	9
10	21·9	2·9	22·3	3·2	21·9	4·0	22·2	4·2	22·8	4·8	22·3	3·8	22·4	4·4	22·2	3·9	10
11	21·6	2·8	23·0	3·4	22·1	4·7	22·9	4·0	23·0	4·5	22·1	3·9	23·5	5·5	23·0	5·0	11
Noon	22·3	3·7	23·1	3·9	22·3	5·1	22·6	4·0	23·2	4·5	23·0	4·3	24·3	6·2	23·9	5·3	Noon
13h	23·1	4·3	23·0	3·8	22·2	5·1	23·2	4·3	23·3	4·5	23·0	4·1	24·8	6·1	23·7	5·3	13h
14	23·1	4·6	21·8	2·2	22·2	5·4	22·2	3·9	23·0	4·2	23·1	4·9	24·6	6·0	23·2	4·7	14
15	22·8	4·1	22·0	2·8	21·2	4·2	22·1	3·5	23·0	4·0	23·0	4·7	24·5	5·5	23·6	5·0	15
16	22·2	3·5	21·0	2·0	21·1	5·0	21·9	3·2	22·3	3·3	22·5	4·4	23·4	4·2	23·0	4·9	16
17	21·2	2·9	20·2	1·1	20·8	4·8	21·3	3·1	21·9	2·8	21·9	3·9	22.2	3·3	21·7	3·9	17
18	20·0	1·8	19·8	1·4	19·7	3·6	20·6	2·6	20·1	1·0	20·0	1·9	20·7	1·7	19·8	2·6	18
19	19·4	1·4	19·7	1·3	19·2	3·1	19·3	2·3	19·7	0·8	19·9	1·6	19·8	1·6	18·8	2·0	19
20	19·7	1·4	19·4	1·1	20·0	3·3	19·7	2·1	19·6	0·9	19·2	1·3	19·9	1·1	16·5	1·8	20
21	19·7	1·5	19·5	1·4	19·1	2·3	19·2	2·2	19·5	0·8	19·3	1·0	19·2	1·2	17.0	1·7	21
22	19·3	1·2	19·2	1·3	18·9	2·0	19·1	1·9	19·3	1·2	19·2	1·1	19·2	0·6	16·9	1·8	22
23	19·2	1·2	19·2	1·4	18·6	1·5	19·8	2·6	19·3	1·1	19·3	1·2	19·6	0·7	17·5	1·5	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

JULY 1936.

Day. / Hour.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
Midnight	15·1	1·3	17·7	1·6	18·8	2·0	17·7	1·6	19·2	1·0	18·8	2·6	17·0	2·3	19·7	3·6	Midnight
1h	14·4	1·4	17·4	1·6	18·7	1·8	17·7	1·7	19·0	0·9	18·3	2·3	18·0	1·3	19·3	4·3	1
2	13·9	1·6	17·2	1·5	19·0	2·0	17·0	1·7	19·8	1·6	18·3	2·3	17·7	1·6	19·1	3·4	2
3	13·8	1·3	16·9	1·4	19·2	2·1	17·9	1·7	19·7	1·2	18·0	2·3	17·6	1·9	19·3	3·5	3
4	13·3	1.2	16·6	1·4	18·8	1·9	18·0	1·3	19·7	1·4	17·4	2·2	17·2	2·1	19·1	4·3	4
5	13·0	1·2	16·2	1·4	18·9	1·9	18·0	1·4	19·8	1·5	17·2	2·2	18·0	2·8	18·9	3·1	5
6	12·8	1·2	16·1	1·3	19·1	2·1	17·7	1·4	19·4	1·4	16·9	1·9	17·9	2·6	19·0	3·7	6
7	12·9	1·2	16·6	1·6	19·1	2·1	18·0	1·2	19·8	1·5	16·7	1·7	18·0	2·1	19·3	3·3	7
8	16·6	1.0	19·2	2·5	20·2	2·4	20·1	1·9	20·9	1·9	19·2	2·7	19·6	2·5	20.9	4·9	8
9	20·6	2·7	21·7	4·5	21·6	3·6	22·0	2.8	21·9	2·9	21·2	4·0	21·3	5·0	20·6	4·4	9
10	22·6	4·7	22·4	5·4	22·7	4·4	23·2	4·2	22·9	3·4	22·0	5·0	22·5	5·7	22·0	5·7	10
11	23·3	5·3	23·1	5·8	23·2	5·2	22·9	3·2	23·9	4·2	23·1	6·1	23·0	5·8	21·7	6·0	11h
Noon	24·0	5·7	22 8	5·0	23·1	4·9	23·1	4·5	24·1	4·2	22·9	6·1	23·1	6·1	23·0	6·0	Noon
13h	24·2	6·0	23·1	5·3	23·5	5·3	24·2	5·3	24·0	4·0	23·1	6·1	23·3	6·2	21·9	4·8	13h
14	23·8	6·2	23·2	5·2	23·8	5·2	23·9	5·7	22·0	2·0	23·0	6·0	23·3	5·9	21·1	4·0	14
15	23·1	5·2	22·9	4·9	23·1	5·0	23·6	5·6	23·2	3·5	22·7	5·9	22·9	5·2	22·8	5·6	15
16	22·2	4·4	22·2	4·4	22·7	4·9	23·1	5·1	22.7	3·6	22·1	5·2	22·0	5·0	22·0	4·7	16
17	21.5	3·8	21·2	4·0	21·9	4·5	23·1	4·4	22·2	3·2	21·0	4·3	21·3	4.3	21·1	4·2	17
18	20·0	2·8	20·0	3·5	20·2	3·2	21·0	3·8	20·9	1·9	19·3	3·2	20·9	3·9	20·2	4·4	18
19	18 8	2·0	18·1	2·1	19·0	2·2	20·1	3·0	20·7	2·0	18·1	2·8	20·1	3·1	20·1	4·2	19
20	18·2	1·7	18·3	2·0	18·7	2·0	20·0	2·6	20·3	2·2	17·9	2·7	20·2	3·0	20·0	4·7	20
21	18 1	1·8	19·2	2·7	18·1	1·8	19·8	2·4	20·2	2·3	18·0	2·1	19·9	2·7	20·0	4·4	21
22	18·0	1·6	18·8	2·6	18 8	1·9	19·4	2·2	19·7	2·8	18·7	2·3	19·1	2·0	19·9	4·2	22
23	17·9	1·6	18·8	2·4	18·0	1·5	1·96	2 0	19·1	2·4	17·9	2·9	20·0	3·6	19·9	4·5	23

Day. / Hour.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess Air over Evap.	Day. / Hour.
Midnight	20·2	4·7	19·0	3·3	18·0	1·7	19·2	1 7	18·9	1·2	19·7	2·0	16·9	1·0	18 6	2·0	Midnight
1h	20·2	4·1	18 9	2·7	18·0	2·0	18·7	1·3	19·0	1.1	18·8	1·7	17·1	1·4	18·5	1·9	1
2	20·4	4·1	18·2	2·1	18.7	3·6	18·2	1·1	18·9	1·7	19·2	2·2	17.2	1·3	18·4	2·0	2
3	20.0	3·2	18·9	2·8	18·9	4·0	18·4	1·4	18·0	1·0	19·0	2·3	16 0	1 7	18·2	1·9	3
4	18·2	1·2	18·1	2.1	18·1	2·9	18 0	1·1	18·0	1·8	18·3	1·4	14·9	1·7	18·0	1·9	4
5	18·3	1·4	18·0	2·1	17·8	2·3	18·6	1·6	18·0	1·9	18·2	1·9	14·5	1·4	17·8	1·8	5
6	18·1	1·1	17·3	1·2	18·0	2·8	18·1	1·2	17·9	1·6	18·2	2·0	15·1	1·2	17.7	1·7	6
7	18·5	1·4	17·9	1·1	17·8	1 6	17·7	1 5	17·7	1·5	18·0	2·0	16·1	1·3	17·8	1·7	7
8	19·0	1·9	18·7	1·4	19·6	2·7	19.2	1·1	18·8	1·6	19·7	2·7	18.0	1·1	19·3	2·1	8
9	19·0	1·4	19·0	1·2	21·8	4·3	20·9	2·1	21·0	2·9	21·3	4·4	21·4	5·5	20·8	3·2	9
10	20·0	2·0	21·1	3·3	22·2	4·6	21·3	2·5	21·2	3·2	22·9	6·7	22·7	7·5	21·8	4·1	10
11	21·9	4·6	22·5	4·9	22·4	4.2	21·9	3·7	22·9	4·9	23·2	6.2	23·7	7·9	22·4	4·6	11
Noon	22·7	6·0	23·0	5·0	23·2	5·6	22·1	3·1	23·0	4·8	23·2	6·5	23·9	7·4	22·8	4·9	Noon
13h	22·8	6·0	20·3	1·3	23·3	6·1	23·1	4·2	24·0	6·0	23·1	6·5	23·5	6·3	22·8	4·8	13h
14	22·7	5·7	19·3	1·5	23·1	5·8	23·1	4·1	23·1	5·0	23·6	6·7	23·0	6·7	22·5	4·6	14
15	21.2	4·2	19·9	2·0	23·0	5·0	22·5	3·8	23·1	4·7	22·9	5·8	23·3	7·3	22·2	4·3	15
16	21·3	5·1	20·4	3·4	22·7	5·6	22·0	3·5	22·8	4·8	21·8	5·5	23·0	7·0	21·7	4·1	16
17	20·9	4·6	20·6	3·6	21·5	3·9	21·3	2·6	21·8	3·8	21·0	5·0	22·1	6·1	20·9	3·4	17
18	20·3	4·2	19·9	3·5	20·1	2·8	19·8	1·1	20.2	2·5	19·4	3·5	20·3	4·3	19.8	2·6	18
19	20·0	4·1	19·2	2.9	19·1	2·1	19·1	0·9	19·6	2·4	17·9	2.7	19·9	3·2	19·2	2·2	19
20	20·0	5·4	19·2	3·1	18·2	1·7	18·7	0·9	20·1	2·8	16·9	2·1	18·2	2 2	19·0	2·2	20
21	20·1	5·1	19·1	2.9	17·8	1·8	19·1	1·0	19·9	2·6	16·3	2·0	18 0	2·0	18·9	2·2	21
22	19·8	4·8	19·1	3·0	18·2	1·4	18·9	1·1	19·2	2.0	16·7	2·0	16·9	2·1	18·7	2·0	22
23	19·7	3·6	18·0	2·0	18·2	1·2	18·8	1·1	19·9	2·1	16·4	1·7	15·3	1·5	18·7	2·0	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during JULY 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

JULY 1936.

Hour	1d. Dir.	1d. Vel.	2d. Dir.	2d. Vel.	3d. * Dir.	3d. * Vel.	4d. Dir.	4d. Vel.	5d. Dir.	5d. Vel.	6d. Dir.	6d. Vel.	7d. Dir.	7d. Vel.	8d. Dir.	8d. Vel.	9d. Dir.	9d. Vel.	10d. Dir.	10d. Vel.	11d. Dir.	11d. Vel.	12d. Dir.	12d. Vel.	13d. Dir.	13d. Vel.	14d. Dir.	14d. Vel.	15d. Dir.	15d. Vel.	16d. Dir.	16d. Vel.
Midnight	13	4·1	10	4·4	12	2·9	12	1·8	11	6·2	11	5·0	11	4·4	12	4·2	10	3·4	11	2·0	11	2·2	11	3·1	11	2·3	10	3·5	08	3·0	11	0·9
1h	13	4·2	09	2·9	12	0·8	13	3·8	12	7·3	11	5·2	11	4·8	10	4·6	10	4·4	11	2·0	11	2·1	11	3·1	11	3·4	10	3·8	08	2·2	11	1·2
2	12	4·7	11	3·1	12	3·1	13	4.8	12	6·1	11	5·4	11	4·4	10	4·4	10	4·8	08	1·3	11	2·2	09	4·0	11	2·4	10	3·4	08	1·8	09	1·1
3	12	4·1	10	4·4	12	2·3	12	3.0	12	5·4	11	5·0	12	4·2	11	3·7	10	4·2	10	2·1	11	1·4	11	3·2	11	2·6	11	3·0	09	1·5	09	1·4
4	13	5·1	12	4·6	12	1·1	12	4·6	11	6·2	11	4·7	11	3·4	11	4·7	10	4·7	11	2·1	11	1·4	11	2·9	11	2·8	11	3·1	09	1·9	09	1·5
5	13	4·6	08	3·4	12	1·3	12	4.6	11	5·6	12	5·7	12	3·4	11	4·5	10	4·7	11	2·2	11	0·9	11	2·1	11	3·4	11	2·2	09	1·8	09	1·9
6	14	5·6	09	4·2	09	2·0	12	4·9	12	6·1	10	4·6	10	4·1	10	4·6	10	5·0	11	2·5	11	1·3	11	1·8	08	2·2	12	2·1	09	2·4	09	2·4
7	13	4·0	12	3·0	13	1·1	12	4.7	11	6·4	11	5·2	11	4·6	10	4·5	10	5·0	11	2·6	11	1·4	11	2·0	11	2·8	12	1·8	10	1·8	09	1·9
8	13	1·9	10	3·7	13	3·2	12	5·3	11	5·8	10	6·6	12	5.0	09	4.5	09	5·4	11	2·6	11	2·2	11	2·4	11	3·2	11	1·8	10	1·3	09	2·0
9	13	3.2	12	4·0	12	4·3	11	5·9	11	5·7	10	6·9	11	5·5	09	5·8	10	6·0	11	4·2	12	3·1	11	3·8	10	4·9	11	4·1	10	2·0	12	2·2
10	10	5·0	10	5·3	12	5·7	12	7·2	12	7·4	10	7·5	09	7·1	11	6·0	10	7·1	10	4·6	11	4·4	10	5·0	10	6·5	09	5·5	09	3·1	12	2·9
11	11	5·9	10	5·9	13	5·6	12	8·4	11	8·8	10	7·4	09	6·0	09	6·7	12	7 3	11	4.8	11	4·8	12	6·4	10	6·1	09	5·4	07	2·4	10	3·3
Noon	10	6·0	11	5·5	12	5·2	12	9.1	11	8·2	12	8·0	10	6·2	10	5·8	10	7·0	11	4·7	12	5·0	10	5·6	11	6·2	09	5·4	07	3·0	10	3·3
13h	11	4·5	10	5.3	12	4·2	12	8·4	11	8·4	11	6·1	10	5·3	10	6·2	10	6·4	10	4·4	11	5·5	10	6·1	12	6·0	09	5·1	08	2·7	11	3·3
14	10	6·0	09	5·0	11	4·8	11	7·0	11	7·0	12	6·5	10	5·9	10	6·3	10	6·0	09	5·3	10	5·0	10	6·4	10	6·4	07	5·0	10	3·6	10	3·3
15	10	5·5	10	4·7	13	5·1	11	7·2	12	6·2	11	6·8	09	5·8	12	6·5	09	5·7	10	4·5	11	4.0	11	5·9	09	5·9	10	5·1	11	3·6	12	4·0
16	12	5·9	11	4·0	13	4·4	11	6·8	11	6·7	10	6·9	10	4·7	10	5·4	10	5·6	10	4·1	11	4·4	11	5·1	10	5·3	09	4·8	11	3·9	12	4 2
17	12	4·8	11	3·3	13	3·4	11	5·9	11	5·2	11	6·2	11	4·5	11	5·5	10	4·6	11	2·5	11	4·0	11	4·9	10	4·5	10	4·3	12	3·4	11	2·7
18	12	4·1	11	2.3	12	3·0	10	4·8	11	5·1	12	6·0	10	4·8	11	4·4	11	2·7	11	2·4	10	2·2	10	3·8	11	3·8	09	3·4	11	2·8	11	1·7
19	11	3·7	12	3·1	13	3·0	11	4·4	10	5·8	11	5·9	11	5·0	10	4·3	11	2·3	11	1·6	11	2·0	11	3·0	11	4·1	09	2·4	11	1·6	11	0·9
20	11	3·2	12	3·3	13	3·3	12	4·3	10	5·4	10	5·8	10	4·1	11	3·7	11	2·7	11	2·8	10	3·0	11	2·6	11	3·9	09	3·5	11	1·9	11	0·6
21	11	3·2	12	3.6	17	2·0	13	4·8	09	5·4	11	5·5	11	4·9	10	4·3	11	2·8	10	2·8	10	2·3	12	4·0	11	4·2	09	2·5	11	1·4	11	1·1
22	10	4·1	12	2·9	15	2·5	12	5·2	10	5·8	10	5·4	11	4·7	11	3·1	11	2·7	11	2·3	11	2·0	12	3·0	11	3·5	09	1·5	11	1·3	11	1·4
23	11	4·2	12	2·9	13	2·8	12	4·9	11	6·3	10	5·4	11	4·7	11	3·0	11	2·3	11	2·2	10	2·6	11	3·7	09	4·2	09	1·3	11	1·5	12	1·1

Hour	17d. * Dir.	17d. * Vel.	18d. Dir.	18d. Vel.	19d. Dir.	19d. Vel.	20d. Dir.	20d. Vel.	21d Dir.	21d Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. Dir.	24d. Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. Dir.	28d. Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	31d. Dir.	31d. Vel.	Mean Velocity
Midnight	19	0·7	11	2·6	11	2·6	11	1·7	09	2·5	11	2·9	12	2·0	11	5·1	10	5·4	10	4·0	11	3·2	09	3·2	11	2·3	12	1·4	11	2·3	3.1
1h	19	1·0	10	4.3	11	2·8	11	1·8	11	2·8	11	3·0	11	4·0	11	4·4	09	6·0	11	2·7	11	3·1	11	3·7	11	2·5	12	2·2	11	0·7	3·3
2	17	0·7	11	4·4	11	3·0	13	1·7	09	4·3	11	2·7	11	3·4	11	4·7	09	5·8	11	3·7	11	4.4	09	2·0	12	3·3	12	1·8	11	1·1	3·4
3	17	1·0	10	2·8	11	2·4	13	2·2	10	3·1	11	2·2	11	3·1	11	4·3	11	4·9	10	3·5	10	4·1	11	2·5	12	2·7	12	1·1	11	0·7	3·0
4	17	1·3	11	2·0	11	2·7	12	2·5	10	2·8	11	2.9	11	2·4	11	4·6	12	3·0	11	2·5	10	3·4	11	2 0	11	3·0	12	0·6	11	1·5	3·0
5	17	1·1	11	1·8	12	2.4	12	1.4	11	2·4	11	2·8	12	3·4	11	4·4	11	4·4	11	3.6	11	3·4	11	2·9	12	2·9	12	1·3	11	1·5	3·0
6	17	1·1	11	2·1	11	3·0	12	2·1	11	2·4	11	2·7	11	3·0	12	3·9	11	6·0	11	3·5	09	4·4	12	2·9	08	1·5	12	1·3	13	0·9	3·1
7	17	1·0	11	2·2	11	3·4	12	2·1	11	2 6	11	2·3	11	3·4	10	4·8	10	6·7	11	3·8	10	3·5	12	2·8	10	2·2	12	1·3	13	1·8	3·1
8	17	1.1	11	3·0	11	3.2	11	2·9	10	3·7	11	2·4	11	3·7	10	5·9	10	5·6	10	4·6	11	3·5	12	3·5	11	2·3	12	2·1	13	1·5	3·4
9	12	3·0	10	4·3	10	5·8	10	4·3	10	5·3	10	3.3	10	6.2	10	6·5	10	8·6	10	5·0	09	5·8	11	4·0	10	4·1	11	3·3	12	3·9	4·7
10	11	5·0	10	4·9	10	5·9	10	4·5	10	6·2	10	4·8	11	7·0	12	8·4	11	4·8	09	6·7	09	5·9	11	5·9	11	4·2	11	4·6	10	4·1	5·6
11	12	5·1	10	5 0	10	5·7	08	4·4	09	6·8	10	5·2	11	7·2	11	8 9	10	7·6	10	8·0	09	6·5	10	5·9	10	4·5	09	4·5	10	4·7	6·0
Noon	12	4·8	12	5·8	10	5·7	09	4·8	09	6·9	10	5·0	11	8·2	10	9·6	10	8·6	10	7·2	09	5·9	09	6·1	10	4·6	10	4·4	11	4·5	6·0
13h	11	5·4	12	6·0	11	5·3	12	5·8	11	6·6	10	5·1	11	7·7	09	6·8	10	7·9	10	7·7	09	4·7	10	6·4	11	4·5	12	4·0	08	3·5	5·7
14	12	5·3	12	6.0	12	4·7	11	6·5	09	6·2	10	4·8	12	7·2	09	8·2	11	8·3	08	6·7	09	4·9	10	5.7	12	4·9	11	4·4	09	3·3	5·7
15	11	4·9	12	5·7	11	4·7	11	6·2	10	6·8	10	5·1	12	7·7	10	8·3	11	8·3	10	5·7	11	4·9	10	5·4	11	5·1	10	4·0	10	3 8	5·6
16	11	5·2	09	5·9	11	3·9	12	5·4	10	6·3	11	4·5	12	7·4	10	7·9	11	6·7	10	6·0	09	5·3	09	4·9	10	4·6	11	4 4	12	3·3	5·3
17	11	4·6	11	4·6	11	4·6	12	4·0	12	5·3	12	4.1	12	5·4	10	6·5	11	6·9	10	6·4	10	4·1	09	4·7	10	4·4	11	3·8	13	3·2	4·6
18	11	2·8	10	3·1	11	2·1	12	3·4	10	4·6	12	1·7	12	5·3	09	6·3	11	5·7	11	3·3	12	2·5	12	2·9	12	3·1	12	2·0	13	2·1	3·5
19	11	1·9	11	2·4	12	2·1	12	4·5	10	3·9	12	1·8	11	4·0	10	6·6	10	5·6	11	4·0	12	1·9	07	3·0	12	3·4	12	1·7	13	1·7	3·3
20	11	1·8	11	2·4	12	1.7	12	3·1	10	4·6	12	1·4	11	4·8	09	7·2	10	6·1	10	4·0	12	1·8	09	3·2	11	3·6	09	1·9	13	0·8	3·3
21	11	2·2	10	3·2	12	1·8	12	2.6	11	4·5	12	2·7	11	4·2	10	6·0	10	4·6	11	3·3	12	1·5	12	3·2	13	2·9	09	1·3	13	1·1	3·2
22	11	2·2	11	2·7	12	2·1	12	2·2	10	4·4	12	2·6	11	4 6	10	6·6	10	6·0	08	3·7	12	2·0	11	2·4	13	2·9	11	2·2	13	1·2	3·2
23	11	2·1	11	2·4	11	2·8	12	2·2	11	3·5	12	2·3	11	4·6	09	6.2	09	5·7	09	4·6	09	2·8	10	2·3	11	3·0	11	1 8	13	1·2	3·2

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), JULY, 1936.

Hour	Force (0–12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W	W.S.W.	W.	W.N.W.	N.W.	N.N.W
3	...	...	31	...	...	...	...	2	7	21	...	1	...	...	...	...	...	...	...
9	...	11	20	...	...	...	...	2	14	15	...	...	...	...	...	...	...	...	...
15	...	16	15	...	...	...	...	3	11	17	...	..	..	...	...	...	...	...	...
21	...	2	29	...	...	...	...	3	6	21	...	1	...	...	...	...	...	...	...
Totals	...			...	...	...	...	10	38	74	...	2	..	...	...	...	...	...	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JULY 1936.

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
	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	mm	mm
1h	...	0·6	...	...	...	...	0·1	..	...	...	...	0·3	...	...	...	...	...	...	...	...	2·8	...	...	..	...	...	0·4	0·4	...	...	..
2	...	...	...	...	..	0·1	..	0.2	...	...	..	...	...	...	...	...	...	...	...	...	0·4	...	0·1	...	...	...	...	0·8	...	...	...
3	..	0·1	...	...	...	0·1	.	...	...	0·1	...	...	...	...	...	...	...	...	..	...	...	...	...	..	...	...	...	0·1	...	...	...
4	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	0·1	.	..	...	0·1	..	...	...	...	...	...
5	..	0·1	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	..	...	...	...	...	...
6	...	0·3	...	...	...	0·1	0·2	0·2	0·1	...	...	0·2	...	...	...	...	...	...	...	...	...	..	...	...	0·1	0·7	0.1	...	0·1	...	...
7	...	0·2	...	...	...	0·1	0·1	0·3	0·2	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	0·2	0·7	...	0·1	..	..	...
8	..	...	...	...	...	0·2	..	0·1	0·5	...	...	...	...	...	...	...	...	...	..	...	.	...	...	...	...	0·8	..	0·7	...	...	...
9	...	0·2	...	...	...	0·1	...	0·3	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	1·2	...	...	...	..	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	0·2	...	0·1	...	...	...	...
11	...	...	...	...	...	...	...	..	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	..	0·7	...	...	...	...
Noon	...	...	...	...	..	...	0·1	...	...	..	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...
13h	0·3	...	0·1	...	...	0·1	0·1	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...
14	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·4	...	...	...	...	...
15	...	...	..	..	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	.	0·1	...	...	...	...	0.5	...	...	...	...	...
16		...	...	...	0·2	..	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	0·1	...	...	...
17	0·3	...	...	...	...	0·4	0·3	...	...	1·0	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	0·3	...	...	...	0·1	0·4	..	...	...	...	...	..	0·1	...	...	..	...	...	...	...	...	...	...	...	...	...	...	1.0	...	...	...
19	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	..	...	...	3·9	...	...	...
20	...	...	...	...	...	...	0·2	0·3	...	...	...	..	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	..	0·2	...	...	...
21	...	...	...	...	0·2	...	0.6	0.1	...	0·2	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...
22	...	...	..	...	0.5	...	...	...	...	...	...	...	0·1	...	0·1	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
23	...	...	...	...	...	...	...	...	...	...	...	..	0·6	5	0·1	...	...	...	...	...	...	...	...	...	...	...	0·3	...	..	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	0·1		...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION VACOAS FOR JULY 1936.

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
	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	mm	mm
1h	...	0·6	...	0·3	0·2	0·2	0·3	0·7	...	...	...	0·2	...	0·2	...	0·1	...	...	...	...	0·8	...	0·5	...	0.2	0.6	0·3	...	0·6	..	...
2	...	0·4	...	...	...	0·5	0·4	0·4	...	0·3	...	0·6	...	0·3	...	...	...	...	...	...	0·2	...	...	...	0.7	0·7	...	0·5	...	...	...
3	...	...	0·2	...	...	1·0	...	0·3	...	...	...	0·5	...	0·1	...	...	...	...	...	...	0·2	...	...	...	...	...	...	1·2	0·1	...	...
4	...	0·2	0·1	...	...	0·8	0·2	0·3	0·2	...	...	0.4	...	0·1	...	...	...	...	...	...	0·3	...	...	...	0·2	0·4	...	0.2	0·8	...	...
5	..	0·1	...	...	...	0·9	0·6	0·4	0·2	0·2	...	...	...	0·2	...	...	...	...	...	...	0·3	...	...	...	...	...	0.1	...	1·1	...	...
6	...	...	0·3	...	...	0·4	0·4	0·7	0·5	0·1	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	1·0	1.0	...	...	0·2	...	...
7	...	...	0·2	...	0·3	1·3	0·6	0·7	0·6	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...	1·4	0·4	...	0·4	0·8	...	...
8	...	...	...	...	...	0·2	0·3	0·3	0·4	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·6	0·6	0·9	1·0	...	0.8	...	...	...
9	...	...	...	...	0·1	0·2	0 2	0·5	0·6	..	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	0·6	0·8	...	...	...	...	...
10	...	...	...	...	0.2	0·2	0·2	0.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·7	...	...	...	...	...
11	0·1	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...
Noon	0.5	...	...	..	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3	...	...	...
13h	...	...	..	...	...	...	0·3	0·3	..	0·2	..	0·1	...	...	...	..	...	...	...	...	1·3	...	...	...	...	0·7	...	0·2	...	...	...
14	0·6	...	...	...	0·1	0·3	0·3	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	0·4	...	0·3	...	...	...
15	0·5	...	0·2	...	...	0·9	0.5	0·4	...	...	...	...	...	...	...	...	..	...	..	...	0·8	...	...	0·1	...	0·7	...	0·2	...	..	...
16	0·4	...	...	0·2	...	0·4	0·7	0·1	...	...	..	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	0·3	...	...	...
17	0·7	...	0.1	1·5	0·3	0·3	0·7	0·2	...	0·3	...	...	0·5	...	..	...	...	...	...	...	0·2	...	...	...	...	0·1	...	0·2	...	...	...
18	0·5	...	0 6	1·4	...	0·4	1·2	0·4	...	0·5	...	...	0·3	...	...	...	...	...	...	0·7	0·2	...	...	...	...	...	...	0·3	..	...	...
19	0·2	...	0·9	0·9	..	0·4	0·6	0·5	...	0·4	...	...	1·4	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	0·1	...	...	...
20	...	...	...	0.7	0·2	0·3	0·2	0·6	...	0.1	...	...	2·1	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...
21	...	...	0·5	0·8	0·2	0·1	0.5	0·5	...	..	..	.	1·2	...	...	...	...	...	...	0·2	...	...	0·3	...	...	...	...	0·1	...	...	...
22	...	...	...	0·3	0·2	0·6	0·4	0·6	0·2	...	...	...	0·9	0·1	0·2	...	...	...	..	0·3	...	0·3	0·6	...	...	...	...	0·7	...	...	...
23	...	...	...	...	...	0·4	0·6	...	...	...	...	...	0·3	...	...	...	...	..	...	1·1	...	...	0·2	...	...	...	...	0·6	0·1	..	...
24	0·5	...	0·4	...	...	...	0·3	...	...	...	0·1	...	0·5	0·5	3·0	...	...	...	...	...	...	...	0·1	...	...	1·2	0·9	0·1	...	...	...

TABLE XV—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF JULY 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	0·92	23·4	2·32	7
	St. Antoine	50	1·39	35·3	2·72	10
	Belmont	50	1·34	34·0	2·86	9
	Poudre d'Or	20	1·77	45·0	2·89	9
	Mon Loisir S. E.	300	1·46	37·0	3·54	13
	Forbach	300	0.96	24·4	2·08	6
	Couroupa...	...	1.31	33·2	3·07	13
*	Labourdonnais	290	0·79	20·0	3·10	5
	Mapou (Water Office) ...	...	0·00	0·0	...	0
	Beau Séjour	300	1·21	30·7	4·16	15
	Mont Piton	650	1·10	27·9	4.16	13
	Mon Choix	700	1·14	29·0	3·54	13
	Antoinette	640	...	...	3·96	...
	Mon Songe	620	1·86	47·2	4.23	15
	Botanical Gardens... ...	325	2·27	57·7	3·11	22
*	The Observatory	179	1·30	32·9	2.28	22
	Solitude	175	0·92	23·4	1·44	6
	St. André (Cour)	90	0·45	11·4	1·90	3
	La Nicolière	...	2·20	55·9	4·89	16
	California	...	0.97	24·6	41·7	6
	Australia	...	2·16	54·9	...	16
2 & 3	Union Régnard S.E.(Flacq)...	600	2·52	64·0	4·83	19
	Constance d'Arifat L.G. ...	100	1·90	48·3	3·73	21
	Rich Fund	600	2.53	64·3	4·79	21
	La Joffrette	...	2·34	59·4	...	9
	Belle Vue (Allendy) ...	...	1.48	37·6	4·07	15
4	Sans Souci	900	6·66	169·2	9·73	27
	Beau Champ (G.R.S.E.) ..	20	1·72	43·7	3·19	15
	Olivia	400	3·41	86·6	5.57	22
	Trois Ilots	...	1·82	46·2	..	20
	Belle Rive	400	4·24	107·7	6·43	26
	Sébastopol	700	4·82	122·4	...	22
	Bonne Veine	400	4·57	116.1	7·60	25
5	Rose Belle	850	5·75	146·1	8·40	24
	New Grove	650	3.91	99·3	...	21
	Mon Trésor	...	1·95	49·5	...	16
	Mon Désert (Carié) ...	75	0.95	24·1	2·98	15
	Ferney	20	1·87	47·5	5·00	16
	Sauve Terre	...	1·14	29·0	...	13
6	Tivoli	1,300	6·98	177·3	9·38	28
	La Flora...	1,050	5·87	149.1	8·67	27
	Riche Bois (Brit.) ...	650	2.62	66·	6·92	21

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches.	Number of days
	Britannia (Estate) ...	700	3·81	96·8	6·45	24
	Savannah (Mill) ...	200	1·54	39·1	3·86	14
	St. Aubin	300	2·22	56·4	4·53	15
	St. Avold	900	3·23	82·0	7·38	26
	Colmar	400	3.55	90·2	5·27	21
	Union S. E.	...	2.56	65·0	3·95	12
	Fontenelle	320	4·22	107·2	4·89	11
	Choisy	200	2·75	69·9	2·71	18
	Beau Bois	...	3·44	87·4	6·35	16
	Bel Air	...	20.1	51.1	3·70	8
	St. Félix	...	2·80	71·1	...	8
7,8,9 & 10	Bel Ombre	40	2·64	67·1	2·94	14
	Beau Champ (B. du Cap)	70	2·89	73·4	2·75	15
	Frélérica	...	4·13	104·9	3·50	17
	Pierre Fond	...	1·34	34·0	1·14	19
	Ste. Marie	...	3·87	98·3	...	16
	Hussonia Limited .	...	0·04	1·0	...	1
11	Curepipe Gardens ...	1,840	8·81	223·8	8·17	31
	Mare aux Vacoas (G.E.)	1,850	8·04	204·2	11·28	25
	Mare aux Vacoas (Arn.)	1,830	9·75	247·7	11·21	26
	La Marie Filter Bed ..	1,700	4·93	125·2	6·75	22
*	Sophie	...	7.91	201·0	...	24
	Réunion	1,420	4·13	104·9	5·15	24
*	Aerological Station ...	1,393	4·07	103·3	4·50	26
	Phœnix	...	2.78	70·6	4·20	12
	Quatre Bornes... ...	...	1·80	45·7	...	19
12	Quatre Bornes (Board) ...	1,090	1·44	36·6	...	8
*	Le Réduit (D. of A.) ...	1,000	1·90	48·2	2·50	28
	Alma...	1,460	4·75	120·7	7·97	24
	Bagatelle	1,250	4·02	102·1	3·96	23
	Highlands	1,300	4·60	116·8	4·49	24
	Trianon	950	1·87	47·5	2·73	19
	Val Ory	1,100	1·39	35·3	3·10	11
	Bassin	...	1·29	32·8	2·15	14
	Hermitage	1,450	8·70	221·0	7·25	23
	Ebene	...	2·44	62·0	...	22
	Bega...	...	1·52	38·6	...	22
	Mon Rêve	...	2.67	67·8	...	21
	Mont Pevril	...	2·46	62·5	...	22
	Minissy	1,150	2·84	72·1	3·22	21
	Plaisance	...	1·20	30·5	...	6
	La Ferme	350	0·20	5·1	1·25	7

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of JULY 1936.

Type. / Day.	Time	Scud		Cumulus Cu. St. &c		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cumulus Cu. St. &c.		Alto Cu. Alto St.		Cirro Cumulus		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	..	...	..	...	..	...	...	...	...	...	...	15½	...	..	98	6·9*	...	..	...	...	..	...	...	...
2	11¼	80	6·7*	90	14·3*	...	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	..	..	...	...	...	...	...	...	...	...	...	...	12¾	...	...	135	3·6*	...	...	...	..	...	...	...	...
4	10¾	...	...	...	...	330	3·8	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
5	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	11¼	...	...	102	14·8*	227	7·4*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	..	...	...	...	...	...	...	...	15½	...	...	110	18·6*	300	...	...	..	...	...	...	...
9	...	...	...	...	...	...	..	...	...	...	...	...	...	14¾	75	...	90	23·0	...	...	..	...	...	...	...	...
10	...	...	...	..	..	...	...	...	...	...	...	...	...	13¼	97	24·6*	105	21·1*	...	...	...	...	...	...	...	...
11	9½	105	10·5*	105	14·6*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	11¼	110	14·2*	92	12·4*	...	..	...	...	...	...	...	...	13¾	...	...	120	12·3*	...	...	...	...	...	...	...	...
14	11½	...	...	112	10·5*	...	...	...	...	...	...	...	...	15½	...	...	98	8·4*	...	...	...	...	...	...	..	...
15	11¼	...	...	58	12·2*	52	8·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	..	...	...	..	15¼	20	...	120	4·8	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	05	14·9	120	12·3	...	...	...	...	...	.	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	..
20	11¼	105	33·1*	120	8·6*	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	..	..	...	...	...	...	...	...	...	...	...	...	...	3¾	...	...	112	16·6*	...	...	...	...	...	..	...	...
22	...	...	...	...	..	...	...	...	...	...	...	...	...	15	135	8·0	120	8·3	...	...	...	...	...	...	...	...
23	...	...	..	...	.	...	...	...	...	...	...	...	...	14	113	14·0*	98	20.2*	...	..	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...
25	..	...	...	...	...	...	...	...	...	...	...	...	...	14¼	...	..	105	15·1*	98	13.2*	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
27	11½	90	11·3*	93	14·9*	...	...	...	...	...	...	...	...	15	90	14·5	105	14·4	...	...	...	...	...	...	...	...
28	11½	90	17·3*	96	11·3*	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	83	5·3*	83	8·3*	30	8·0	...	...	30	13.9	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	...	...	150	8·9*	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	..	...	...	...	...	...	...	14¼	...	...	128	4·7*	...	...	...	...	...	...	..	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec.

* Observatory Pamplemousses.

45/4/37—R.A.O. 250

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

AUGUST, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1937

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF AUGUST 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HR: 10000	ZR: 10000
AUG.	° ′			′				
1	13°11·6	·22489	·29693	2·7	22	16	49	47
2	11·7	495	687	6·7	32	52	72	154
3	12.3	501	688	6·0	31	39	70	116
4	11·6	485	691	4·0	79	26	178	77
5	12·4	498	691	6·0	72	28	162	83
6	11·4	494	694	5·5	45	17	101	50
7	12·1	492	695	3·8	133	15	299	45
8	11·7	515	...	5·3	42	...	95	...
9	11·9	500	706	5·0	56	16	126	47
10	11·5	501	708	4.8	65	21	146	62
11	11·9	505	708	6·2	24	22	54	65
12	12·4	509	709	8·0	27	32	61	95
13	11·7	508	711	7·0	30	29	68	86
14	12·3	519	711	8·0	42	33	94	98
15	11·5	509	713	7·3	26	21	59	62
16	12·2	508	710	8·0	37	37	83	108
17	12·5	507	714	7·8	30	26	68	77
18	12·5	511	709	7·4	43	43	97	128
19	12·2	517	708	7·2	63	30	142	89
20	12·1	509	707	6·5	56	32	126	95
21	12·6	528	711	7·0	98	26	220	77
22	12·1	505	709	5·5	38	12	86	36
23	12·1	505	706	5·8	41	23	92	68
24	11·8	508	707	5·7	28	20	63	59
25	12·8	516	704	7·3	53	27	119	80
26	12·9	513	705	7·7	52	13	117	39
27	11·8	507	703	6·0	75	18	169	53
28	...	...	...	...	...	...	...	...
29	...	...	701	...	...	24	...	71
30	11·8	498	706	4·8	70	13	157	39
31	12·6	489	709	7·0	35	18	79	53
Mean	13°12·07	·22505	·29704	6·21	49·8	25·1	112·1	74·5

T=·37265 : Mean Dip=52° 51·05′ : (X=·21911 : Y=−·05139 : Z=·29704).

† The daily range is the difference between the greatest and least hourly values.

Description of the Principal Magnetic Disturbances.

Declination.—30d. and 31d. Very faintly disturbed.

Horizontal Force.—5d. Very slightly disturbed.
9d. Slightly disturbed—At $0^h.55^m$ sharp positive wave of (29γ).
10d. Slightly disturbed.
25d. to 28d. Very slightly disturbed.
30d. Disturbed; small oscillations superposed on the fluctuating trace.
31d. Slightly disturbed.

Vertical Force.—9d. Slightly disturbed—At $0^h.45^m$ small positive wave (5γ).
10d. Faint pulsation superposed on the trace.
30d. Slightly disturbed; occasional small pulsations on the trace.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of AUGUST 1936.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
d h m	° ′	d h m		d h m	° ′	
7·13.49	13·12·9	1·11·13	·22489	7.13.25	52.48.37	·29690
11·14·38	13·08·0	5·11·51	·22538	11·14·21	52·51·25	·29703
18·11·55	13·15·1	10 11·33	·22523	18·11·45	52·49·00	·29711
28·12·43	13·13·5	13· 9·43	·22527	28 12·35	52·50·68	·29692
		17·11·17	·22498			
		20· 9·06	·22495			
		24· 9·22	·22524			
		27· 9·09	·22528			

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

AUGUST 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	12·5	11·7	11·7	12·0	11·5	13·0	12·3	11·5	12·7	13·3	12·5	12·3	12·7	12·3	12·5	12·3	Midnight
1h	12·3	11·7	11·0	12·0	11·7	12·5	12·2	11·5	12·0	12·5	12·5	12·3	12·5	12·3	12·3	12·5	1h
2	12·0	12·0	12·0	12·5	12·0	12·5	12·1	11·5	13·0	12·0	12·2	12·0	12·3	12·3	12·5	12.5	2
3	12·0	12·0	12·0	12·3	12·0	12·5	12·0	11·7	12·0	10·5	12·0	12·0	10·5	12·0	12·5	12·3	3
4	12·0	11·8	12·0	12.2	12·0	12·3	12·3	11·3	12·0	10·5	11·8	12·0	11·5	11·8	12·5	12.5	4
5	12·2	11·5	11·5	12·0	12·0	12·7	12·2	11·7	11·0	10·7	11·5	11·7	11·7	11·5	12·3	12·3	5
6	11·5	11·7	11·5	11·0	11·7	12·3	12·0	11·5	10·2	10·5	11.5	11·5	11·5	11·5	12·0	12.0	6
7	10·0	10·2	10·0	10·0	10·0	09·5	10·5	10·0	09·0	08·5	10·5	11·0	11·0	11·0	10·7	11·7	7
8	10·0	11·0	10·7	09·3	09·5	07·5	11·0	10·0	10·0	09·0	12·0	12·5	10·5	12·2	10·5	12·5	8
9	11·0	12·0	12·0	10·5	11·0	09·0	12·5	12·0	12·0	10·5	14·0	15·0	13·0	14·0	13·0	14·0	9
10	11·5	13·7	14·0	12·0	13·0	10·0	13·5	14·0	14·0	12·5	15·2	17·0	15·0	16·0	14·3	15.0	10
11	12·0	14·7	15·5	13·3	14·7	10·0	13·7	13·5	14·0	13·0	14·5	16·3	13·5	17·0	14·0	14·7	11
Noon	12·5	13·5	16.0	13·0	15·5	11·0	13·8	13·0	13·0	13·0	13·5	15·0	13·0	15·0	12·5	14·5	Noon
13h	11·3	11·0	15·5	12·7	15.0	10·3	13·0	13·0	12·7	12·0	11·0	13·0	11·0	13·5	10·5	14·0	13h
14	11·0	08·7	13·0	11·0	14·3	10·0	12·5	10·0	11·0	11·0	09·0	10·0	10·0	11·0	08·0	10·5	14
15	10·0	08·0	11·0	09·3	15·0	09·8	10·5	08·7	10·0	10·5	07·5	09·0	08·2	09·0	07·0	07·5	15
16	09·8	09.0	10·0	09·5	11·0	10·0	10·0	09·0	09·0	10·0	08·0	09·3	08·0	09·0	07·5	07·0	16
17	11·0	11.0	11·0	11·0	11·5	12·0	11·0	11·0	10·5	10·3	10·0	10·5	10·0	10·0	10·0	10·0	17
18	12·0	12·5	12·5	12·0	13·0	13·0	12·0	12·0	12·0	11·7	12·0	12·0	12·0	12·0	11·5	11·5	18
19	12·3	12·7	12·7	12·3	12·5	12·7	12·7	12·7	12·3	12·7	12·5	12·5	12·3	12·3	12·0	12·3	19
20	12·3	12·7	12·5	12·3	13·0	12·7	13·0	13·0	12·5	13·3	13·0	13·5	12·5	12·5	12·0	12·5	20
21	12·3	12·7	12·3	12·2	12·3	12·5	12·7	12·5	13.0	13·0	12·7	12·7	12·5	12·5	12·0	12·5	21
22	12·5	12·3	12·0	12·0	12·2	12·5	12·3	13·0	13·0	13·0	13·0	12·5	12·7	12·5	12·0	12.5	22
23	12·3	12·0	12·0	12·0	12·5	12·5	12·0	12·3	13·5	12·7	12·5	12·7	12·5	12·5	12·0	12·5	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d.	Mean	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	12·5	12·7	12·2	12·3	12·7	12·5	13·0	13·0	13·0	12.3	13·0	12·7	...	13·0	14·0	12·5	Midnight
1h	12·7	12·7	12·3	12·0	13·5	12·3	13·0	12.5	13·2	12·0	12·7	12·5	...	13·1	13·0	12·4	1h
2	13·0	12·5	12·5	12·0	13·3	12·5	12·5	12·7	13·3	12·5	12·5	13·0	...	13·2	12.7	12·4	2
3	13·0	12·5	12·7	12·0	13·3	12·3	12·3	12·5	13·0	12·5	12·5	12·7	*	12·5	12·0	12·2	3
4	13·0	12·7	12·7	12·5	13·0	12·2	12·3	12·5	13·2	12·5	12·2	12·3	12·3	12·3	12·0	12·2	4
5	13·0	12·7	12·5	12·3	12·0	12·0	12·2	12·3	13·0	12·7	12·0	12·0	12·0	11·0	11·5	12·0	5
6	12·5	12·5	12·3	12·2	12·0	12·0	12·3	12·5	13·0	12·3	11·5	*	11·5	10·3	11·0	11·7	6
7	11·0	11·0	11·0	11·0	10·3	12·0	11·0	12·3	11·5	11·0	10·3	...	12·0	09·5	10·3	10·5	7
8	10·5	11·5	11·3	12·0	11·0	13·0	11·0	13·0	12·5	12·3	11·0	...	13·0	08·5	10·0	10·9	8
9	13·0	13·0	12·0	13·0	13·0	14·0	13·0	14·0	14·0	14·0	13·0	...	15·0	11·0	14.5	12·7	9
10	14·5	14·7	14·5	14·5	15·0	14·7	14·0	14·7	16·0	17·0	14·0	...	16·5	13·3	17·0	14·3	10
11	16·3	15·7	15.5	15·0	16.0	13·0	15·0	14·0	16·0	18·0	13·5	...	16·0	12·0	16·3	14·5	11
Noon	16·0	15·5	14·0	14·5	16·0	11·5	13·3	12·0	16·3	16·0	12·0	...	14·2	11·3	14·5	13·8	Noon
13h	14·0	15·0	12·0	13·0	14·5	10·3	11·5	10·0	15·0	14·0	11·0	...	12·0	12·0	13·0	12·6	13h
14	11·5	13·5	09·0	10·0	12·0	10·0	09·3	09·0	11·5	12·3	10·0	...	10·3	12·0	11·0	10·8	14
15	09·3	10·0	08·3	08·0	09·0	09·2	09·2	09·3	09·3	11·0	09·5	...	09·5	11·0	10·0	09·4	15
16	08·5	08·3	08·5	08·0	09·0	10·0	09·5	09·5	09·0	10·3	08·0	...	09·0	11·0	10·0	09·2	16
17	11·0	10·0	10·5	10·5	10·3	11·0	10·0	10·5	10·5	10·7	09·3	...	10·5	11·2	12·0	10·6	17
18	12·5	12·0	12·3	12·0	12·0	12·0	12·5	12·0	12·0	12·0	11·0	...	12·0	12·5	12·7	12·1	18
19	12·7	12·3	12·5	12·2	13·0	12·7	12·7	11·0	12·5	12·7	12.0	...	12·3	12·7	13·0	12·5	19
20	12·7	12·5	13·0	12·5	13·0	12·7	12·0	11·3	13·0	13·0	12·5	...	12·3	12·5	13.0	12·6	20
21	12·3	12·3	13·0	12·7	13·0	13·0	13·0	11·3	13·0	13·0	13·0	...	12·7	12·3	13·0	12·6	21
22	12·7	12·3	13·0	13·0	12·7	12·7	13·0	11·0	12·7	13·0	13·3	...	13·0	12·0	13·0	12.6	22
23	12·2	12·2	13·2	13·0	12·5	13·3	13·0	11·0	12·3	13·0	13·3	...	13·0	13·0	13·0	12·5	23

* Gas Light failed.

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 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	486	483	488	443	492	479	485	509	485	487	499	501	501	500	511	499	Midnight
1h	485	485	490	447	493	480	485	509	510	488	497	501	500	501	511	500	1h
2	490	487	497	447	499	486	487	511	490	492	499	501	501	502	511	500	2
3	490	487	493	440	500	487	490	513	497	497	500	502	510	505	512	501	3
4	492	491	499	443	501	489	495	519	503	505	500	505	510	509	512	502	4
5	491	489	501	442	503	495	499	521	509	507	503	508	510	512	511	501	5
6	487	492	502	449	507	493	502	523	512	510	512	512	512	517	516	507	6
7	497	499	508	505	513	500	507	529	523	520	513	518	515	522	518	508	7
8	500	500	513	509	522	513	511	535	523	529	517	523	520	530	519	513	8
9	500	497	514	519	527	515	515	541	531	527	520	523	523	542	518	514	9
10	502	497	517	510	527	512	517	539	529	530	520	525	527	542	514	520	10
11	498	495	516	507	528	520	530	533	517	525	521	527	525	541	515	525	11
Noon	497	494	519	513	532	519	538	534	515	517	521	522	522	540	513	534	Noon
13h	493	507	519	510	531	516	437	533	509	511	513	505	513	537	515	525	13h
14	489	515	517	510	523	510	427	533	506	507	504	505	503	531	521	520	14
15	485	514	516	502	503	497	415	517	490	495	501	514	507	525	512	513	15
16	480	505	500	493	480	482	405	506	477	475	497	502	507	520	500	507	16
17	481	494	490	485	467	475	500	497	475	465	497	503	497	512	497	500	17
18	481	496	489	488	460	475	504	497	480	473	499	514	497	515	497	501	18
19	482	494	489	489	465	477	508	499	473	485	497	507	497	513	495	501	19
20	480	490	489	490	472	486	507	499	479	489	499	502	499	512	499	501	20
21	481	491	491	491	475	485	507	497	487	490	499	503	500	510	499	499	21
22	482	492	492	491	470	485	507	493	485	495	500	502	501	509	498	498	22
23	483	490	489	491	469	487	508	495	485	497	501	500	500	508	499	497	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day. \ Hour.
	·22000 + (C.G.S. UNIT)																
Midnight	497	498	502	499	530	497	486	499	500	500	503	497	...	493	475	494·0	Midnight
1h	497	497	503	500	521	498	490	497	500	497	503	495	...	495	487	495·4	1h
2	498	502	505	501	530	500	491	499	500	502	503	498	...	499	480	496·9	2
3	498	502	507	505	534	500	493	501	500	501	503	494	*	507	481	498·5	3
4	500	502	508	506	540	499	497	502	500	500	505	500	509	505	480	500·6	4
5	500	503	509	505	550	501	499	502	503	505	506	500	508	498	490	502·7	5
6	500	506	512	507	550	501	501	507	504	510	510	*	510	497	489	505·1	6
7	505	510	517	511	557	505	507	513	510	515	520	...	517	496	492	512·2	7
8	511	520	524	518	565	509	519	520	522	525	524	...	525	512	487	518·4	8
9	517	528	531	524	573	511	521	523	530	535	529	...	527	524	495	523·0	9
10	524	535	539	529	578	512	527	523	547	538	535	...	527	530	495	525·5	10
11	527	536	550	535	583	515	526	520	553	545	545	...	530	535	500	527·3	11
Noon	523	540	557	537	582	521	527	525	550	549	550	...	526	537	509	528·9	Noon
13h	527	532	560	535	530	510	526	525	540	540	533	...	523	517	510	519·3	13h
14	527	527	550	528	525	500	527	520	535	527	523	...	522	508	500	514·4	14
15	515	525	530	520	510	497	515	510	525	520	505	...	507	495	492	505·7	15
16	502	510	516	517	493	491	501	500	515	503	485	...	500	485	488	494·6	16
17	498	498	507	504	485	486	491	497	512	497	475	...	492	481	484	491·4	17
18	499	497	503	497	486	491	492	500	512	502	477	...	491	480	485	492·7	18
19	499	500	500	490	487	495	493	500	511	501	481	...	491	475	482	492·6	19
20	499	499	497	490	490	495	494	500	510	501	489	...	491	475	481	493·6	20
21	497	499	497	486	491	494	497	499	507	500	493	..	495	477	483	494·0	21
22	499	500	497	482	492	487	497	499	506	503	492	...	494	470	483	493·3	22
23	500	500	497	481	493	483	498	501	503	502	492	...	495	467	483	493·1	23

* Gas Light failed.

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 1936.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	·29000+(C.G.S. UNIT.)																
Midnight	694	695	693	693	694	699	700	699	706	711	711	712	712	713	712	715	Midnight
1h	694	694	692	692	693	697	699	699	707	710	711	712	711	713	711	714	1h
2	693	694	691	691	692	695	698	698	706	709	711	712	711	713	711	713	2
3	693	693	691	691	691	694	697	698	705	709	711	712	711	713	711	713	3
4	693	693	691	691	691	693	695	698	703	709	711	712	711	712	711	713	4
5	694	694	690	691	691	693	695	697	702	708	711	712	712	713	712	714	5
6	695	696	691	691	691	693	694	696	700	707	710	712	712	715	712	713	6
7	692	693	690	691	689	689	693	692	703	703	709	711	711	713	710	714	7
8	694	695	693	692	690	689	696	698	709	708	711	716	712	719	711	717	8
9	695	699	699	698	697	691	700	706	713	711	715	720	721	721	719	720	9
10	695	701	700	701	701	692	702	*	715	717	711	721	723	723	720	720	10
11	693	698	698	700	702	693	701	...	710	711	702	715	716	720	721	712	11
Noon	691	683	691	692	699	692	700	...	708	709	698	707	710	711	717	706	Noon
13h	689	657	681	689	687	691	692	...	702	705	693	699	701	705	708	697	13h
14	683	649	669	677	679	685	690	...	700	701	695	690	697	693	705	686	14
15	681	659	661	675	676	683	683	...	699	696	699	689	694	690	700	683	15
16	684	669	662	679	674	688	685	...	700	699	703	695	699	700	700	694	16
17	692	671	675	685	681	692	689	..	703	705	709	704	706	708	704	706	17
18	696	691	686	691	691	699	693	701	707	709	713	710	714	713	712	713	18
19	697	692	690	693	692	699	695	701	708	710	713	711	715	712	719	714	19
20	697	695	691	695	695	700	696	701	709	710	714	711	715	713	719	713	20
21	697	695	692	696	696	699	698	701	709	711	714	712	714	713	719	715	21
22	697	693	693	695	698	700	698	703	709	711	713	712	713	713	718	715	22
23	696	692	693	695	699	700	699	703	711	711	712	712	713	713	716	715	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	715	717	712	711	715	711	712	711	709	705	705	705	704	703	710	706·9	Midnight
1h	714	716	711	710	713	710	711	711	709	705	705	705	704	703	705	706·1	1h
2	713	713	711	710	712	711	711	711	708	706	705	705	704	703	705	705·6	2
3	712	713	710	709	711	709	710	711	708	705	706	705	704	702	705	705·2	3
4	712	713	710	709	710	709	709	709	707	705	705	705	705	702	705	704·8	4
5	713	713	710	709	709	708	709	709	706	706	705	704	704	703	706	704·9	5
6	713	713	710	709	709	707	708	708	705	703	704	*	704	702	706	704·6	6
7	712	712	709	708	707	706	705	708	704	702	702	...	704	702	707	703·4	7
8	716	715	710	711	711	710	707	710	709	705	705	...	709	709	712	706·6	8
9	722	721	717	714	720	715	710	712	713	707	711	...	711	712	720	711·2	9
10	725	723	720	717	723	715	711	715	717	710	710	...	709	714	721	712·8	10
11	721	720	713	712	721	711	711	710	710	709	702	...	700	713	712	708·9	11
Noon	720	710	710	709	719	707	707	705	703	704	695	...	691	709	703	703·7	Noon
13h	710	700	700	698	708	705	699	701	700	700	697	...	688	708	703	697·0	13h
14	702	689	691	685	702	704	690	696	691	698	696	...	687	702	707	691·0	14
15	699	680	690	686	697	703	689	695	690	697	694	...	689	701	709	689·2	15
16	702	683	695	691	700	705	696	699	694	698	693	...	692	703	710	692·8	16
17	711	696	704	703	706	707	706	701	700	700	700	...	697	707	711	699·3	17
18	717	707	710	710	711	709	710	705	703	713	706	...	702	709	711	705·6	18
19	717	710	711	711	711	709	699	708	702	714	706	...	702	708	711	706·2	19
20	718	712	711	712	712	709	710	709	701	713	707	...	702	709	711	707·2	20
21	717	714	712	713	712	710	711	709	703	705	707	...	703	709	711	707·4	21
22	717	715	712	715	712	711	711	709	704	705	707	...	704	707	710	707·5	22
23	716	715	713	715	713	712	711	709	705	705	706	...	704	710	709	707·6	23

* Gas Light failed.

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS (424·5 metres above mean sea-level) during the MONTH of AUGUST 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
AUG.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	971·7	17·9	3·6	11·3	65	13·3	105	5·4	1	14·2	16·6	19·0	15·2	19·6	13·6	6·0	0·6	11	10·6	95
2	971·3	16·2	0·9	14·5	90	16·4	105	3·6	1	14·0	15·3	18·6	15·9	20·0	12·3	7·7	0·4	4	4·6	40
3	970·0	20·3	2·6	15·7	75	17·7	105	0·5	0	14·1	18·0	22·0	13·5	23·1	11·8	11·3	0·0	0	11·0	98
4	968·3	16·9	2·0	13·2	79	15·0	160	4·0	3	13·5	15·1	19·0	12·9	20·0	12·5	7·5	3·5	52	7·1	63
5	967·7	18·7	3·4	12·5	67	14·4	130	3·1	2	11·1	16·2	19·8	19·0	20·4	10·9	9·5	0·2	3	4·9	44
6	970·3	18·4	3·7	11·6	64	13·5	Calm		0	10·6	16·9	20·8	13·0	22·5	8·0	14·5	0·0	0	6·8	61
7	971·0	19·9	4·2	12·3	62	14·2	Calm		1	10·0	15·2	23·0	16·0	23·1	9·0	14·1	0·0	0	10·9	96
8	971·2	19·9	5·4	10·1	53	12·3	110	3·6	0	14·8	19·6	22·0	17·0	22·2	13·7	8·5	0·1	1	10·9	96
9	970·4	20·5	3·8	13·7	65	15·5	Calm		1	15·6	19·6	20·0	15·1	22·6	14·9	7·7	0·1	1	4·8	43
10	972·7	19·4	4·3	11·6	61	13·5	130	2·7	0	10·0	19·0	21·6	13·5	22·5	9·8	12·7	0·0	0	11·2	99
11	974·7	17·7	1·6	14·7	83	16·6	110	4·9	8	13·6	17·7	19·8	15·3	22·0	13·0	9·0	0·1	1	5·5	49
12	974·3	20·3	2·9	15·1	72	17·0	110	7·2	7	14·7	18·3	19·6	16·8	21·6	14·0	7·6	0·2	1	5·7	50
13	975·1	18·2	2·7	13·3	73	15·1	110	5·4	8	15·7	16·7	19·5	15·0	20·5	13·2	7·3	0·5	4	7·5	66
14	974·1	19·4	3·9	12·3	64	14·2	110	6·3	7	13·4	17·8	20·3	16·8	20·9	12·0	8·9	1·5	23	9·8	86
15	972·2	19·3	2·6	14·6	74	16·5	110	6·3	4	16·1	16·0	20·1	15·5	20·6	15·0	5·6	2·8	45	9·2	81
16	971·7	18·5	3·1	12·8	70	14·7	110	7·2	2	15·0	17·0	20·0	15·0	20·9	13·1	7·8	0·0	0	10·8	95
17	972·3	18·9	3·4	12·7	68	14·6	110	6·3	8	14·4	15·5	20·2	16·6	20·6	14·1	6·5	0·8	10	9·0	79
18	972·6	17·7	2·6	12·9	74	14·8	110	4·9	10	16·0	17·5	17·3	16·3	19·6	13·3	6·3	0·8	18	1·2	11
19	971·2	17·9	2·4	13·5	76	15·4	145	5·4	10	16·2	17·8	17·6	16·0	20·8	16·0	4·8	0·0	0	0·2	2
20	972·7	18·6	3·7	11·8	65	13·7	105	5·4	10	15·8	17·2	19·1	13·6	20·4	13·6	6·8	0·1	1	0·6	4
21	973·8	19·0	3·0	13·6	71	15·4	105	7·2	4	13·8	16·0	20·5	16·9	21·6	12·6	9·0	1·8	43	8·2	71
22	973·0	18·3	1·4	15·7	85	17·7	110	8·1	7	16·0	16·0	18·3	16·2	20·2	16·0	4·2	8·3	117	5·6	49
23	973·2	17·8	0·9	16·1	90	18·1	95	11·6	8	16·1	16·4	18·0	16·2	19·6	15·3	4·3	14·1	145	5·3	46
24	973·7	19·5	3·5	13·2	67	15·0	90	7·6	4	15·9	17·7	*	*	21·1	15·4	5·7	2·1	30	8·8	77
25	973·9	19·2	1·0	17·4	90	19·7	90	5·4	10	*	*	*	*	21·8	16·4	5·4	1·4	18	8·2	71
26	973·8	20·4	2·8	15·4	73	17·3	100	5·4	6	...	...	21·3	...	22·4	14·8	7·6	0·2	1	9·3	80
27	973·0	18·5	2·2	14·5	78	16·4	110	5·8	6	.	...	19·9	...	21·1	14·5	6·6	0·0	0	10·2	88
28	971·4	19·9	2·9	14·7	72	16·6	110	4·5	9	...	...	19·9	...	21·1	14·7	6·4	0·2	2	8·0	69
29	970·2	19·9	2·9	14·7	72	16·6	100	2·2	8	...	...	...	...	22·4	14·7	7·7	0·5	5	7·8	77
30	972·3	20·5	3·3	14·6	69	16·5	130	8·5	3	...	...	...	...	21·6	15·5	6·1	4·4	89	8·9	77
31	974·2	17.6	3·4	11·3	67	13·3	110	8·9	5	...	...	17·9	..	20·6	13·3	7·3	1·1	23	5·0	43
Mean	972·2	18·9	2·9	13·6	72·1	15·5	...	5·1	4·9	14·2	16·9	19·8	15·5	21·2	13·4	7·8	45·8	648	7·34	64·7
Average	972·7	18·6	2·1	15·0	79·3	17·0	...	5·4	6·2	...	...	...	...	20·5	14·5	6·0	127·3	...	6·89	60·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	42·5mbs.	Amount of rain	—	31·6mms.
Temperature of the Air	+	3·4°C	Duration of sunshine	—	4·9hrs.
Vapour Pressure	+	0·2mbs.	Mean of maximum temperatures	+	3·1°C
Relative Humidity	—	14·8%	,, minimum temperatures	+	1·3°C
Velocity of Wind	+	0·8mps.	Absolute maximum temperature	+	2·8°C
Amount of Cloud	+	0·5	,, minimum temperature	+	3·1°C
Greatest Rainfall intensity		...			

* Instrument out of order.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1936

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average.	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
AUG.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mms.	min	mms.	
1	1013·4	− 0·6	22·9	14·8	8·1	18·7	− 1·0	3·5	12·3	− 2·9	66	− 9	14·2	10·8	0·0	...	4·6	3·7
2	1012·9	− 1·1	22·1	14·0	8·1	18·1	− 1·6	2·6	13·3	− 1·7	73	− 2	15·1	10·9	0·0	...	4·0	5·7
3	1011·2	− 2·8	24·6	11·9	12·7	18·0	− 1·8	3·3	12·0	− 3·1	68	− 7	13·9	8·6	0·1	2	3·3	1·3
4	1009·3	− 4·7	24·1	14·1	10·0	19·0	− 0·8	3·6	12·5	− 2·6	66	− 9	14·4	10·1	0·0	...	4·0	6·5
5	1009·5	− 4·5	22·8	11·7	11·1	17·4	− 2·4	2·6	12·6	− 2·5	74	− 1	14·5	7·2	0·2	15	4·0	5·3
6	1011·1	− 2·9	24·2	11·8	12·4	17·7	− 2·1	3·0	12·2	− 2·9	70	− 5	14·1	7·9	0·0	...	2·9	2·1
7	1012·4	− 1·6	24·3	12·0	12·3	18·4	− 1·4	3·1	12·7	− 2.4	70	− 5	14·6	9·0	0·0	...	4·3	2·0
8	1012·4	− 1·6	25·2	13·8	11·4	19·9	+ 0·1	3·9	12·8	− 2·3	64	− 11	24·7	9·1	0·0	...	5·0	3·3
9	1012·3	− 1·7	25·0	12·7	12·3	19·1	− 0·7	3·2	13·3	− 1·8	69	− 5	15.1	12·2	0·0	...	5·3	5·6
10	1014·0	0·0	25·1	11·1	14·0	17·6	− 2·2	3·2	11·7	− 3·4	68	− 6	13·6	7·2	0·0	...	3·0	0·9
11	1014·8	+ 0·8	24·2	12·0	12·2	17·5	− 2·3	2·5	12·9	− 2·2	75	+ 1	14·8	7·8	0·0	...	3·8	3·2
12	1016·2	+ 2·2	24·0	14·0	10·0	19·3	− 0·6	2·9	14·1	− 1·1	72	− 2	15·9	10·8	0·1	5	4·1	6·0
13	1016·3	+ 2·3	24·1	13·0	11·1	18·3	− 1·6	3·4	12·2	− 3·0	68	− 6	14·1	9·2	0·1	5	3·3	3·5
14	1015·5	+ 1·5	24·5	13·8	10·7	19·4	− 0·5	3·4	13·3	− 1·9	68	− 6	15·1	11·1	0·1	5	5·4	5·3
15	1013·9	− 0·1	24·0	17·4	6·5	20·1	+ 0·2	3·0	14·7	− 0·5	71	− 3	16·6	16·0	0·6	32	4·2	4·8
16	1013·7	− 0·3	24·5	12·4	12·1	18·8	− 1·1	3·6	12·2	− 3·0	66	− 8	14·1	9·0	0·0	...	5·6	2·7
17	1014·4	+ 0·3	23·9	15·6	8·3	19·9	0·0	4·1	12·5	− 2·7	63	− 11	14·4	13·2	0·0	...	5·0	8·0
18	1013·8	− 0·3	23·9	16·5	7·4	20·0	0·0	3·8	13·2	− 2·0	65	− 9	15·0	15.1	0·0	...	4·5	9·2
19	1013·0	− 1·1	23·1	18·4	4·7	20·3	+ 0·3	3·3	14·4	− 0·8	69	− 5	16·3	16·2	0·0	...	3·8	9·4
20	1014·8	+ 0·7	23·1	15·0	8·1	19·7	− 0·3	4·1	12·3	− 2·9	63	− 11	14·2	13·9	0·0	...	2·2	9·0
21	1015·4	+ 1·2	24·8	14·0	10.8	19·5	− 0·5	3·8	12·6	− 2·6	65	− 9	14·5	12·9	0·3	19	4·0	4·4
22	1014·9	+ 0·7	23·9	17·0	6·9	20·0	− 0·1	3·2	14·3	− 1·0	70	− 4	16·2	13·3	0·3	12	5·4	4·4
23	1015·6	+ 1·4	23·9	18·0	5·9	20·1	0·0	2·7	15·3	0·0	74	0	17·2	17·0	2·6	52	5·1	5·9
24	1016·1	+ 1·8	24·8	18·4	6·4	20·9	+ 0·8	3·1	15·4	+ 0·1	71	− 3	17·3	16·3	0·5	14	4·3	5·1
25	1016·1	+ 1·8	24·5	18·2	6·3	20·6	+ 0·5	2·4	16·3	+ 1·0	77	+ 3	18·4	17·0	8·9	107	4·8	6·6
26	1015·4	+ 1·1	25·6	16·6	9·0	20·6	+ 0·4	2·5	16·1	+ 0·9	75	+ 2	18·1	12.0	0·0	...	4·4	3·0
27	1014·1	− 0·2	24·2	15·0	9·2	19·8	− 0·4	3·0	14·4	− 0·8	71	− 2	16·3	12·2	0·0	...	5·3	2·7
28	1012·7	− 1·6	25·9	15·7	10·2	20·2	0·0	2·9	15·0	− 0·2	72	− 1	16·9	11·7	0·0	...	5·5	3·0
29	1012·0	− 2·3	25·2	16·7	8·5	20·4	+ 0·2	2·9	15·2	0·0	72	− 1	17·1	12·6	0·0	...	4·8	4·1
30	1014·5	+ 0·2	25·9	14·0	11·9	20·0	− 0·3	3·1	14·5	− 0·8	71	− 2	16·4	10·9	0·4	20	4·5	4·1
31	1015·8	+ 1·5	24·0	14·2	9·8	19·6	− 0·7	4·3	11·8	− 3·5	61	− 12	13·7	12·0	0·0	..	6·3	6·9
Mean	1013·8	− 0·3	24·3	14·7	9·6	19·3	− 0·7	3·2	13·5	− 1·7	69·3	− 4·8	15·4	11·7	Sum 14·2	Sum 288	4·4	4·8
Aver.	1014·1	...	23·9	16·5	7·4	20·0	...	2·7	15·2	...	74·1	...	17·1	13·2	62·5	1342	4·0	5·2
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF AUGUST 1936.

Pressure was very variable during the month and consisted of an irregular succession of positive and negative pulses, but without any marked correlated fluctuations in the other elements.

Temperature kept markedly below normal during the first fifteen days and oscillated with but slight fluctuations about the normal for the rest of the month.

Humidity and Rainfall were considerably below normal, the defect in the latter during this month—77%—being the greatest recorded during the year.

Also, of the small amount of rain recorded, 63% fell in one day thereby accentuating the scarcity of precipitation.

Wind Velocity was also markedly in defect, except for the short period 22nd to 25th when almost the totality of the rainfall was recorded.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1936

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather: 0h.	3h.	6h.	9h.	12h.	15h.	18h.	21h.	24h
AUGUST	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.									
1	9·2	82	3·2	− 0·5	25·2	24·0	22·1	21·5		bc	:	b	:	bc		b	.
2	2·7	24	1·7	− 2·0	25·2	23·9	22·1	21·6				bc			:	b	.
3	10·7	96	1·9	− 1·8	25·1	24·0	22·1	21·0	b	: bd$_0$	:			b			.
4	4·0	36	2·2	− 1·5	25·1	23·9	22·0	21·3	bc	:	o		c		bc	: b	.
5	5·8	52	1·5	− 2·2	25·1	23·9	22·0	21·1		b		bc	:	cg	: cd	: c	.
6	10·6	95	2·2	− 1·5	25·0	23·8	21·9	20·9	bc	:	b$_0$	. b	:	bc		: b	.
7	10·8	96	2·3	− 1·4	25·1	23·8	21·8	20·8		b	: b$_0$	:	b	:	bc	: b	.
8	10·5	93	2·3	− 1·5	25·0	23·8	21·8	21·3		b		: b$_0$	: b	: bc	:	c	.
9	2·5	22	1·7	− 2·1	25·0	23·8	21·9	21·6		bc		:	cg		: bc	: b$_0$	.
10	10·9	96	2·2	− 1·7	25·0	23·8	21·9	21·2		b$_0$		: b	: bc	: b	:	b$_0$	.
11	6·0	53	2·9	− 1·9	24·9	23·8	21·9	21·2		b		: cg	:	bcq	: b	: b$_0$	.
12	4·5	40	2·4	− 1·4	24·9	23·7	21·9	21·3	b	: bcd$_0$	:	cg		: bc	: c	: bc	.
13	8·7	77	3·1	− 0·7	24·9	23·7	21·9	21·2		b	: bc	: cq$_0$ d$_0$	: bcq$_0$	: bc	:	b$_0$	.
14	7·7	68	3·4	− 0·4	24·9	23·7	21·8	21·2		b	: bc	: bcq$_0$	:	bc	: cd$_0$	: bc	.
15	4·8	42	4·2	+ 0·4	24·9	23·7	21·8	21·4		cd$_0$	:		bc		:	b$_0$	.
16	9·6	84	2·9	− 1·0	24·9	23·7	21·9	21·5		b$_0$		b	:		bc		.
17	8·1	71	3·2	− 0·7	24·7	23·6	21·8	21·4			c			: bc	:	c	.
18	3·4	30	3·0	− 0·9	24·7	23·6	21·8	21·5	o	: c	: bc	: o	: oq$_0$m	: c	:	o	.
19	0·2	2	2.3	− 1·6	24·7	23·6	21·8	21·7			o			:	og	: c	.
20	0·0	0	2·2	− 1·7	24·7	23·6	22·0	21·6			o		: ogq$_0$	: c	:	bc	.
21	8·3	72	3·4	− 0·6	24·7	23·6	21·9	21·3		bc	: cd$_0$	: bc	: bcq	bc	:	b	.
22	7·3	63	4·7	+ 0·7	24·7	23·6	21·9	21·5		b	: bq$_0$ d$_0$	: cq	: cqd$_0$	: bcq	:	b	.
23	7·3	63	6·1	+ 2·1	24·7	23·5	21·9	21·5	b	: bcd$_0$	:	bcQd$_0$	: cgq	:	cr$_0$r$_0$	: bc	.
24	10·1	88	5·5	+ 1·4	24·7	23·5	21·9	21·5	b	: bcd$_0$	:	bcq		: bcd$_0$	:	bc	.
25	7·4	64	4·1	0·0	24·7	23·5	21·9	21·8		cr$_0$r$_0$		: c	:	bc	:	b	.
26	9·6	83	3·0	− 1·1	24·7	23·5	22·0	21.8	b$_0$	: b	:		bc		:	b	.
27	11·0	95	2·8	− 1·3	24·7	23·5	22·1	22·0		b		:	bc	:	b		.
28	9·1	78	3·1	− 1.0	24·6	23·5	22·1	22·0		b		:	bc	:	b	: b$_0$	.
29	6·0	52	2·6	− 1·5	24·6	23·5	22·2	22·1	b	:				bc			.
30	10·8	93	4·0	− 0·1	24·7	23.5	22·2	22·0	bc	:	b	:	bc		: bcd$_0$	: bc	,
31	5·0	43	4·4	+ 0·3	24·7	23·5	22·2	22·1	b	:		bc		: c	:	o	.
Mean	7·18	63·0	3·01	−0·88	24·85	23·68	21.95	21·48				.....					
Average	7·57	66·6	3·89	...	24·87	28·81	22·67	21.91				.....					
Column	19	20	21	22	23	24	25	26				.....					

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF AUGUST 1936.

	Heigh		Date	Lowest		Date
Atmospheric Pressure	1017.6 mbs.	at 21 & 22 hrs.	on 12th	1007·3mbs.	at 16·00hrs. ...	on 4th
Temperature of the Air	25·9 °C	at 13·50 hrs.	on 30th	11·1°C	at 06·20hrs. ...	on 10th
Daily range of temperature of the Air ...	14·0 °C	... ...	on 10th	5·9°C	... ...	on 23rd
Temperature of the Dew Point	18·4 °C	at 9.00 hrs.	on 25th	9·1°C	... ...	often
Daily range of temperature of the Dew Point	6·6 °C	... ...	on 5th & 11th	2·0°C	... ...	on 29th
Minimum on Grass	...	... ...	...	7·20C	.. ...	on 5th & 10th
Relative humidity	90·0 %	at 08.00 hrs.	on 25th	42·5%	at 11·00hrs. ...	on 31st
Vapour Pressure	21.0 mbs.	at 09.00 hrs.	on 25th	11·5mbs.	... ...	often
Evaporation in 24 hours	6·3 mms.	... ...	on 31st	2·2mms.	... ...	on 20th
Wind Velocity	10·0 m.p.s.	at 11.00 hrs.	on 23rd	0·6m p.s.	... ..	often
Rainfall in 24 hours	9.2 mms	ending 9 hrs.	on 25th	..	... ...	.....
Duration of sunshine	11·0 hrs.	... ...	on 27th	0.0hr.	... ...	on 20th

Mean Day Temperature of Air, 21·59°C ... Average 21·78°C. Mean Night Temperature of Air 17·05°C. Average 18·05°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	11	14	6	...	10	1	1	...	...	...	...

TABLE VIII.—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 55·2 metres above mean sea-level.)

AUGUST 1936.

The initial 10 or 9 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	140	138	130	106	097	110	130	135	126	136	155	158	173	170	155	140	Midnight
1h	138	136	130	107	093	108	129	132	125	136	151	157	171	168	151	137	1h
2	133	131	129	103	092	102	126	129	121	132	149	155	168	161	143	133	2
3	130	129	122	099	091	100	122	126	120	131	143	152	163	159	140	130	3
4	130	126	119	092	090	098	121	126	119	130	142	151	161	154	140	131	4
5	131	124	119	090	090	098	121	125	119	129	142	153	162	151	140	131	5
6	135	128	120	090	093	102	123	128	120	130	147	159	167	153	140	132	6
7	140	131	120	093	099	109	129	130	123	136	150	163	170	159	141	139	7
8	142	132	120	100	101	113	130	132	126	143	155	168	171	161	146	142	8
9	149	136	120	101	102	118	131	136	127	148	160	171	171	163	150	145	9
10	149	137	119	101	101	120	131	134	129	151	160	172	171	163	151	146	10
11	144	133	114	098	099	117	127	129	123	148	159	170	170	161	146	144	11
Noon	138	130	110	097	093	111	121	120	118	140	151	161	161	157	138	136	Noon
13h	129	126	102	087	090	104	116	111	116	136	141	158	152	151	132	132	13h
14	122	122	098	081	084	101	111	108	114	133	135	152	149	142	128	128	14
15	121	116	092	074	082	101	109	105	112	131	131	150	145	140	123	123	15
16	121	118	091	073	082	102	110	108	114	131	133	151	146	140	123	121	16
17	125	120	094	078	085	106	113	110	118	136	137	153	150	141	128	123	17
18	125	123	098	082	190	110	119	114	120	140	141	159	159	149	131	130	18
19	126	127	105	089	094	118	124	121	126	146	147	164	160	151	133	139	19
20	131	131	109	093	103	125	130	127	130	152	153	173	168	156	140	142	20
21	138	133	110	095	107	129	134	129	133	155	160	176	170	160	145	150	21
22	140	133	109	099	109	130	136	129	138	157	160	176	171	160	142	151	22
23	140	131	110	100	110	130	135	128	138	155	159	175	171	157	140	151	23

The initial 10 or 9 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	148	155	136	140	164	159	169	169	167	169	154	140	130	141	162	1014·5	Midnight
1h	145	151	133	140	161	152	158	168	166	162	150	135	120	138	160	1014·2	1h
2	144	149	131	138	160	150	152	161	162	160	146	131	122	136	158	1013·9	2
3	142	141	128	134	155	146	149	160	160	158	143	130	118	135	154	1013·6	3
4	141	139	124	132	154	143	146	156	157	153	141	127	113	134	152	1013·4	4
5	140	131	121	133	156	143	145	155	158	158	141	123	113	136	152	1013·3	5
6	141	135	123	139	159	147	147	156	160	161	148	129	119	139	159	1013·6	6
7	149	140	130	145	161	151	151	159	168	163	151	131	121	141	162	1014·1	7
8	150	145	135	149	166	154	156	163	169	164	155	133	125	147	164	1014·4	8
9	151	150	139	152	167	158	160	168	171	166	157	137	128	151	171	1014·7	9
10	154	151	140	155	164	159	161	169	170	165	156	137	126	152	172	1014·7	10
11	151	153	136	155	160	154	159	164	168	161	150	133	121	150	167	1014·4	11
Noon	143	143	129	151	151	149	154	160	161	151	141	124	115	144	159	1013·7	Noon
13h	139	135	126	155	147	143	151	157	155	147	130	119	110	139	152	1013·2	13h
14	130	129	121	140	140	140	150	156	151	140	124	111	102	133	149	1012·7	14
15	127	122	114	140	137	135	146	151	150	139	120	109	101	132	143	1012·3	15
16	128	123	116	141	137	136	147	150	149	136	122	111	102	134	144	1012·4	16
17	125	127	120	145	140	141	150	152	151	141	127	117	109	140	148	1012·7	17
18	140	127	123	150	142	145	152	154	151	147	131	120	114	148	150	1013·2	18
19	145	129	130	153	149	147	158	159	158	152	139	123	120	151	152	1013·7	19
20	151	131	138	160	156	151	166	163	162	156	142	130	130	160	162	1014·3	20
21	154	139	140	165	159	159	170	170	166	157	141	132	136	163	166	1014·6	21
22	156	139	141	165	160	160	170	170	166	155	143	131	137	163	167	1014·7	22
23	155	138	140	165	161	161	170	169	166	155	143	131	140	163	169	1014·7	23

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

Hour \ Day.	AUGUST 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	6	3	1	3	1	6	0	1	7	0	0	0	5	0	6	0	4	9	10	10	5	1	4	4	7	0	1	1	0	4	4	3·3
1h	5	5	2	3	1	5	0	1	6	0	1	0	4	0	8	0	7	9	10	10	6	1	2	3	9	0	1	1	0	4	3	3·5
2	5	7	1	5	1	3	0	1	7	0	1	0	3	1	6	0	9	10	10	10	4	1	3	2	10	0	2	2	1	3	3	3·6
3	4	8	1	10	1	0	1	1	1	0	1	2	3	2	7	0	9	10	10	10	4	1	3	2	8	0	2	2	3	3	3	3·6
4	5	9	1	10	1	0	1	1	3	0	0	2	3	2	8	0	8	10	10	10	3	1	4	1	9	0	2	2	3	1	3	3·7
5	4	5	2	10	1	0	1	1	5	0	1	1	2	2	8	0	6	9	9	10	8	2	8	2	10	1	2	2	4	1	5	3·9
6	3	7	1	10	1	1	1	2	3	0	1	9	2	1	8	0	8	4	9	10	9	3	7	8	5	1	2	1	7	1	8	4·3
7	3	6	0	10	1	0	0	1	4	0	1	8	3	6	7	1	8	6	9	20	9	3	6	5	8	3	2	1	5	2	6	4·3
8	3	6	0	10	0	0	0	1	6	0	1	8	5	9	6	1	8	8	9	10	8	3	5	4	9	4	3	1	5	3	4	4·5
9	3	7	0	10	1	0	0	0	6	0	5	9	5	7	4	2	8	9	9	10	8	4	4	1	10	4	3	3	5	5	8	4·8
10	3	8	0	8	4	1	0	0	9	1	7	8	9	4	5	2	8	10	9	10	5	8	5	3	10	6	4	4	6	4	7	5·4
11	2	8	0	9	7	3	1	0	9	1	9	8	7	6	4	3	8	10	9	10	3	8	5	7	8	6	6	9	7	4	6	5·9
Noon	2	7	0	9	8	2	3	0	9	3	9	7	7	7	5	3	7	10	10	10	3	8	6	7	9	7	6	7	7	4	6	6·1
13h	4	7	0	9	8	2	3	1	9	4	8	9	5	8	5	4	8	10	9	9	2	10	9	6	8	7	6	7	8	4	7	6·3
14	4	7	1	9	8	4	3	1	9	4	6	9	4	6	5	5	8	9	9	9	3	10	9	8	6	6	4	7	5	3	7	6·1
15	4	7	1	8	9	4	4	1	10	3	6	8	3	3	6	6	7	10	9	9	4	6	8	7	6	8	3	4	5	3	8	5·8
16	6	7	4	7	9	4	4	4	10	3	7	7	4	5	6	5	7	8	10	9	5	7	8	8	6	6	2	6	4	5	8	6·2
17	8	7	3	4	9	4	3	7	10	1	8	7	7	7	6	4	7	9	10	9	5	8	8	7	6	5	2	4	3	7	9	6·3
18	3	5	3	4	9	5	6	8	10	1	4	4	5	9	7	3	7	9	10	9	5	8	8	4	6	3	2	3	2	9	10	5·8
19	2	3	2	3	10	3	10	9	5	1	2	7	2	7	1	3	10	10	10	9	2	4	3	6	4	2	4	2	2	7	10	5·0
20	3	3	1	2	10	2	3	8	0	0	0	8	0	9	0	3	10	10	10	5	0	3	10	7	2	1	2	2	2	7	10	4·3
21	3	2	1	1	9	2	1	10	0	0	0	8	0	9	0	4	9	10	9	7	2	1	7	8	2	1	1	1	4	6	10	4·1
22	3	2	2	1	8	1	1	10	0	0	0	7	0	7	0	6	9	10	9	7	2	1	5	6	2	1	1	2	5	4	10	3·9
23	2	1	2	1	8	1	1	8	0	0	0	6	0	6	0	7	8	10	8	6	3	1	4	6	2	0	1	0	4	4	10	3·6

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

Hour Ending. \ Day.	AUGUST 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	46	9	28	0	24	29	29	30	13	27	21	24	23	0	0	25	32	35	0	0	0	12	13	26	0	24	29	33	2	38	0	9·5
8	60	60	60	0	60	60	60	60	44	60	60	57	60	3	20	60	59	42	0	0	0	41	55	53	23	59	60	60	41	60	27	22·7
9	60	19	60	4	60	60	60	60	34	60	56	7	60	60	56	60	42	3	0	0	0	38	60	60	5	46	60	58	60	54	0	21·1
10	60	50	60	10	47	60	60	60	13	60	19	12	48	60	34	60	54	0	12	0	58	60	58	60	37	60	60	58	52	57	46	23.1
11	60	4	60	15	17	60	60	60	12	60	4	50	6	55	33	60	27	25	0	0	60	42	60	60	55	60	60	14	35	60	59	20.5
Noon	60	5	60	1	23	60	60	60	30	60	20	38	40	60	60	60	43	12	0	0	60	25	45	60	48	60	60	57	0	60	50	21·3
13h	60	3	60	20	13	60	60	60	4	60	32	18	59	13	30	60	40	35	0	0	60	11	40	60	50	60	60	48	10	60	56	20·0
14	31	0	60	17	1	60	60	60	0	60	50	10	60	55	0	52	45	12	0	0	60	40	12	60	58	60	60	55	12	60	27	19·0
15	57	4	60	40	0	60	60	60	0	60	57	11	60	60	0	40	44	14	0	0	60	60	30	59	60	58	60	50	43	60	19	20·7
16	55	6	60	52	45	60	60	60	0	60	7	28	58	60	0	53	51	15	0	0	60	44	20	50	55	40	60	52	47	60	14	20·5
17	6	0	58	60	55	60	60	55	0	60	35	18	47	36	32	45	47	12	0	0	60	38	25	55	36	43	60	38	54	54	0	19·2
18	0	0	15	18	3	6	20	5	0	27	0	0	0	2	21	1	0	0	0	0	20	25	20	6	16	7	33	25	3	27	0	5·0
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total Amount of Registered Sunshine was 222.6 hrs. and the total possible sunshine was 353·3 hrs.

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

(*To obtain temperatures on the Absolute Scale add* 273)

AUGUST 1936.

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
Midnight	14·8	1·6	17·8	3·5	15·7	1·6	14·6	1·4	14·2	1·9	14·1	1·3	14·5	1·5	15·6	1·9	Midnight
1h	15·2	1·6	17·2	2·4	15·5	1·7	15·3	1·2	13·6	1·8	13·8	1·6	14·0	1·3	14·9	1·8	1h
2	16·7	1·4	16·3	2·2	14·0	1·3	17·4	1·9	12·7	1.7	12·9	1·2	13·7	1·4	15·3	1.3	2
3	17·1	1·3	16 9	1·7	13·1	1·2	18·0	2·4	12·7	1·8	12·7	1·3	13.3	1·3	16·0	1·2	3
4	17·0	1·5	15·2	1·2	12·9	1.1	17·8	2·2	12·0	1·4	12·1	1·1	12.9	1·2	15·8	1·5	4
5	17·0	2·0	16·1	1·9	12·4	1·2	17·2	2·4	12·1	1.5	12·0	1·3	12·6	1·1	15·5	1.5	5
6	16·8	2·5	14·9	1·8	12·3	1·2	18·0	3·2	12·2	1·4	11·9	1·4	12·3	1·0	14·1	1·3	6
7	16·9	2·5	15·1	1·2	12·7	1·3	18·1	3·0	12·3	1·3	11·9	1·2	12·2	1·1	14·3	1·4	7
8	18·8	3·7	18·0	2·0	16·2	1·2	18·9	3·1	16·8	1·7	15·4	1·4	16·5	1·7	18·3	2·2	8
9	20·9	5·4	19·6	3·0	20·7	4·4	19·7	3·6	20.0	3·4	19·4	2·7	20·1	3.8	21·4	6·2	9
10	21·0	5·8	21·0	3·4	22·2	5·3	21·0	4·5	21·1	4·7	21·1	4.4	21·9	5·1	23·0	6·9	10
11	21·9	6·1	21·1	4·0	23·2	5·9	21·0	4·4	21·8	5·1	23·0	5·4	23·2	5·2	23·8	7 0	11
Noon	22·2	6·1	21·5	4·2	24·1	6 5	20·0	3·0	22·4	4·8	23.4	5·6	24·2	5·3	24·5	7·8	Noon
13h	22·3	6·3	21·9	4·7	24·3	6·6	22·3	4·5	21·9	4·7	24·0	6·0	24·1	5·9	25·0	6.8	13h
14	22·6	6·4	21·4	4·3	24·0	6·3	22·2	5·3	22·1	4·9	23·8	6·0	24·0	5·9	24·8	6·7	14
15	21·8	5·8	22·1	5·4	23·7	6.2	24·1	6·9	20·7	3·2	23 6	5·8	23·4	5·3	24·7	6·4	15
16	20·9	4·8	21·8	4·6	23·1	6·3	23·0	6·3	20·1	3·0	22·9	5.6	23·1	5·0	24·1	6·0	16
17	19·8	3·8	21.1	3·3	22·1	5·4	21·3	5·7	20·9	3·7	22·0	4·8	22·5	4·4	23·3	5·3	17
18	18·5	3·3	20·0	2·8	20·8	4·1	19·8	4·8	19·9	2·9	20·1	3.1	20·9	4·6	22·0	4·3	18
19	17·0	2·2	17·6	2·0	18·3	2·5	18·8	3·9	18·9	2·0	18·1	2·1	19·9	3·7	21·0	3·9	19
20	16·8	2·0	16·2	1·3	16·3	2·1	17·0	3·0	18·9	1·6	16·6	1·8	19·3	2·9	20·3	3·1	20
21	16·5	2·1	15·2	1·4	15·2	1·3	18·0	3·7	18·0	1·3	16·0	1·8	18·0	2·2	20·1	3·0	21
22	18·0	3·2	14.7	1·5	14·8	1·5	17·6	3·3	16·7	1·3	16·2	2·2	18·1	2·0	19·8	2·7	22
23	17·5	2·3	14·0	1·2	14·6	1·4	15·1	2·1	15·1	1·3	16·3	2.3	16·0	1.7	19.1	2·6	23

Day. / Hour.	9d. Air.	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air	16d. Excess of Air over Evap.	Day. / Hour.
Midnight	18·6	2·6	12·7	1·5	13·3	1·5	14·1	1·1	15·2	1·7	14·2	2·0	19·8	2·4	17·4	2·3	Midnight
1h	18·7	2·7	12.2	1·3	13·1	1.4	14·0	1·0	14·8	1·7	14·1	2·0	19·1	1·4	17·0	2·0	1h
2	17·7	2·4	12·5	1·2	13·1	1·3	14·1	1·1	14·2	1·6	16·0	2·0	18·6	1·2	16·5	2·2	2
3	17·0	2·3	12·1	1·2	12·6	1·5	14·3	1·2	13·6	1·7	16·1	2·0	18·5	1·3	16·7	2·6	3
4	16·0	1·9	11·7	1·1	12·1	1·1	14 6	1·2	13·2	1·3	16·0	2·3	18·6	1·2	15·2	1·6	4
5	15·9	1·7	11·9	1·1	12·2	1·0	15·7	1·4	13·5	1·4	16·7	2·8	17·9	1·1	13·9	1·5	5
6	15·2	1·2	11·7	1·1	12·8	1·1	17·7	1.7	14·0	1·6	15·9	2·9	17·7	1·1	12·9	1·3	6
7	16·1	1·6	11·4	1·0	12·3	1·0	17·8	1·6	15·7	1·7	14·0	2·0	18·3	1·6	12·7	1·4	7
8	20·0	3·0	16·8	1·5	17·6	1·4	20·3	2·1	19·9	2·9	17·5	2·5	20·2	3·0	18.7	2·9	8
9	21·3	4·4	20·6	4·4	21·2	3·5	21·9	3·3	22·0	4·3	21·6	4·9	21·9	4·1	21·2	5·1	9
10	22·6	5·1	22·1	5·9	21·6	3·6	22·3	3·7	22·7	4·9	22·6	5·5	21·7	4 2	22·6	5·4	10
11	23·2	5·4	23·1	6 7	20.3	2·3	23·8	5·3	21·0	3·7	23·0	5·7	22·0	4·1	23·5	6·5	11
Noon	25·0	6·0	24·0	6·4	22·5	3·8	24·0	5·0	22·6	5.4	23·0	5·3	23·1	4·9	23·9	6·9	Noon
13h	24·0	5·7	24·5	6·7	22·9	4·9	23·5	5·4	23·2	6·4	22·9	5.2	23·1	5·3	23·9	6·9	13h
14	23·1	4·9	24.0	5·4	23.8	5·7	23·2	5·2	23·5	7.1	24·0	6·2	23·1	5·2	24·0	6·9	14
15	22·1	4·5	24·0	5·3	23·7	5·8	22·9	4·3	22·8	5·8	23·2	5·3	22·7	4·8	23·0	5·8	15
16	21·6	4·5	23·6	5·4	22·7	4.9	23·1	5·3	22·3	5·7	22·8	4·8	22.0	4·3	22·8	5·9	16
17	21·1	4·1	22·4	4·6	22·3	4·5	22·0	4·6	21·2	4·4	21·2	3·6	21·4	4·3	21·5	4·8	17
18	20·2	3·3	21·0	3·8	20·0	2·6	20·4	3·0	20·2	4·0	20·6	3·3	20·1	3·1	19·7	3·7	18
19	19·2	2·5	18.3	2·7	18·2	2·1	19·5	2·4	18·8	3·3	19·2	1·5	19·1	2·6	18·0	2·7	19
20	17·7	2·4	16·7	2·6	16·1	1·8	19·5	2·4	17·6	2·9	19·5	1·7	19·0	2·8	17.0	2·0	20
21	16·2	2·0	15·8	2·0	15·4	1·3	19·3	2·3	16·4	2·7	19·6	2·2	18·7	2·6	17·0	2·4	21
22	15·4	1·8	14·8	1·8	14·8	1·0	18·3	2·1	15·9	2·4	19·7	2·5	18·2	2·3	16·1	2·1	22
23	14·1	1·8	13·8	1·6	14·6	1·2	16·6	1·8	14·7	1·8	19·4	2·4	18·0	2·4	16·8	1·8	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

AUGUST 1936.

Day. / Hour.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
Midnight	17·2	2·0	19·1	3·5	19·2	2·2	19·0	2·7	15·0	1·9	18·1	2·0	19·0	2·7	18·7	1·9	Midnight
1h	16·1	1·8	18·9	3·3	19·0	2·5	19·1	3·3	14·8	1·7	17·7	1·7	18·9	2·2	18·6	1·7	1
2	15·7	1·7	19·0	3·6	18·9	2·1	19·0	3·3	15·1	1·4	17·2	1·3	19·0	2·0	18·8	1·9	2
3	17·7	1·6	19·0	3·6	18·7	1·6	19·0	2·9	15·2	1·5	17·7	1·7	18·6	1·6	19·0	2·0	3
4	18·0	2·7	18·6	3·8	18·9	1·9	18·9	2·9	14·1	1·4	17·1	1·2	18·8	1·7	18·6	1·6	4
5	17·5	2·2	17·4	3·6	18·7	1·6	17·9	2·7	14·3	1·4	17·0	1·1	19·1	1·4	18·8	1·7	5
6	17·6	1·9	17·0	3·7	18·7	2·8	18·1	2·6	17·1	2·9	17·6	1·4	19·1	1·8	18·8	1·6	6
7	17·3	2·0	17·0	3·3	18·9	2·6	18·3	3·3	17·0	1·6	18·6	1·3	18·2	1·2	19·3	2·2	7
8	20·0	3·9	20·3	5·3	20·0	3·2	19·6	3·8	19·0	2·5	19·8	2·2	19·9	2·0	20·8	2·8	8
9	21·9	5·7	21·7	5·0	21·8	4·8	20·6	5·3	21·0	4·0	21·1	3·2	21·9	3·6	22·1	4·5	9
10	22·2	6·0	21·3	4·4	22·8	5·8	21·7	5·7	22·9	5·9	23·0	5·0	22·0	3·9	23·2	5·2	10
11	22·0	5·3	21·9	4·8	22·1	4·7	21·1	4·9	23·6	6·4	23·3	4·7	23·1	5·0	23·8	5·4	11h
Noon	23·7	7·0	22·1	5·4	22·8	5·5	21·6	6·2	24·2	7·4	23·7	5·0	22·4	4·3	23·6	5·6	Noon
13h	23·3	7·2	22·0	4·8	22·1	5·1	22·3	6.5	24·0	7·0	21·9	3·9	23·1	5·2	23·9	5·1	13h
14	22·8	6·6	23·0	6·2	21·8	4·6	22·8	6·7	24·3	8·1	23·1	5·3	21·2	3·5	23·8	5·0	14
15	22·8	6·8	22·1	4·8	21·6	4·0	22·2	6·1	23·3	6·3	23·1	5·3	22·3	4·5	22·9	4·2	15
16	22·5	6·5	21·0	4·0	21·0	4·1	21·6	5·6	22.9	6·2	22·2	5·2	22·0	4·7	21·2	2·2	16
17	21.6	5·6	20·9	4·1	21·0	3·8	21·5	6·2	22·0	5·3	21·7	5·4	19·2	1.5	21·8	3·3	17
18	20·6	3·7	20·1	3·3	20·4	3·4	20·7	4·4	20·3	3·5	20·6	4·4	18·6	1·7	20·3	2·8	18
19	19·9	3·7	19·7	2·8	20·1	3·3	19·6	3·4	19·7	2·9	19·8	3·6	19·0	1·9	20·1	2·2	19
20	19·9	3·2	19·6	2·6	20·0	2·8	18·1	2·3	19.2	2·9	19·4	3·5	19·0	1·7	20·1	2·1	20
21	19·2	3·2	19·7	2·5	19·8	2·6	17·9	2·9	19·0	2·6	19·2	3·1	19·0	1·9	20·1	2·3	21
22	19·1	3·6	19·6	2·5	19·2	2·1	16·7	2·0	18·8	2·6	19·1	3·0	19·3	2·1	20·6	2·5	22
23	19·0	3·2	19·4	2·3	19·1	2·1	16·8	2·2	19·0	2·3	19·0	2·8	19·1	1·4	20·8	2·9	23

Day. / Hour.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour.
Midnight	20·6	2·6	18·2	1·3	19·0	1·0	16·2	1·4	17·1	0·9	18·4	1·6	18·0	2·1	16·8	2·0	Midnight
1h	20·0	2·0	17·1	1·2	19·0	1·1	16·1	1·1	17·0	1.0	17·6	1·8	18·0	2·1	16·5	1·8	1
2	19·0	1·4	16·6	1·3	19.0	1·3	16·1	1·1	17·0	1·1	16·7	1·5	16.3	2·1	16·3	1·7	2
3	19.1	1·2	17·0	1·3	18·3	1·2	16·1	1·1	16·9	1·0	17·0	1·3	16·0	2·8	16·3	1·7	3
4	18·9	1·2	17·7	1.5	17·7	1·4	16·5	1·3	16·8	1·1	15·4	1·3	16·0	2·9	16·0	1·7	4
5	19·0	0·9	17·3	1·1	16·2	1·0	17·3	1·5	17·6	1·4	14·6	1·3	16·1	2·4	15·9	1·7	5
6	18·7	1·2	17·5	1·0	15·8	1·2	17·5	1·3	17·0	1·2	14·2	1·2	17·1	2·0	15.9	1·8	6
7	18·9	1·2	18·8	1·1	15·6	1·0	18·2	1·5	18·1	1·1	16·8	1·3	18·3	2·3	16·2	1·7	7
8	19·8	0·9	21·0	2·0	19·9	1·9	20.7	2·3	20·7	2·6	21·0	2·9	19.9	3·9	19·1	2·5	8
9	20·2	1·0	22·8	3·8	22·0	3·8	22·1	3·6	22·6	4·4	22·0	4·2	20·0	5·5	21·2	4·1	9
10	22·0	2·8	23·2	4·2	22·2	4.2	23·9	4·7	23·2	5·0	24·1	5·3	22·0	6·7	22·3	5·0	10
11	23·1	3·9	23·8	4·4	23·9	5·8	23·5	4·7	24·0	5·4	23·8	5.6	23·1	7·7	22·7	5·2	11
Noon	23·1	4·1	24·4	4·7	24·1	6·1	24·1	5·7	23·1	4·5	24·9	6·1	23·0	6·7	23·3	5·6	Noon
13h	23·9	4·8	25·6	5·6	24·0	6·2	24·9	6·4	23·9	5·4	25·0	6·4	23·3	7·2	23·4	5·7	13h
14	23·6	4·6	24·7	5·4	24·1	6·1	24·0	5·6	25·0	6·2	25·0	6·2	22·3	6·3	23·4	5·8	14
15	24.0	5·0	23·9	4·0	24·0	6·3	23·9	5·4	24·4	5·8	24·4	5·8	22·0	6·0	23·1	5·4	15
16	23·1	4·3	23·2	3·9	23·0	5·9	23·2	5·0	23·3	5·0	23·5	5·5	21·1	5·3	22·4	5·0	16
17	22·1	3·9	22·7	3·4	22·0	5·0	22·0	2·0	22·5	4·0	21·9	3·9	20·7	5·0	21·6	4·4	17
18	21·1	2·7	21·1	2·4	20·3	3.1	20·5	2·6	21.0	2·8	20·2	2·2	20·0	4·8	20.3	3·3	18
19	19·9	1·9	20·2	1·3	18·9	2·4	20·0	2·2	20·1	2·1	19·6	2.2	19·8	3·9	19·2	2·6	19
20	19·1	1·5	19·9	1.6	17·9	1·9	19·8	2·0	19·5	1·7	19·0	1·4	18·7	2·7	18·5	2·3	20
21	19·0	1·7	19·6	1.5	17·0	1·3	19·7	2·0	20·1	2·1	18·8	1·9	19·1	3·9	18·1	2·2	21
22	18·8	1·7	19·2	1·2	16·9	1·6	19·2	1·9	19·6	2.3	18·8	2·4	19·1	4·3	17·8	2·2	22
23	18·5	1·6	19·1	1·1	16·1	1·4	18·0	0·8	19·1	1·9	18·8	2·8	19·1	4·1	17·3	2·0	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during AUGUST 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

AUGUST 1936.

Hour \ Day	1d.		2d.		3d. *		4d. *		5d. *		6d. *		7d. *		8d. *		9d. *		10d. *		11d. *		12d.		13d.		14d.		15d.		16d.	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	13	1·2	12	1·2	12	2·9	15	1·8	16	1·1	11	2·6	28	2·2	12	1·8	12	1·8	11	1·5	28	1·9	11	1·8	14	1·0	11	2·1	12	3·0	11	2·2
1h	13	1·9	12	0·7	12	1·7	15	0·6	13	0·9	11	2·3	28	2·3	12	1·9	12	1·7	11	2·0	28	2·0	11	1·8	13	1·2	11	1·2	12	3·0	11	1·9
2	13	1·7	12	1·4	12	1·1	15	1·7	13	1·1	11	2·0	28	2·3	12	2·2	12	1·4	12	1·7	28	1·8	11	1·2	13	1·1	11	1·9	10	3·6	11	2·3
3	11	2·2	08	0·7	12	1·5	16	1·4	09	1·2	12	2·6	28	2·0	12	2·2	12	1·8	12	1·4	28	0·9	11	0·6	13	0·8	12	1·8	11	3·5	12	2·2
4	11	2·4	11	1·9	12	1·9	16	1·0	10	1·2	12	2·4	28	2·7	12	2·1	12	1·8	09	1·3	28	1·4	11	0·7	13	1·1	12	1·2	10	3·7	13	2·0
5	11	3·1	14	1·9	12	2·0	16	1·3	10	0·9	12	2·8	28	2·7	12	2·0	12	2·0	12	1·8	28	1·5	11	1·5	11	1·8	13	2·3	11	3·0	13	1·2
6	11	3·1	14	0·8	12	1·7	15	2·1	10	0·9	12	2·3	28	2·2	12	1·8	12	1·8	12	1·1	28	1·6	14	2·6	11	2·0	14	1·8	11	2·3	13	1·0
7	11	2·9	15	1·5	12	1·7	15	1·2	13	1·9	12	2·9	28	1·9	12	2·2	12	2·2	11	0·6	28	1·5	12	1·4	11	2·2	14	1·2	12	3·0	13	1·4
8	11	3·4	16	1·0	12	1·8	15	1·2	14	0·7	12	1·1	28	1·4	12	2·0	12	1·5	11	0·6	28	0·9	12	1·8	10	3·3	14	1·5	12	3·8	13	2·0
9	11	5·4	13	1·6	12	0·9	15	3·7	14	1·1	11	0·7	28	1·1	13	2·9	11	2·2	12	1·8	d11	1·8	10	3·1	11	4·3	12	4·8	12	5·5	12	5·0
10	10	6·1	07	2·7	d24	1·2	14	3·8	14	1·6	d31	1·1	28	1·5	12	3·1	07	1·7	11	2·2	12	3·0	10	4·1	11	4·9	10	5·9	11	5·0	12	5·2
11	11	5·3	10	3·3	25	1·9	16	3·0	15	2·7	29	2·1	25	1·9	11	2·2	08	1·5	10	2·3	09	2·0	10	4·4	12	4·4	12	5·5	12	6·3	11	4·8
Noon	11	5·5	12	3·0	27	2·3	16	3·2	d24	2·1	26	2·5	26	2·0	13	2·2	r25	3·3	16	2·6	08	2·9	11	4·2	12	5·5	11	6·1	12	6·5	11	4·9
13h	09	4·3	09	3·2	24	2·9	19	1·8	22	2·4	28	3·0	22	4·0	d24	2·5	d02	2·5	d24	3·7	09	3·5	11	3·8	12	5·7	12	5·2	11	7·0	11	5·1
14	10	4·4	09	2·3	26	3·1	16	1·3	22	2·5	25	3·5	24	3·7	28	2·9	r26	2·2	22	4·3	07	3·3	12	4·0	12	5·4	10	5·8	10	6·1	12	4·7
15	11	4·6	09	2·2	28	2·7	21	3·9	d03	3·3	28	3·0	23	3·8	27	2·9	24	1·1	26	3·4	08	3·8	13	3·8	10	6·0	12	6·1	12	6·0	12	4·5
16	11	4·2	13	1·1	25	2·5	16	4·0	07	2·4	27	2·9	25	3·7	27	2·5	r10	2·0	26	2·9	11	1·9	13	4·0	11	5·2	11	5·3	11	5·6	12	4·1
17	10	3·9	13	0·7	23	2·5	16	4·2	07	2·0	26	2·0	22	2·6	25	3·8	11	1·3	28	2·0	11	1·5	13	3·2	10	4·8	12	4·4	10	5·0	11	4·4
18	11	3·1	13	0·7	21	2·0	17	3·7	07	1·3	28	1·0	r05	2·2	32	2·6	11	1·2	28	0·9	11	0·7	12	2·1	11	3·5	12	3·9	11	3·2	11	2·3
19	11	2·1	13	1·5	21	1·4	17	2·0	10	1·2	28	1·2	12	1·4	d14	2·3	11	1·1	28	2·3	11	1·2	12	1·4	10	2·1	12	2·7	11	4·0	11	1·2
20	11	2·2	13	1·4	16	2·1	18	1·8	10	0·6	28	1·6	12	1·8	13	2·1	11	1·0	28	1·8	11	0·6	12	1·1	10	2·0	11	3·2	11	4·1	11	0·8
21	11	1·9	12	1·7	15	1·6	16	2·0	10	0·8	28	2·0	12	1·9	12	2·0	11	1·4	28	2·9	11	1·0	12	1·5	10	2·3	12	2·6	12	3·3	11	1·6
22	09	1·8	12	1·6	15	1·6	16	1·5	11	1·7	28	2·5	13	1·9	12	1·5	11	1·6	28	2·1	11	2·1	14	1·5	11	2·1	11	2·4	11	3·1	11	2·2
23	11	0·9	12	2·3	15	1·5	16	1·0	11	1·6	28	2·1	12	1·6	12	1·7	11	1·7	28	1·7	11	2·3	14	1·3	11	2·0	11	3·0	11	2·4	12	2·1

Hour \ Day	17d.		18d.		19d.		20d.		21d		22d.		23d.		24d.		25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	11	1·6	11	1·8	09	1·6	11	1·1	12	1·1	12	2·2	12	3·8	10	4·6	09	4·4	10	1·5	10	1·9	11	0·6	11	2·2	13	1·8	12	2·3	2.0
1h	11	1·0	11	2·0	09	1·3	11	1·4	12	1·2	12	2·8	11	2·8	11	3·9	09	3·8	10	1·4	10	1·6	12	1·1	11	1·8	13	1·2	12	1·9	1·8
2	11	1·7	12	1·9	11	1·3	11	1·2	12	1·2	12	1·7	11	4·5	09	4·3	11	3·1	10	1·5	11	2·1	12	0·7	11	1·4	13	2·6	12	1·8	1·9
3	12	1·6	12	1·4	11	0·6	12	0·6	12	1·2	12	2·9	12	3·6	10	4·8	11	3·1	10	2·5	11	1·8	12	0·6	11	1·4	13	2·0	12	1·6	1·8
4	14	1·5	12	2·0	06	1·3	12	1·1	12	1·9	12	2·4	11	3·5	10	3·7	11	3·7	11	2·1	11	1·7	12	1·2	11	1·6	13	0·7	12	1·4	1·9
5	13	2·0	12	1·8	06	1·1	12	1·2	12	1·8	11	1·7	09	5·2	09	4·6	07	4·2	11	1·8	11	1·5	12	1·2	12	2·4	13	0·6	11	2·9	2·1
6	13	1·4	12	2·9	09	2·1	12	1·2	12	2·1	11	2·7	09	5·8	09	5·0	10	3·7	11	2·1	11	1·7	12	1·3	12	2·5	13	0·6	11	2·0	2·1
7	13	1·1	12	2·1	11	2·7	12	1·2	14	1·2	11	3·3	10	6·4	08	6·4	08	3·3	11	2·0	11	1·9	12	1·5	10	1·5	13	1·4	11	2·9	2·2
8	11	1·5	12	2·1	12	1·8	12	0·6	14	1·9	10	3·9	11	6·7	09	6·2	09	4·0	10	3·3	11	1·4	11	3·2	11	3·1	12	3·1	12	6·6	2·5
9	08	4·9	11	3·2	11	3·9	12	0·8	09	3·3	10	6·1	11	8·7	07	7·0	08	3·8	09	4·0	10	3·4	11	3·7	11	2·3	12	5·3	11	6·6	3·6
10	10	5·5	09	5·6	10	3·8	11	3·1	09	6·1	11	6·5	09	9·2	08	7·3	08	5·3	09	4·3	10	4·3	10	4·3	11	2·9	12	5·0	10	7·6	4·3
11	09	5·9	10	4·4	11	3·0	11	4·4	12	4·9	09	6·3	08	10·0	09	7·9	08	5·6	09	4·4	09	4·9	10	4·9	11	2·4	12	6·1	12	6·3	4·4
Noon	12	5·8	08	4·5	08	3·4	10	4·4	10	7·1	10	6·9	09	9·2	09	7·4	09	5·8	08	4·7	12	5·4	09	4·8	10	3·3	11	6·9	12	7·8	4·7
13h	12	5·6	08	6·2	11	3·1	10	4·3	09	5·6	11	7·0	09	8·8	08	6·9	09	5·8	08	4·5	12	4·8	09	4·8	09	4·0	11	6·7	12	6·7	4·7
14	12	5·8	09	5·0	11	3·1	11	4·3	09	5·9	10	7·5	09	7·7	08	6·7	09	5·3	10	4·1	12	4·6	10	4·9	08	4·0	12	8·0	10	6·7	4·6
15	11	5·9	09	4·9	10	3·8	10	4·6	12	6·1	09	7·9	10	7·2	09	6·6	09	5·1	07	4·4	10	5·6	11	5·3	10	3·3	12	6·9	11	6·2	4·7
16	12	0·0	10	4·0	10	4·5	10	4·3	11	5·8	10	8·2	09	8·0	08	6·5	08	4·7	09	4·2	11	5·2	10	4·9	09	4·3	10	6·5	11	5·6	4·4
17	10	4·4	11	3·6	11	2·5	10	3·6	12	5·6	12	7·3	09	5·8	08	6·1	09	4·4	11	4·0	10	4·4	10	4·9	10	3·9	12	5·4	11	5·7	3·9
18	10	3·9	11	2·6	12	2·4	11	2·4	12	3·2	09	5·2	10	5·5	08	4·4	08	3·4	11	2·3	11	2·6	11	3·8	10	2·3	12	4·5	10	4·5	2·8
19	11	2·2	11	1·4	12	2·1	12	1·8	11	2·6	12	4·4	09	5·0	09	5·1	09	3·2	10	2·9	11	1·4	11	2·8	11	1·8	13	3·3	10	4·2	2·4
20	11	1·6	11	1·8	12	2·3	12	0·7	11	4·4	12	4·3	09	4·6	09	3·9	10	3·1	10	3·3	11	1·6	10	2·8	11	1·8	12	3·6	10	4·5	2·3
21	11	2·3	11	1·9	12	2·0	12	1·1	11	3·0	11	2·7	10	4·7	08	3·7	10	3·6	11	3·2	11	1·4	10	3·2	12	3·1	12	4·5	10	3·5	2·4
22	11	1·2	11	2·1	11	1·3	12	1·3	12	2·2	11	4·0	09	5·3	10	4·3	09	4·4	10	2·4	11	1·4	10	3·7	11	3·6	13	4·4	11	3·0	2·4
23	11	1·6	11	1·7	11	1·2	12	1·2	12	2·6	11	4·2	10	5·2	08	3·6	10	3·9	10	2·0	11	1·1	10	2·7	12	2·1	13	4·5	10	3·3	2·3

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), AUGUST 1936.

Hour	Force (0–12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	...	31	...	...	...	...	2	2	24	...	1	...	...	...	...	...	2	...
9	...	5	26	...	...	...	...	5	3	20	1	1	...	...	...	...	...	1	...
15	...	11	20	...	...	1	...	7	6	10	...	...	..	1	...	2	1	3	...
21	...	...	31	...	...	...	...	1	6	20	...	2	...	...	...	...	...	2	...
Totals	...			...	...	1	...	15	17	74	1	4	..	1	...	2	1	8	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for AUGUST 1936.

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

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION VACOAS FOR AUGUST 1936.

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
	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	mm	m
1h	...	...	...	3·3	...	...	...	...	...	...	...	...	...	.	0·5	...	...	...	...	...	..	...	...	0·1	0·1	...	...	...	...	..	
2	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	0·7	...	0·2	...	...	...	...	0·1	...	...	...	...	...	0·1	...	...	
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	...
4	0·2	...	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	0·1	...	0·3	...	...	0·3	...	...	...	..	...	...
5	0·4	0·1	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	0·6	..	...	...	...	0.3	0·8	...	...	...	...	...	...	...	...
6	...	0.2	...	...	...	...	...	...	0·1	...	0·1	...	...	...	0·2	...	...	...	...	...	0·4	0·7	1·6	0·2	...	...	...	...	0·1	...	0·4
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	0·5	1·5	2·7	...	0·3	...	...	...	...	...	...
8	...	...	...	...	0·2	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	0·4	1·8	1·4	0 4	...	...	...	...	...	...	0·4
9	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...	1·4	0·6	0·1	...	...	...	...	0·1	...	...
10	...	0·1	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	0·9	3·4	...	0·1	0·2	...	...	...	...	...
11	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	...	...	...	...	...	...	...	...
13h	...	...	..	...	...	...	..	...	..	...	...	...	...	...	...	..	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...
14	...	...	...	...	..	...	...	...	...	...	...	.	...	...	...	...	...	0·2	...	...	...	0·6	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	0·2	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·1	.
18	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...	...	...	...	..	1·4	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	0·6	0·1	...	...	...	...	...	0·8	...
20	...	...	...	...	...	...	...	..	...	...	...	...	...	0·6	..	...	...	0·1	...	...	...	...	...	0·2	...	...	...	...	...	0·8	0·1
21	...	..	...	...	...	...	...	...	...	..	...	.	...	0·5	...	...	...	...	...	...	...	...	0·4	0·1	...	...	...	0·1	0·3	0·8	...
22	...	...	...	...	..	...	...	...	...	...	..	...	...	...	...	...	...	...	..	...	0·3	...	...	0·2	...	...	...	...	...	0·2	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	0·4	...	...	...	...	...	0·1	0·1
24	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	0·1	...	...	...	...	...	...	0·1

TABLE XV—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF AUGUST 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	0·51	13·0	2·42	4
	St. Antoine	50	0·52	13·2	2·12	5
	Belmont	50	0·95	24·1	2·06	5
	Poudre d'Or	20	1·22	31·0	2·06	5
	Mon Loisir S. E.	300	0·45	11·4	2·78	3
	Forbach	300	0·42	10·7	2·29	3
	Couroupa...	...	0·68	17·3	3·67	5
*	Labourdonnais	290	0·49	12·5	2·76	2
	Mapou (Water Office) ...	...	0·73	18·5	...	2
	Beau Séjour	300	0·63	16·0	3·65	6
	Mont Piton	650	0·46	11·7	3.70	6
	Mon Choix	700	0·45	11·4	3·11	4
	Antoinette	640	...	...	3·59	...
	Mon Songe	620	0·52	13·2	3·97	9
	Botanical Gardens... ...	325	1·08	27·4	2·98	13
*	The Observatory	179	0·56	14·2	2·25	12
	Solitude	175	0·45	11·4	1·71	2
	St. André (Cour)	90	...	...	1·97	...
	La Nicolière	...	0·94	23·9	4·59	6
	California	...	0·65	16·5	3·74	3
	Australia	...	0·76	19·3	...	7
2&3	Union Régnard S.E.(Flacq)...	600	0·75	19·1	3·69	6
	Constance d'Arifat L.G. ...	100	0·90	22·9	3·27	10
	Rich Fund	600	0·91	23·1	5·45	9
	La Joffrette	...	0·32	8·1	...	2
	Belle Vue (Allendy) ...	...	0·63	16·0	4·32	9
4	Sans Souci	900	2·25	57·2	9·17	7
	Beau Champ (G.R.S.E.) ..	20	0·56	14·2	3·66	7
	Olivia	400	1·06	26·9	6·01	11
	Trois Ilots	...	0·73	18·5	...	5
	Belle Rive	400	1·82	46·2	8·83	12
	Sébastopol	700	2·40	61·0	...	5
	Bonne Veine	400	1·99	50·5	8·48	11
5	Rose Belle	850	2·79	70·9	9·76	12
	New Grove	650	2·24	56·9	...	10
	Mon Trésor	...	1·13	28·7	...	8
	Mon Désert (Carié) ...	75	0·84	21·3	3·33	7
	Ferney	20	0·63	16·0	4·75	4
	Sauve Terre	...	0·98	24·9	...	8
6	Tivoli	1,300	3·90	99·1	10·96	21
	La Flora...	1,050	3·65	92·7	9·84	19
	Riche Bois (Brit.) ...	650	1·92	48·8	5·75	10

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches.	Number of days
	Britannia (Estate) ...	700	2·46	62·5	6·39	14
	Savannah (Mill) ...	200	0·58	14·7	4·08	6
	St. Aubin	300	1·35	34·3	4·30	7
	St. Avold	900	1·75	44·5	7·80	17
	Colmar	400	2.03	51·6	5·23	7
	Union S. E.	...	1·53	38·9	4·44	6
	Fontenelle	320	2·79	70·9	4·75	7
	Choisy	200	1·02	25·9	3·37	7
	Beau Bois	...	2·28	57·9	5·69	11
	Bel Air	...	1 02	25·9	3·68	4
	St. Félix	...	1·91	48·5	...	4
7,8,9&10	Bel Ombre	40	1·16	29·5	3·45	7
	Beau Champ (B.du Cap)	70	1·69	42·9	3·54	6
	Frélérica	...	1·94	49·3	4·22	8
	Pierre Fond	...	0·43	10·9	2·38	8
	Ste. Marie	...	1·90	48·3	...	6
	Hussonia Limited ..	...	0·06	1·5	...	1
11	Curepipe Gardens ...	1,840	4·68	118·9	8·09	30
	Mare aux Vacoas (G.E.)	1,850	3·40	86·4	10·68	13
	Mare aux Vacoas (Arn.)	1,830	4·38	111·3	11·40	15
	La Marie Filter Bed ..	1,700	2·01	51·1	68·2	9
*	Sophie	...	4·10	104·0	...	10
	Réunion	1,420	2·26	57·4	5·15	10
*	Aerological Station ...	1,393	1·80	45·8	5·40	24
	Phœnix	...	0·54	13·7	4·35	3
	Quatre Bornes... ...	...	0·53	13·5	...	5
12	Quatre Bornes (Board) ...	1,090	0·56	14·2	...	2
*	Le Réduit (D. of A.) ...	1,000	0·85	21·6	2·55	25
	Alma...	1,460	2·37	60 2	6·99	10
	Bagatelle	1,250	1·89	48·0	4·08	9
	Highlands	1,300	1·41	35·8	5·08	8
	Trianon	950	0·81	20·6	2·80	5
	Val Ory	1,100	0·54	13·7	2·75	6
	Bassin	...	0·39	9·9	3·00	5
	Hermitage	1,450	3·30	83·8	8·60	7
	Ebene	...	0·89	22·6	...	8
	Bega...	...	0·61	15 5	...	7
	Mon Rêve	...	0·92	23·4	...	7
	Mont Pevril	...	1·07	27·2	...	8
	Minissy	1,150	1·12	28·4	3·25	7
	Plaisance	...	0·61	15·5	...	2
	La Ferme	350	0·19	4·8	1·25	5

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of AUGUST 1936.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	..	...	...	...	...	...	...	14¼	...	...	140	8·0*	...	..	...	...	..	...	...	...
2	..	...	...	...	...	...	...	..	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	..	...	...	...	...	...	...	...	...	...	...	...	13¾	...	...	270	3·1*	315	16.2	...	...	225	2·9*	210	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	...	...	St.	0·0*	...	...	...	...	...	...	...	...
6	..	...	...	.	...	...	...	...	...	...	...	...	...	14½	...	...	180	4.2*	...	...	...	...	...	...	...	...
7	11½	150	2·1*	180	2·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...
10	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	145	8·9*	148	4·3*	..	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	14	...	...	165	6.0*	...	...	...	...	...	...	...	...
13	..	...	...	...	..	...	..	...	...	...	...	...	...	14	128	8·9*	98	4·5*	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	14	...	...	75	8·7*	...	...	...	...	...	...	..	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	..	...	...	..	...	...	...	...	...	...	...	..	...	...	...	...	...
17	11¼	133	11·9*	113	10·3*	...	...	...	...	...	...	...	...	14¼	..	..	115	7·3*	...	...	...	...	...	...	...	...
18	11½	90	14·4*	105	13·8*	..	...	...	...	...	...	...	..	14¼	...	...	110	16.4*	100	11·3*	...	...	...	...	...	...
19	11½	82	6·8*	150	2·6*	..	...	...	...	...	...	...	...	14¼	120	9·8*	120	4·8*	...	...	...	...	...	...	...	..
20	11½	105	11·1*	120	10·0*	...	...	...	...	...	...	...	...	14¼	...	...	120	5·1*	...	...	...	...	...	...	...	...
21	11½	145	9.2*	112	3·5*	105	1.8*	...	...	...	...	...	...	14¼	150	6.3*	122	13·8*	...	...	...	...	...	..	...	...
22	11½	...	...	90	5·9*	...	...	...	...	...	...	...	...	14¼	113	13·3*	112	8·5*	...	...	...	...	30	1·9*	...	...
23	...	...	..	..	..	...	...	...	...	...	...	...	...	14¼	87	14·1*	82	15.4*	...	..	...		...	...	...	...
24	11½	82	22·0*	75	18·7*	...	...	...	...	...	...	...	...	14½	88	20·5*	90	9·0*	..	...	...	...	..	...	...	...
25	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
26	11½	103	...	78	11·6*	...	...	...	...	...	...	...	...	14¼	100	9·1*	100	5·6*	...	...	..	...	..	...	...	...
27	11½	150	8·2*	142	8.5*	...	...	...	...	...	...	...	...	14¼	152	8·5*	148	10.1*	...	...	...	...	...	...	...	...
28	11½	118	5.5*	90	8·2*	..	...	...	...	...	...	...	...	14¼	60	4·8*	107	10.4*	...	...	...	...	...	...	..	...
29	11½	150	4·9*	120	6·5*	...	...	...	...	...	...	...	...	14¼	150	5·1*	150	3·1*	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	11½	95	10·3*	...	...	90	8·8*	...	...	...	...	...	..	14¼	...	...	97	6·8*	106	5·0*	...	...	...	...	..	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec.

* Observatory Pamplemousses.

46/1/37—R.A.O. 250

NEW SERIES (MONTHLY) VOL. XXII. PART 9. PRICE 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

SEPTEMBER, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF SEPTEMBER, 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HRz : 10000	ZRz : 10000
AUG.	° ′			′				
1	13°13·7	·22496	·29705	9·0	38	40	85	119
2	12·5	496	708	6·7	38	27	85	80
3	12.8	503	707	5·6	29	19	65	56
4	12·0	499	705	6·8	23	30	52	89
5	12·2	493	707	6·5	25	29	56	86
6	12·2	489	704	9·0	18	47	40	140
7	12·8	500	706	8·5	31	44	70	131
8	13·0	500	703	9·0	50	38	113	113
9	12·5	484	710	8·8	63	25	142	74
10	14·0	481	711	7.6	62	22	139	65
11	12·9	470	711	9·3	75	30	169	89
12	14·0	480	710	7·2	32	34	72	101
13	13·8	495	703	9·0	44	40	99	119
14	12·9	497	701	8·8	48	48	108	143
15	13·2	493	703	8·7	52	38	117	113
16	13·6	501	703	8·7	52	48	117	143
17	13·5	505	706	8·5	30	30	68	89
18	13·8	503	699	11·7	39	55	88	163
19	14·1	505	699	12·7	22	48	49	143
20	13·2	502	697	12·0	22	47	49	140
21	13·5	511	695	10·5	21	53	47	157
22	14·3	516	700	9·0	49	43	110	128
23	13·6	498	705	10·7	53	24	119	71
24	...	...	703	...	...	39	...	116
25	13·4	501	701	7·6	30	41	68	122
26	14·2	471	710	8·0	113	25	254	74
27	13·2	493	709	10·0	80	34	180	101
28	14·2	499	705	10·0	26	51	58	151
29	13·7	493	710	8·5	57	35	128	104
30	13·1	500	712	7·8	43	28	97	83
...	...	...	...	...	...	...	...	...
Mean	13°13·31	·22496	·29705	8·83	43·6	37·1	98·1	110.1

Description of the Principal Magnetic Disturbances.

Declination.—22d. and 23d. Small pulsations at times on the trace.
26d. and 27d. Small pulsations at times on the trace.
29d. Very slightly disturbed.

Horizontal Force.— 4d. and 5d. Slightly disturbed.
8d. Small pulsations at times on the trace.
11d. Sudden commencement at $13^h\ 20^m$ of a short and slightly disturbed period, ending early on 12d.
18d. Sudden commencement at $1^h\ 50^m$ of a slightly disturbed period ending during the first half of 19d. Small pulsations on the disturbed trace.
21d., 22d. and 23d. Slightly disturbed. Small rapid oscillations on the trace during the first half of 23d.
26d. and 27d. Disturbed—Large increase in daily range. On 27d. 2^h, positive wave of 30γ.
29d. Small pulsations at times on the trace.

Vertical Force.— 8d. Small pulsations at times on the trace.
11d. Small sharp positive pulse at $18^h\ 20_m$. Small double wave between 19^h and 21^h.
23d. Continuous small pulsations on the trace at different times during the day.
26d. and 27d. Very slightly disturbed.
29d. Frequent small pulsations on the trace.

T=·37261 : Mean Dip=52° 51·77′ : (X=·21900 : Y=−·05145 : Z=·29705).

† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of SEPTEMBER 1936.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
d h m	° ′	d h m		d h m	° ′	
4·15.05	13·06·9	2· 9·35	·22506	4.14.52	52.51.03	·29690
11·11·30	13·15·6	9· 9·29	·22528	11·11·43	52·52·15	·29698
22·10·48	13·19·7	12· 9·40	·22457	22·11·19	52·48·25	·29696
29·12·05	13·14·2	16 11·38	·22527	29 11·56	52·50·44	·29700
		19· 9·17	·22515			
		23· 9·10	·22514			
		28· 8·41	·22498			
		30· 9·13	·22507			

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

SEPTEMBER 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	12·7	12·5	13·0	12·3	13·0	13·0	13·0	13·0	13·7	13·5	14·0	14·3	13·5	13·3	13·5	13·7	Midnight
1h	12·7	12·7	13·0	12·3	12·5	12·7	12·7	12·7	13·5	13·7	14·0	14·5	13·7	13·5	13·7	13·7	1h
2	12·5	13·0	13·0	12·5	12·0	12·5	12·7	12·7	13·3	13·5	14·0	14·3	13·7	14·0	13·7	13.0	2
3	13·0	13·0	13·3	13·0	12·5	12·5	12·5	12·5	13·0	13·3	13·7	14·0	14·0	13·3	14·0	13·0	3
4	12·5	12·5	13·3	13.0	13·0	12·3	12·5	12·5	13·0	13·3	13·5	13·5	14·0	13·5	14·0	13.0	4
5	12·5	12·0	13·0	12·3	12·5	12·0	12·4	12·3	12·5	13·0	13·0	14·0	13·5	13·3	13·5	13·0	5
6	12·3	11·5	12·5	10·5	12·0	11·0	12·0	12·0	11·5	12·5	12.5	13·5	13·0	13·0	13·0	13.3	6
7	12·0	10·0	12·0	10·0	10·0	09·3	11·0	12·0	11·5	12·3	11·7	12·7	13·7	13·0	13·0	13·0	7
8	14·0	12·0	12·5	11·0	10·0	10·5	12·5	13·5	12·3	14·3	13·7	14·0	15·0	14·0	14·0	14·5	8
9	17·0	14·0	13·5	13·0	11·5	13·0	15·0	16·0	14·0	16·5	17·0	16·0	18·0	16·0	16·0	16·5	9
10	19·0	15·7	14·0	14·0	13·0	16·0	17·0	18·0	16·0	18·5	17·3	18·0	19·0	17·3	17·7	19.0	10
11	18·0	15·7	15·0	14·3	15·5	16·5	17·0	18·0	16·5	19·3	16·0	18·7	18·0	16·0	17·0	18·0	11
Noon	16·0	15·0	15·3	13·5	14·3	15·3	15·7	16·0	16·0	18·0	14·0	18·3	16·5	14·0	15·0	16·0	Noon
13h	13·5	13·0	14·0	11·0	12.5	13·0	14·0	13·0	12·5	18·2	11·0	15·0	14·0	11·0	12·5	14·2	13h
14	10·0	10·5	11·5	09·3	10·3	09·0	11·0	10·0	09·0	13·7	09·0	12·0	11·0	09·0	10·0	12·4	14
15	18·2	09·7	10·0	07·5	09·0	07·5	09·3	09·0	07·7	12·0	08·0	11·5	10·0	08·5	09·7	10·5	15
16	13·5	09·0	09·7	08·0	09·0	08·3	08·5	09·0	08·0	11·7	09·3	11·5	10·5	09·0	09·0	10·3	16
17	10·0	10.0	11·0	11·0	11·0	10 5	10·0	10·0	09·0	11·7	10·3	12·0	12·0	10·5	10·5	11·5	17
18	12·0	12·0	12·5	13·0	13·0	12·5	12·5	12·3	10·5	12·0	11·5	13·0	12·7	12·5	12·3	12·5	18
19	12·3	13·0	13·0	13·5	13·3	13·0	13·0	12·5	12·0	12·3	12·0	13·0	13·0	13·0	12·0	13·0	19
20	12·5	13·0	13·0	13·5	13·5	12·3	13·3	13·0	13.0	12·5	13·0	13·0	13·0	13·0	12 7	13·0	20
21	12·7	13·0	13·0	13·3	13·3	13·5	13·5	13·5	13·3	13·7	13·0	13·5	13·3	13·0	13·0	13·3	21
22	12·5	13·0	12·7	13·5	13·3	13·0	13·5	13·5	13·5	13·5	14·0	13·3	13·5	15·0	13·5	13.5	22
23	12·7	13·0	12·7	13·0	13·5	13·0	13·0	13·7	13·7	13·7	14·3	13 5	13·3	13·5	13·0	15·3	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d		Mean	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	13·5	13·0	13·7	13·0	13·3	13·0	13·5	*	13.5	13·7	15·5	14·0	14·2	15 0	...	13·5	Midnight
1h	13·7	13·3	14·0	13·0	13·5	13·3	13·0	...	13·7	14·0	15·0	14·3	14·5	14·5	...	13·5	1h
2	13·7	13·5	14·0	13·0	13·5	13·5	13·0	...	14·0	14·3	14·0	14·3	14·0	14·0	...	13·4	2
3	13·7	13·7	13·8	13·0	13·7	13·5	13·5	...	13·5	14·3	13·0	14·2	14·0	13·7	...	13·4	3
4	14·0	14·0	14·0	13·3	14·0	14·0	14·0	...	13·7	14·0	13·7	14·3	13·5	14·0	...	13·4	4
5	14·0	14·2	14·0	13·5	14·0	14·3	14·5	...	14·3	13·5	13·5	14·5	13·3	14·0	...	13·3	5
6	13·5	14·3	13·5	14·0	13·7	14·5	14·5	...	14·5	13·0	13·5	14·0	13·0	13·7	...	13·0	6
7	13·5	15·5	14·0	15·0	14·5	14·0	15·0	...	14·7	14·0	14·0	15·0	14·0	14·0	...	12·9	7
8	15·0	17·0	16·0	17·5	16·5	16·0	17·0	...	15·5	16·0	15·0	17·0	16·0	15·5	...	14·4	8
9	16·5	19·0	19·0	19·0	17·3	18·5	18·0	...	16·0	16·5	16·5	18·5	17·3	16·3	...	16·3	9
10	18·0	20·0	21·0	18·0	18·5	19·7	19·0	19·0	16·3	18·0	17·0	19·0	18·0	16·0	...	17·5	10
11	18·0	19·0	21.0	16·0	18.0	20·0	16·0	18·5	16·0	17·0	17·0	18·0	16·0	14·0	...	17·1	11
Noon	14·5	14·5	18·5	14·3	15·0	18·0	15·0	16·3	15·0	16·0	15·0	16·5	14·0	12·0	...	15·4	Noon
13h	12·0	10·0	13·0	11·0	12·0	15·0	12·0	12·0	12·0	13·0	10·0	13·0	12·0	10·0	...	12·7	13h
14	09·5	08·3	09·5	08·5	09·5	12·0	10·0	08·5	09·0	10·0	07·0	09·0	10·0	0·85	...	09·9	14
15	09·7	09·0	08·3	07·0	08·0	11·0	08·3	08·0	08·7	10·0	09·5	10·0	09·5	0·90	...	09·5	15
16	11·0	09·7	09·3	07·5	08·5	11·5	09·0	10·0	10·0	10·5	09·0	11·0	10·5	10·0	...	09·9	16
17	12·5	12·0	11·0	10·0	10·5	12·0	10·5	12·0	11·0	12·0	11·0	12·5	12·0	12·0	...	11·0	17
18	13·0	13·0	13·0	13·0	12·5	13·0	12·7	13·0	12·7	13·5	12·7	13·3	13·5	13·0	...	12·6	18
19	13·0	13·5	13·0	13·5	13·0	13·0	13·3	13·5	13·0	14·3	13.0	13·3	14·3	13·0	...	13·0	19
20	13·3	13·7	13·3	13·5	13·0	13·5	13·5	13·5	13·0	15·0	13·3	13·5	13·5	13·0	...	13·2	20
21	13·3	14·0	13·5	13·7	13·5	13·7	13·7	13·7	13·3	16·0	13·5	13·3	13·7	13·3	...	13·5	21
22	13·3	13·7	13·5	13·5	13·5	13·5	14·0	14·0	13·5	16·3	14·0	13·5	14·0	13·5	...	13.5	22
23	13·0	13·7	13·3	13·3	13·3	13·3	13·7	13·7	13·5	15·7	14·0	13·5	14·3	13·7	...	13·5	23

* Driving clock stopped.

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 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	479	490	492	497	495	485	490	496	480	477	469	460	480	491	493	477	Midnight
1h	482	480	494	499	493	487	491	497	480	479	471	460	477	490	495	479	1h
2	484	493	497	500	500	490	490	498	479	478	476	469	485	490	495	487	2
3	487	492	499	501	499	491	492	499	483	481	478	471	483	492	496	487	3
4	488	494	500	502	497	490	493	502	487	482	480	480	482	493	497	490	4
5	489	493	500	502	500	491	497	503	490	483	481	477	487	493	499	491	5
6	490	492	501	507	497	493	500	507	493	484	482	479	489	494	497	492	6
7	495	498	505	509	500	498	503	510	497	489	490	483	490	495	498	499	7
8	502	498	512	509	506	497	510	517	500	498	500	487	493	500	502	501	8
9	512	500	519	512	501	499	511	518	507	497	493	487	496	499	501	505	9
10	508	505	520	503	492	491	509	515	510	499	487	486	504	497	499	512	10
11	506	510	518	505	488	485	509	519	512	502	484	489	510	505	503	520	11
Noon	513	517	520	507	500	481	512	527	520	512	488	492	520	515	518	527	Noon
13h	517	521	520	505	505	487	519	515	510	513	490	490	521	527	523	529	13h
14	517	512	514	492	500	487	521	509	482	500	481	487	518	520	517	523	14
15	510	500	505	495	487	488	507	495	470	477	472	481	507	510	505	520	15
16	498	487	493	498	481	485	497	490	468	472	465	480	501	502	489	512	16
17	490	487	492	495	482	482	493	490	463	462	467	479	498	497	480	500	17
18	487	485	495	493	485	483	492	490	457	460	452	479	493	492	475	491	18
19	489	483	496	495	487	485	491	487	457	453	440	479	490	484	471	493	19
20	488	485	492	492	485	486	491	480	468	451	440	480	489	480	472	494	20
21	489	487	491	489	484	487	491	477	472	457	425	480	489	479	477	493	21
22	489	489	493	489	482	487	492	478	471	462	436	481	488	486	477	493	22
23	490	491	493	490	481	487	493	479	472	469	447	481	490	490	473	494	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	...	Mean	Day, / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	497	501	499	505	503	501	509	*	490	499	440	499	499	485	...	488·9	Midnight
1h	499	501	502	508	506	505	505	...	490	500	450	497	495	487	...	490·0	1h
2	499	510	505	507	509	505	521	...	490	500	460	497	495	491	...	493·1	2
3	499	513	502	511	509	511	522	...	495	502	485	495	501	495	...	495·6	3
4	500	518	501	511	500	510	515	...	495	500	475	494	502	492	...	495·8	4
5	500	519	501	512	511	512	515	...	494	511	479	493	502	494	...	497·2	5
6	500	521	502	510	512	519	515	...	493	518	483	496	498	493	...	498·5	6
7	502	522	503	509	516	521	514	...	494	513	490	497	500	497	...	501·3	7
8	503	522	505	503	519	527	520	...	502	512	499	496	502	499	...	504·9	8
9	510	519	512	500	517	535	519	...	513	507	503	500	510	502	...	507·0	9
10	510	512	515	499	515	557	508	502	520	509	512	508	513	512	...	507·1	10
11	512	519	521	505	519	533	495	507	517	493	520	515	512	520	...	508·5	11
Noon	520	515	517	512	523	550	497	520	510	487	515	510	515	525	...	512·6	Noon
13h	527	490	510	503	520	539	503	519	507	482	529	510	507	528	...	512·0	13h
14	519	485	507	498	511	531	490	509	507	478	528	510	501	525	...	505·9	14
15	513	483	506	494	512	510	489	490	505	463	502	507	503	518	...	497·7	15
16	508	486	502	495	516	507	485	480	501	440	493	495	483	507	...	490·9	16
17	499	497	503	499	509	506	475	478	500	420	490	489	455	495	...	486·3	17
18	497	495	505	500	510	505	469	484	500	405	491	493	458	490	...	483·7	18
19	499	495	501	495	508	505	465	483	500	412	495	491	470	488	...	482·9	19
20	498	489	502	490	505	505	476	483	500	410	489	491	471	489	..	482·3	20
21	499	486	501	491	505	507	480	487	500	420	488	494	479	491	...	483·0	21
22	499	486	503	498	505	503	479	488	500	423	490	495	480	492	...	484·3	22
23	500	490	503	500	502	505	480	489	500	430	492	496	481	491	...	485·9	23

* Driving clock stopped.

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 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	708	706	708	708	707	709	708	710	711	713	712	716	710	709	707	710	Midnight
1h	708	706	707	707	706	708	708	710	711	713	711	715	711	708	706	709	1h
2	707	705	706	706	705	708	707	710	711	712	711	714	711	709	706	708	2
3	707	705	705	705	705	707	706	710	711	711	711	714	711	709	705	707	3
4	707	705	705	705	705	706	707	709	710	711	711	713	711	709	706	707	4
5	708	705	705	705	704	705	707	708	710	711	711	714	711	709	707	708	5
6	709	706	705	704	703	701	706	707	709	710	710	713	711	709	707	709	6
7	710	707	705	705	702	701	707	708	709	711	710	715	712	711	709	710	7
8	717	714	709	710	707	708	714	712	711	718	719	721	717	714	713	714	8
9	721	721	713	719	717	720	724	715	719	722	722	725	717	717	715	720	9
10	720	722	718	720	723	722	726	717	722	723	725	722	712	713	717	723	10
11	709	719	711	720	721	721	721	710	719	721	716	719	697	700	711	714	11
Noon	699	711	708	712	712	712	710	700	713	712	707	707	687	685	703	700	Noon
13h	690	705	707	699	705	694	699	690	700	707	701	697	684	677	690	688	13h
14	681	696	704	691	669	681	689	681	697	701	695	689	677	669	681	675	14
15	683	695	700	690	695	675	682	679	700	701	699	691	679	669	679	675	15
16	690	698	699	690	694	684	688	679	701	702	704	697	686	681	681	681	16
17	699	701	701	695	700	694	696	684	702	705	709	702	695	691	690	693	17
18	705	707	705	701	706	701	705	697	710	708	711	709	701	700	699	700	18
19	707	708	707	703	707	704	706	701	711	710	712	709	703	702	702	702	19
20	709	710	708	705	707	705	707	704	712	711	713	710	706	705	707	705	20
21	709	710	709	707	709	706	709	709	712	712	717	711	707	709	709	707	21
22	709	710	709	708	709	706	709	710	713	713	719	711	709	709	710	708	22
23	708	709	708	708	710	707	710	711	713	712	718	711	708	708	710	708	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	707	708	708	705	703	704	705	711	709	709	719	711	711	715	...	709·2	Midnight
1h	707	707	707	705	704	705	706	711	710	709	718	711	711	715	...	709·0	1h
2	706	706	706	704	705	705	705	711	710	709	717	711	711	713	...	708·5	2
3	705	705	704	703	704	704	705	711	710	709	713	712	711	712	...	707·9	3
4	705	705	705	704	704	703	705	711	711	709	717	712	711	714	...	708·1	4
5	707	705	705	705	703	705	707	711	711	709	718	714	712	716	...	708·5	5
6	707	706	705	705	703	703	705	710	711	709	716	713	713	717	...	708·1	6
7	709	710	708	710	705	705	707	711	710	711	717	717	719	720	...	709·4	7
8	714	715	713	715	710	711	711	713	710	713	717	720	721	722	...	714·1	8
9	720	717	718	716	712	718	712	714	710	712	718	721	721	722	...	717·9	9
10	721	713	717	711	713	717	713	712	705	717	718	719	720	721	...	718·1	10
11	720	700	708	702	704	711	711	704	703	711	709	701	703	719	...	711·2	11
Noon	713	678	690	689	685	696	704	696	690	702	698	681	697	705	...	700·1	Noon
13h	704	662	674	671	667	681	691	675	673	692	690	670	687	697	...	688·9	13h
14	692	664	670	669	660	675	689	675	670	693	685	670	686	694	...	683·3	14
15	691	673	672	669	664	679	691	679	676	696	688	682	693	699	...	684.8	15
16	691	684	680	672	670	684	697	689	685	705	697	694	701	704	...	690·3	16
17	696	692	687	682	679	690	703	699	692	712	701	701	708	708	..	696·9	17
18	701	698	695	693	689	697	709	703	700	719	709	706	715	711	...	703·7	18
19	703	701	697	697	692	699	710	703	701	719	709	707	716	712	...	705·3	19
20	705	703	700	700	697	700	710	705	703	720	711	709	714	712	...	707·1	20
21	707	706	703	702	700	701	710	707	706	722	711	710	716	715	...	708·9	21
22	700	708	704	703	701	701	710	707	707	720	711	710	715	715	...	709·4	22
23	708	709	704	703	702	702	711	708	707	720	711	710	716	715	...	709·5	23

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea level) during the MONTH of SEPTEMBER 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall		Duration of Bright Sunshine.	Percentage of Possible Sunshine.
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h *	9h *	15h	21h *	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.		
SEPT.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	973·3	17·9	2·6	13·1	73	14·9	110	7·2	9	...	...	17·2	...	19·2	12·9	6·3	3·4	58	5.4	46
2	971·1	18·1	1·8	14·8	81	16·7	95	6·3	9	...	...	20·0	...	21.6	14·0	7·0	1·4	21	8·0	68
3	971·0	20·4	3·1	14·9	71	16·8	85	4·0	7	...	...	20·9	...	23.0	15·0	8.0	0.0	0	8·2	70
4	970·6	21·9	2·9	16·8	73	18·9	90	5·4	7	...	...	2·32	...	24·0	17·0	7·0	0·0	0	10·2	87
5	970·7	22·0	3·4	16·0	69	18·0	90	7·2	4	...	...	...	...	24·2	18·0	6·2	0·0	0	10.7	91
6	970·1	21·8	3·2	16·1	70	18.1	90	3·6	4	...	...	...	...	23·8	15·8	8·0	0·1	2	9·7	82
7	969·9	22·2	4·6	14·1	60	15·9	85	0·9	1	...	...	23·9	...	26·0	15·1	10·9	0·2	2	10·5	89
8	970·1	22·2	5·7	12·2	53	14·1	Calm		0	...	...	23·4	...	24·1	12·0	12·1	0·0	0	9·1	77
9	970·2	19·3	1·4	16·7	85	18·8	230	8·5	8	...	...	19·5	...	24·4	17·0	7·4	0·5	6	8.0	68
10	970·1	19·9	3·7	13·2	65	15·0	230	8·1	0	...	...	18·5	...	21·9	15·6	6·3	0·0	0	10·2	86
11	970·6	17·9	4·2	10·1	61	12·3	260	6·7	6	...	...	18·8	...	21·8	12·6	9·2	0·4	8	9·8	82
12	970·5	17·4	1·5	14·6	84	16·5	110	7·6	9	...	...	...	...	19·5	13·4	6·1	2·5	32	6·6	55
13	971·1	17·6	2·6	12·8	74	14·7	110	5·4	10	...	...	...	...	19·9	11·5	8·4	2·0	26	1·9	16
14	971·0	18·9	3·6	12·3	66	14·2	110	2·7	7	...	...	19·1	...	21·1	14·2	6·9	0·1	1	3·0	25
15	970·6	20·9	4·7	12·5	59	14·4	90	3·1	8	...	...	18.9	...	22·8	12·9	9·9	1·3	31	3·9	33
16	973·0	19·3	1·4	16·7	85	18·8	90	8·1	7	...	...	19·4	...	21·4	15·7	5·7	2·9	51	8·4	71
17	975·3	18·0	1·6	15·1	83	17·0	110	8·9	10	...	...	17·2	...	19·6	15·4	4·2	2·1	47	3·2	27
18	975·8	18·1	2·6	13·3	73	15·1	110	7·6	10	...	...	18·9	...	20·6	14·7	5·9	1·0	19	7·3	61
19	974·5	20·0	3·1	14·5	71	16·4	100	8·5	5	...	...	...	...	21·6	15·6	6·0	10·3	164	7·4	62
20	974·9	19·9	3·0	14·5	71	16·4	110	6·3	7	...	...	...	...	21·8	14·6	7·2	1·2	12	7·2	60
21	973·8	19·7	2·8	14·6	73	16·5	95	6·7	7	...	...	17·9	...	20·2	12·4	7·8	5·8	105	9·3	78
22	972·6	19·5	4·6	11·2	59	13·2	115	8·5	1	...	...	17·5	...	21·2	14·1	7·1	5·6	59	7·5	62
23	971·4	17·8	1·2	15·6	87	17·6	115	9·4	7	...	...	19·1	...	21·2	14.1	7·1	2.9	36	6·2	51
24	970·0	20·4	3·1	14·9	71	16·8	130	8·5	4	...	...	20.4	...	22·1	14·1	8·0	7·0	45	9·1	75
25	969·5	20·3	3·3	14·4	69	16·3	120	12·5	1	...	...	18·9	...	21·7	15·1	6·6	9·4	238	9·3	77
26	970·7	19·4	2·5	14·9	75	16·8	120	10·7	10	...	...	...	...	20·5	16·1	4·4	14·5	260	7·2	60
27	971.7	19·0	2·6	14·3	66	16·2	120	8·9	8	.	...	...	...	20·5	15·0	5·5	9·2	140	9·0	74
28	972·0	19·3	2·2	15·3	77	17·2	110	8·1	6	...	...	20·0	...	21·0	16·0	5·0	24·8	313	9·8	80
29	972·3	18·3	1·0	16·5	89	18·6	110	7·2	10	...	...	19·3	...	20·9	15·9	5·0	12·0	182	7·9	65
30	971.5	20·9	1·9	17·5	81	19·8	110	8·5	7	...	...	20·4	...	21·9	17·0	4·9	1·0	1	8·9	73
...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
Mean	973·7	19.6	2·9	14·4	72·1	16·4	...	6·9	6·3	14·2	16·9	19·7	...	21·8	14·8	7·0	121·6	1859	7·76	65.0
Average	971·6	19·6	2·4	15·1	76·3	17·2	...	4·8	6·4	...	...	...	...	21·5	15·0	6·5	90·7	...	6·97	58·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	40·5mbs.	Amount of rain	—	94·0mms.
Temperature of the Air	+	3·5°C	Duration of sunshine	—	19·3hrs.
Vapour Pressure	+	0·1mbs.	Mean of maximum temperatures	+	3·4°C
Relative Humidity	—	13·2%	,, minimum temperatures	+	2·4°C
Velocity of Wind	—	1·6mps.	Absolute maximum temperature	+	2·0°C
Amount of Cloud	—	0·6	,, minimum temperature	+	1·6°C

Greatest Rainfall intensity at Vacoas. 7·0 mms. in 45 minutes.

* Instrument out of order.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1936

Month and Day 1936.	Atmospheric Pressure.		Temperature of the Air.					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point.		Relative Humidity (Saturation=100).		Vapour Pressure.	Minimum on the Grass.	Rainfall.		Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
	Mean.	Excess above Average.	Daily Maximum	Daily Minimum	Daily Range	Mean.	Excess above Average		Mean.	Excess above Average.	Mean	Excess above Average.			Amount recorded by the Beckley Pluviograph.	Duration		
SEPT.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mms.	min	mms.	
1	1014·7	+ 0·4	23·0	16·1	6·9	19·1	− 1·2	2·8	14·0	− 1·3	72	− 1	15·8	14·0	1·1	56	5·6	6·8
2	1012·1	− 2·1	24·8	17·1	7·7	20·5	+ 0·2	3·4	14·4	− 0·9	68	− 5	19·3	15·0	0·9	41	4·4	5·0
3	1012·3	− 1·9	25·9	16·2	9·7	21·2	+ 0·9	3·1	15·7	+ 0·4	71	− 2	17·7	14·1	0·5	12	6·0	5·8
4	1011·9	− 2·2	26·2	18·5	7·7	22·3	+ 1·9	2·4	18·1	+ 2·7	77	+ 4	20·6	16·4	0·5	20	5·8	6·0
5	1011·5	− 2.6	26·2	18·2	8.0	23·3	+ 1·9	3·0	17·0	+ 1·6	72	− 1	19·2	15·4	0·1	5	5·9	3·8
6	1010·7	− 3·3	26·6	17·0	9·6	21·4	+ 1·0	2·9	16·3	+ 0·9	73	0	18·4	14·2	0·0	...	6·0	3·6
7	1011·0	− 3·0	28·0	16·9	11·1	21·6	+ 1·1	3·6	15·2	− 0.3	67	− 6	17·1	15·0	0·0	...	6·0	2·2
8	1011·5	− 2·4	27·7	13·9	13·8	21·1	+ 0·6	3·6	14·7	− 0·6	67	− 5	16·6	10·2	0·1	2	5·8	3·5
9	1011·6	− 2·3	25·0	19·1	5·9	21·4	+ 0·9	3·3	15·6	+ 0·3	70	− 2	17.6	17·0	0·0	...	6·7	6·3
10	1011·7	− 2·1	26·0	16·7	9·3	20·8	+ 0·3	4·2	13·3	− 2·0	62	− 10	15·1	12·8	0·0	...	6·0	4·6
11	1012·3	− 1·4	24·2	13·1	11·1	18·7	− 1·9	4·5	10·5	− 4·9	59	− 13	12·6	9·2	0·0	...	5·8	2·3
12	1012·4	− 1·3	23·7	14·1	9·6	18·7	− 1·9	3·5	12·3	− 3·1	66	− 6	14·2	9·2	0·5	15	5·7	3·5
13	1012·5	− 1·1	23·0	13·9	9·1	18·5	− 2·1	3·3	12·5	− 2·9	68	− 4	14·4	10·8	0·0	...	5·1	7·5
14	1011·8	− 1·8	24·2	16·1	8·1	20·2	− 0·5	4·8	13·0	− 2·5	64	− 8	14·9	15·4	0·0	...	5·4	6·5
15	1012·2	− 1·4	24·6	15·9	8·7	20·4	− 0·3	3·6	14·0	− 1·5	67	− 5	15·8	15·2	0·0	...	5·0	8·5
16	1015·4	+ 1·9	25·0	18·2	6·8	20·6	− 0·2	2·7	15·8	+ 0·2	74	+ 2	17·8	17·2	1·7	56	3·4	5·8
17	1017·7	+ 4·2	24·2	18·0	6·2	20·3	− 0·5	3·5	14·0	− 1·6	67	− 5	15·8	16·1	0·0	...	5·4	5·8
18	1018·0	+ 4·5	25·0	17·7	7·3	20·6	− 0·2	4·0	13·4	− 2·0	63	− 9	15·2	16.6	0·1	5	6·0	4·3
19	1017·2	+ 3·8	25·1	18·0	7·1	20·4	− 0·5	2·9	15·2	− 0·3	72	0	17·1	17·0	2·7	50	6·3	5·7
20	1017·0	+ 3·6	24·8	17·2	7·6	20·1	− 0·8	2·7	15·6	+ 0·1	76	+ 4	17·6	14·9	1·0	37	4·7	5·7
21	1015·7	+ 2·3	24·7	17·9	6.8	20·2	− 0·8	3·1	14·7	− 1·0	71	− 1	16·6	15·0	1·4	47	3·9	5·0
22	1013·7	+ 0·4	24·6	17·4	7·2	20·4	− 0·6	3·7	13·8	− 1·9	66	− 5	15·6	15·1	0·4	18	6·1	3·5
23	1012·4	− 0·9	25·0	18·2	6·8	20·9	0·1	3·6	14·5	− 1·2	67	− 4	16·4	16·8	0·0	...	5·9	3·8
24	1011·6	− 1·6	26·1	18·6	7·5	21·4	− 0·3	3·1	15·9	+ 0·3	71	0	17·9	15·3	8·8	70	6·9	5·4
25	1011·2	− 1·9	25·7	18·3	7·4	21·2	+ 0·1	3·3	1·54	− 0·2	70	− 1	17·3	17·2	0·0	...	7·1	5·5
26	1011·8	− 1·3	24·9	18·5	6·4	20·9	− 0·3	3·2	15·2	− 0·5	70	− 1	17·1	17·1	1·3	35	5·6	6·3
27	1012·6	− 0·4	24·9	18·3	6·6	21·3	+ 0·1	3·9	14·4	− 1·3	65	− 6	16·3	16·0	0·3	20	7·6	5·5
28	1013·5	+ 0·6	25·0	18·1	6·9	21·0	− 0·3	3·3	15·2	− 0·6	70	− 1	17·1	16·9	4·9	101	6·9	5·1
29	1013·2	+ 0·4	25·1	18·1	7·0	21·4	+ 0·1	2·9	16·3	+ 0·5	73	+ 2	18·4	16·6	1·2	25	6·6	5·7
30	1012·8	0·0	25·8	19·9	5·9	21·7	+ 0·3	2·4	17·5	+ 1·6	77	+ 6	19·8	18·9	0·1	5	6·7	4·3
...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	..	...	...
Mean	1013·1	− 0·4	25·2	17·2	8·0	20·6	− 0·1	3·3	14·8	− 0·7	69·2	− 2·7	16·7	15·0	Sum 27·6	Sum 620	5·8	5·1
Aver.	1013·5	...	25·1	17·0	8·1	20·7	...	2·9	15·5	...	71·9	...	17·5	13·7	35·3	808	4·9	5·2
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF SEPTEMBER 1936.

Pressure was very low during the first ten days; this was accompanied by persistently calm weather and a well-marked high temperature wave. From the 16th the normal circulation was resumed with the recovery of pressure and resetting of the trades at unusual strength. These conditions brought most of the light precipitation of the month and the rainfall, already at lowest at this time of the year for the North of the Island, was moreover, as in the preceeding months, below normal but in the present case to the extent of 22%.

Persistently low humidity and a higher percentage of the bright sunshine than the average were also note-worthy features.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1936

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather
SEPTEMBER	hrs.	%	m.p.s.	m.p.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h
1	6.7	57	4.0	0.0	24.5	23.5	22.3	21.9	bcr_0 : b . or_0 : cq : c : cr_0 .
2	9.5	81	3.9	− 0.1	24.5	23.5	22.3	21.9	or_0 : cr_0 : bc : b .
3	10.0	85	2.7	− 1.3	24.6	23.6	22.3	22.3	bc : bcr_0 : bc .
4	10.2	87	2.9	− 1.1	24.5	23.5	22.3	22.0	cr_0 : bcr_0 : bc : bcq_0r_0 : bc : b .
5	10.6	91	2.9	− 1.1	24.5	23.5	22.4	22.8	bc : bq_0 b b .
6	10.7	91	2.7	− 1.3	24.5	23.5	22.6	23.0	b : bc : bcq_0 : b .
7	9.6	81	2.0	− 1.9	24.4	23.5	22.7	23.2	b : bc : b .
8	10.5	89	1.8	− 2.1	24.3	23.5	23.0	23.6	b : bc : c : bc .
9	6.1	52	5.1	+ 1.2	24.6	23.5	23.0	23.9	bc : bcq : : bc .
10	9.1	77	5.0	+ 1.2	24.4	23.5	23.2	23.7	c : bc : b : b_0 .
11	9.5	80	3.9	+ 0.1	24.3	23.5	23.2	23.2	b_0 : b .
12	8.4	71	4.1	+ 0.3	24.3	23.5	23.2	22.9	b : bc : cr_0 : bcq_0 : bc : b .
13	2.8	24	3.0	− 0.8	24.3	23.5	23.1	22.8	b : bc : c .
14	4.4	37	3.4	− 0.3	24.4	23.5	23.0	22.6	o : c : bc : c : bc : b .
15	0.4	3	1.6	− 2.1	24.3	23.5	23.0	22.7	o : c : og : c : bc .
16	8.6	72	4.1	+ 0.4	24.2	23.6	22.9	22.7	bc : cr_0r_0 : bcq : b .
17	6.3	53	5.3	+ 1.6	24.2	23.5	22.9	22.8	b : bc : cq : : bcq : bc .
18	10.0	83	5.3	+ 1.6	24.2	23.6	22.9	22.7	bc : bcQ : bcq : b .
19	8.3	69	4.7	+ 1.0	24.3	23.6	22.9	21.9	b : bc : ber_0 : $bcgq_0r_0$: or_0r_0 : bc .
20	5.9	49	3.9	+ 0.2	24.2	23.6	22.9	22.9	bc : b : bcq : $bcqd_0d_0$: cqr_0r_0 : bc .
21	8.4	70	4.7	+ 1.0	24.3	23.6	22.9	22.7	b : c : bcr_0r_0 .
22	8.5	70	5.2	+ 1.5	24.2	23.6	22.9	22.6	bd_0d_0 : b : bcq_0 : bc .
23	9.8	81	4.6	+ 0.9	24.4	23.6	23.9	22.9	b : bc : b : bc : b .
24	7.7	64	4.0	+ 0.4	24.4	23.6	23.0	23.2	b_0 : bc : bcr_0 : orr .
25	9.6	79	4.5	+ 0.9	24.3	23.6	23.0	23.6	c : bc .
26	8.3	69	5.2	+ 1.6	24.2	23.5	23.1	23.8	bcr_0r_0 . c : bcr_0 : bc .
27	11.1	91	5.9	+ 2.3	24.2	23.5	23.2	23.6	bc : bcq : $bcqr_0r_0$.
28	10.4	85	6.2	+ 2.6	24.2	23.6	23.2	23.5	$bcqr_0r_0$: bcq : bq : bc : cr_0r_0 .
29	10.2	84	5.4	+ 1.8	24.2	23.6	23.2	23.6	cr_0r_0 : bc : b .
30	10.6	87	5.5	+ 1.9	24.2	23.6	23.3	23.7	bc : b : bc .
...	...	...	...	...	...	...	...	...	.....
Mean	8.41	70.4	4.12	+0.35	24.20	23.55	22.89	23.01	.....
Average	7.98	66.9	3.77	...	24.59	23.71	22.68	22.86	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF SEPTEMBER 1936.

	Heigh		Date	Lowest		Date
Atmospheric Pressure	1019.1mbs.	..	often	1008.4mbs.	at 15.00hrs.	on 6th
Temperature of the Air	28.0°C	at 12.20 hrs.	on 7th	13.1°C	at 02.30hrs.	on 11th
Daily range of temperature of the Air ...	13.8°C	...	on 8th	5.9°C	...	on 9th & 30th
Temperature of the Dew Point	19.1°C	at 04.00 hrs.	on 5th	8.8°C	at 14.00hrs.	on 11th
Daily range of temperature of the Dew Point	6.0°C	...	on 8th	2.0°C	...	on 29th
Minimum on Grass	...	...	...	9.2°C	...	on 11th & 12th
Relative humidity	96.0%	at 09.00 hrs.	on 16th	38.1%	at 14.00hrs.	on 11th
Vapour Pressure	21.9mbs.	at 04.00 hrs.	on 5th	11.2mbs.	at 14.00hrs.	on 11th
Evaporation in 24 hours	7.6mms.	...	on 27th	3.4mms.	.	on 16th
Wind Velocity	9.6m.p.s	at 15.00 hrs.	on 27th	0.6m.p.s.	at 08.00rs. / 07.00hrs.	on 8th / on 15th
Rainfall in 24 hours	8.8mms.	ending 23 hrs.	on 24th	..	...	...
Duration of sunshine	11.1hrs.	...	on 27th	0.4hr.	...	on 15th

Mean Day Temperature of Air, 22.57°C ... Average 22.91°C. Mean Night Temperature of Air, 18.77°C. Average 18.63°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	5	22	3	...	10	8	1	...	...	...	...

TABLE VIII.—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 55·2 metres above mean sea-level.)

SEPTEMBER 1936.

The initial 10 or 9 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	169	141	124	131	123	121	118	118	122	123	130	127	140	129	120	140	Midnight
1	168	138	123	130	121	118	114	111	119	120	129	121	133	125	116	137	1h
2	162	131	123	126	120	116	111	109	114	118	124	118	130	120	111	133	2
3	160	128	121	121	118	110	110	109	111	113	121	114	127	119	111	132	3
4	154	125	120	120	114	109	110	108	110	113	121	111	121	114	110	131	4
5	154	124	120	121	112	110	111	110	113	115	122	114	122	118	111	139	5
6	160	125	121	125	118	111	115	115	117	116	127	120	126	121	119	146	6
7	161	127	130	129	120	113	120	121	119	122	133	126	131	130	122	150	7
8	163	130	132	129	126	114	121	125	120	128	136	130	132	133	130	158	8
9	164	131	133	131	128	118	121	127	126	128	139	131	135	135	133	160	9
10	162	131	132	132	129	118	120	125	125	124	136	131	136	134	130	161	10
11	154	128	130	128	125	112	111	120	121	121	130	130	132	130	124	159	11
Noon	144	120	123	118	115	102	101	111	113	114	121	124	130	120	121	152	Noon
13h	140	113	116	111	109	093	096	109	110	109	115	121	121	110	113	150	13h
14	130	110	110	106	100	089	090	103	106	100	109	115	112	101	111	146	14
15	122	104	108	100	094	084	088	101	101	097	101	110	110	100	110	143	15
16	124	104	109	101	096	086	091	101	101	099	102	111	109	100	110	144	16
17	126	104	110	103	100	090	097	102	109	101	107	116	110	101	112	149	17
18	130	109	115	107	106	097	101	110	112	110	111	121	115	103	120	157	18
19	131	112	120	111	111	102	110	113	117	118	121	129	121	110	127	157	19
20	139	119	127	119	117	107	117	120	122	122	130	136	125	117	131	178	20
21	140	122	131	121	120	111	120	126	127	126	132	141	130	120	137	181	21
22	141	124	134	121	120	110	120	128	122	130	132	142	131	120	140	184	22
23	143	124	132	121	121	118	120	126	123	130	131	142	130	120	140	186	23

The initial 10 or 9 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	181	187	187	180	174	151	131	122	124	116	128	130	146	132	...	1013·9	Midnight
1h	179	182	181	176	170	149	128	120	120	110	128	123	140	128	...	1013·5	1h
2	173	180	180	171	166	140	124	115	117	104	122	120	134	123	...	1013·1	2
3	171	179	175	170	161	136	121	111	109	105	119	119	130	120	...	1012·8	3
4	170	179	172	168	161	135	120	113	107	106	120	123	129	121	...	1012·7	4
5	170	180	175	169	161	140	122	119	110	110	121	124	130	122	...	1012·9	5
6	171	181	175	171	163	142	130	120	111	114	126	130	134	127	...	1013·3	6
7	176	187	178	175	168	149	133	124	114	120	130	137	140	131	...	1013·7	7
8	180	190	182	178	170	151	139	128	121	121	137	143	141	136	...	1014·1	8
9	183	190	180	180	170	151	140	129	121	129	141	149	144	137	...	1014·3	9
10	186	191	179	180	166	150	139	122	120	130	141	150	146	139	...	1014·2	10
11	181	186	175	176	160	145	131	118	113	126	139	147	141	131	...	1013·7	11
Noon	177	179	168	169	151	138	123	109	108	120	131	139	132	126	...	1013·0	Noon
13h	171	175	162	161	144	130	115	101	101	111	121	131	124	120	...	1012·4	13h
14	170	169	156	158	141	124	110	100	100	108	116	122	115	113	...	1011·8	14
15	164	165	152	157	138	121	106	100	094	106	110	120	111	111	...	1011·4	15
16	165	168	154	158	139	120	108	100	098	106	109	126	114	114	...	1011·6	16
17	167	168	157	159	141	122	110	100	103	110	110	130	118	119	...	1011·8	17
18	172	171	161	161	149	129	118	110	109	120	116	135	122	124	...	1012·4	18
19	180	174	170	169	151	131	123	114	115	124	122	141	129	130	...	1012·9	19
20	187	180	178	173	156	136	130	123	120	130	130	148	139	139	...	1013·7	20
21	191	185	182	179	157	140	131	130	121	133	132	151	140	143	...	1014·6	21
22	191	189	183	179	158	140	131	131	122	131	134	152	140	143	...	1014·1	22
23	190	190	181	176	158	134	129	130	120	129	131	150	139	141	...	1014·0	23

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

Hour. \ Day.	SEPTEMBER 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Mean
Midnight	9	9	2	7	4	3	1	0	8	9	0	2	3	8	3	6	1	5	1	6	2	2	2	0	10	6	7	5	9	5	...	4·5
1h	8	10	2	7	5	3	1	0	8	8	0	2	3	9	5	7	1	5	1	7	3	2	3	0	9	8	7	4	10	5	...	4·8
2	7	10	4	9	5	2	1	1	7	8	0	1	3	10	8	7	1	6	1	5	2	2	2	0	9	4	6	4	7	3	...	4·5
3	6	10	5	9	6	4	1	1	6	9	0	2	3	10	10	7	1	4	1	4	2	2	2	0	7	10	4	4	4	3	...	4·6
4	4	10	5	7	6	6	1	1	6	8	1	2	3	7	10	8	1	4	1	3	3	2	3	0	8	3	6	5	6	3	...	4·4
5	3	9	7	6	7	9	2	1	5	7	1	3	4	8	10	10	4	4	3	3	3	2	5	0	9	4	5	7	8	5	...	5·1
6	2	9	7	7	9	2	1	1	5	8	2	3	5	8	10	10	4	7	4	3	3	4	5	6	9	10	4	8	8	3	...	5·6
7	2	8	7	7	4	3	1	2	3	8	2	3	7	7	10	10	6	6	4	0	4	3	2	8	5	9	6	6	7	3	...	5·3
8	2	5	7	7	4	4	0	2	2	8	3	4	9	5	10	9	8	5	4	6	4	3	2	8	3	9	7	3	6	2	...	5·0
9	2	5	8	7	6	4	0	2	5	8	4	4	9	5	9	9	6	8	4	6	4	2	2	6	3	8	6	3	6	2	...	5·1
10	10	4	6	7	5	6	0	1	6	6	3	5	10	7	8	7	9	7	5	7	6	2	5	5	3	10	8	6	7	3	...	5·8
11	10	4	6	5	4	8	1	1	7	3	4	8	9	8	9	7	9	6	5	7	8	2	6	7	4	7	8	3	5	5	...	5·9
Noon	10	4	6	4	4	6	2	1	8	4	4	9	10	6	9	7	9	6	5	7	7	3	7	7	4	7	3	2	6	6	...	5·8
13h	9	4	6	8	3	6	3	4	7	5	3	6	10	8	9	7	9	5	7	7	6	8	5	7	4	5	3	2	6	5	...	5·9
14	8	3	6	4	3	4	2	6	7	6	3	4	9	7	10	7	9	4	5	8	5	8	5	6	8	5	3	2	5	4	...	5·6
15	7	2	6	5	2	4	2	8	7	6	3	4	9	9	10	5	9	4	9	8	5	6	4	5	4	5	3	3	4	4	...	5·4
16	8	3	6	6	2	4	5	7	7	3	2	4	9	9	10	4	8	4	10	8	5	5	6	5	5	6	3	4	5	6	...	5·7
17	9	3	6	7	2	3	8	7	7	1	2	4	9	9	9	5	7	4	9	8	6	5	7	4	8	6	3	5	7	7	...	5·9
18	9	5	5	7	2	3	8	2	7	1	2	4	9	9	9	4	6	4	9	6	8	4	6	6	4	5	3	5	5	5	...	5·4
19	9	2	6	9	2	2	7	2	6	0	3	1	9	5	9	2	6	2	10	5	8	4	6	7	4	5	6	7	3	4	...	5·0
20	9	2	6	3	2	0	4	8	8	0	3	1	9	2	8	1	5	2	10	4	6	4	4	8	3	4	8	7	5	4	...	4·7
21	4	1	6	2	1	0	2	8	6	0	4	2	9	1	7	1	7	1	9	4	6	4	1	10	4	4	8	8	3	3	...	4·3
22	7	1	5	2	1	0	1	7	7	0	3	2	9	1	6	1	6	1	7	5	7	3	1	10	3	5	8	8	3	7	...	4·3
23	9	1	6	3	1	1	1	7	5	0	3	3	9	1	4	1	5	1	9	5	7	3	0	10	4	6	7	10	3	6	...	4·4

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

Hour Ending. \ Day.	SEPTEMBER 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.		hrs
6h	...	..	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...
7	25	30	6	22	12	18	33	35	6	7	8	11	25	0	0	0	0	30	29	14	36	17	30	0	44	14	38	9	11	10	..	8·7
8	60	59	60	60	55	60	60	60	60	47	26	54	24	53	0	0	42	55	60	60	60	54	60	10	60	0	60	60	55	60	...	23·9
9	60	59	51	60	58	60	60	60	60	26	38	38	0	60	0	53	23	50	60	50	57	60	60	1	50	20	58	60	59	56	...	23·4
10	60	60	60	54	60	58	60	60	59	60	56	42	13	35	13	55	35	38	56	51	53	60	60	38	60	12	60	60	50	60	...	24·9
11	33	52	56	60	60	41	60	60	14	60	60	50	0	8	13	59	53	60	51	34	46	60	58	60	60	48	60	45	60	60	...	24·0
Noon	20	18	57	60	60	42	60	60	54	60	59	17	22	42	0	60	52	60	60	56	50	60	30	58	60	60	59	60	60	60	...	24·6
13h	18	60	60	60	60	60	60	60	57	53	56	43	4	30	1	54	52	60	59	50	48	60	56	54	58	60	60	60	60	60	...	25·6
14	43	52	60	60	60	60	60	60	23	57	55	60	0	35	0	50	20	54	51	14	53	38	60	60	46	60	60	60	58	60	...	23·8
15	48	60	60	60	60	60	36	55	16	30	60	60	22	0	0	46	6	60	21	4	53	9	60	50	60	60	60	60	60	60	...	21·6
16	28	48	60	55	60	60	42	45	7	60	60	57	15	0	0	60	18	40	33	0	33	46	59	40	60	60	60	60	58	52		21·3
17	11	58	54	49	60	60	41	50	9	60	59	60	46	0	0	60	53	60	21	10	13	44	20	56	19	60	57	57	55	60	...	21·0
18	0	15	14	10	32	60	7	29	0	25	31	13	0	0	0	17	22	34	0	8	0	5	36	32	0	43	32	33	27	37	...	9·4
19	...	...	..	...	...	...	..	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...

The total Amount of Registered Sunshine was 252.2 hrs. and the total possible sunshine was 3582 hrs.

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

(*To obtain temperatures on the Absolute Scale add 273*)

SEPTEMBER 1936.

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
Midnight	18·0	2·3	17·3	1·3	18·3	1·7	19·5	1·2	21·3	1·3	18·3	1·4	19·2	1·2	17·0	1·4	Midnight
1h	17·0	1·8	17·8	1·6	17·9	1·7	19·9	0·9	21·0	1·2	18·1	1·4	18·5	1·2	16·9	1·7	1h
2	16·7	2·0	17·9	1·0	16·8	1·7	19·8	0·9	20·6	1.0	17·8	1·5	18·2	1·1	16·1	1.3	2
3	17·0	2·0	17·2	1·2	17·0	1·6	20·0	0·9	20·9	1·1	17·3	1·2	18.0	1·1	15·4	1·4	3
4	16·3	2·2	17·4	1·4	18·1	1.5	19·2	0·7	21·0	1·1	17·2	1·1	17.2	1·0	14·8	1·5	4
5	16·5	1·8	17·6	1·5	18·1	1·3	19·0	0·9	20·9	1.1	17·8	1·1	17·7	1·1	14·1	1.1	5
6	16·7	1·7	17·7	1·7	17·9	1·6	18·7	0·9	20·9	1·2	18·0	1·3	17·0	1 0	14·0	1·5	6
7	17·7	2·5	18·9	2·3	18·2	1·1	19·6	0 8	21·0	1·3	18·3	1·0	18·6	1·7	15·2	1·5	7
8	19·5	2·7	20·8	3·0	20·9	2·4	22·3	2·1	22·6	2·5	22·2	2·8	22·1	3·1	20·4	3·2	8
9	20·3	3·5	21·9	3·9	23·1	4·3	23·7	3·5	23.6	3·6	24·0	4·1	24·1	5.9	22·2	4·3	9
10	22·1	5·3	23·5	4·2	24·2	5·3	24·4	3·7	24·8	4·9	24·6	5.0	25·1	7·2	24·5	6·1	10
11	20·5	2·7	23·9	5·8	24·8	5·9	25·0	4·0	25·4	5·7	24·3	4·7	26·1	8·0	26·3	6·5	11
Noon	22·2	5·0	24·0	6·7	24·3	5·3	25·6	4·6	25·4	5·4	25.7	5·7	27·8	6·8	26·9	6·3	Noon
13h	20·0	2·4	24·0	6·2	25 0	6·0	25·2	4·2	26·0	6·1	26·3	5·8	27·6	7·4	26·8	6.9	13h
14	22·0	4·2	24·2	6·6	25·3	6·0	25·5	4·4	25·7	5·7	26·0	6·1	26·6	6·6	27·2	7·2	14
15	21·4	3·8	24·1	6·9	25·0	5·4	25·9	4·7	25·1	5·1	25 5	5·2	25·6	5·5	26·6	6·1	15
16	20·6	3·6	22·9	4·9	24·4	5.1	24·8	3·8	24·6	4·7	25·0	5.5	25·2	5·6	25·8	5·3	16
17	20·1	3·1	22.6	5·3	23·8	4·4	23·8	3·0	23·8	5·1	24·0	4·1	24·1	4·9	24·3	5·1	17
18	20·1	3·4	21·3	4·0	21·7	3·1	22·9	2.5	22·1	3·6	22·6	3.1	22·8	3·9	23·0	4·0	18
19	19·6	3·1	20·0	3·0	21·1	2·0	22·0	1·8	21·0	2·8	21·1	2·1	21·9	3·2	21·6	3·2	19
20	19·2	3·0	19·7	2·0	21·0	1·9	22·0	1·9	20·1	2·1	20·0	1·7	20·6	2·6	21·9	3·3	20
21	18·7	2·7	19·0	2·0	20·9	1·9	21·9	1·8	19·7	1·9	19·8	1·3	19 1	1·9	21·7	2·8	21
22	18·2	1·9	18.9	2·3	20·5	1·4	21·7	1·6	19·2	1·7	19 5	1·4	18·2	1·6	21·0	2·2	22
23	18·3	1·6	18·9	2·2	20·0	1·2	21·3	1·3	18·9	1·9	19 7	1.5	17·5	1.5	21.0	2·9	23

Day. / Hour.	9d. Air.	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air	16d. Excess of Air over Evap.	Day. / Hour.
Midnight	21·0	2·8	19·7	2·5	16·7	3·7	15·5	2·7	15·5	2·4	19·1	3·5	16·1	2·1	19.4	1·9	Midnight
1h	20·7	2·4	19·6	2·5	15·1	2.3	14·2	2·2	14·7	2·1	19·0	3·8	16·4	2·3	19·1	1·4	1h
2	19·1	1·5	19·3	2·2	14·0	2·2	15·0	2·4	14·1	1·9	19·1	4·1	18·0	3·0	19·1	1.4	2
3	19·9	2·0	19·1	2·1	13·8	1·7	14·9	2·8	14·7	1·8	19·2	4·5	18·7	3·1	19·3	2·0	3
4	19·9	1·9	19·0	2·1	15·8	2·8	15·4	2·4	15·0	1·8	19·0	4·8	18·2	4·9	18·9	1·9	4
5	19·9	1·9	19·2	2·4	15·1	2·1	16·4	2·6	15·9	2·6	19·0	3·9	18·9	3·8	18·7	1·5	5
6	19·9	1·8	19·1	2·5	14·8	2·1	15·6	2.1	15·0	2·0	18·9	4·7	18·9	3·5	18·3	0·8	6
7	20·9	2·6	19·8	3·1	17·2	2·8	17·0	2·3	14·4	1·9	18·8	4·6	19·0	3·0	18·5	0·7	7
8	22·5	3·4	21·2	3·9	19·0	3·2	20 3	3·8	18·2	3·4	21·1	5·5	20·0	3·8	19.0	1·2	8
9	23·2	3·9	22·1	4·5	20·1	5·0	21·0	4·9	21·0	5·4	22·5	6·5	20·6	3·2	19·7	0·4	9
10	23·3	4·1	23·9	5·9	22·1	5·2	21·0	3·9	21·2	4·9	22·0	5·7	23·2	5·4	22·3	3·2	10
11	23·6	4·6	24·7	6·7	23.4	8·3	22·5	5·4	22·3	5·8	22·1	6 0	24·3	6·3	23·9	4·7	11
Noon	23·8	4·8	25·7	6·7	23·7	8·0	21·9	3·8	19·8	2.7	23·6	6·6	23·5	5·4	24·5	5·3	Noon
13h	24·3	5·2	24·4	6·9	23·6	8·0	22·2	4·4	22·0	4·8	23·0	6.9	23·1	5·3	23·4	3·9	13h
14	23·9	5·0	25.0	7·4	23.9	8·7	22·1	5·1	21·1	3.9	23·8	7·3	23·0	4·8	23·8	4·6	14
15	23·1	4·3	23·1	5·3	23·1	7·6	22·2	5·1	21·9	4·6	22·5	6·3	22·6	4·4	23·6	4·4	15
16	22·1	4·0	22·9	5·7	22·1	6.1	21 8	5·6	21·0	4·0	22·0	6·0	21.8	4·0	23·3	4 5	16
17	21·5	3·7	21·2	5·1	20·8	5·7	20·8	4·7	20·8	4·6	21·3	5·3	21·3	3·8	22·4	4·2	17
18	20·5	3·5	20·0	3 9	19·6	5·0	19·2	3·4	19·1	2·4	20·8	5·2	21·1	3·1	21 0	3·4	18
19	20.1	3·1	18.9	2·9	18·3	4·3	18·5	3·2	18·8	3·1	19·2	3·9	20·5	2·6	20·1	2·8	19
20	20·0	2·9	18·7	3·7	17·8	4·1	18·3	3·3	18·3	2·6	18·2	3·3	20·2	2·8	19.7	2·7	20
21	20·1	3·0	18·6	4·1	17·0	3·4	18·8	3·2	18·9	3·2	17·7	3·1	20·0	2·8	18·3	2·2	21
22	20·0	2·8	18·2	4·1	16·2	3·1	18·1	3·1	19·0	3·2	17·6	3·0	19·7	2·6	18·9	2·6	22
23	20·0	2·8	17·8	3·9	15 9	2·9	17·1	3·2	19·0	3·4	17·2	2·7	19·3	2·2	18·9	2·7	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

SEPTEMBER 1936.

Day. / Hour.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
Midnight	18·3	2·2	18·9	3·0	19·0	2·1	19·0	2·1	18·7	2·1	18·2	1·8	18·7	2·0	19·1	2·1	Midnight
1h	18·6	2·5	18·5	3·0	18·8	2·3	18·7	2·4	18·3	1·7	18·4	2·2	18·7	1·9	19·1	2·1	1h
2	18·2	2·1	18·1	2·5	19·0	2·7	18·5	1·7	18·2	1·5	18·2	2·0	18·6	1·8	19·2	2·3	2
3	18·5	2·1	18·1	2·1	19·1	2·2	18·5	1·7	18·0	1·7	18·6	2·6	18·6	1·9	19·3	2·4	3
4	18·9	2·3	17·7	2·5	18·2	1·6	18·3	1·4	18·1	1·8	17·9	2·3	18·4	2·2	19·0	2·3	4
5	19·0	2·2	18·1	2·5	18·1	1·7	18·1	1·7	18·1	1·9	17·8	2·5	18·5	2·3	19·0	2·2	5
6	19·1	2·4	18·8	2·8	18·0	1·7	17·4	1·4	18·1	2·0	17·7	1·8	18·6	2·3	18·7	2·4	6
7	19·5	2·5	19·2	2·5	19·7	2·5	18·3	1·7	19·8	2·8	18·7	2·6	18·8	2·0	20·0	2·7	7
8	20·4	2·6	20·9	3·7	21·2	3·2	21·2	3·4	21·3	3·5	21·0	3·7	21·2	3·2	21·7	3·7	8
9	20·9	3·0	22·0	4·8	22·6	4·5	22·3	4·3	22·2	4·3	22·2	4·8	22·0	3·9	22.7	4·6	9
10	21·7	4·0	22·4	5·5	23·0	4·9	23·0	4·9	23·3	5·4	23·2	6·1	23·3	4·7	24·3	5·3	10
11	23·0	5·0	23·9	6·7	23·6	5·3	22·5	3·6	23·0	5·3	23·9	6·6	23·2	4·5	25·2	6·0	11
Noon	22·9	5·1	23·8	6·6	24·8	6·6	23·9	5·8	23·8	5·7	24·1	6·6	23·8	5·9	25·2	6·2	Noon
13h	23·1	4·9	23·9	6·7	23·2	5·1	23·9	5.8	23·6	5·0	23·9	6·5	23·8	6·0	25·0	6·0	13h
14	21·0	4·0	23·5	6·3	24·0	5·4	22·1	3·1	23·5	5·4	22·8	5·7	24·8	6·8	24·3	5·0	14
15	22·1	4·9	23·2	6·0	22·3	3·2	21·3	3·2	23·2	5·0	22·5	5·3	24·5	6·5	24·7	5·4	15
16	22·0	5·0	22·2	5·2	20·6	1·9	20·9	2·7	22.8	5·1	22·9	5·1	23·8	6·0	23·1	4·0	16
17	21.4	4·9	21·8	4·8	20·1	1·8	20·7	2·6	21·0	3·8	21·7	4·6	22·1	4·3	22·7	3·5	17
18	20·0	3·9	20·7	3·7	19·3	1·3	19·9	2·1	18·8	1·8	20·0	3·0	21·2	3·9	21·1	2·0	18
19	19·6	3·6	20·1	3·2	18·9	1·7	19·4	2·1	18·1	2·0	19·3	2·7	20·2	3·0	20·9	1·8	19
20	19·7	3·6	19·7	3·1	19·0	1·8	19·1	2·0	18.2	1·5	19·2	3·0	19·9	2·9	20·2	1·3	20
21	19·6	3·4	19·6	3·4	19·0	1·9	19·0	2·1	18·1	1·3	19·1	2·2	19·6	2·6	20·1	1·1	21
22	19·7	3·4	19·3	2·9	19·0	2·1	18·6	1·9	18·1	1·2	18·9	2·2	19·3	2·4	19·6	0·6	22
23	19·2	3·0	19·2	2·5	19·3	2·1	18·8	2·1	18·2	1·4	18·8	2·0	19·0	2·3	19·8	0·8	23

Day. / Hour.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	... Air.	... Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour.
Midnight	19·8	1·1	19·9	1·8	18·8	3·6	20·1	1·4	19·2	2·1	20·1	1·3	...	...	18·7	2·1	Midnight
1h	19·2	1·1	19·9	1·8	18·8	3·2	19·3	1·0	18·2	1.2	20·0	1·1	...	...	18·3	1·9	1h
2	19·0	1·3	19·7	1·4	19.2	2·9	19·3	1·1	18·6	1·3	20·0	1·1	...	...	18·2	1·9	2
3	19.1	1·5	19·3	1·1	18·9	2·6	19·1	1·0	18·7	1·6	20·0	1·3	...	...	18·2	1·9	3
4	19·0	1·7	19·2	1·1	19·0	2·4	18·7	0·8	19·0	1·8	20·0	1·1	...	...	18·1	1·9	4
5	18·9	2·2	18·6	1.0	18·6	2·3	18·3	0·9	19·0	1·7	20·0	1·2	...	...	18·2	1·9	5
6	18·6	2·4	18·9	1·3	18·8	2·6	18·5	1·3	19·1	1·6	20·0	1·1	...	...	18.1	2·0	6
7	20·1	3·1	20·1	1·5	20·2	3·2	19·8	2·5	20·5	2·4	20·8	1·7	...	...	19·0	2·3	7
8	21·7	4·0	21·0	1·8	22·0	4·8	21.5	3·8	22·0	3·5	22·8	2·9	...	...	21·1	3·3	8
9	21·7	4·6	21·4	2·5	23·1	6·1	22·3	4·9	22·8	3·7	24·0	4·1	...	...	22·2	4·3	9
10	23·4	5·4	21·0	2·0	23·7	5·9	23·1	4·9	23·5	4·3	24·0	4·2	...	...	23·1	4·9	10
11	24·5	5·9	23·2	4·7	24·1	6·8	23·0	4·5	24·0	5·0	25·0	5.0	...	...	23·8	5·5	11
Noon	25·2	6·4	24·2	5·2	24·2	6·6	24·1	5·9	24·3	4·9	25·2	5·1	...	...	24·3	5·8	Noon
13h	24·3	5·7	24·1	5·2	24·1	7·0	24·1	6·3	24·8	5·4	25·4	5·2	...	...	24·1	5·7	13h
14	24·1	5·6	24·2	6·0	24·1	6·0	24·3	6·3	24·5	4·9	24·8	4·8	...	...	24·0	5·6	14
15	24.2	5·6	23·8	5·7	23·9	5·8	23·9	5·9	24·1	4·9	23·7	3·7	...	...	23·6	5·1	15
16	23·1	4·6	23·2	5·8	23·0	4·8	23·1	5·4	23·3	4·3	22·1	2·4	...	...	22·9	4·7	16
17	21·2	3·1	21·9	4·7	22·0	3·8	22·0	4·4	22·7	3·8	22·1	2.7	...	...	22·0	4·2	17
18	20·9	2·8	20·7	4·0	21·0	2.9	21·0	4·0	21.4	2·6	20·6	1·8	...	...	20.8	3·2	18
19	20·1	2·3	20·0	3·7	20·4	2·3	20·0	3·0	21·0	2·3	19·9	1.3	...	...	20·0	2·7	19
20	20·1	2·3	19·8	3.7	20·8	2·1	20·1	2·9	20·8	2·2	20·2	1·6	...	...	19·7	2·5	20
21	20·2	2·2	19·7	3.7	20·1	1·4	20·2	2·9	20·8	2·1	20·0	1·5	...	...	19·5	2·4	21
22	19·8	1·8	19·2	3·2	20·3	1·7	19·2	1·9	20·03	1·6	20·2	1·5	...	...	19·2	2·2	22
23	20·0	1·8	19·0	3·3	20·6	2·0	19·0	1·9	20·1	1.5	20·2	1·3	...	...	19·1	2·2	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during SEPTEMBER 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

SEPTEMBER 1936.

Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d. *		8d. *		9d.		10d.		11d.		12d.		13d.		14d.		15d. *		16d.	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	09	3·8	11	1·8	10	3·5	10	1·8	07	1·6	09	1·6	11	1·7	10	2·0	13	3·1	13	4·5	13	3·4	16	2·1	14	2·4	13	1·8	12	2·4	14	2·0
1h	12	4·0	05	2·1	10	2·4	10	1·8	07	0·9	09	1·1	11	1·9	11	1·3	13	1·2	13	4·5	14	1·7	16	1·4	14	2·0	13	2·2	12	1·9	12	2·0
2	11	2·7	07	1·3	10	2·0	10	1·5	07	1·1	09	1·1	11	1·5	11	1·4	13	2·2	13	4·7	14	1·9	16	1·9	14	1·4	14	3·6	15	1·8	12	1·0
3	12	2·7	11	2·1	10	1·8	09	1·3	07	1·1	09	1·1	11	1·1	11	1·6	15	2·4	13	3·4	14	2·1	16	2·0	14	1·0	13	3·2	10	2·2	12	2·2
4	12	3·2	11	3·4	06	1·1	09	0·6	07	1·6	09	1·4	11	1·8	11	1·2	13	3·1	13	3·6	14	2·9	16	2·0	14	1·2	13	3·9	07	1·1	12	2·7
5	11	2·8	10	3·1	03	0·7	09	1·1	08	1·1	09	1·2	11	1·5	11	1·5	12	2·1	13	4·2	14	1·1	14	1·8	14	1·4	12	4·7	13	2·3	11	3·9
6	11	3·1	12	3·4	03	1·3	10	1·1	08	1·8	09	1·4	11	1·4	11	1·3	11	2·8	13	4·6	13	0·9	14	2·1	14	1·4	12	4·7	13	0·7	11	2·4
7	11	3·3	12	2·1	d13	1·1	09	1·2	08	2·0	09	1·5	13	2·5	11	1·1	12	3·5	13	4·2	14	2·6	14	1·5	14	1·7	12	4·2	09	0·6	08	2·9
8	10	4·6	10	3·6	r03	1·9	08	2·6	07	3·1	10	2·9	12	2·4	11	0·6	12	5·5	13	5·3	14	1·8	12	3·2	14	0·9	12	4·1	09	1·3	09	4·8
9	09	6·4	08	5·3	08	3·3	07	4·1	06	3·1	10	3·4	11	2·1	11	1·1	12	5·8	13	4·9	13	5·7	11	5·3	10	3·8	13	3·3	02	1·9	09	4·9
10	10	5·3	09	5·4	06	4·0	06	4·2	07	5·7	08	4·1	07	1·1	08	1·3	12	6·3	13	5·1	14	5·6	11	5·0	11	3·4	11	3·7	d14	1·1	07	6·0
11	11	5·5	08	5·0	06	4·4	08	4·7	05	4·8	10	4·1	12	1·1	r31	1·4	12	6·8	13	5·4	12	5·3	10	5·8	12	4·0	11	3·6	r04	1·6	09	6·6
Noon	10	5·9	07	5·1	08	4·4	07	4·8	05	5·0	10	4·5	d01	3·5	29	3·1	13	7·3	13	4·4	14	6·7	12	6·5	11	4·4	11	4·1	31	1·9	09	6·6
13h	08	5·7	08	5·7	06	4·5	08	4·8	05	5·3	08	5·0	07	3·5	24	3·3	13	7·5	12	5·9	13	5·9	12	5·9	12	5·1	10	4·2	25	2·8	11	5·7
14	12	5·6	05	5·2	06	4·4	06	5·1	05	4·9	06	5·1	07	3·5	27	3·0	12	7·1	13	7·2	13	7·4	12	7·1	10	4·8	10	4·4	21	2·5	10	6·4
15	09	5·9	07	4·9	07	3·7	06	5·3	06	4·5	08	5·1	r31	3·2	28	2·5	13	7·8	13	7·2	14	6·5	12	7·5	11	4·9	10	4·2	22	2·5	12	6·2
16	10	5·0	09	4·6	07	5·4	07	5·0	07	4·7	08	4·4	24	3·2	01	1·9	13	7·7	13	7·6	13	8·0	12	6·9	10	4·7	10	4·0	21	1·4	10	6·1
17	09	4·4	08	5·3	07	3·4	07	4·3	08	4·7	08	4·4	d18	2·1	11	2·0	13	7·8	12	6·9	13	7·4	12	6·4	10	4·6	10	3·2	r11	0·9	10	5·7
18	11	4·0	09	4·2	08	2·8	07	3·7	09	3·8	08	3·1	r10	2·0	d13	3·6	13	7·3	12	4·9	13	5·7	13	5·1	08	3·4	11	3·2	12	1·4	12	5·4
19	11	3·5	09	3·1	09	3·0	07	2·7	09	2·9	08	2·0	10	1·8	13	3·0	12	6·3	13	2·8	13	3·7	12	5·0	11	3·4	12	2·5	12	0·9	12	3·7
20	12	3·0	10	4·0	09	1·6	07	2·2	09	2·6	08	1·7	10	1·4	15	1·3	12	5·3	13	4·0	13	2·8	12	4·3	13	4·2	12	2·0	12	1·8	12	2·6
21	12	2·0	10	3·1	09	2·0	07	2·2	09	1·3	08	1·6	10	1·1	15	0·7	13	4·8	13	5·4	13	1·4	13	2·4	13	3·2	12	1·5	16	1·9	12	1·8
22	11	2·5	09	3·9	07	1·8	07	2·1	09	0·9	11	1·4	10	1·5	15	1·5	12	4·3	13	5·1	16	2·1	14	2·5	13	1·9	12	2·7	15	1·0	12	2·7
23	11	2·5	10	3·9	08	2·0	07	1·9	09	0·8	11	1·6	10	1·4	13	1·4	12	4·4	13	4·1	16	1·8	14	3·0	13	2·3	12	2·2	15	0·7	12	2·9

Hour.	17d.		18d.		19d.		20d.		21d		22d.		23d.		24d.		25d.		26d.		27d.		28d.		29d.		30d.		...		Mean Velocity
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	
Midnight	10	3·4	11	4·4	11	3·3	12	4·0	10	3·5	12	3·5	11	3·9	12	2·0	11	2·7	12	4·7	12	4·3	10	7·1	11	4·4	11	4·4	...	...	3·2
1h	10	3·5	11	3·5	11	2·9	11	3·1	10	4·0	10	3·7	11	4·3	12	2·1	11	2·5	12	4·5	12	3·2	12	6·1	12	4·8	10	4·5	...	...	2·8
2	11	2·7	11	2·7	13	4·0	12	3·4	10	3·9	11	4·2	11	3·6	12	4·1	11	2·9	11	4·5	14	3·5	11	5·4	12	3·6	11	4·3	...	...	2·8
3	11	2·1	12	2·8	12	3·9	12	3·3	11	3·1	11	6·3	12	2·9	11	4·8	11	3·3	12	4·1	13	3·7	12	6·7	11	3·9	11	4·3	...	...	2·9
4	10	3·6	11	3·2	12	2·2	11	3·3	11	3·0	12	4·4	11	3·8	12	3·0	10	4·4	11	3·8	13	3·3	10	7·4	11	4·1	11	3·4	...	...	2·9
5	10	2·7	12	3·4	11	2·0	12	2·7	12	3·6	12	4·3	11	4·1	13	2·3	12	4·1	11	4·5	13	2·8	10	6·6	11	3·5	11	4·3	...	...	2·9
6	10	3·5	13	4·4	11	2·1	12	2·4	12	2·9	12	3·8	09	4·3	12	4·7	11	3·7	11	4·8	12	2·7	11	6·3	10	3·6	11	4·0	...	...	2·9
7	10	3·1	12	4·1	11	3·5	12	2·0	12	3·3	12	4·4	11	3·5	13	3·0	12	3·7	12	4·8	12	3·6	10	6·4	10	3·8	10	4·3	...	...	3·0
8	10	4·8	12	5·9	11	6·2	09	4·4	12	4·2	09	5·7	12	4·5	13	5·4	11	4·0	09	5·6	11	6·3	11	6·8	11	5·7	12	5·4	...	...	4·1
9	11	6·4	10	5·9	12	5·8	11	4·9	11	4·4	11	5·6	10	6·2	13	4·3	11	5·3	11	6·0	12	6·8	10	7·8	11	5·9	11	6·9	...	...	4·9
10	11	6·5	12	6·6	09	7·1	12	4·8	10	5·2	10	6·8	10	6·5	12	6·2	10	6·2	12	6·0	12	7·4	11	7·2	09	6·8	10	6·9	...	...	5·3
11	12	7·8	10	7·4	12	7·2	11	4·9	10	5·4	11	6·1	09	6·3	12	5·8	10	5·4	11	7·4	13	7·8	12	7·7	08	7·1	10	6·7	...	...	5·4
Noon	12	7·3	09	7·4	10	6·4	11	5·3	10	5·9	11	7·3	09	6·4	13	5·4	12	5·8	12	8·7	13	8·3	12	7·8	09	6·9	12	7·8	...	...	5·8
13h	10	8·1	10	7·9	11	7·0	10	6·0	09	6·9	10	7·0	07	6·8	12	5·7	10	6·2	12	7·6	11	8·0	09	7·1	09	7·0	12	6·5	...	...	6·0
14	09	7·2	11	8·7	10	6·2	10	4·8	10	6·6	12	7·7	08	6·5	11	5·6	11	6·3	10	7·4	12	8·6	10	7·9	09	7·2	11	7·4	...	...	6·1
15	11	6·8	11	7·8	09	6·3	11	4·6	09	6·8	12	7·2	08	6·4	11	5·0	12	6·8	12	8·5	13	9·6	10	9·1	09	7·3	12	7·3	...	...	6·0
16	11	7·3	10	7·8	11	6·2	10	3·9	10	6·3	12	5·8	09	6·5	10	4·9	12	5·8	12	8·3	12	8·2	10	6·4	10	7·5	12	5·9	...	...	5·7
17	12	7·7	11	6·9	12	5·4	10	4·6	10	6·1	12	5·5	10	5·6	11	5·3	12	5·0	12	5·9	11	7·0	10	5·8	11	6·9	12	5·9	...	...	5·2
18	12	5·8	12	6·0	11	4·0	11	4·1	10	5·0	12	4·4	11	5·0	10	4·1	12	3·8	12	4·3	10	5·9	11	5·3	09	6·0	12	5·3	...	...	4·4
19	12	5·0	12	4·5	11	4·2	11	3·4	12	4·9	12	4·4	11	3·2	10	3·8	12	3·5	12	3·7	11	5·3	11	3·4	11	5·4	12	5·9	...	...	3·7
20	12	5·5	10	3·7	11	3·8	11	4·0	10	3·6	11	4·1	11	3·0	10	3·7	12	3·0	12	3·0	11	5·2	10	3·7	11	4·5	11	4·3	...	...	3·3
21	12	5·3	11	4·4	11	4·3	11	3·4	11	5·4	12	4·3	11	2·8	10	3·1	12	4·6	13	2·2	10	5·5	11	4·1	12	5·2	12	6·3	...	...	3·2
22	11	5·1	11	3·5	11	3·4	11	3·0	12	4·9	12	4·9	12	3·5	07	3·1	12	2·8	11	1·3	10	6·2	11	4·6	10	4·6	10	4·2	...	...	3·1
23	12	5·0	11	3·8	10	4·3	10	4·3	11	5·0	12	3·4	11	2·5	10	1·4	12	4·0	11	4·1	10	6·1	11	4·3	10	4·2	12	4·9	...	...	3·2

TABLE XIII,—WIND FREQUENCY (NUMBER OF OBSERVATIONS), SEPTEMBER 1936.

	Force (0–12)			Direction															
Hour	8 or above	4 to 7	0 to 3	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W.	W.S.W.	W.	W.N.W.	N.W.	N.N.W.
3	...	2	28	...	...	...	...	3	2	22	2	1	...	...	...	...	...	...	...
9	...	13	17	...	1	...	1	5	6	17	...	...	...	...	...	...	...	...	...
15	...	18	12	...	...	...	2	8	2	14	1	...	...	1	1	...	1	...	...
21	...	2	28	...	...	...	...	4	4	20	...	2	...	...	...	...	...	...	...
Totals	...			...	1	...	3	20	14	73	3	3	...	1	1	...	1	...	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for SEPTEMBER 1936.

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	...
	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	mm	mm
1h	0·4	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·1	...	...
2	0.1	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...
3	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	0·5	...	0·7	0·2	...	...
4	...	0·1	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	0·1	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	0·3	...	2·1	...	0·1	...
6	...	...	...	...	0·1	...	...	0·1	...	...	...	...	...	...	...	0·2	...	...	...	...	...	0·2	...	...	...	0·1	...	0·2	...	...	...
7	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·1	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	0·1	0.1	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·4	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·2	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	0·1	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	0·1	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	0·1	...	...	0·1	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	5·8	...	...	0·1	0·2	...	...	...
23	0·1	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	2·9	...	...	0·1	0·8	...	...	...
24	0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION VACOAS FOR SEPTEMBER 1936.

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	...
	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	mm	mm
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·3	...	1·3	1·1	...	...
2	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	0·8	0·6	...	...	0·4	...	3·4	1·0	...	...
3	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	0·3	...	0·1	0·3	0·2	...	...	2·0	0·3	1·9	2·8	...	...
4	0·2	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	0·6	...	...	0·1	0.3	0·2	...	...	0·5	0·8	11·0	0·4	...	...
5	...	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·4	...	...	...	...	0·2	...	...	...	0·7	0·2	2·5	0·3	1·0	...
6	...	0·6	...	...	...	0·1	0·1	...	...	...	...	...	...	0·1	...	0·2	0·4	...	...	...	...	...	...	...	...	0·6	0·1	2·6	0·4	...	...
7	0·6	...	...	...	...	...	...	...	0·2	...	0·4	0·1	...	...	...	0·2	...	0·2	...	...	...	0·6	...	...	...	1·5	...	0·8	0·4	...	...
8	...	...	...	...	...	...	0·1	...	0·1	...	...	...	...	...	...	0·2	...	...	...	...	...	...	0·4	...	0·2	1·6	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	0·1	0·1	...	0·3	...	...	0.9	...	0·2	0·3	...	...
10	...	...	...	...	...	...	...	...	...	...	...	0·3	0·3	...	...	0·3	0·1	...	...	...	...	...	...	...	...	5·3	...	...	0·4	...	...
11	0·5	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	0·2	...	...	...	...	...	...	...	...	0·7	...	...	0·9	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	...	...	...	...	...	...	0·8	...	...	...	...	...	0·3	...	...
13h	...	...	...	...	...	...	...	...	0·2	...	...	1·2	0·3	...	...	...	0·8	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...
14	0·3	...	...	...	...	...	...	...	...	...	...	0·2	0·1	...	...	...	0·2	...	0·3	...	...	0·5	0·4	...	1·8	...	...	...	0·6	...	...
15	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	...	0·7	0·2	...	...	0·2	...	...	...	0·5	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	1·3	0·8	...	...	...	...	0·5	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...	1·1	0·3	...	...	...	...	0·6	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	...	...	0·2	...	...	0·6	...	0·2	...	...	...	...
19	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	1·8	...	0·2	0·3	...	...	0·5	...	0·1	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	0·3	...	...	0·4	...	0·1	0·1	0·2	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	0·9	...	...	...	1·6	...	0·4	...	0·2	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	2·0	0·4	...	7·0	1·1	...	0·8	0·3	0·3	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	0·5	...	...	...	...	...	1·0	0·8	...	...	0·9	...	2·2	0·2	0·7	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	0·9	...	2·6	0·7	...	...	1·0	...	4·0	...	0·8	...	...

TABLE XV—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF SEPTEMBER 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	1·18	30·0	1·03	9
	St. Antoine	50	1·17	29·7	1·17	6
	Belmont	50	1·48	37·6	1·15	7
	Poudre d'Or	20	1·56	39·6	1·24	7
	Mon Loisir S. E.	300	1·30	32·9	1·85	7
	Forbach	300	1·32	33·5	1·20	7
	Couroupa...	...	1·20	30·4	1·36	8
	* Labourdonnais	290	1·06	27·0	1·61	7
	Mapou (Water Office) ...	...	0·99	25·1	...	4
	Beau Séjour	300	1·34	34·0	2·20	14
	Mont Piton	650	1·20	30·5	2.27	10
	Mon Choix	700	1·33	33·8	1·84	10
	Antoinette	640	2 07	52·6	2·19	14
	Mon Songe	620	2·27	51·7	2·49	14
	Botanical Gardens... ...	325	1·70	43·2	1·78	18
	* The Observatory	179	1·09	27·6	1·40	19
	Solitude	175	0·75	19·1	0·86	4
	St. André (Cour)	90	0·50	12·7	1·11	2
	La Nicolière	...	2·53	64·3	3·28	11
	California	...	2·37	60·2	2·42	8
	Australia	...	2·90	73·7	...	13
2 & 3	Union Régnard S.E.(Flacq)...	600	2·59	65·3	2·63	16
	Constance d'Arifat L.G. ...	100	1·57	39·9	1·69	17
	Rich Fund	600	2·04	51·8	2·67	11
	La Joffrette	...	2·99	75·9	...	13
	Belle Vue (Allendy) ...	...	2·08	52·8	2·69	17
4	Sans Souci	900	10·60	269·2	5·83	25
	Beau Champ (G.R.S.E.) ..	20	1·38	35·1	1·71	15
	Olivia	400	2·70	68·6	3·15	20
	Trois Ilots	...	1·96	49·8	...	18
	Belle Rive	400	4·29	109·0	4·13	22
	Sébastopol	700	7·19	182·6	...	22
	Bonne Veine	400	6·33	160·8	5·26	23
5	Rose Belle	850	6·46	164·1	5·98	23
	New Grove	650	7·53	191·3	...	20
	Mon Trésor	...	2·81	71·4	...	13
	Mon Désert (Carié) ...	75	3·07	78·0	1·53	15
	Ferney	20	3·15	80·0	2·60	12
	Sauve Terre	...	2·55	64·8	...	14
6	Tivoli	1,300	8·45	214·6	5·81	25
	La Flora...	1,050	6·49	164·8	5·38	25
	Riche Bois (Brit.) ...	650	3·29	83·6	3·78	19
	Britannia (Estate) ...	700	4·54	115·3	4·03	21
	Savannah (Mill) ...	200	2·35	59·7	1·96	12
	St. Aubin	300	2·75	69·9	2·70	14
	St. Avold	900	4·81	122·2	4·61	22
	Colmar	400	4.72	119·9	3·03	18
	Union S. E.	...	3·66	93·0	2·23	11
	Fontenelle	320	4·79	121·7	2·95	12
	Choisy	200	3·36	85·3	2·80	17
	Beau Bois	...	4·34	110·2	3·82	17
	Bel Air	...	3 00	76·2	1·88	9
	St. Félix	...	2·66	67·6	...	6
7,8,9&10	Bel Ombre	40	2·92	74·2	1·93	14
	Beau Champ (B.du Cap)	70	3·68	93·5	2·00	14
	Frélérica	...	5·07	128·8	2·36	14
	Pierre Fond	...	1·20	30·5	1·01	13
	Ste. Marie	...	5·24	133·1	...	16
	Hussonia Limited ..	..	0·04	1·0	...	1
11	Curepipe Gardens ...	1,840	9·40	238·8	5·60	28
	Mare aux Vacoas (G.E.)	1,850	8·92	226·6	7·13	24
	Mare aux Vacoas (Arn.)	1,830	10·83	275·1	7·14	24
	La Marie Filter Bed ..	1,700	6·17	156·7	4·10	21
	* Sophie	...	9·81	249·2	...	22
	Réunion	1,420	4·55	115·6	3·53	19
	* Aerological Station ...	1,393	4·79	121·6	3·40	25
	Phœnix	...	2·12	53·8	2·70	8
	Quatre Bornes... ...	...	2·22	56·4	...	7
12	Quatre Bornes (Board) ...	1,090	2·24	56·9	...	11
	* Le Réduit (D. of A.) ...	1,000	1·93	49·0	1·50	24
	Alma...	1,460	6·55	166·4	4·73	20
	Bagatelle	1,250	4·55	115·6	2·69	17
	Highlands	1,300	5·00	127·0	3·09	17
	Trianon	950	2·17	55·1	1·70	9
	Val Ory	1,100	1·37	34·7	1·75	11
	Bassin	...	1·15	29·2	1·35	9
	Hermitage	1,450	9·60	243·8	4·70	17
	Ebene	...	1·82	46·2	...	11
	Bega...	...	1·10	27 9	...	10
	Mon Rêve	...	2·30	58·4	...	11
	Mont Pevril	...	2·24	56·9	...	11
	Minissy	1,150	2·43	61·7	2·05	11
	Plaisance	...	3·23	82·0	...	6
	La Ferme	350	0·19	4·8	0·75	4

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of SEPTEMBER 1936.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	11½	105	17·2*	110	16·4*	...	..	...	...	...	...	...	...
2	...	.	...	...	...	...	...	...	...	...	..	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	..	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	.	...	...	...	...	...	...	...	...	...
7	..	...	...	...	...	...	...	...	...	...	...	...	...
8	11¾	...	..	173	12·5*	.	...	...	...	...	...	328	2·9
9	11¾	135	31·2	..	...	270	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	..	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	..	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	11¼	90	16·9	105	8·1	...	...	...	...	...	...	...	...
19	...	...	...	...	...	..	...	...	...	...	...	...	...
20	...	...	...	..	...	...	...	...	...	...	...	...	...
21	11½	120	10·6	105	7·6	...	...	...	...	...	...	...	...
22	...	...	...	...	..	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	..	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	..	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	.	...	...	...	...	...	...	...	...	...	...
30	11½	105	11·2*	115	17·6*	...	...	...	...	...	...	...	...

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	14¼	100	11·1	108	8·2*	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	..	...	...	...	...
4	14½	60	...	60	6·0	330	...	...	...	...	...	...	...
5	14	92	8·9*	97	13·8*	...	...	...	...	...	...	...	...
6	14¼	120	6·9*	120	1·6*	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	15	...	...	...	...	...	...	...	..	...	...	330	...
9	...	...	...	...	...	...	...	..	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	14¼	...	...	180	4·7*	...	...	...	...	...	...	...	...
12	14¼	142	13·2*	130	11·9*	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	14¼	...	...	222	3·4*	...	...	...	...	...	...	. .	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	14¼	100	14·9*	105	12·3*	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	..	...	...
18	14¼	113	7·2	120	13·6*	...	...	...	...	...	...	...	...
19	14¼	105	14·3	105	13·2*	...	...	...	...	...	...	...	..
20	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	..	...	...	...	...	...	...	..	...	...
22	14¼	123	9·8*	120	8·2*	...	...	...	...	75	1·8*	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	..	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	..	...	...	...
27	14¼	120	26·2*	118	21·1*	...	...	...	...	...	...	...	...
28	14¼	120	12·9*	142	5·6*	...	...	...	...	...	...	..	...
29	14¼	120	7·2*	120	5·8*	...	...	...	...	...	...	...	...
30	14¼	105	30·0*	98	20·5*	...	...	...	...	...	...	...	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec

* Observatory Pamplemousses.

157/6/37- R.A.O. 250

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

OCTOBER, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

Published by Authority of His Excellency the Governor

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1937

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF OCTOBER, 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	H Rg × 10000	Z Rg × 10000
OCT.	° ′			′				
1	13°14·4	·22494	·29711	6·0	34	36	76	107
2	13·8	504	709	10·2	67	38	151	113
3	13·8	508	711	14·5	48	42	108	125
4	13·6	518	713	12·0	49	34	110	101
5	13·9	508	710	23·0	52	34	117	101
6	14·0	483	716	10·8	30	34	67	101
7	15·4	488	710	13·5	26	50	59	148
8	13·7	484	712	9·6	25	38	56	113
9	14·7	491	714	10·5	65	28	146	83
10	13·5	472	724	6.3	72	15	162	44
11	14·1	486	714	11·2	52	39	117	116
12	14·9	486	711	9·5	82	32	184	95
13	14·9	507	707	11·5	48	47	108	140
14	14·8	495	709	11·5	74	34	167	101
15	14·8	499	712	9·8	40	38	90	113
16	15·2	484	708	10·7	90	38	202	113
17	15·3	455	719	5·5	61	28	137	83
18	15·5	481	715	10·5	39	18	88	53
19	14·5	485	710	10·8	40	25	90	74
20	15·6	481	711	9·0	42	31	94	92
21	15·1	484	709	11·3	34	30	76	89
22	15·2	500	706	9·2	30	28	67	83
23	15·4	503	703	7·7	34	39	76	116
24	15·9	491	707	11·0	35	36	79	107
25	15·6	485	711	7·5	65	19	146	56
26	15·2	488	708	9·3	32	30	72	89
27	15·2	496	708	9·7	39	31	88	92
28	15·3	500	706	10·5	31	37	70	110
29	14·9	509	704	12·0	86	42	193	125
30	15·6	501	707	10·0	34	27	76	80
31	14·6	487	710	13·5	157	42	353	125
Mean	13°14·79	·22492	·29710	10·26	52·0	33·5	116·9	99·6

T=·37264 : Mean Dip=53° 52·33′ : (X=·21893 : Y=−·05154 : Z=·29710).

† The daily range is the difference between the greatest and least hourly values.

Description of the Principal Magnetic Disturbances.

Declination.—Very slightly disturbed on 9d. and 10d.
16d. and 17d. Slightly disturbed. Irregular fluctuations of small amplitudes on the trace.
31d. Slightly disturbed.

Horizontal Force.— 9d. Sudden commencement at $11^h\ 30^m$ of a slightly disturbed period. This lasts throughout 10d. and 11d.
16d. $19^h\ 00^m$. Sudden commencement of a moderately disturbed period lasting until $18^d\ 15^h$. Large fluctuations in the trace at the beginning and during the first hours of 17d.
20d. $19^h\ 00^m$. Sudden positive wave of 22γ.
24d. Slightly disturbed in the beginning but very disturbed at end. Irregular oscillations in the trace between 20^h and 24^h.
25d. 9^h to 18^h small pulsations on the trace.
31d. $5^h\ 20^m$. Sudden commencement of a moderately disturbed period. Considerable increase in daily range.
Continuous small pulsation superposed on the trace.

Vertical Force.— 9d. and 10d Slightly disturbed.
16d. $19^h\ 00^m$. Sudden commencement of a moderately disturbed period ending during the latter part of 18d.
20d. $19^h\ 00^m$ Small positive wave.
24d. Moderately disturbed at end. Continuous pulsations on an abnormally fluctuating trace.
25d. Slightly disturbed.
31d. Slightly disturbed.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of OCTOBER 1936.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
d h m	° ′	d h m		d h m	° ′	
6·15.02	13·06·1	3· 9·05	·22518	6.14.52	52·53·25	·29709
13·14·26	13·09·1	7· 9·27	·22498	13·14·07	52·48·50	·29689
27·15·00	13·11·4	10· 9·01	·22507	27·14·47	52·50·75	·29698
		15· 9·24	·22508			
		17· 9·07	·22455			
		21· 9·16	·22487			
		24·10·57	·22541			
		28·11·51	·22499			

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

OCTOBER 1936.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	14·0	14·3	14·3	14·0	14·7	15·7	15·5	15·5	15·0	16·0	15·7	15·2	15·3	15·0	15·0	15·5	Midnight
1h	14·3	14·5	14·5	14·3	15·0	15·5	15·5	15·0	15·0	16·3	15·5	15·5	15·5	15·3	15·8	16·0	1h
2	14·0	14·0	14·5	14·3	14·5	15·0	15·5	15·3	14·5	15·7	15·5	15·7	15·7	15·5	15·5	15·7	2
3	14·3	14·0	14·7	14·5	14·5	15·3	14·7	15·0	14·7	15·7	15·5	16·0	15·7	15·7	15·7	14·7	3
4	14·5	14·0	14·7	14·7	14·7	15·0	14·7	15·0	14·7	15·5	16·0	16·2	16·0	16·0	16·5	15·5	4
5	14·0	14·5	15·0	15·0	15·0	15·0	15·0	14·7	15·0	15·0	16·0	16·0	16·0	16·0	16·5	16·0	5
6	13·7	13·7	15·0	14·2	15·3	14·5	15·0	14·5	15·5	14·0	15·7	15·5	15·7	16·0	16·0	16.5	6
7	14·0	14·5	16·5	15·0	16·5	14·3	17·0	15·5	17·0	13·5	16·0	16·5	17·5	18·0	16·0	19·0	7
8	16·0	16·0	18·7	16·5	18·7	16·5	19·5	14·7	19·0	14·0	17·5	18·5	19·7	19·5	16·7	10·0	8
9	17·0	17·3	20·0	18·0	19·5	17·0	22·5	17·3	20·0	13·7	18·7	19·3	20·5	20·0	18·3	20·7	9
10	18·0	18·4	20·0	18·0	19·0	17·5	23·0	17·0	20·0	13·5	18·2	19·5	20·5	19·0	19·5	20.5	10
11	18·0	17·5	17·0	16·5	17·0	17·3	21·5	15·0	18·0	11·5	15·0	18·0	18·0	17·0	18·0	20·0	11
Noon	16·5	14·0	11.0	13·0	13·0	15·5	18·0	12·5	15·0	11·0	12·0	14·3	14·0	14·0	14·0	15·7	Noon
13h	14·0	11·0	08·5	09·0	09·5	12·0	14·0	09·5	13·0	10·0	09·0	11·5	10·0	11·0	11·0	13·0	13h
14	12·7	08·2	05·5	06·0	06·5	07·0	11·0	08·0	11·5	10·0	07·5	10·0	09·0	09·0	09·7	10·0	14
15	12·0	08·3	07·0	07·5	06·7	06·7	09·7	07·7	09·5	10·7	08·3	10·0	09·5	08·5	10·0	10·0	15
16	12·5	10.5	09·0	09·5	08·0	09·0	09·5	08·5	10·0	11·0	10·0	11·5	11·0	10·5	11·0	10·5	16
17	13·3	12.7	12·0	12·5	11·0	12·0	11·0	11·0	12·0	12·0	12·3	13·0	13·5	13·5	13·0	12·0	17
18	13·5	13·5	13·3	13·7	13·0	13·5	13·0	13·0	13·5	13·0	13·3	13·7	13·7	13·7	14·0	13·7	18
19	13·5	13·5	13·5	13·7	13·5	13·8	14·0	14·0	12·3	13·7	13·3	13·5	12·7	13·8	14·0	13·7	19
20	13·7	13·7	13·7	14·0	13·7	14·5	14·3	14·5	13.0	14.0	13·5	13·7	14·0	14·0	14·5	14·0	20
21	13·7	14·3	14·2	14·3	13·7	14·7	15·0	14·7	14·0	14·7	14·0	14·3	14·0	15·0	14·7	16·5	21
22	13·7	14·0	14·0	14·2	13·5	15·0	15·3	15·0	15·0	15·0	14·5	14·5	14·7	14·7	15·0	16.5	22
23	14·5	14·3	14·0	14·5	15·5	15·0	15·5	15·3	14·0	15·3	15·0	14·7	15·0	15·0	15·0	17·7	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Hour \ Day
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	18·0	15·0	15·3	15·0	16·0	15·3	15·5	16·7	17.0	15·7	15·7	15·5	15·5	15·5	15·5	15·4	Midnight
1h	17·0	15·5	15·5	15·5	15·5	15·0	15·5	16·5	17·5	15·7	15·7	15·7	15·5	15·7	15·5	15·5	1h
2	18·5	15·5	15·7	15·5	15·3	15·0	15·5	16·0	16·3	15·7	15·7	15·7	15·7	16·0	15·7	15·5	2
3	14·7	16·0	16·0	15·7	15·0	15·3	15·7	16·5	15·0	15·8	15·7	15·7	16·0	16·0	16·0	15·4	3
4	16·0	16·5	16·3	16·0	15·3	15·5	16·0	16·3	16·3	16·0	16·0	16·3	16·0	16·5	16·5	15·7	4
5	17·0	17·0	16·5	15·0	15·5	16·0	16·0	16·2	16·5	16·3	16·5	16·5	16·0	17·0	17·0	15·8	5
6	15·0	17·0	17·0	14·7	16·3	16·7	16·5	16·5	17·7	16·5	17·5	16·7	17·0	17·5	18·0	15·9	6
7	15·0	18·0	17·5	16·0	18·5	17·5	17·3	18·0	19·0	18·0	19·5	19·0	19·5	20·0	19·5	17·1	7
8	15·5	19·2	18·0	18·5	19·5	18·5	18·0	19.0	19·3	19·5	20·0	20·5	20·5	20·7	19·3	18·0	8
9	17·0	20·3	18·3	20·0	20·0	19·5	19·0	20·0	19·5	19·3	19·5	20·0	19·5	20·0	18·5	19·0	9
10	18·3	20·5	18·0	20·0	19·5	19·5	19·0	19·5	18·7	18·7	18·0	18·7	17·5	17·5	16·5	18·8	10
11	16·0	18·0	16.0	18·5	18.0	18·0	17·0	18·0	17·0	16·0	16·5	16·0	15·0	15·0	13·7	16·9	11
Noon	14·7	15·0	13·0	15·3	12·0	15·5	15·0	15·5	15·0	13·7	13·0	13·5	13·0	12·5	12·0	13·9	Noon
13h	13·0	12·0	09·0	12·0	10·0	13·0	13·0	12·5	13·0	11·5	10·5	10·7	08·5	10·7	08·0	11·1	13h
14	13·0	10·0	07·5	11·0	08·7	10·5	11·5	09·3	12·5	10·0	10·3	10·0	09·0	11·5	06·0	09·4	14
15	13·0	11·0	08·0	11·5	10·0	10·3	11·3	09·0	12·0	11·0	11·0	11·0	10·5	13·0	08·3	09·8	15
16	14·0	13·0	09·5	12·7	12·0	12·0	12·5	10·5	12·0	12·0	12·5	12·7	12·0	14·5	11·0	11·1	16
17	15·0	14·0	12·5	14·5	14·0	14·0	14·0	13·0	13·0	14·3	14·0	14·5	13·0	15·7	15·0	13·1	17
18	14·0	14·5	14·0	15·0	14·5	14·3	14·3	14·3	13·5	14·7	14·0	14·5	14·0	15·0	16·0	13·9	18
19	14·3	14·3	14·3	16·0	14·7	14·5	14·3	14·5	14·3	14·2	14.0	14·7	14·7	14·5	14·5	14·0	19
20	14·7	14·5	14·3	16·3	15·0	14·5	14·2	16·0	14·5	14·2	14·0	14·5	15·0	14·5	14·7	14·3	20
21	15·0	15·0	14·5	16·5	15·3	14·7	14·5	18·5	14·7	14·5	14·5	14·5	14·5	15·0	15·3	14·8	21
22	15·0	15·0	15·0	16·7	15·5	15·3	15·5	20·5	15·3	15·0	15·0	15·0	15·0	15·0	15·5	15·1	22
23	15·0	15·0	15·5	16·5	15·7	15·5	17·0	19·5	15·5	15·7	15·5	15·3	15·3	15·3	15·7	15·4	23

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

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

OCTOBER 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour
	·22000 + (C.G.S. UNIT).																
Midnight	493	488	497	500	510	467	490	482	490	475	467	447	493	496	485	492	Midnight
1h	495	490	497	500	509	475	485	493	487	477	465	447	492	497	491	488	1h
2	496	492	500	501	513	481	483	492	485	475	469	446	495	499	494	490	2
3	497	499	502	501	505	475	497	491	487	480	470	445	497	500	500	505	3
4	493	500	504	501	507	477	493	485	490	481	470	447	497	500	510	500	4
5	497	499	506	500	511	482	492	486	491	495	473	445	499	501	498	495	5
6	497	498	507	503	507	482	494	489	492	500	477	445	500	500	497	497	6
7	490	497	504	520	509	485	495	485	495	505	477	448	503	501	503	500	7
8	488	497	510	527	515	483	495	485	498	494	482	504	510	502	504	496	8
9	487	505	520	535	523	483	494	478	502	503	490	517	522	503	508	497	9
10	499	520	527	541	527	487	488	474	513	505	502	526	535	512	515	495	10
11	515	537	532	549	525	483	495	482	517	497	510	527	534	520	522	491	11
Noon	517	553	538	548	523	491	502	480	525	488	517	525	537	525	523	492	Noon
13h	513	547	535	542	525	494	485	495	515	470	507	513	536	527	510	490	13h
14	508	532	527	533	523	497	481	494	520	460	500	505	530	520	500	491	14
15	495	520	516	527	520	480	477	487	515	453	495	502	520	510	499	491	15
16	488	500	507	517	517	482	476	482	483	451	486	502	510	502	498	487	16
17	485	491	498	513	510	490	483	481	472	440	482	500	501	487	495	489	17
18	485	487	495	511	516	487	487	477	467	433	490	492	500	467	490	488	18
19	488	490	493	511	504	486	485	470	460	437	492	489	497	453	483	485	19
20	489	486	490	512	500	478	480	470	462	445	488	490	494	453	484	485	20
21	489	491	491	510	487	483	482	476	467	453	490	492	490	455	489	450	21
22	487	492	492	510	475	482	483	480	473	455	492	493	489	467	490	427	22
23	483	493	496	508	462	484	487	490	473	458	493	492	495	477	493	415	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	429	476	475	484	468	487	497	485	460	480	489	494	497	499	496	483·5	Midnight
1h	455	474	476	483	473	487	495	485	455	480	489	497	498	500	494	484·8	1h
2	450	471	478	485	479	490	497	496	462	481	490	498	500	497	495	485·5	2
3	490	480	480	483	481	493	500	485	483	481	490	499	499	497	497	490·0	3
4	465	485	482	486	482	493	500	485	482	482	490	497	501	495	497	489·6	4
5	445	483	482	484	487	493	502	489	473	483	490	497	500	495	494	489·3	5
6	450	482	483	490	490	494	503	489	478	484	489	495	497	492	527	491·2	6
7	455	483	484	490	494	497	502	497	481	485	486	497	496	492	533	493·2	7
8	460	485	491	490	494	500	501	510	482	490	489	495	500	503	540	497·6	8
9	450	495	499	497	492	505	498	535	495	491	497	502	510	510	562	503·4	9
10	445	509	499	493	491	505	497	541	500	495	502	512	515	520	555	507·9	10
11	464	493	500	492	493	510	500	543	504	502	510	515	523	523	553	511·6	11
Noon	465	493	505	491	502	514	512	545	520	507	520	522	527	519	550	515·4	Noon
13h	457	482	498	485	497	517	520	530	515	505	525	515	576	517	525	511·9	13h
14	450	490	492	482	485	515	520	521	505	502	515	507	567	505	517	506·3	14
15	450	477	490	480	481	510	517	507	495	495	500	503	553	500	489	498·5	15
16	443	479	481	483	481	511	515	500	493	481	495	500	493	500	467	490·6	16
17	455	472	472	482	478	502	515	477	488	475	490	496	492	500	400	484·2	17
18	442	470	465	473	472	495	507	468	487	476	491	493	493	499	402	480·8	18
19	445	471	475	465	473	496	501	477	480	480	491	492	490	497	398	479·0	19
20	453	472	482	474	475	495	497	450	473	483	490	491	492	492	420	478·9	20
21	460	474	479	459	480	496	495	430	477	485	491	492	497	491	427	478·4	21
22	460	474	481	455	482	499	493	410	479	487	492	492	498	489	434	477·8	22
23	465	474	482	458	484	497	486	425	469	486	492	492	497	492	445	478·8	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)

OCTOBER 1936

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	714	717	716	717	715	722	720	718	714	720	722	715	713	711	715	711	Midnight
1h	714	716	716	717	716	721	721	718	717	720	722	715	713	711	714	713	1h
2	713	715	715	716	713	719	721	717	717	719	721	715	713	710	713	711	2
3	713	713	714	715	713	720	720	717	717	719	721	715	713	711	713	710	3
4	714	714	714	715	714	720	720	717	717	719	721	716	714	711	713	711	4
5	716	715	715	715	714	720	720	718	718	719	722	717	715	712	714	713	5
6	716	714	714	714	715	718	720	719	719	716	721	717	716	713	716	714	6
7	721	719	719	717	719	719	725	721	724	719	725	721	721	719	721	720	7
8	723	721	726	721	722	725	729	722	727	723	729	722	726	721	726	721	8
9	724	719	723	725	725	729	729	727	726	729	726	723	723	720	727	722	9
10	723	717	716	724	723	731	722	722	720	731	721	721	717	712	729	719	10
11	717	709	707	719	719	730	707	713	710	731	715	714	705	705	720	711	11
Noon	701	696	693	710	706	718	689	799	701	729	701	701	687	698	710	702	Noon
13h	688	687	685	696	697	702	682	690	700	724	693	693	680	689	699	692	13h
14	689	683	684	691	691	697	679	689	700	724	690	691	679	687	691	684	14
15	693	690	693	699	692	699	679	691	699	725	700	695	684	692	691	686	15
16	700	696	705	708	697	703	689	694	703	727	708	701	691	700	698	691	16
17	702	703	712	712	703	709	695	702	710	728	712	707	699	705	704	696	17
18	706	709	712	712	706	712	702	710	711	729	712	709	703	709	709	701	18
19	709	710	711	711	708	712	707	713	711	727	711	710	706	712	711	705	19
20	711	712	713	712	710	716	710	715	714	727	713	712	709	716	713	706	20
21	713	716	716	712	712	717	713	716	717	727	715	713	710	719	713	714	21
22	715	716	717	713	706	719	715	717	718	725	715	713	712	719	715	719	22
23	717	716	717	715	720	719	716	718	717	725	715	713	712	717	715	721	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	723	719	716	716	713	712	710	709	716	711	710	710	709	708	709	714·5	Midnight
1h	719	719	716	715	712	712	710	709	716	711	710	710	709	708	709	714·5	1h
2	718	718	715	715	711	711	709	709	714	711	710	709	707	708	709	713·6	2
3	712	718	714	714	711	711	709	710	713	712	711	710	709	709	709	713·4	3
4	717	719	714	714	712	711	710	710	715	713	711	711	710	710	710	714·1	4
5	719	719	714	714	712	712	709	710	717	713	712	711	710	711	711	714·7	5
6	716	719	715	715	713	712	710	711	719	715	716	714	715	714	716	715·5	6
7	721	721	716	720	715	713	715	710	719	719	720	719	721	721	712	719·1	7
8	729	722	713	726	719	714	719	708	719	718	720	721	719	722	710	721·4	8
9	736	721	713	727	720	715	717	705	718	714	713	713	710	719	707	720·8	9
10	739	717	711	721	716	712	710	700	711	709	707	708	701	710	699	716·7	10
11	724	710	707	713	711	705	700	693	705	702	696	699	697	701	698	709·5	11
Noon	711	709	700	700	699	697	690	687	703	696	690	690	689	697	690	699·6	Noon
13h	712	706	693	696	690	690	683	686	700	689	689	684	679	695	683	692·6	13h
14	711	704	691	695	691	687	680	695	701	689	695	689	681	696	690	691·7	14
15	712	709	696	697	701	690	684	701	703	695	702	695	690	699	702	696·3	15
16	715	713	704	701	709	698	690	708	707	702	709	701	699	701	711	702·5	16
17	716	712	710	704	712	703	696	709	708	709	711	702	705	703	722	707·1	17
18	713	711	711	707	710	704	699	707	709	709	710	703	706	702	724	708·9	18
19	717	712	711	711	709	705	700	710	709	708	710	706	705	703	723	710·1	19
20	719	713	711	710	709	706	701	711	711	708	709	709	707	705	723	711·6	20
21	720	710	713	712	710	708	705	720	711	709	710	709	709	708	725	713·8	21
22	720	717	716	715	711	709	707	722	711	710	710	709	709	709	724	714·6	22
23	720	717	716	716	711	709	712	720	711	710	710	709	708	709	723	715·3	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of OCTOBER 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure.	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h *	9h *	15h *	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
OCT.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	971·8	20·5	1·9	17·1	81	19·3	110	8·5	7	...	...	...	18·1	22·0	18·3	3·7	0·6	8	10·7	88
2	972·4	21·0	2·4	16·8	77	18·9	95	7·2	5	17·3	19·5	23·0	19·5	23·3	17·1	6·2	0·6	17	10·3	84
3	971·2	20·7	5·4	11·0	54	13·0	70	6·7	9	10·3	19·0	22·5	17·0	23·2	15·3	7·9	0.2	3	6·9	56
4	972·4	20·5	4·6	12·3	59	14·2	110	5·8	10	16·5	19·5	21·0	16·1	22·1	15·7	6·4	0·0	0	5·3	43
5	971·1	21.1	4·1	13·8	63	15·6	90	5·4	8	16·0	20.0	22·4	17·8	23·0	16·0	7·0	1 9	53	7·1	58
6	971.2	21·2	3·1	15·7	71	17.7	90	5.4	7	16·1	19·5	22·9	17·7	22·9	16·0	6·9	2·1	21	9·2	75
7	970·6	22·9	5·3	13·6	56	15·4	100	3·1	5	17·1	21·6	24·0	17·5	24·6	16·9	7·7	0·0	0	9·9	80
8	971·6	22·2	3·0	16·9	72	19·0	100	7·2	3	16·6	20·0	23·5	19·2	24·6	16·6	8·0	1·8	41	11·0	89
9	972·4	22·4	3·5	16·3	73	18·4	80	7·6	8	17·8	20·4	23·0	18·5	24·0	17·3	6·7	0·2	4	10·1	81
10	971·9	23·0	3·5	15·9	68	19·0	70	5·4	7	17·4	21·2	22·1	19·1	24·6	17·4	7·2	3·5	88	4·8	39
11	969·9	22·7	2·0	19·2	81	22·0	70	4·9	10	19·0	20·7	24·8	20·0	25·0	18·8	6·2	0·0	0	6·5	52
12	970·3	22·5	3·5	16·4	68	18·5	60	7·2	8	19·1	20·2	23·7	20·0	26·0	17·6	8·4	0.0	0	8·5	69
13	971·5	22·7	2·0	19·2	81	22·0	95	2·2	10	18·1	23·0	23·6	22·9	26·0	17·6	8·4	4·8	70	6·8	
14	970·9	22·9	3·0	17·0	72	19·9	95	2·2	10	17·0	21·0	23·0	17·7	23·5	16·0	7·5	1·8	44	4·6	55
15	969·8	23·0	3·7	16·6	67	18·7	70	2·7	8	16·8	20·5	23·3	18·7	24·6	16·0	8·6	0·5	8	5·6	37
16	968·9	23·0	4·0	16·1	65	18·1	70	2·7	7	15·9	20·3	24·5	18·8	24·6	15·9	8·7	0·2	2	6·0	45
17	968·2	23·9	4·7	15·7	60	17·7	90	2.2	8	17·0	21·3	23·0	18·3	25·0	16·1	8·9	1·2	17	4·9	48
18	968·4	23·3	4·8	15·0	60	16·9	90	4·5	5	17·4	20·6	24·3	18·8	25·6	16·9	8·7	0·0	0	7·5	39
19	967·6	24·5	4·1	17·5	65	19·8	70	2·2	10	17·8	20·0	21·0	20·8	22·6	17·4	5·2	12·3	345	0·6	60
20	966·4	19·9	0·0	19·9	100	23·0	360	0·0	10	19·8	20·0	20·2	18.8	20·2	18·6	1·6	118·1	457	1·2	5
21	967·0	22.4	2·6	17.8	75	20·2	160	7·6	3	16·8	20·2	21·0	16·9	23·4	16·5	6·9	0·0	0	10·1	10
22	970·6	21·6	4·3	14·0	62	15·8	110	6.7	2	16·0	20·8	21·8	16·8	23·1	15·0	8·1	0·0	0	11·9	80
23	969·7	23·4	3·9	16·6	66	18·7	110	3·6	6	16·1	22·5	23·0	18·8	25·4	16.3	9·1	0.0	0	8·2	94
24	969·1	23·9	5·9	13·7	53	15·5	70	1·3	5	17·0	23·0	23.3	18·5	27·1	16·0	11·1	0·2	3	6·5	65
25	969·9	23·4	4·1	16·3	64	18·4	80	4·9	7	17·2	23·3	25·5	19·5	26·5	17·2	9·3	0·3	4	8·9	51
26	969·7	24·9	4·8	16·6	60	18·7	Calm		7	19·5	24·0	24·6	19·8	26·6	17·9	8·7	0·0	0	7·0	70
27	969.4	22·9	3·8	16·2	66	18·2	70	6·3	7	17·8	22·9	23·5	18·8	24·6	17·6	7·0	0·0	0	10·8	55
28	968·4	23·3	3·3	17·6	70	19·9	110	7·2	5	18·2	22·6	22·4	19·4	25·0	18·2	6·8	0·0	0	5·2	85
29	968·1	21·9	1·0	20·1	90	23·3	110	7·2	9	19·2	20·0	22·5	20·2	24·6	19·1	5·5	3·3	101	3·5	41
30	967.1	21·4	0·5	20·5	95	23·9	95	11·2	10	19·9	20·2	21·5	19·9	23·6	19·1	4·5	5·0	99	2·8	27
31	966·8	22·5	2·6	17·9	75	20·3	90	6·3	2	19·0	21·3	25·0	18·8	25·1	18·6	6·5	0·6	25	9·1	22
																				71
Mean	969·7	22.4	3·4	16·4	70·0	19·2	...	5·0	6·9	17·5	21·0	23·0	18·8	24·3	17·1	7·2	159·2	1410	7·15	5·72
Average	970·0	21·1	3·2	15·7	71·7	17·8	...	3·7	6·3	...	...	...	...	23·1	15·6	7·5	62·8	...	7·42	59·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	42·2mbs.	Amount of rain	—	74·2mms.
Temperature of the Air	+	2·9°C	Duration of sunshine	+	37·9hrs.
Vapour Pressure	—	0·3mbs.	Mean of maximum temperatures	+	2·8°C
Relative Humidity	—	10·8%	,, minimum temperatures	+	2·0°C
Velocity of Wind	—	0·7mps.	Absolute maximum temperature	+	1·7°C
Amount of Cloud	—	1·0	,, minimum temperature	+	1·9°C

Greatest Rainfall intensity at Vacoas. 42·0 mms. in 60 minutes.

* Instrument out of order.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1936

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0–10)
OCT.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mms.	min	mms.	
1	1013·2	+ 0·5	25·2	20·0	5·2	22·0	+ 0·6	2·6	17·4	+ 1·5	75	+ 4	19·7	18·8	0·1	5	6·3	6·5
2	1013·7	+ 1·0	26·1	19·6	6·5	22·0	+ 0·6	2·8	17·1	+ 1·2	74	+ 3	19·3	18·2	1·0	63	5·1	6·9
3	1013·6	+ 1·0	26·0	19·0	7·0	21·9	+ 0·4	4·6	13·8	— 2·2	60	— 11	15·6	17·4	0·4	15	6·5	7·2
4	1013·5	+ 1·0	25·1	18·4	6·7	21·5	0·0	4·1	14·2	— 1·8	63	— 8	16·1	16·5	0·2	10	7·0	7·2
5	1012·5	0·0	26·2	18·8	7·4	21·8	+ 0·2	3·3	16·0	+ 0·1	70	— 1	18·0	16·6	0·2	8	5·9	5·7
6	1012·4	0·0	26·7	19·7	7·0	22·3	+ 0·7	3·4	16·3	+ 0·4	69	— 2	18·4	18·3	0·5	15	6·5	3·6
7	1012·3	0·0	28·4	18·0	10·4	22·7	+ 1·0	3·7	16·2	+ 0.2	67	— 3	18·2	15·6	0·7	28	7·0	5·6
8	1013·3	+ 1·1	27·1	17·7	9·4	22·3	+ 0·6	3·3	16·5	+ 0·5	70	0	18·6	15·6	0·2	15	8·1	3·5
9	1013·9	+ 1·7	27·0	19·2	7·8	22·5	+ 0·7	3·3	16·7	+ 0·6	70	0	18.8	17·4	0·1	7	7·6	4·1
10	1012·9	+ 0·8	27·7	19·6	8·1	23·0	+ 1·2	3·0	17·8	+ 1·7	73	+ 3	20·2	18·2	0·5	20	7·3	6·4
11	1011·2	+ 0·8	27·7	20·1	7·6	23·3	+ 1·5	2·7	18·6	+ 2·5	75	+ 5	21·2	1·86	0·0	...	5·8	4·5
12	1012·2	+ 0·3	27·7	21·3	6·4	23·7	+ 1·8	3·3	18·0	+ 1·8	70	0	20·4	20·2	0·0	...	8·1	7·0
13	1013·3	+ 1·5	28·8	19·8	9·0	22·8	+ 0·9	2·4	18·6	+ 2·4	77	+ 7	21·2	18·2	3·8	92	7·1	6·7
14	1012·3	+ 0·6	26·4	18·0	8·4	21·6	— 0·4	2·1	17·9	+ 1·5	80	+ 10	20·3	15·5	0·0	...	4·7	4·5
15	1011·4	— 0·2	27·5	17·8	9·7	21·8	— 0·2	2·8	16·9	+ 0·5	73	+ 3	19·0	14·6	0·0	...	4·7	3·5
16	1010·0	— 1·5	28·0	16·9	11·1	22·1	0·0	3·2	16·5	0·0	71	+ 1	18·6	14·8	0·0	...	6·3	2·9
17	1009·8	— 1·6	27·8	17·0	10·8	22·0	— 0·1	3·0	16·9	+ 0·4	72	+ 2	19·0	15·2	0·8	20	8·0	4·6
18	1009·5	— 1·9	28·0	19·2	8·8	23·0	+ 0·8	3·1	17·6	+ 1·0	72	+ 2	19·9	17.0	0·4	37	5·7	3·8
19	1008·3	— 3·0	25·9	18·7	7·2	22·0	— 0·2	1·2	19·9	+ 3·3	88	+ 18	23·0	17·2	12·7	253	6·7	8·0
20	1006·9	— 4·3	24·2	19·4	4·8	22·6	+ 0·3	0·6	21·5	+ 4·8	94	+ 24	25·4	19·4	48·4	286	4·6	9·2
21	1008·5	— 2·7	26·2	18·7	7.5	22·1	— 0·2	2·8	17·2	+ 0·5	74	+ 4	29·4	16·9	0·0	...	3·5	5·8
22	1011·7	+ 0·6	27·0	19·1	7·9	22·4	0·0	4·5	14·5	— 2·3	61	— 9	16·4	15·7	0·0	...	7·6	2·6
23	1011·1	+ 0·1	27·7	18·8	8·9	22·9	+ 0·4	3·2	17·3	+ 0·4	71	+ 1	19·6	15·9	0·0	...	8·2	3·7
24	1010·7	— 0·3	28·4	18·9	9·5	22·8	+ 0·3	3·1	17·4	+ 0·5	72	+ 2	19·7	17·3	0·0	...	7·4	3·6
25	1011·1	+ 0·2	28·0	19·1	8·9	23·4	+ 0·8	3·1	1·80	+ 1·2	72	+ 2	20·4	17·4	0·0	...	6·6	3·2
26	1011·4	+ 0·6	28·5	19·9	8·6	22·9	+ 0·3	2·0	19·4	+ 2·6	81	+ 11	22·3	18.6	9·8	57	7·7	5·5
27	1010·1	— 0·6	27·9	17·4	10·5	22·7	0·0	3·5	16 6	— 0·3	69	— 1	18·7	14·8	0·0	...	4·5	2·4
28	1009·8	— 0·8	28·0	19·6	8·4	23·6	+ 0·9	3.3	17·6	— 0·7	69	— 1	19·9	16·9	0·0	...	7 7	6·9
29	1009·0	— 1·6	28·1	21·1	7·0	24·1	+ 1·3	2·7	19·5	+ 2·5	75	+ 5	22·4	19·6	0·0	...	6·3	5·7
30	1008·6	— 1·9	27·3	21·9	5·4	23·5	+ 0·7	2·0	20·0	+ 3·0	81	+ 11	23·2	21·1	5·0	214	6·3	8·3
31	1008·2	— 2.3	27·0	20·2	6·8	23·1	+ 0·2	2·5	18.8	+ 1·9	77	+ 7	21·5	19·8	0 2	22	6·1	5·1
Mean	1011·2	— 0·4	27·1	19·1	8·0	22·6	+ 0·5	2·9	17·4	+ 1·0	73·1	+ 2·9	19·8	17·3	Sum 85·0	Sum 1172	6·5	5·3
Aver.	1011·6	...	26·8	18·0	8·8	22·1	...	3·2	16·4	...	70·2	...	18·7	14·9	40 4	770	5·9	5·1
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF OCTOBER 1936.

Pressure and Temperature were generally above normal during the first half of the month.

From the 15th to the 21st, the passage of a well formed V—shaped depression was attended by a considerable falling off in wind and an important increase in humidity. Very light and variable northerly or north—westerly air of equatorial origin had since the 15th replaced at intervals the interrupted normal Easterly trade current, when between the 19th and 20th occurred one of these remarkable instability showers of considerable intensity which fore run the incursion of the cooler air of polar origin and at the same time the resumption of the normal trade current.

This Shower, which comprised 72% of the total rainfall of the month, was the first important rainfall which obtained since the period of drought began. Its occurrence brought the rainfall of this month up 110% above average.

After a recovery from the 22nd to the 26th, pressure again fell towards the end of the month while temperature and humidity kept generally high.

Wind velocity was below and Sunshine above normal in the mean for the month. Humidity was 3% above average for the month.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1936.

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather: 0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h
OCTOBER	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	6.1	50	5.2	+ 1.6	24.1	23.6	23.4	23.8	bc : cq : bcr_0 : bc .
2	10.2	83	3.8	+ 0.2	24.1	23.6	23.4	24.0	bc : bcr_0r_0 . bc : c .
3	10.2	83	3.4	− 0.2	24.1	23.6	23.5	24.0	c : bc : bcq_0 : cr_0 : c .
4	5.1	41	3.5	− 0.1	24.1	23.6	23.6	24.3	o : or_0 : c : bc : bd_0 : bc .
5	7.5	61	3.7	+ 0.1	24.1	23.6	23.6	24.0	cr_0 : bc : b : bc : c : b .
6	10.2	83	3.8	+ 0.2	24.1	23.6	23.7	24.2	b : bc : b : bcq_0 : bc : bcr_0 .
7	10.1	82	2.5	− 1.0	24.1	23.6	23.8	24.7	or_0 : bc : b : bc : c : bc : b .
8	11.7	94	3.7	+ 0.2	24.1	23.7	23.9	25.0	b : bc : bcq_0 : bcr_0 : bc .
9	10.1	81	3.8	+ 0.3	24.1	23.7	24.1	25.2	bcd_0 : bc : b .
10	7.8	63	3.2	− 0.3	24.0	23.7	24.2	25.4	bc : cgq_0 : c : cr_0 .
11	10.1	82	3.1	− 0.4	24.1	23.8	24.4	25.5	b : bc : b .
12	8.8	71	3.3	− 0.2	24.1	23.8	24.5	25.9	bc : c : bc : c : bc .
13	7.5	61	2.4	− 1.1	24.2	23.8	24.7	26.1	bc : c : or_0r_0 : o .
14	4.0	32	1.5	− 2.0	24.1	23.8	24.9	25.9	bc : b : bc : b .
15	7.9	63	2.1	− 1.4	24.1	23.8	25.0	25.4	b : bc : b .
16	11.4	91	2.4	− 1.0	24.1	23.9	24.9	25.3	b_0 : b : bc : b .
17	7.2	58	1.9	− 1.5	24.1	24.1	24.9	25.9	b : bc : cr_0r_0 : b .
18	11.8	94	2.3	− 1.1	24.1	24.0	24.9	26.0	bcr_0r_0 : bc : b .
19	0.1	1	1.2	− 2.2	24.1	23.9	25.0	25.9	b : bc : cr_0r_0 : orr .
20	0.2	2	0.9	− 2.5	24.0	24.1	25.0	25.6	o : orr : oRR : c .
21	8.1	64	3.2	− 0.2	24.0	24.0	25.1	24.8	bc : c : bc : b bc .
22	12.1	96	3.6	+ 0.2	24.0	24.1	25.0	24.9	b : bc : b : bc .
23	10.6	84	3.3	− 0.1	24.0	24.1	24.9	24.9	bc : bcq_0 : bc : b .
24	8.1	64	2.2	− 1.2	24.1	24.1	24.9	25.3	b : bc : cg : bc b .
25	11.5	91	3.0	− 0.4	24.0	24.1	25.0	25.4	b : bc : b .
26	5.8	46	1.7	− 1.7	24.0	24.1	25.3	25.9	b : bc : ogr : or_0 : bc .
27	11.9	94	3.2	− 0.2	24.0	24.1	25.6	25.8	b : bc : bq_0 : b .
28	6.1	48	3.7	+ 0.3	24.0	24.1	25.4	25.9	c : bc : cg : bc .
29	8.8	69	5.0	+ 1.6	24.0	24.2	25.3	25.9	bc : bcq : cgq_0 : bcq_0 : b .
30	7.6	59	5.5	+ 2.1	24.0	24.3	25.4	26.1	bcd_0 : cr_0 cq_0r_0 cgq : c : or_0r_0 .
31	10.8	84	4.1	+ 0.7	24.0	24.3	25.4	26.0	or_0r_0 : bc : bcq_0 : b .
Mean	8.37	66.9	3.10	−0.37	24.05	23.89	24.60	25.26	.....
Average	8.18	65.5	3.47	...	24.43	24.03	23.98	24.39	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF OCTOBER 1936.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1015.2mbs.	at 09.00hrs.	on 9th	1006.4mbs.	at 15.00hrs.	on 31st
Temperature of the Air	28.8°C	at 13.05hrs.	on 13th	16.9°C	at 05.10hrs.	on 16th
Daily range of temperature of the Air ...	11.1°C	...	on 16th	4.8°C	...	on 20th
Temperature of the Dew Point	23.2°C	at 12.00hrs.	on 20th	10.9°C	at 09.00hrs.	on 3rd
Daily range of temperature of the Dew Point	5.8°C	...	on 3rd	1.6°C	...	on 1st
Minimum on Grass	...	...	...	14.6°C	...	on 15th
Relative humidity	98.9%	at 11.00hrs.	on 20th	42.9%	at 13.00hrs	on 3rd
Vapour Pressure	28.1mbs.	at 12.00hrs.	on 20th	13.0mbs.	at 09.00hrs.	on 3rd
Evaporation in 24 hours	8.2mms.	...	on 23rd	3.5mms.	...	on 21st
Wind Velocity	74.m.p.s	at 10.00hrs.	on 30th	0.6m.p.s.	...	often
Rainfall in 24 hours	56.5mms	ending 14hrs.	on 20th	...	...	...
Duration of sunshine	12.1hrs.	..	on 22nd	0.1hr.	..	on 19th

Mean Day Temperature of Air, 24.72°C ... Average 24.60°C. Mean Night Temperature of Air 20.48°C. Average 19.77°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	6	16	9	...	12	2	2	1	1	...	...

TABLE VIII.—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 55·2 metres above mean sea-level.)

OCTOBER 1936.

The initial 10 or 9 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	139	141	146	141	138	131	131	133	148	141	131	119	140	141	130	118	Midnight
1	130	138	141	140	133	131	129	130	142	139	122	114	138	134	125	110	1h
2	126	132	139	136	127	129	126	127	140	132	119	110	133	129	121	103	2
3	122	130	135	133	122	124	121	122	136	131	111	109	130	124	118	100	3
4	122	130	133	132	121	124	121	122	136	130	110	107	130	124	113	100	4
5	128	131	135	133	122	127	126	126	140	132	110	110	131	123	116	101	5
6	131	136	140	139	125	130	128	131	143	138	111	113	133	126	118	106	6
7	135	140	142	142	130	131	130	138	151	141	118	121	133	130	119	110	7
8	140	144	146	146	131	137	131	141	151	141	120	126	131	131	120	111	8
9	141	149	148	147	132	134	131	142	152	141	120	128	131	130	120	111	9
10	141	148	149	148	131	132	130	141	149	141	120	126	134	130	119	111	10
11	140	143	143	145	130	126	121	137	141	137	113	122	131	123	112	105	11
Noon	131	137	139	136	124	120	116	130	133	129	109	120	128	119	108	098	Noon
13h	129	131	128	130	119	111	110	123	130	121	101	113	124	112	100	091	13h
14	119	125	121	122	112	109	101	120	126	118	093	112	120	105	098	085	14
15	114	121	120	119	111	104	101	113	121	111	090	110	116	101	096	080	15
16	114	121	120	120	111	106	104	116	123	111	091	110	118	103	098	081	16
17	120	126	124	120	114	110	111	121	126	115	097	117	126	108	101	082	17
18	126	131	128	124	120	117	120	129	130	120	107	122	130	116	106	089	18
19	137	140	133	130	122	123	128	133	139	123	114	130	138	123	112	095	19
20	141	146	140	132	130	131	132	145	143	131	120	139	146	130	116	101	20
21	145	150	141	136	131	132	139	151	150	126	123	143	149	131	121	107	21
22	147	150	142	140	132	133	138	151	150	126	122	144	148	132	122	109	22
23	146	148	143	140	132	131	137	150	148	134	121	142	147	131	121	108	23

The initial 10 or 9 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	102	103	096	080	076	112	129	114	110	114	119	102	103	093	094	1012·0	Midnight
1h	101	101	091	073	073	110	126	110	105	111	111	099	099	086	091	1011·6	1h
2	098	101	084	069	070	108	120	107	103	109	105	092	090	081	084	1011·1	2
3	091	098	077	063	067	106	116	106	102	106	101	091	089	080	081	1010·8	3
4	091	095	080	062	068	106	112	108	105	108	101	093	084	080	080	1010·7	4
5	094	097	081	064	070	108	113	109	109	111	103	096	086	080	077	1010·9	5
6	100	099	084	069	074	112	114	109	115	115	109	101	089	084	080	1011·3	6
7	101	101	086	071	079	116	115	111	121	120	112	108	092	094	084	1011·7	7
8	104	102	089	073	084	122	116	114	123	122	112	108	096	096	088	1011·9	8
9	105	101	092	076	087	127	117	113	122	123	111	109	098	096	090	1012·0	9
10	102	101	091	077	087	125	116	112	121	121	110	105	096	093	089	1011·9	10
11	099	098	090	073	085	121	110	110	114	113	106	101	090	091	088	1011·5	11
Noon	093	092	083	070	083	119	106	106	111	110	100	095	089	086	081	1011·0	Noon
13h	091	090	078	063	079	113	099	101	105	107	092	096	082	080	073	1010·4	13h
14	089	085	078	060	076	108	096	099	100	105	089	088	080	076	069	1009·9	14
15	087	080	073	059	075	106	091	093	093	101	084	084	075	071	064	1009·6	15
16	087	080	072	059	075	107	092	093	096	103	081	086	074	071	066	1009·6	16
17	090	081	073	060	082	110	094	095	100	108	085	088	078	074	068	1010·0	17
18	094	088	078	062	090	119	103	100	106	110	091	091	082	081	071	1010·6	18
19	098	091	081	070	096	125	110	105	111	117	097	097	088	089	079	1011·2	19
20	108	096	086	075	105	131	117	110	119	121	101	101	093	094	085	1011·8	20
21	111	101	089	080	113	134	119	111	121	127	105	107	099	100	090	1012·2	21
22	111	102	088	080	116	134	119	114	121	124	110	110	101	100	092	1012·3	22
23	110	100	084	080	113	131	119	112	120	122	108	110	100	100	096	1012·2	23

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

Hour. \ Day.	October 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	8	4	9	10	8	3	10	1	3	3	6	5	6	8	1	0	1	2	1	10	6	4	5	1	2	1	3	5	2	5	10	4·6
1h	8	4	9	10	8	3	10	1	5	4	5	5	4	6	1	0	1	2	1	10	5	3	3	1	2	1	2	7	4	7	10	4·6
2	7	5	9	10	9	3	10	1	2	5	3	6	5	4	2	0	1	3	1	10	5	0	5	1	2	1	1	8	3	7	10	4·5
3	6	6	10	10	9	3	9	1	3	7	2	8	3	1	2	0	2	6	1	8	5	0	4	1	2	1	1	10	4	8	9	4·6
4	5	6	10	10	7	4	9	1	4	8	3	8	3	1	2	0	2	6	1	8	4	0	4	1	2	1	1	10	5	9	7	4·6
5	6	5	10	10	7	5	6	1	4	5	3	9	3	2	2	1	7	9	6	9	7	1	4	1	4	1	3	9	5	4	6	5·0
6	4	10	9	7	3	5	3	1	4	4	4	9	4	2	1	1	7	9	9	10	8	1	3	1	4	1	3	9	5	4	4	4·8
7	5	7	5	8	3	3	3	2	4	5	6	5	4	5	2	5	6	7	9	10	7	1	4	2	5	4	3	7	6	6	6	5·0
8	5	6	6	8	3	2	3	3	4	4	7	5	4	5	3	5	5	5	9	10	8	1	5	2	6	4	3	6	6	8	6	5·1
9	6	8	6	9	3	2	2	4	7	5	7	6	3	8	5	5	5	8	8	10	8	1	5	2	4	6	4	6	8	8	6	5·6
10	6	6	6	9	5	4	4	5	6	4	9	6	5	5	5	5	5	6	10	10	9	2	5	4	4	7	4	6	5	9	6	5·9
11	7	4	7	9	7	2	7	5	5	4	5	8	6	5	5	5	5	4	10	10	9	4	4	4	4	7	4	7	8	10	5	6·0
Noon	9	4	4	8	9	2	5	5	6	4	5	5	7	6	5	5	6	5	10	10	9	4	4	5	5	8	4	7	5	9	5	6·0
13h	9	6	4	7	8	3	5	4	6	7	5	5	6	7	5	5	7	2	10	10	8	4	4	7	6	10	3	8	8	8	6	6·2
14	9	7	5	7	8	4	4	4	7	8	5	8	8	8	7	4	7	3	10	10	7	3	4	8	5	9	2	9	9	9	5	6·5
15	8	6	5	8	8	3	6	4	4	8	5	8	9	8	7	4	7	3	10	10	6	3	5	8	4	9	3	9	8	9	4	6·4
16	8	7	6	6	8	3	8	4	6	8	6	9	9	7	8	4	8	2	10	9	4	3	6	7	3	9	3	9	9	8	4	6·5
17	9	9	7	4	8	4	9	4	7	9	7	9	10	7	9	4	9	2	10	9	2	2	4	7	3	9	3	9	10	9	4	6·7
18	7	8	4	4	7	4	8	5	5	9	7	9	10	6	7	4	9	2	10	9	2	2	6	7	3	9	2	9	6	10	4	6·3
19	5	8	10	3	2	4	8	8	3	8	1	8	10	3	1	3	1	2	10	8	3	2	2	6	3	7	1	5	7	10	2	5·0
20	2	9	8	3	1	4	1	7	1	8	1	8	10	3	1	3	1	1	10	9	3	4	1	4	1	3	1	4	5	10	1	4·1
21	7	10	8	3	2	3	3	5	1	9	2	7	10	2	1	2	2	1	10	9	4	5	1	2	1	8	1	3	2	10	1	4·4
22	6	9	8	4	3	3	3	3	1	9	2	6	10	2	1	2	3	1	10	8	5	6	1	2	1	9	1	3	2	10	1	4·4
23	5	9	8	6	3	7	3	4	1	7	3	6	10	2	1	2	3	0	10	6	5	5	1	2	1	6	1	3	3	10	1	4·3

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

Hour Ending. \ Day.	October 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	0	0	0	0	0	0	3	0	0	0·2
7	36	28	5	0	45	1	52	57	11	36	24	21	50	46	55	60	25	53	0	10	5	60	56	60	27	58	56	54	43	5	42	18·0
8	55	48	34	44	42	24	60	60	47	57	50	53	60	59	60	60	60	60	0	0	50	60	60	60	60	60	60	52	40	35	56	25·5
9	58	55	50	43	60	60	60	60	52	60	52	60	60	50	60	60	60	60	0	0	40	60	60	60	60	60	60	60	44	58	60	27·5
10	59	60	60	28	30	60	60	60	60	60	30	60	60	39	60	60	60	60	0	0	45	60	60	60	60	60	60	60	60	21	60	26.3
11	50	55	60	0	16	60	59	60	60	60	39	60	60	0	60	59	60	60	0	0	15	60	60	60	60	60	60	60	59	25	60	24.3
Noon	2	60	60	44	25	60	40	60	60	60	60	58	60	30	59	60	60	60	0	0	34	60	60	60	60	47	60	60	59	45	60	25·4
13h	9	60	60	13	55	60	49	60	60	59	60	55	60	4	60	60	33	60	7	0	30	60	60	56	60	0	60	15	60	58	60	23·4
14	46	59	60	44	55	60	60	60	60	12	60	52	40	0	56	55	0	60	0	0	56	60	60	24	60	0	60	8	58	57	60	22·4
15	20	55	60	25	35	60	60	60	60	0	60	37	2	3	4	52	24	60	0	0	50	60	60	0	60	0	60	0	20	40	60	18·1
16	10	44	55	40	40	60	51	60	60	54	60	45	0	3	0	57	20	60	0	0	60	60	48	30	60	0	60	0	32	32	60	19·3
17	5	40	58	23	25	60	29	60	55	1	58	25	0	1	0	55	22	60	0	0	60	60	44	11	60	0	60	0	40	45	59	16·9
18	17	46	45	0	21	48	28	47	20	12	46	0	0	2	0	38	8	56	0	0	44	60	8	3	60	0	47	0	5	34	12	1[illegible]·8
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6	0	11	0	0	0	0	0·3

The total Amount of Registered Sunshine was 259.4 hrs. and the total possible sunshine was 387·8 hrs.

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

(*To obtain temperatures on the Absolute Scale add* 273)

OCTOBER 1936.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	20·2	1·2	20·2	1·2	20·9	2·8	20·9	2·9	19·1	2·1	20·6	1·9	20·1	1·0	18·6	1·9	Midnight
1h	20·2	1·2	20·1	1·1	19·9	2·7	20·9	2·9	18·8	1·8	20·5	1·7	20·0	1·2	19·0	1·7	1h
2	20·3	1·3	19·9	1·1	19·6	2·6	20·6	2·9	18·8	1.8	20·2	1·5	20·0	1·0	18·9	1.9	2
3	20·2	1·3	19 9	1·0	19·5	2·9	20·2	3·0	19·9	1·9	20·5	1·7	20·0	1·1	19·1	1·9	3
4	20·3	1·3	19·9	0·8	19·2	3.2	19·8	2·7	20·1	2·1	20·3	1·8	19.9	1·1	18·4	1.4	4
5	20·1	1·3	19·8	1·0	19·4	2·2	19·2	2·3	19·3	1.9	19·8	1·7	18·9	1·0	17·9	1·5	5
6	20.1	1·4	19·7	0·9	20·1	4·2	18·4	2·1	19·0	1·8	20·0	1·8	18·1	1·0	17·7	1·5	6
7	21·9	2·6	20·6	1·3	20·4	3·8	20·0	3·0	19·9	2·0	20·5	2·1	20·9	1·4	21·3	2·3	7
8	23·0	3·0	22·1	2·2	22·9	5·9	23·3	5·6	23·0	3·6	22·1	3·0	22·9	3·0	23·3	3·4	8
9	24·0	3·9	23·0	3·0	23·7	7·4	23·9	6·7	24.7	6·5	24·1	5.0	24·9	5.2	24·7	4·7	9
10	24·1	4·1	24·5	4·3	24·4	7·7	23·8	6·8	23·9	5·1	24·5	5·5	26·3	7·3	25·7	5·5	10
11	24·3	4·3	24·8	4·7	24·7	7.7	22·8	5·1	23·0	3·2	25·4	6·4	26·7	7·7	26·7	6·7	11
Noon	24·3	4·3	25·2	5·4	24·8	7 8	24·2	6·3	24·3	5·0	25.8	7·1	26·9	6·0	26·7	6·6	Noon
13h	24·2	4·4	25·1	5·3	25·1	7·9	24·1	6·2	26·0	6·8	26·2	7·2	26·3	5·6	26·9	6.5	13h
14	25·2	4·8	25·5	5·6	25·1	7·2	24·3	6·5	25·9	6·8	25·9	6·2	28·1	7·2	26·5	6·0	14
15	24·0	4·0	24·8	5·8	25·0	6·9	23·9	6·0	24·0	4·7	25·1	5·4	27·9	8·2	26·2	5·7	15
16	23·3	3·6	23·5	3·9	24·3	6.2	22·9	4·4	24·0	4·5	24·6	5.3	26·2	6·5	25·6	5·5	16
17	22·8	3·2	23.4	4·0	23·2	5·1	22·7	4·9	22·9	3·9	23·8	4·8	25·0	5·3	24·2	4·3	17
18	21·9	2·6	22·0	3·0	22·0	3·7	21·4	4.0	21·7	2·5	22·2	3.4	24·1	5·0	23·0	3·2	18
19	21·1	2·0	21·4	2·4	20·2	2·1	20·2	3·1	20·9	2·4	21·2	2·4	21·9	3·7	21·9	2·5	19
20	20·9	1·8	20·1	1·6	20·1	1·9	19·6	2·7	20·5	2·0	20·7	2·0	21·2	3·0	21·4	1·7	20
21	20·2	1·1	20·5	1·5	20·5	2·5	19·2	2·1	20·7	2·0	21·0	2·0	20·7	2·7	20·9	1·5	21
22	20·2	1·2	21.0	2·0	20·3	2·6	19·9	2·5	20·7	2·4	20.8	2·0	20·0	2·3	20·9	1·7	22
23	20·2	1·2	21·0	2·8	20·7	2·7	19·9	2·7	20·3	1·8	20·7	1.7	19·7	2.6	20.7	1·6	23

Day / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air	Excess of Air over Evap.	
Midnight	20·3	1·2	20·0	1·8	21·3	1·0	21·9	1·6	22·2	2·0	19·9	0·8	18·6	1·1	18.4	1·1	Midnight
1h	20·6	1·5	20·1	1·7	21·8	1.2	22·0	1·8	22·0	1·9	19·3	0·3	19·0	1·0	18·1	1·0	1h
2	20·0	1·3	19·8	1·6	21·2	1·0	21·3	1·3	21·0	1·3	19·0	0·7	18·7	0·9	18·2	1.2	2
3	19·8	1·5	20·0	1·3	20·8	1·1	21·9	1·8	20·2	1·1	18·9	0·8	18·1	1·0	18·0	1·0	3
4	20·0	1·5	20·1	1·3	20·6	1·0	22·1	2·0	20·1	1·0	18·6	0·7	18·0	0·8	17·8	0·8	4
5	20·0	1·6	19·7	1·4	20·3	0·8	21·9	2·1	19·9	1·0	18·2	0.4	17·9	0·9	17·0	0·8	5
6	19·2	1·1	19·9	1·1	20·3	0·7	21·9	2·3	19·8	0·9	18·4	0·6	17·8	0·7	17·5	1·2	6
7	20·7	1·6	22·0	2·0	21·8	1·6	22 6	2.5	22·4	2·0	20·8	0·8	21·2	1·3	20·6	1·4	7
8	23·0	3·3	23·7	3·4	23·8	2·8	24·0	3·8	24·2	3·3	23·1	2·3	23·5	3·3	23.7	3.6	8
9	24·3	4·4	24·8	4·3	24·3	3·3	25·0	4·6	25·6	4·6	23·7	3·0	24·7	4·5	24·9	4·8	9
10	25·8	5·6	25·0	4·3	23·1	2·3	25·8	5·3	26·1	5·1	24·4	4·0	25·6	5·3	25·2	5·0	10
11	26·3	6·2	26·3	5·3	26.6	5·1	26·9	6·1	26·7	5·1	25·3	4·7	26·1	5·0	26·2	5·5	11
Noon	26·7	6·6	27·0	6 0	27·0	6·0	26·5	5·8	27·2	5.5	25·2	4·2	26·5	5·7	27·1	6·7	Noon
13h	26·0	5·8	26·7	5·7	27·2	5·5	27·5	6·5	28·0	6·6	25·1	3.9	26·2	5·2	27·2	6·5	13h
14	25·5	5·4	25.8	5·0	26.9	5·7	27·2	6·0	26·3	5·3	24·9	3·6	26·0	5·0	26·7	6·1	14
15	25·9	5·8	25·5	4·8	27·0	5·7	26·1	5·1	25·0	4·4	25·1	3·6	25·1	4·1	26·2	5·9	15
16	24·2	4·4	25·0	4·4	26·0	4.9	25·8	4·8	23·1	2·0	24·5	3·5	24.2	4·2	25·6	5·8	16
17	23.8	3·9	24·2	3·6	24·9	3·9	23·7	2·9	22·9	1·9	24·0	3·5	23·9	4·3	24·8	5·3	17
18	22·8	3·5	23·4	3·2	23·6	2·8	23·4	2·6	22·0	1·0	23·0	2·9	23·0	3·4	23·7	3·7	18
19	22·1	2·8	22.9	2·8	23·0	2·3	23·1	2·3	21·2	1·0	21·2	1·7	21·8	2·6	22·8	3·0	19
20	21·3	2·5	22·9	2·6	22·1	2·0	22·7	2·5	21·1	0·5	20.6	1·6	20·1	1·5	21.2	2·1	20
21	20·9	2·5	22·8	2·1	22·0	1·8	22·2	2·1	21·1	0·8	19·1	1·1	19·6	1·6	20·1	1·5	21
22	20·1	2·0	22·0	1·2	22·1	1·8	22·1	1·8	21·0	0·8	18·9	1·1	19·0	1·8	19·9	1·7	22
23	19·9	1·9	21·9	1·2	22·0	1·8	21·7	1·7	20·3	0·7	18·6	1·0	18·1	1·0	19·2	1·3	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

OCTOBER 1936.

Day. / Hour.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
Midnight	18·9	1·3	20·7	1·4	19·8	1·1	21·7	0·6	19·4	0·5	20·2	2·9	19·9	2·2	20·3	0·9	Midnight
1h	18·8	1·3	20·6	1·5	19·3	1·1	22·0	0·7	19·0	0·9	19·9	2·6	19·4	1·8	20·1	1·0	1h
2	18·0	1·2	20·6	1·1	19·1	1·1	22·0	0.6	18·8	1·0	19·8	2·5	19·9	1·9	19·9	0·9	2
3	17·7	1·3	20·0	1·0	19·3	0·7	22·2	0·3	19·8	0·8	19.6	2·6	19·9	1·8	19·7	1·0	3
4	17·1	1.0	19·9	1·0	18·9	0·9	22·4	0·4	19·9	0·9	19·1	2·3	19·8	1·7	19·2	1·0	4
5	17·7	1·0	19·7	1·0	19·9	0·8	22·4	0·4	20·1	0.8	19·7	2·8	19·2	1·3	19·1	0·8	5
6	19·0	1·2	20·1	1·0	21·1	0·9	22·8	0·7	20·2	0·7	20·0	3·1	19·2	1·4	19·2	1·0	6
7	20·9	1.2	22·1	1·8	22·1	1·1	23·4	0·5	21·3	1 4	21·9	4·2	22·1	2·2	22·4	1·6	7
8	24·0	3·9	24·0	3·0	22·7	1·5	23·6	0·7	22·9	2·4	23·8	5·7	23·6	3·4	24·4	3·7	8
9	25·1	4·8	24·1	3·4	22·4	1·2	22·9	0·7	23·7	2·8	24·7	5·6	24·9	4·8	26.0	5·1	9
10	26·0	6·0	25·7	4·7	22·5	1·0	23·1	0·4	24·3	3·5	25·7	7·4	26·8	6·3	26·9	6·1	10
11	27·1	6·4	26·9	6·6	24·3	3·3	23·2	0·1	25·8	4·6	26·1	7·1	26·9	6·2	27.9	6·9	11
Noon	27·2	7·1	27·2	6·2	23·9	1·4	24·2	0·6	24·4	3·7	26·1	6·9	26·7	5·8	27·8	7·0	Noon
13h	26·3	6·0	27·1	6·4	25·0	2·4	23·0	0.3	25·9	4·9	26·2	7·0	26·6	5·7	27·1	6·3	13h
14	26·0	5·5	27·4	6·5	23·4	1·2	23·4	0·5	24·9	4·2	26·0	6·9	26·3	5·1	26·3	6·2	14
15	26.3	5·6	26·9	6·5	23·8	1·0	23·0	0·5	25·2	5·1	25·7	6·8	26·1	5·2	25·2	4·6	15
16	25·6	4·6	25·9	5·2	23·6	0·9	23·3	0·7	24.6	4·7	24·9	6·7	24·9	4·2	25.0	4·7	16
17	24·3	3·4	25·0	4·9	22·9	0·9	23·6	0·9	23·7	4·6	23·7	5·7	24·2	3.6	24·0	4·0	17
18	22·8	2.0	23·9	3·9	22·7	1·0	23·7	1·0	22·0	3·1	22·0	4·4	23·2	2·7	23·0	3·3	18
19	21·0	1·2	22·3	2·4	22·2	0·7	22·2	0·4	21·2	3·2	21·0	3·7	22·8	2·4	22·0	2·2	19
20	20·3	1·2	21·3	1·8	22·0	0·6	21·9	0·7	20.9	3·1	20·7	3·5	22·0	2·0	21·0	1·7	20
21	20·1	1·2	20·7	1·6	21·7	0·7	21·4	0·4	20·7	3·0	20·3	3·0	21·7	2·7	20·9	1·8	21
22	20·4	2·1	20·1	1·0	21·8	0·8	20·7	1·1	20 6	3·0	20·2	2·8	21·2	1·3	20·9	1·7	22
23	20·9	2·0	20·0	1·1	21·6	0·6	20·5	0·9	20·0	2·8	20·0	2·8	21·1	1·2	20·0	1·1	23

Day. / Hour	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31st. Air.	31st. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour.
Midnight	19·9	1·0	21.1	1·1	20·9	1·1	20·2	1·5	22·2	1·8	22·4	1·2	21·4	0·4	20·4	1·4	Midnigh
1h	20·0	1·0	20·7	0·9	20·6	1·3	20·1	1·2	21·9	1.8	22·2	1·2	21·2	0·2	20·3	1·4	1h
2	20·1	0·9	20·9	0·9	19.3	1·1	20·3	1·3	21·7	2·0	22·3	1·4	21·1	0·2	20·0	1·3	2
3	20.0	0·9	20·6	0·8	18·6	1·2	21·2	1·4	21·2	1·3	22·2	1·2	21·1	0·2	20·0	1·3	3
4	19·6	1·0	20·2	0·7	18·1	1.1	21·5	1·7	21·7	1·2	22·0	1·0	21·0	0·2	19·9	1·3	4
5	19·1	0·9	20·0	0.8	17·8	1·2	21·7	1·9	21·3	1·1	22·0	1·1	21·0	0·2	19·7	1·2	5
6	19·7	0·8	20·1	0·8	17·9	1·2	21·4	1·7	22·2	1·5	22·3	1·5	21·0	0·2	19.8	1·3	6
7	22·1	1·5	23·1	1·7	22·1	2·1	23·1	2·1	23·9	2·0	22·2	0·9	22·9	1.9	21·7	1·9	7
8	24·3	3·3	25·0	3·7	24·0	3·2	24.4	3·3	24·7	2·7	24·1	1·9	23·2	2·2	23·6	3·3	8
9	25·5	4·6	26·7	5·0	25·4	4·4	25·4	4·4	25·2	3·1	25·0	2·9	25·0	4·0	24·6	4·3	9
10	26·2	4·9	27·2	5·4	25·9	6·1	27·0	5·8	26·9	4·5	25·0	2·9	25·7	4·7	25·3	5·0	10
11	27·0	5·9	27·4	5·2	26·9	6·7	27·2	6·0	27·1	4·6	24·7	2.5	25·9	4·7	25·9	5·3	11
Noon	27·7	5·9	27·2	5·5	27 0	7·0	26·5	5·5	28·1	5·4	25·9	3·7	26·6	5·2	26·2	5·6	Noon
13h	27·2	5·7	26·0	4·0	27·4	7·2	26·7	5·5	27·6	4·9	26·6	4·3	26·9	4·9	26·2	5·5	13h
14	27·3	5·7	24·2	1·2	27·1	6·8	26·3	5·3	27·0	4·4	26·9	4·3	26·0	4·8	25·9	5·1	14
15	27.8	6·6	24·4	2·4	27·0	6·9	26·0	5·1	26·0	3·5	26·0	4·0	26·1	4·9	25·6	5·0	15
16	26·6	5·8	23·1	1·1	26·0	6·2	25·0	4·1	25·4	3·6	25·0	3·2	25·1	4·3	24·7	4·3	16
17	26·2	5·3	23·5	1·6	24·8	5·2	24·7	4·5	24·8	2·9	24·0	2.4	24·3	3·6	24·0	3·8	17
18	24·1	3·1	23·3	1·4	23·2	4.1	23·8	3·5	23.9	2·8	22·9	1·7	23·5	3·5	22.9	2·9	18
19	23·1	2·2	21·7	1·3	21·2	2·1	23·2	3·2	23·2	1·9	22·4	1.2	22·1	2·4	21·9	2·3	19
20	22·4	1·8	21·1	1.2	20·9	1·6	22·6	2·5	23·2	2·0	22·2	1·1	21·2	1·6	21·3	1·9	20
21	22·0	1·3	21·2	1.1	21·2	2·1	22·1	2·0	23·2	2·0	21·9	0·8	21·0	1·5	21·0	1·7	21
22	21·9	1·1	21·1	1·1	21·0	2 0	22·2	2·0	23·2	2·0	21·7	0·6	20·9	1·5	20·9	1·7	22
23	21·2	1·2	20·9	1·0	20·5	1·7	22·7	2·3	23·1	2.0	21·5	0·4	20 8	1·5	20·6	1·6	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during OCTOBER 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

OCTOBER 1936.

Hour.	1d. Dir.	1d. Vel.	2d. Dir.	2d. Vel.	3d. Dir.	3d. Vel.	4d. Dir.	4d. Vel.	5d. Dir.	5d. Vel.	6d. Dir.	6d. Vel.	7d. * Dir.	7d. * Vel.	8d. Dir.	8d. Vel.	9d. Dir.	9d. Vel.	10d. Dir.	10d. Vel.	11d. Dir.	11d. Vel.	12d. Dir.	12d. Vel.	13d. * Dir.	13d. * Vel.	14d. * Dir.	14d. * Vel.	15d. * Dir.	15d. * Vel.	16d. Dir.	16d. Vel.
Midnight	11	4·3	11	3·3	07	2·4	10	2·7	09	2·8	09	4·4	08	2·5	12	2·4	10	3·3	10	3·1	08	2·1	08	2·6	08	2·4	12	0·7	11	1·1	11	1·2
1h	12	4·9	10	4·0	08	2·8	10	2·9	09	1·5	10	3·2	11	1·9	13	2·7	10	3·8	10	3·1	08	1·6	07	2·1	06	2·0	12	1·1	08	1·1	11	0·7
2	11	4·5	11	2·7	11	2·3	10	2·6	11	1·2	11	2·5	12	2·7	12	2·9	10	2·9	10	2·9	08	1·9	07	1·7	08	2·6	12	1·1	09	0·6	09	0·9
3	12	4·8	10	2·8	10	1·5	10	1·5	11	2·3	10	3·4	12	2·2	12	3·2	10	2·3	10	2·7	08	2·5	07	2·9	08	2·3	12	0·7	10	1·1	09	1·4
4	11	4·1	09	3·0	11	1·6	11	2·1	09	3·5	09	4·1	12	1·6	12	2·1	10	3·4	10	2·7	08	2·7	06	3·7	08	1·9	12	1·1	10	1·4	09	1·4
5	11	4·4	10	2·3	07	1·5	12	3·2	08	2·8	09	2·9	12	1·5	12	2·1	10	2·6	10	2·1	08	2·1	06	3·4	09	2·5	12	1·2	10	1·1	09	1·6
6	12	4·2	10	3·5	08	2·4	12	2·0	11	2·1	12	3·1	12	0·9	12	2·3	10	2·4	10	2·2	08	2·5	06	3·2	09	2·6	12	1·3	10	1·2	11	1·1
7	10	4·3	11	3·7	08	1·1	12	2·5	11	2·0	12	3·1	12	1·4	12	2·9	10	1·8	10	3·0	08	2·2	07	3·3	09	2·9	12	1·1	10	1·3	11	2·3
8	12	6·0	10	4·7	07	4·8	11	4·6	11	2·9	09	4·5	12	3·0	10	4·5	09	3·8	08	3·8	08	3·6	06	4·9	06	4·4	07	1·8	06	2·8	09	2·4
9	10	6.6	09	5·6	06	4·7	10	4·4	08	4·5	10	4·4	11	3·1	09	5·1	08	4.0	08	4·4	06	3·5	06	4·5	07	4·5	07	1·3	05	2·2	09	2·9
10	11	6·6	09	6·0	09	4·2	07	5·0	09	4·9	10	4·5	11	3·2	11	5·5	09	4.6	06	3·5	07	4·7	05	4·3	06	3·6	07	1·9	09	4·2	07	3·4
11	12	6·4	09	5·1	11	4·8	09	4·4	11	5·1	07	4·9	12	2·0	08	5·1	11	4·8	06	4·1	06	4·5	05	4·9	08	3·2	09	2·8	08	3·6	08	4·1
Noon	12	6·2	08	5·4	09	4·4	08	4·7	08	5·3	09	5·1	d22	3·6	05	4·8	08	5·0	05	4·4	04	4·3	06	3.9	07	4·1	07	3·0	06	4·0	08	4·3
13h	10	6·6	06	5.0	08	4·4	05	5·1	08	5·4	08	5·2	21	4·4	09	5·0	09	5·3	05	4·9	05	4·5	04	4·4	03	4·2	14	2·0	07	4·1	06	4·7
14	09	6·6	09	4·9	10	4·7	09	5·1	06	5·1	08	5·0	21	3·5	10	5·3	09	5·0	08	4·0	06	4·3	08	4·2	05	3·6	20	2·5	06	2·9	06	4·5
15	11	6·2	08	5·2	08	4·7	09	5·1	07	4·9	09	5·1	25	4·0	07	4·9	05	5·4	07	3·5	05	4.6	08	3·8	09	2·5	20	2·2	r18	1·8	07	4·2
16	10	6·5	09	5·1	10	4·4	10	5·9	09	4·8	09	4·8	24	2·5	10	5·0	10	4·8	08	4·1	06	4·4	06	4·0	13	2·1	18	1·8	r07	2·2	03	3·8
17	10	5·7	09	5·2	12	5·0	10	5·5	06	5·1	08	4·8	24	2·0	10	4·5	10	5·0	09	3·5	08	3·8	08	3·8	12	1·1	r09	1·1	07	2·2	03	3·5
18	10	5·0	09	3.8	10	4·1	09	4·5	09	4·6	09	4·4	17	2·0	10	4·4	08	4·4	08	2·9	07	3·0	08	2·7	09	1·1	07	1·2	08	2·6	03	2·4
19	09	4·4	09	2·7	11	3·4	10	2·4	10	3·4	11	3·4	12	2·4	11	2·8	09	4·1	08	3·0	08	2.6	08	2·8	11	0·6	07	1·1	08	1·6	03	1.8
20	09	4·2	08	2·2	10	2·2	11	2·0	10	3·1	11	2·2	12	3·1	11	3·0	09	3·5	08	2·4	08	2·2	08	2·0	12	1·6	07	0·8	09	1·2	03	1·6
21	10	3·4	08	1.3	10	3·3	11	2·1	09	4·0	11	2·5	12	2·7	11	1·8	09	3·1	09	2·6	08	2·0	09	2·0	18	0·6	07	1·0	10	1·8	03	1·3
22	10	4·0	09	2·0	10	3·1	10	2·9	09	3·8	10	2·8	12	2·4	11	2·4	09	3·1	08	1·8	08	2·7	10	1·6	18	0·7	11	1.8	10	1.6	03	2·0
23	10	4.2	07	2·1	10	2·7	09	3·0	09	3·5	11	2·6	12	1·8	10	2·7	09	3·5	08	2·0	08	1·9	11	2·2	12	1·7	11	0·9	10	1·5	03	1·3

Hour.	17d. * Dir.	17d. * Vel.	18d. * Dir.	18d. * Vel.	19d. * Dir.	19d. * Vel.	20d. * Dir.	20d. * Vel.	21d Dir.	21d Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. * Dir.	24d. * Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. Dir.	28d. Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	31d. Dir.	31d. Vel.	Mean. Velocity
Midnight	03	0·9	06	1.5	08	0·7	04	0·6	r08	0·6	12	2·6	13	1·3	09	1·4	11	1·9	09	1·9	11	1·5	11	1·8	13	2·7	10	4·9	12	4·4	2.3
1h	03	1·0	06	1·4	06	0·7	05	0·6	08	0·6	12	1·5	13	1·6	10	1·4	11	1·5	09	2·1	12	1·8	12	1·0	12	2·6	10	5·8	10	3·5	2·1
2	03	1·3	03	1·8	06	0·7	06	0·6	14	0·6	12	0·8	11	2·5	10	1·8	11	2·0	09	1·9	12	1·6	12	1·7	13	2·4	11	5·7	09	4·4	2·1
3	05	1·3	09	1·4	08	0·7	05	0·6	14	0·6	12	0·7	11	2·2	11	1·7	11	2·2	09	1·6	12	1·6	12	2·3	12	1·6	12	4·9	10	3·3	2·1
4	05	1·2	09	0·6	10	0·7	06	0·7	14	0·6	13	1·5	11	1·8	11	1·7	11	1·8	09	1·8	12	1·5	12	1·6	12	3·4	11	4·8	10	4·0	2·2
5	05	1·8	09	1·7	10	0·7	05	0.8	14	0·6	12	1·9	11	2·2	11	1·8	11	1·8	09	1.5	12	0·7	11	2·1	10	2·0	10	5·6	09	4·3	2·1
6	05	1·2	09	1·1	08	0·7	06	0·7	14	0·7	10	2·3	11	2·2	11	1·5	11	2·0	09	1·8	12	1·0	11	2·7	11	3·1	10	5·0	09	4·4	2·2
7	05	1·4	09	1·6	10	0·8	03	1·0	14	1·9	10	4·5	10	3·2	11	1·3	11	2·6	11	1·8	12	0·9	11	2·4	12	4·0	11	5·5	10	4·3	2·4
8	05	2.2	05	2·7	08	1.1	30	1·5	14	1·9	11	4·9	09	4·4	09	2·3	07	3·6	07	2·2	11	3·0	12	4·0	10	5·0	12	6·1	08	4·7	3·6
9	02	2·1	03	3·3	06	2·8	d07	1·5	14	2·8	10	4·9	10	4.3	10	2·2	10	3·5	04	2·5	11	4·5	09	5·0	09	5·5	11	6·9	09	5·6	4·0
10	01	3·0	03	3·9	06	2·8	32	0·7	14	3·7	09	5·3	10	4·4	04	2·5	08	4·4	08	2·5	12	5·2	11	5·0	12	6·9	10	7·4	09	5·1	4·3
11	02	3·4	03	4·2	04	3.2	r24	1·0	13	4·9	09	5·2	05	4·1	04	3·1	08	3·8	06	3·8	11	5·4	11	5·5	11	7·1	09	6·8	08	4·5	4·4
Noon	01	3·2	03	4·3	06	1·5	30	1·1	12	5·8	09	5·2	09	4·2	04	3·7	05	4·4	05	2·4	12	5·4	11	6·1	12	6·7	09	5·9	06	4·7	4·4
13h	d11	2·1	05	3·2	01	2·3	28	1·9	12	6·3	11	5·6	08	4·4	05	2·4	08	4·2	08	1·7	10	5·7	09	5·2	11	6·6	06	6·6	08	5·1	4·5
14	12	3·6	22	3.7	03	1·9	26	2·3	12	6·3	11	5·0	08	4·9	d21	1·8	06	4·0	05	1·6	11	5·4	10	4.8	12	5·6	09	6·0	08	4·9	4·3
15	17	4·0	21	4·1	04	1·1	24	1·5	12	6·3	11	5·9	06	4·5	r06	2·5	05	4·0	07	1·7	11	5·9	12	5·4	12	6·1	10	6·4	07	5·1	4·3
16	17	3·5	23	4·5	02	1·5	21	0·8	12	5·8	11	6·2	09	4·8	08	3·3	07	4·2	11	1·1	12	5·1	11	5·1	11	7·3	11	5·5	09	5·2	4·2
17	d29	1·8	r12	4·1	02	1·5	20	0·7	12	4·9	09	4.8	08	4·3	09	3·2	09	4·4	11	0·6	11	4·9	12	5·3	11	6·9	10	5·1	07	4·4	3·8
18	01	0·7	09	2·3	32	0·8	16	0·7	13	4·5	10	5·2	06	3·8	10	3·1	07	3·1	11	0·8	12	4·5	12	4·3	11	6·0	09	5·1	09	3·8	3·3
19	06	1·7	08	1·5	05	0·8	20	0·7	13	4·5	10	3·1	08	3·2	10	2·0	08	3·1	11	1·7	12	2·8	13	3·6	11	5·3	10	3·9	09	2·7	2·7
20	06	1·3	10	1·1	32	0.7	17	0·6	13	3·7	11	2·6	09	2·6	10	1·7	09	2·2	11	1·3	11	2·1	13	3·9	10	6·8	10	3·9	09	2·6	2·4
21	06	1·3	08	1·1	06	0·7	18	0·6	14	2·8	11	2·8	09	2·8	10	1·7	09	2·3	11	1·2	11	1·7	12	3·8	11	6·3	09	4·4	09	2·6	2·3
22	06	1·2	08	0·8	07	0·7	18	0·6	13	2·3	11	2·4	09	2·5	11	2·1	09	2·4	08	1·1	11	1·9	12	3·3	12	4·4	11	5·3	09	2·4	2·3
23	06	1·0	08	0·8	06	0·7	18	0·6	13	2·6	12	1·9	09	2·1	11	1.5	09	2·2	09	1·3	11	1·5	11	2·6	10	5·0	09	4·1	09	2·2	2·2

TABLE XIII,—WIND FREQUENCY (NUMBER OF OBSERVATIONS), OCTOBER 1936.

Hour	Force (0-12) 8 or above	4 to 7	0 to 3	Direction N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W	W.S.W.	W.	W.N.W.	N.W.	N.N.W
3	...	...	31	...	...	2	...	7	8	13	1	...	...	...	...	...	...	...	...
9	...	5	26	...	1	3	4	12	7	3	1	...	...	...	...	...	...	...	...
15	...	6	25	...	...	4	2	12	1	6	...	1	1	2	...	2	...	...	...
21	...	1	30	...	...	1	2	12	4	9	1	...	2	...	...	...	...	...	...
Totals	...			...	1	10	8	43	20	31	3	1	3	2	...	2	...	...	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for OCTOBER 1936.

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
	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	mm	mm
1h	...	...	...	...	...	...	0·2	..	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	0·1	0.1
2	...	...	...	...	..	...	0·5	...	...	...	..	...	...	...	...	...	...	0·2	...	...	..	...	...	...	...	...	...	...	...	...	0·1
3	..	...	...	...	0·2	..	.	...	...	...	...	...	...	...	..	...	...	0·1	..	...	...	...	..	..	...	...	...	...	...	...	...
4	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4	...	...	...	...	...	...	...	...	..	0·1	...
5	..	0·2	...	0·1	...	...	...	...	...	...	..	..	...	...	...	...	...	0·1	...	0·4	...	..	...	...	...	...	...	...	...	...	...
6	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	..	...	...	...	...	...
7	...	0.1	...	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...	1·0	0·1	...	..	.	...	...	...	...	...	..	0·4	...
8	..	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	.	0·1	.	...	...	...	...	...	..	...	...	0·4	...
9	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	16·8	...	...	...	...	...	...	...	...	...	..	...
10	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	0·9	7·0	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	0·1	8·2	...	...	...	...	...	...	...	...	...	0·5	...
Noon	...	...	...	...	...	...	..	...	...	...	...	...	..	...	...	...	...	...	0.1	1·2	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	...	..	...	4·8	...	...	...	...	...	...	...	...	...	...	...
14	...	...	..	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	1·6	2·0	...	...	...	...	...	9·0	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	0·2	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	0·7	..	...	...	...	...
17	...	...	...	...	...	...	..	...	...	...	...	...	0·1	...	...	...	0·2	...	0·6	...	...	...	...	...	...	0·1	...	...	...	...	..
18	...	...	...	...	...	...	...	...	...	...	...	..	1·4	...	...	...	0·6	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	0·3	0·1	...	...	...	...	...	...	...	...	2·1	...	...	..	...	...	0·9	...	...	...	...	...	..	...	...	...	...	...	...
20	...	...	0·1	...	...	...	...	0·1	...	...	...	..	0·1	...	...	...	...	...	2·4	...	...	...	...	...	...	...	...	...	...	0·5	...
21	0·1	...	...	...	...	...	...	0·1	...	...	...	...	0·1	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	1·0	...
22	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	.	...	...	0·2	...	...	...	...	...	...	...	...	...	...	0·2	..
23	...	...	..	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	3·1	...	...	...	...	...	...	...	...	...	..	1·2	...
24	..	...	...	...	...	0·5	...	...	...	...	...	...	..	...	...	...	...	0·1	...	...	...	...	..	...	...	...	...	...	...	0·6	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION VACOAS FOR OCTOBER 1936.

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
	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	mm	mm
1h	0·3	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...	...	4·1	.	...	...	...	...	...	...	...	...	0·5	..
2	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	3·5	...	..	..	...	...	...	...	...	0·1	0.2	0·3
3	..	0·1	...	...	...	0·2	...	...	0·2	...	...	...	...	0·1	...	...	...	...	...	0·1	...	...	...	...	0·3	...	...	...	...	0·3	0·2
4	..	...	..	...	0·3	1·6	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	0·1	0 4	...
5	...	...	...	...	0·6	...	...	...	..	...	...	...	...	...	..	...	...	...	...	0·2	...	...	..	...	...	...	...	...	0·3	0·2	0·1
6	...	0.5	...	...	...	0·2	..	...	...	...	...	...	...	...	0·1	0·1	...	...	...	0·2	...	...	...	...	...	...	...	...	0·3	...	..
7	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	0·2	0·8	...	...	...	...	...	...	...	...	0·2	0·2	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	...	...	...	...	...	...	...	...	0·4	...	...
9	...	...	...	...	..	...	...	...	...	..	...	..	...	...	...	...	...	...	...	14·9	...	...	...	...	...	...	...	...	0·1	0·4	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	0·1	20·8	...	...	...	..	...	..	..	...	...	...	...
11	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	42·0	...	...	.	...	...	...	...	...	...	...	...
Noon	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	..	...	...	0·1	15·1	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	0·3	9·8	...	...	...	...	...	...	...	...	...	...	...
14	..	...	...	...	..	..	...	...	...	0·9	.	...	...	...	...	...	..	...	0·7	2·4	...	...	...	...	...	...	...	...	...	0·2	...
15	...	...	...	...	...	...	...	...	...	0·3	...	...	...	0·7	...	...	..	...	0·8	1·5	...	..	...	...	...	...	...	...	...	0·4	...
16	...	...	...	...	...	...	...	...	...	1·5	...	...	...	...	0·4	...	1·2	...	0·9	0·8	...	...	...	0·2	...	...	...	...	0·1	..	...
17	...	...	...	...	...	...	...	...	...	0·2	..	...	3·6	0·4	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	0·9	0·6	...	0.1	...	...	0·8	...	...	..	...	...	...	...	...	...	0·2	0·2	...
19	..	...	...	...	..	...	...	...	...	0·1	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...	...	...	...	...	0·4	0·3	...
20	...	...	0·2	...	...	...	...	...	...	0·2	...	...	0·3	...	...	...	...	...	0·9	...	...	...	...	...	..	...	..	...	0 1	0·3	...
21	...	.	...	...	...	...	...	1·0	...	0·3	...	...	...	...	...	...	...	...	1·7	...	...	...	...	...	...	..	...	...	...	0 5	...
22	...	...	...	...	0·4	...	...	...	...	...	..	...	...	...	..	...	...	...	0·6	...	...	...	...	...	...	...	...	..	0·3	0·4	...
23	0·1	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	..	1·8	...	...	...	...	..	...	...	...		0·1	0·2	..
24	...	...	...	...	0·6	...	.	0·4	...	...	...	...	...	...	...	...	...	...	1·4	...	...	...	...	...	...	...	...	...	0·6	0·3	...

TABLE XV—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF OCTOBER 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	2·56	65·0	2·16	6
	St. Antoine	50	2·46	62·5	1·48	5
	Belmont	50	2·77	70·4	1·68	6
	Poudre d'Or	20	2·90	73·7	1·74	6
	Mon Loisir S. E.	300	3·94	99·9	2·28	8
	Forbach	300	2·97	75·4	2·06	8
	Couroupa...	...	3·53	89·8	1·86	9
*	Labourdonnais	290	2·64	67·0	2·01	5
	Mapou (Water Office) ...	...	2·39	60·7	...	5
	Beau Séjour	300	3·63	92·2	2·49	13
	Mont Piton	650	4·00	101·6	2.52	9
	Mon Choix	700	3·66	93·0	2·27	10
	Antoinette	640	4·37	111·0	2·33	12
	Mon Songe	620	4·99	126·7	2·53	11
	Botanical Gardens... ...	325	3·79	96·3	2·09	13
*	The Observatory	179	33·5	85·0	1·67	22
	Solitude	175	3·62	91·9	1·18	7
	St. André (Cour)	90	3·03	77·0	1·43	6
	La Nicolière	...	4·91	124·7	2·02	12
	California	...	5·62	142·7	2·57	10
	Australia	...	5·85	148·6	...	18
2 & 3	Union Régnard S.E.(Flacq)...	600	4·12	104·6	2·39	13
	Constance d'Arifat L.G. ...	100	3·31	84·1	2·21	10
	Rich Fund	600	3·79	96·3	2·64	14
	La Joffrette	...	4·27	108·5	...	7
	Belle Vue (Allendy) ...	...	3·32	84·3	2·70	12
4	Sans Souci	900	11·29	286·8	5·51	17
	Beau Champ (G.R.S.E.) ..	20	2·49	63·2	2·32	8
	Olivia	400	5·49	139·4	4·15	11
	Trois Ilots	...	2·87	72·9	..	10
	Belle Rive	400	5·94	150·9	5·11	12
	Sébastopol	700	...	...	...	...
	Bonne Veine	400	8·47	215·1	5·05	16
5	Rose Belle	850	9·50	241·3	6·19	17
	New Grove	650	8·56	217·4	...	13
	Mon Trésor	...	5·41	137·4	...	9
	Mon Désert (Carié) ...	75	5.05	128·3	2·80	9
	Ferney	20	6·70	170·2	3·50	7
	Sauve Terre	...	3·81	96·8	...	9
6	Tivoli	1,300	9·08	230·6	5·69	21
	La Flora...	1,050	8·37	212·6	5·28	21
	Riche Bois (Brit.) ...	650	5·19	131·8	4·08	16
	Britannia (Estate) ...	700	6·53	165·9	4·35	16
	Savannah (Mill) ...	200	2·27	57·7	2·79	6
	St. Aubin	300	3·97	100·8	2·75	10
	St. Avold	900	7·88	200·2	4·39	15
	Colmar	400	6.87	174·5	3·35	14
	Union S. E.	...	4·73	120·1	2·31	9
	Fontenelle	320	5·73	145·5	2·92	10
	Choisy	200	3·12	79·2	2·31	11
	Beau Bois	...	5·99	152·1	4·43	10
	Bel Air	...	2·05	52·1	2·53	5
	St. Félix	...	2·76	70·1	...	4
7,8,9&10	Bel Ombre	40	3·93	99·8	2·22	11
	Beau Champ (B.du Cap)	70	4·48	113·8	2·15	11
	Frédérica	...	5·05	128·3	2·76	11
	Pierre Fond	...	7·31	185·7	1·83	9
	Ste. Marie	...	5·20	132·1	...	11
	Hussonia Limited ..	...	5·39	136·9	...	5
11	Curepipe Gardens ...	1,840	9·50	241·3	4·64	31
	Mare aux Vacoas (G.E.)	1,850	6·48	164·6	5·87	14
	Mare aux Vacoas (Arn.)	1,830	7·50	190·5	5·79	15
	La Marie Filter Bed ..	1,700	6·67	169·4	3·60	13
*	Sophie	...	7·01	176·0	...	22
	Réunion	1,420	7·06	179·3	2·97	14
*	Aerological Station ...	1,393	6·27	159·2	2·65	20
	Phœnix	...	5·21	130·3	2·33	7
	Quatre Bornes... ...	...	41·8	106·2	...	4
12	Quatre Bornes (Board) ...	1,090	5·61	142·5	...	8
*	Le Réduit (D. of A.) ...	1,000	4·41	112·1	1·75	25
	Alma...	1,460	8·29	210·6	4·68	13
	Bagatelle	1,250	6·95	176·5	2·05	10
	Highlands	1,300	5·55	141·0	3·21	10
	Trianon	950	5·37	134·4	1·86	8
	Val Ory	1,100	5·30	134·6	2·05	10
	Bassin	...	6·43	163·3	2·00	7
	Hermitage	1,450	9·05	229·9	3·45	10
	Ebene	...	5·54	140·7	...	8
	Bega...	...	5·70	144·8	...	7
	Mon Rêve	...	4·81	122·2	...	8
	Mont Pevril	...	5·63	143·0	...	7
	Minissy	1,150	5·47	138·9	2·15	8
	Plaisance	...	6·23	158·2	...	5
	La Ferme	350	7·56	192·0	1·20	5

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of OCTOBER 1936.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°			°		°		°		°		°		°	
1	...	...	...	...	...	...	..	...	...	...	...	...	...	14¼	...	...	120	14·8*	...	...	...	...	...	...	...	...
2	11½	90	6·8*	120	2.9*	...	...	...	...	...	..	...	...	14½	122	6·1*	122	6·8*	...	...	...	...	...	...	...	...
3	...	.	...	...	...	...	...	...	...	...	...	...	...	14¼	65	7·0*	60	8·9*	...	...	76	7·2*	...	...	...	...
4	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	11½	..	...	72	5·8*	60	9·5*	...	...	...	...	...	...	14½	...	...	75	7·5*	62	4·1*	...	...	...	...	...	...
6	11½	...	...	90	12·8	...	...	...	...	...	...	...	...	14¼	90	6·6*	75	5·8*	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	150	4·3*	187	3.6*	...	...	...	...	...	...	...	...
8	...	...	..	...	...	.	...	...	...	...	...	...	...	14¼	98	13·4	120	1·7*	...	...	...	...	...	...	...	...
9	11½	105	8·2*	97	5·3*	330	...	330	...	...	...	...	...	14¼	103	6·4	165	4·4*	...	...	..	...	...	...	...	...
10	...	...	...	..	.	...	...	...	...	...	...	...	...	14¼	...	...	120	8·5*	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
12	10	...	...	45	13·5	330	...	...	...	...	...	330	...	15¼	...	...	60	5·7	330	5·2	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	. .	...
15	9¼	90	15·8	90	8·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	10¼	75	3·9	60	4·4	...	...	...	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
17	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	..	...	...
22	...	...	...	..	...	...	...	...	...	...	...	...	...	14¼	...	...	90	5·5*	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	115	10·4*	240	2·3*	...	...	...	...	...	...	...	...
24	10	30	...	60	...	...	...	...	...	...	...	...	...	14¼	...	...	112	5·9*	..	...	...	...	...	...	...	...
25	9½	90	10·1	75	12·4	...	...	...	...	...	...	...	...	14¼	65	6·5*	90	9·4*	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	...	...	82	12·2*	...	...	. .	...	..	...	...	...
27	10	120	29·6	135	10·6	...	...	...	...	...	...	...	...	14¼	135	7·8*	120	9·5*	...	...	...	...	..	..	...	...
28	10	105	16·1	105	16·1	..	...	...	...	...	...	...	...	14¼	...	...	330	1·0*	345	6·8*	...	...	...	...	..	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	120	10·7*	125	10·1*	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	103	5·0*	112	18·3*	...	...	...	...	. .	..	...	...
31	9¾	120	24·2	135	14·9	...	...	...	...	...	...	...	.	14¼	135	7·2*	165	4·6*	...	...	...	...	...	...	..	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec.

* Observatory Pamplemousses.

158/6/37—R.A.O. 250

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NEW SERIES (MONTHLY) VOL. XXII. PART 11. PRICE 0.75

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

NOVEMBER, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

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1937

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF NOVEMBER, 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HRH: 10000	ZRZ: 10000
Nov.	° ′			′				
1	13°14·8	·22467	·29710	18·2	40	50	90	146
2	15·5	489	712	13·0	42	36	94	107
3	15·7	476	712	16·8	85	36	191	107
4	15·3	468	718	12·3	33	23	74	68
5	15·9	486	713	12·5	28	42	63	125
6	14·9	492	710	14·5	58	40	131	119
7	16·4	489	718	9·0	82	21	184	62
8	14·3	492	711	16·0	54	34	122	101
9	15·5	492	716	8·5	38	19	85	56
10	15·8	502	712	9·5	52	37	117	110
11	16·7	485	714	14·0	97	43	218	128
12	15·9	468	721	13·0	81	27	182	80
13	16·2	500	718	11·0	32	27	72	80
14	15·5	502	713	14·5	26	38	59	113
15	15·5	497	713	12·5	100	47	225	140
16	16·3	490	718	13·0	59	32	133	95
17	16·8	493	714	9·3	48	35	108	104
18	15·7	488	714	12·0	42	29	94	86
19	15·9	496	712	10·5	47	50	106	149
20	16·3	488	717	11·0	48	20	108	59
21	16·3	491	721	8·5	32	19	72	56
22	16·3	492	718	7·7	21	22	47	65
23	16·8	497	714	6·7	18	31	41	92
24	16·3	510	711	8·3	41	31	92	92
25	16·1	516	719	9·0	35	25	79	74
26	16·1	524	712	11·0	69	49	155	146
27	16·4	508	716	9·3	33	40	74	119
28	16·5	513	717	9·4	19	33	43	98
29	16·5	461	728	17·0	163	14	367	42
30	16·5	462	727	12·5	52	42	117	125
Mean	13°15·96	·22491	·29716	11·68	52·5	33·1	118·1	98·2

Description of the Principal Magnetic Disturbances.

Declination.—9d. Disturbed between 6h. and 8h. Irregular oscillations on the trace.
11d. Disturbed at end.
15d. Slightly disturbed.

Horizontal Force.—2d. 18h 15m. Sudden commencement of a short and slight disturbance.
3d. Slightly disturbed. at end.
6d. and 7d. Slightly disturbed.
9d. Slightly disturbed during first half. Small and rapid oscillations on the trace between 6h and 8h.
10d. and 11d. Moderately disturbed. Irregular fluctuations of small amplitude on the trace between 10d 11h and 10d. 12h; between 10d. 20h and 10d. 22h; between 11d. 20h and 12d. 2h.
15d. Moderately disturbed during second half. Sharp negative peak between 18h and 20h.
17d. Slightly disturbed during first half.
18d. Slightly disturbed.
26d. 13h Sudden increase (29γ) with sharp recovery.
29d. 3h 45m. Sudden commencement with an increase of (41γ) of a short but intense disturbance. Continuous oscillations superposed on a largely fluctuating trace. Rapid variations at times attain 43γ.

Vertical Force.—2d. Sudden commencement at 18h 15m with a small sharp positive wave of a slightly and short disturbed period.
3d Slightly disturbed at end.
9d. Disturbed from 6h to 8h. Irregular small fluctuations in the trace.
10d., 11d. and 12d. Slightly disturbed at times.
15d, 16d and 17d. Very slightly disturbed.
18d. Small fluctuations at times on a quiet trace.
26d. 12h. Small sudden isolated oscillation (10γ) on an otherwise quiet trace.
29d. 3h 30m. Sudden commencement with an increase of (17γ) of a short but intense disturbance which dies down during the late hours of 29d. Continuous oscillations on a largely fluctuating trace. Rapid variations of times attain 27γ.

T=·37267 : Mean Dip=52° 52·77′ : (X=·21891 : Y=−·05161 : Z=·29716).

† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of NOVEMBER 1936.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
d h m	° ′	d h m		d h m	° ′	
10·11.32	13·13·7	4· 9·12	·22470	10.11.15	52.49.81	·29684
13·11·57	13·12·7	7· 9·31	·22510	13·12·00	52·51·68	·29735
20·15·02	13·10·6	17· 9·07	·22490	20·14·48	52·52·56	·29702
		19· 9·32	·22505			
		21· 9·46	·22507			
		25· 9·06	·22508			
		28· 9·34	·22510			

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

NOVEMBER 1936

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	15·8	16·0	15·7	16·0	16·0	16·3	16·5	17·0	16·5	16·5	17·0	19·0	17·0	16·5	16·3	16·0	Midnight
1h	16·0	16·5	16·0	16·5	16·0	16·5	16·3	16·3	16·3	16·5	17·3	17·0	16·7	16·7	16·3	16·0	1h
2	16·5	16·5	17·0	16·0	16·0	16·0	16·2	16·0	16·0	16·7	17·0	16·5	16·7	17·0	16·3	16.0	2
3	16·7	17·0	17·3	15·7	16·3	16·0	15·7	16·5	16·0	16·5	17·0	17·0	17·0	17·0	16·5	16·0	3
4	17·5	17·3	17·5	17·0	17·0	16·3	16·0	16·7	17·5	16·7	17·3	17·0	17·5	17·3	17·0	17.7	4
5	18·3	17·7	18·3	17·5	17·0	16·7	16·7	17·0	18·0	17·0	17·5	18·0	19·0	18·5	17·3	18·5	5
6	20·0	18·3	19·5	19·5	18·0	18·5	18·0	18·0	18·0	18·0	19.0	21·5	20·0	20·5	18·5	20.0	6
7	22·0	20·5	23·0	19·0	18·0	21·0	20·0	20·0	19·0	20·3	23·0	20·7	21·0	21·0	22·0	22·0	7
8	22·7	22·0	24·5	20·0	21·0	21·5	21·0	20·0	16·5	20·5	24·0	20·0	21·5	21·0	22·5	22·0	8
9	20·0	20·0	20·0	19·0	22·5	18·0	20·0	09·0	16·5	18·0	21·0	19·0	19·7	20·0	19·0	21·0	9
10	16·5	18·5	17·0	18·0	21·0	15·0	19·0	07·0	15·5	16·0	18·0	18·0	18·0	18·5	17·0	18.0	10
11	11·0	15·0	13·5	13·0	18·0	13·0	17·0	04·0	13·5	14·0	13·0	15·0	15·0	15·0	13·0	15·0	11
Noon	08·0	12·0	10.3	11·0	13·0	10·0	15·0	12·0	12·0	14·3	10·5	11·0	13·0	10·5	10·0	13·0	Noon
13h	04·5	10·0	08·0	09·0	10·0	08·0	12·5	10·0	11·0	13·0	10·0	09·0	11·0	06·5	10·0	10·0	13h
14	06·0	09·0	07·7	07·7	10·0	07·0	12·0	09·5	10·5	11·5	10·0	08·5	10·5	07·0	10·0	09·0	14
15	07·5	09·5	08·3	10·0	10·5	08·5	12·3	10·0	12·0	11·0	11·0	10·0	12·3	08·5	10·0	10·0	15
16	10·0	11.7	11·0	12·0	12·0	10·5	13·7	11·5	14·0	13·0	13·0	12·5	13·5	11·0	10·5	13·0	16
17	14·0	14·0	13·0	14·5	14·5	13·0	15·0	14·0	16·0	14·0	15·5	15·0	15·7	14·0	13·0	16·0	17
18	14·2	15·3	15·0	16·0	16·0	14·5	16·3	15·5	16·0	15·7	17·5	16·3	16·0	15·5	15·0	17·3	18
19	15·0	14·5	15·5	15·7	15·5	14·7	16·7	16·0	16·0	15·5	17·0	16·0	15·3	15·7	17·0	16·5	19
20	15·5	14·3	16·7	16·0	15·7	15·5	17·0	17·0	16.5	16·0	17·0	16·0	15·3	16·0	17·0	18·0	20
21	15·7	14·7	17·0	16·0	16·0	16·0	16·7	17·0	16·0	15·7	20·0	16·0	15·5	16·5	16·0	17·0	21
22	16·0	15·2	18·0	16·0	16·0	17·0	16·7	17·5	16·0	16·5	17·5	16·5	15·5	16·3	16·0	16.5	22
23	16·0	15·5	18·0	16·0	16·0	17·0	17·5	17·0	16·0	17·0	19·0	16·7	15·7	16·3	16·0	16·7	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	...	Mean	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	16·0	16·5	16·5	16·7	16·5	16·7	17·0	17·0	17.0	16·7	19·0	16·7	16·7	16 7	...	16·7	Midnight
1h	16·0	15·5	14·5	16·0	16·2	16·5	17·0	17·0	17·0	16·5	17·5	16·7	17·0	17 0	...	16·4	1h
2	16·0	15·0	15·5	15·8	16·0	16·5	16·7	17·0	16·7	16·7	17·0	17·0	17·3	17·0	...	16·4	2
3	16·0	16·0	16·0	16·5	16·2	16·5	17·0	17·0	17·0	16·7	17·0	17·5	17·5	17·5	...	16·6	3
4	17·0	16·5	16·5	17·0	16·3	16·0	17·0	17·3	16·5	16·7	17·5	18·0	17·0	17·7	...	17·0	4
5	17·0	16·7	17·0	18·0	16·0	16·5	17·5	17·5	17·0	17·0	18·0	18·3	17·3	18·4	...	17·5	5
6	19·5	17·5	18·3	19·0	16·7	16·5	18·7	18·0	17·5	18·0	19·0	19·0	18·5	20·0	...	18·7	6
7	21·5	20·5	20·0	21·3	18·0	18·0	20·0	20·0	19·0	20·0	20·5	21·0	27·0	21·0	...	20·7	7
8	22·3	21·0	20·5	21·5	19·5	19·5	20·0	20.3	20·0	20·7	21·0	21·7	24·0	21·5	...	21·1	8
9	21·0	21·5	20·5	21·0	20·3	19·7	19·5	19·0	19·5	21·0	20·3	20·5	15·0	20·3	...	19·4	9
10	19·5	18·5	20·0	10·5	20·5	19·5	19·3	18·0	17·5	19·7	18·7	19·0	14·0	19·5	...	17·5	10
11	18·0	15·0	17.0	20·0	19.0	18·0	18·0	16·0	15·0	16·0	18·0	17·5	11·5	17·0	...	15·1	11
Noon	13·0	12·0	13·5	17·5	17·0	17·3	17·0	14·7	12·5	12·0	14·3	15·0	10·0	13·5	...	12·8	Noon
13h	13·0	10·5	11·5	14·0	14·0	15·0	15·0	14·0	11·7	10·5	12·5	13·0	11·0	11·0	...	11·0	13h
14	13·5	09·5	10·0	12·0	12·0	13·0	13·5	12·0	11·0	10·0	11·7	12·3	13·0	09·0	...	10·3	14
15	14·0	10·0	10·0	10·5	12·0	12·0	13·3	12·0	13·0	11·5	12·0	12·5	14·0	10·0	...	10·9	15
16	15·5	10·5	12·0	12·0	13·0	13·0	14·0	13·0	14·5	13·0	13·0	14·0	14·5	11·5	...	12·5	16
17	16·3	14·0	14·0	14·0	15·0	15·0	15·0	14·3	16·5	14·7	14·5	14·7	16·5	14·0	...	14·7	17
18	16·4	15·5	15·5	15·5	16·0	15·5	16·3	14·7	16·7	16·3	15·5	15·5	18·0	16·5	...	15·9	18
19	16·0	17·0	16·0	16·0	15·7	15·7	16·5	16·0	16·7	15·3	15.3	15·0	18·0	16·7	...	16·0	19
20	16·5	17·5	16·3	16·5	15·5	15·7	16·0	16·0	16·0	15·5	15·5	14·7	17·0	17·7	...	16·2	20
21	17·0	17·0	16·5	16·5	16·3	16·0	16·0	16·0	16·0	15·5	15·7	15·0	17·0	18·0	...	16·4	21
22	16·3	17·3	16·5	16·7	16·5	16·5	16·5	16·5	16·5	17·0	16·0	15·5	16·5	17·5	...	16.5	22
23	16·5	16·7	16·5	17·0	16·7	16·7	17·0	16·7	16·7	18·0	16·3	16·0	17.0	17·0	...	16·7	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)

NOVEMBER 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	447	469	492	450	477	483	482	478	478	485	491	446	491	496	500	480	Midnight
1h	451	469	493	447	478	483	481	479	480	487	488	455	492	497	501	493	1h
2	457	472	495	452	479	481	481	490	492	488	495	490	493	499	502	500	2
3	457	473	500	460	479	480	497	483	493	487	492	425	497	498	505	495	3
4	458	475	500	460	477	482	490	481	493	495	489	430	497	497	504	487	4
5	457	479	497	465	478	485	487	481	495	497	487	425	495	493	505	485	5
6	461	481	495	475	477	482	481	482	485	491	489	427	490	495	507	492	6
7	462	481	492	480	485	480	480	492	490	495	491	425	491	500	518	497	7
8	467	475	495	475	487	485	482	498	487	502	505	428	494	501	529	498	8
9	472	478	508	473	491	505	498	499	500	517	520	427	500	511	530	500	9
10	472	483	507	481	491	517	517	500	515	521	522	493	514	519	513	505	10
11	471	495	504	472	489	517	522	517	507	535	532	497	518	518	515	515	11
Noon	475	507	499	468	489	530	535	522	507	517	537	501	519	517	517	517	Noon
13h	487	511	497	477	492	529	537	520	506	520	520	506	522	513	520	508	13h
14	479	507	490	477	495	515	515	510	502	515	507	500	520	507	521	500	14
15	475	500	475	470	505	507	499	502	490	513	490	493	515	504	509	485	15
16	475	492	465	470	500	500	492	500	481	509	472	486	505	500	500	470	16
17	474	485	430	470	489	487	483	499	477	503	458	484	497	503	483	458	17
18	469	487	425	465	482	478	463	490	477	497	443	475	491	502	469	462	18
19	466	502	423	459	481	480	455	480	479	492	440	478	490	501	430	475	19
20	463	503	425	460	482	481	459	468	480	491	440	480	490	495	450	475	20
21	462	505	445	472	482	481	466	475	491	505	445	481	490	495	465	483	21
22	465	501	432	470	483	472	470	477	498	492	464	477	491	493	473	480	22
23	470	500	450	475	483	477	467	479	496	483	445	483	492	499	478	490	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day. \ Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	485	490	482	490	480	492	491	498	511	512	492	506	511	435	...	484·0	Midnight
1h	495	493	492	505	479	491	490	498	510	513	495	507	513	440	...	485·5	1h
2	492	505	491	502	480	490	490	500	512	515	501	508	512	442	...	490·2	2
3	494	498	490	504	482	492	492	500	513	513	505	507	513	444	...	488·9	3
4	491	495	492	500	483	496	493	500	513	512	503	512	560	448	...	490·4	4
5	492	497	489	501	488	493	492	501	512	513	503	511	544	449	...	489·9	5
6	492	495	492	499	487	492	497	501	510	519	509	510	533	452	...	489·9	6
7	495	490	490	503	489	495	498	503	509	527	517	508	525	451	...	492·0	7
8	507	490	488	505	494	498	497	510	511	540	522	507	475	452	...	493·5	8
9	512	492	497	503	500	501	498	518	509	560	525	510	475	460	...	499·6	9
10	519	503	508	501	508	503	500	529	518	559	521	515	455	470	...	506·0	10
11	525	507	523	497	509	502	502	537	529	560	518	519	445	481	...	509·3	11
Noon	510	497	525	495	508	500	503	539	520	558	515	520	435	482	...	508·8	Noon
13h	507	497	525	497	500	500	508	535	541	545	505	517	410	487	...	508·0	13h
14	487	501	518	493	493	495	507	522	540	527	505	521	397	482	...	501·6	14
15	485	485	507	480	488	490	498	510	530	523	507	518	415	475	...	494·8	15
16	479	478	490	468	486	486	493	500	517	520	507	512	425	469	...	488·2	16
17	477	470	492	457	477	485	499	499	513	518	508	513	420	466	...	482·5	17
18	478	465	486	457	483	486	499	503	508	514	509	514	405	467	...	478·3	18
19	483	467	488	463	490	485	496	503	510	515	505	525	415	467	...	478·1	19
20	480	470	481	468	492	482	498	500	509	517	503	520	427	461	...	478·3	20
21	480	482	478	473	491	487	499	502	508	509	503	515	430	463	...	482·1	21
22	483	479	489	475	490	488	499	509	510	502	502	513	432	468	...	482·6	22
23	484	478	487	478	492	490	500	510	511	491	506	512	431	469	...	483·5	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)

NOVEMBER 1936

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	721	718	715	723	720	717	718	720	719	718	715	725	720	719	718	722	Midnight
1h	721	718	716	723	720	718	719	720	719	719	715	722	718	718	718	721	1h
2	721	716	717	721	720	719	719	719	719	719	715	720	719	717	717	720	2
3	721	716	717	721	720	719	718	720	718	719	716	721	719	718	717	720	3
4	721	717	717	721	721	719	719	721	720	720	719	722	720	719	719	722	4
5	722	717	718	724	722	719	720	721	720	720	720	725	720	720	720	724	5
6	727	719	719	726	723	723	722	723	719	721	726	731	723	721	723	728	6
7	728	726	725	725	725	728	725	722	720	729	732	733	730	726	728	732	7
8	724	729	716	725	727	720	724	718	718	723	724	730	730	725	725	731	8
9	710	722	701	724	724	703	721	711	718	712	710	730	725	7 9	718	726	9
10	702	717	701	717	717	696	718	705	715	709	703	731	718	713	707	718	10
11	693	709	700	711	704	691	714	694	710	708	697	725	711	708	695	709	11
Noon	685	698	695	711	696	688	710	689	707	702	691	712	706	696	681	700	Noon
13h	678	693	689	705	685	689	704	690	703	699	689	706	703	688	683	700	13h
14	680	696	689	703	691	690	707	692	704	692	693	709	704	690	691	701	14
15	690	701	698	709	700	698	710	699	711	693	701	712	710	699	698	709	15
16	699	708	708	715	706	703	713	702	717	699	710	718	717	705	705	714	16
17	706	712	712	720	712	710	719	710	722	703	715	721	720	710	713	721	17
18	711	712	717	720	714	713	721	712	720	711	720	721	719	712	720	722	18
19	711	709	718	719	713	713	722	713	716	711	720	720	718	712	726	719	19
20	715	709	721	719	713	714	721	716	716	712	722	720	718	713	724	721	20
21	717	711	723	719	714	715	721	716	718	714	730	720	719	717	722	720	21
22	719	712	725	719	715	719	721	717	717	712	722	721	719	719	721	721	22
23	719	714	725	719	717	718	721	718	717	715	723	721	719	718	723	721	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	·29000+(C.G.S. UNIT.)																
Midnight	719	720	721	720	721	721	721	720	717	720	721	721	721	733	...	720·1	Midnight
1h	719	720	720	717	721	721	721	720	719	720	720	721	721	732	...	719·9	1
2	719	719	720	717	721	720	721	721	719	721	721	721	721	733	...	719·7	2
3	719	719	721	718	721	720	722	721	720	721	721	722	722	734	...	720·0	3
4	720	719	721	719	721	720	722	721	720	722	724	723	720	734	...	720·8	4
5	720	720	722	719	721	720	723	721	721	725	726	725	722	736	...	721·8	5
6	724	721	726	721	722	722	725	723	722	728	731	730	725	741	...	724·5	6
7	728	726	728	722	728	727	726	725	728	730	733	732	733	743	...	728·1	7
8	725	723	730	722	730	728	721	720	729	725	732	731	732	739	...	725·9	8
9	721	713	723	721	730	722	720	711	723	716	725	727	730	729	...	719·5	9
10	711	700	717	723	731	720	717	704	723	703	718	721	725	723	...	714·1	10
11	704	698	704	719	723	717	714	698	720	695	711	713	729	718	...	708·1	11
Noon	694	698	689	712	716	715	710	697	714	685	703	705	728	704	...	701·2	Noon
13h	693	697	680	707	712	711	702	694	706	681	699	700	727	701	...	697·1	13h
14	698	697	681	703	713	706	696	694	704	694	696	699	731	706	...	698.3	14
15	705	700	690	705	717	707	695	699	711	700	693	699	731	713	...	703·4	15
16	710	709	700	712	719	710	701	701	713	706	700	706	731	721	...	709·3	16
17	713	714	707	718	723	716	705	703	719	710	706	711	730	729	...	714·3	17
18	713	718	711	719	722	719	709	707	720	713	711	715	731	732	...	716·8	18
19	714	719	712	717	720	718	711	711	719	713	713	714	731	730	...	716·7	19
20	716	721	714	719	719	719	713	712	719	714	716	717	731	731	...	717·8	20
21	720	720	718	719	719	719	715	713	719	716	718	719	732	733	...	719·2	21
22	719	721	719	721	720	720	717	716	719	720	720	720	733	732	...	719·9	22
23	719	721	719	721	721	720	718	716	719	721	720	721	734	732	...	720·3	23

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of NOVEMBER 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat 100).	Vapour Pressure.	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
Nov.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	967·1	23·6	4·6	15·6	61	17·6	65	3·6	6	17·8	22·9	26·1	19·7	26·2	17.6	8·6	0·0	0	10·6	83
2	968·7	22·9	2·5	18·5	76	21·1	70	5·4	9	18·1	20·0	24·3	18·7	24.9	18·1	6·8	1·1	6	9·2	72
3	968·7	23·5	4·1	16·4	64	18·5	70	7·2	6	17·9	23·3	24·0	18·8	25.7	17·8	7.9	0.0	0	11·5	90
4	968·8	22·9	3·8	16·2	66	18·2	60	7·6	6	17·2	23·5	25·0	19·5	25·4	17·0	8·4	0·0	0	10·5	82
5	969·2	23.9	4·3	16·4	63	18·5	70	5·8	4	18·1	22.8	23·4	18·0	26·3	18·0	8·3	0·0	0	8.2	64
6	969.7	24·0	4·1	17·0	65	19.2	90	3.1	6	18·0	22·7	24·4	19·8	25·8	18·0	7·8	0·8	11	8·0	62
7	970·3	22·4	2·5	18·0	76	20·4	110	4·5	7	18·0	21·7	25·0	19·1	25·6	17·8	7·8	1·3	9	10·2	79
8	970·4	22·7	4·0	15·6	64	17·6	90	6·3	9	17·1	22·0	24·5	18·7	25·1	17·1	8·0	0·0	0	10·8	84
9	970·4	23·1	3·9	16·3	66	18·4	110	6·7	8	17·7	22·8	23·3	19·8	24·6	17·7	6·9	0·0	0	10·9	84
10	970·8	20·1	0·6	19·0	93	21·8	80	5·8	10	18·5	18·8	23·2	19·1	23·8	18·1	5·7	4·5	55	7·4	57
11	968·8	22·4	4·5	14·5	61	16·4	80	6·7	7	14·9	21·7	24·1	18·9	25·6	14·6	11·0	0·7	10	10·7	82
12	968·0	24·8	4·9	16·4	60	18·5	90	6·3	3	18·4	23·4	22·5	20·0	26·0	18·4	7·6	0·9	20	6·8	52
13	967·3	22·3	2·0	18·8	80	21·5	100	4·5	6	19·4	22·0	22·9	21·0	24·3	19·0	5·3	0·0	0	6·3	48
14	966·6	25·1	3·3	19·5	71	22·4	65	3·1	9	19·5	24·4	21·7	20·9	26·4	19·1	7·3	106·8	240	5·6	43
15	967·0	24·5	3·1	19.2	72	22·0	45	1·8	9	19·0	23·8	27.0	21·7	27·2	19·0	8·2	0·0	0	11·1	85
16	967·3	22·9	1·2	20·8	88	24·3	45	2·2	10	19·0	21·0	25·3	21·0	26·2	19·0	7·2	2·3	31	5·0	38
17	967·0	24·4	2·4	20·3	78	23·6	Calm		9	17·8	21·0	26·8	21·5	27·1	17·7	9·4	3·3	86	3·9	30
18	966·5	25·2	3·5	19·2	69	22·0	20	1.8	7	19·6	24·7	27·6	21·0	27·6	19·6	8·0	0·0	0	11·0	84
19	967·6	25·9	3·4	20·1	70	23·3	300	1·8	8	19·6	24·8	27·9	22·0	28·0	19·6	8·4	0·5	39	7·5	57
20	969·2	23·3	1·1	21·4	89	25·2	80	3·1	10	20·1	22·0	27·3	20.3	27·3	20·0	7·3	1·1	19	5·3	40
21	969·6	25.8	4·4	18.3	63	20·8	Calm		8	19·7	24·0	27·3	23·1	27·3	19·0	8·3	0·0	0	5.0	38
22	968·8	25·2	3·7	18·9	68	21·6	240	1·3	10	18·0	25·1	23·5	20·5	26·5	17·0	9·5	8·6	278	4.0	31
23	969·1	21·1	0·6	20·0	93	23·2	70	8·9	10	19·6	20·0	20·8	19·1	23·0	18.9	4·1	14·3	513	4.8	37
24	969·8	21·4	0·5	20·5	95	23·9	90	7·2	10	19·2	30·0	20.9	19·2	23·0	19·2	3·8	4·3	122	5·7	44
25	969·0	23·0	2·8	18·1	74	20·6	70	7·6	7	18·6	23·5	24·2	20·2	24·6	18·5	6·1	0·8	16	9·4	72
26	968·1	23·9	3·0	18·7	73	21·4	70	7·2	8	20·0	23·6	23·0	21·0	24·4	19·4	5·0	1·0	55	4·2	32
27	966.2	21·7	0·8	20·3	92	23·6	20	6·3	10	20·1	20·5	23·3	22·5	23·7	20·0	3·7	15·4	242	0·0	0
28	965·7	24·5	2·1	20·9	81	24·5	285	1·3	7	21·8	22·6	26·0	21·0	27·4	21·4	6·0	6·5	34	5·0	38
29	964·9	25·9	4·3	18·6	64	21·2	Calm		7	18·0	25·7	28·8	20·4	29·0	16·8	12·2	0·0	0	10·2	77
30	965.6	22·6	1·7	19·6	83	22·6	Calm		9	18·1	20·0	26·9	18·5	27·7	18·1	9·6	1·8	38	8·2	62
Mean	968·2	23.5	2·9	18·4	73·9	21·1	...	4·2	7·8	18·6	22·5	24·7	20·2	25·9	18·4	7·5	176.0	1834	7·57	58·2
Average	968·3	22·9	3·1	17·4	71·9	19·9	...	4·0	6·5	...	...	...	...	24·7	17·6	7·1	141·6	...	7·13	54·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+ 41·8mbs.	Amount of rain	— 129·1mms.
Temperature of the Air	+ 3·5°C	Duration of sunshine	+ 47·8hrs.
Vapour Pressure	+ 1·1mbs.	Mean of maximum temperatures	+ 3·0°C
Relative Humidity	— 11·6%	,, minimum temperatures	+ 2·7°C
Velocity of Wind	+ 0·4mps.	Absolute maximum temperature	+ 3·1°C
Amount of Cloud	— 0·9	,, minimum temperature	+ 4·7°C

Greatest Rainfall intensity at Vacoas. 78·9 mms. in 1 h. 15 minutes.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1936

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
Nov.	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mms.	min	mms.	
1	1008·8	− 1·6	27·6	20·0	7·6	23·5	+ 0·6	3·1	18·1	+ 1·2	72	+ 2	20·6	18·1	0·0	...	7·4	4·7
2	1009·8	− 0·6	27·6	20·8	6·8	23·7	+ 0·7	3·3	18·0	+ 0·9	70	+ 1	20·4	19·4	0·0	...	8·0	6·8
3	1010·4	0·0	27·0	20·5	6.5	23·4	+ 0·4	3·5	17·3	+ 0·2	69	0	19·6	19·1	0·0	...	7·9	4·3
4	1010·2	− 0·1	27·2	19·3	7·9	23·5	+ 0·4	3·4	17·6	+ 0·4	69	0	19·9	16·0	0·0	...	8·2	4·5
5	1010·7	+ 0·4	25·2	20·9	7·3	23·9	+ 0·8	3·6	17·6	+ 0·4	68	− 1	19·9	19·6	0·1	8	8·2	3·6
6	1011·4	+ 1·2	28·3	20·2	8·1	23·7	+ 0·5	3·0	18·5	+ 1·2	73	+ 4	21·1	18·6	0·8	25	7·8	5·5
7	1012·0	+ 1·8	28·0	20·0	8·0	23·6	+ 0·3	3·4	17·7	+ 0.3	70	+ 1	20·1	18·3	0·1	5	7·1	4·3
8	1012·0	+ 1·9	28·1	19·6	8·5	23·4	+ 0·1	3·8	16·8	− 0·6	66	− 3	18·9	16·8	0·0	...	7·7	3·9
9	1012·0	+ 2·0	28·0	20·4	7·6	23·6	+ 0·2	3·4	17·7	+ 0·2	70	+ 1	20.1	17·1	2·5	37	8·0	4·5
10	1011·7	+ 1·7	27·8	19·6	8·2	23·3	+ 0·1	3·6	17·0	− 0·5	68	− 1	19·2	18·6	0·9	30	7·4	4·1
11	1010·7	+ 0·8	27·9	20·0	7·9	23·5	− 0·0	4·3	16·0	− 1·6	63	− 6	18·0	17·8	0·5	10	8·7	3·1
12	1008·8	− 1·1	28·5	21·4	7·1	24·3	+ 0·8	3·7	17·9	+ 0·5	68	− 1	20·3	20·0	0·0	...	9·1	5·3
13	1007·7	− 2·2	28·1	20·9	7·2	24·0	+ 0·4	2·8	19·2	+ 1·7	74	+ 5	22·0	19·1	0·0	...	7·3	5·8
14	1007·8	− 2·0	30·1	21·7	8·4	24·9	+ 1·3	3·0	19·7	+ 2·2	73	+ 4	22·7	20·2	0·0	...	7·2	5·5
15	1008·3	− 1.5	31·0	22·1	8·9	25·8	+ 2·1	3·2	20·3	+ 2·7	72	+ 3	23·6	21·0	0·0	...	7·4	4·8
16	1008·0	− 1·8	30·0	2·20	8·0	25·3	+ 1·6	2·5	21·0	+ 3·4	77	+ 8	24·6	20·0	1·5	15	7·5	4·8
17	1007·9	− 1·8	30·8	21·6	9·2	26·0	+ 2·2	3·1	20·8	+ 3·1	73	+ 4	24·3	19·9	0·3	17	7·5	5·3
18	1007·7	− 2·0	32·1	21·7	10·4	26·3	+ 2·5	3·4	20·6	+ 2·9	71	+ 2	24·0	19·2	0·0	...	8·0	4·6
19	1009·0	− 0·6	31·1	21·9	9·2	26·1	+ 2·2	3·3	20·5	+ 2·5	71	+ 2	23·9	20.1	0·0	...	7·4	6·5
20	1010·1	+ 0·6	30·3	22·2	8·1	25·3	+ 1·3	2·7	20·7	+ 2·7	76	+ 7	24·2	20·4	0·6	10	7·1	5·8
21	1010·5	+ 1·1	32·0	21·0	11.0	26·0	+ 2·0	3·7	19·8	+ 1·6	69	− 1	22·9	19·0	0·0	...	7·9	4·0
22	1009·9	+ 0·6	29·1	20·8	8·3	24·3	+ 0·3	2·0	20·9	+ 2·7	81	+ 11	24·5	18·4	15·1	179	8·0	6·6
23	1010·5	+ 1·3	25·9	21·6	4·3	22·7	− 1·4	0·9	21·1	+ 2·8	91	+ 21	24·8	20·8	4·0	240	1·9	8·6
24	1011·0	+ 1·9	25·7	21·8	3·9	23·3	− 0·9	1·9	20·0	+ 1·6	82	+ 12	23·2	20·6	1·1	79	2·8	9·0
25	1010·1	+ 1·1	27·6	21·7	5·9	24·5	+ 0·3	3·5	18·5	+ 0·1	69	− 1	21·1	20·5	0·3	17	6·8	7·4
26	1008·9	+ 0·1	27·1	22·5	4·0	24·6	+ 0·3	2·8	19·3	+ 1·3	75	+ 5	22·9	22·0	0·2	10	8·0	8·6
27	1006·7	− 2·0	27·4	23·0	4·4	24·8	+ 0·4	1·5	22·2	+ 3·0	86	+ 16	26·5	21.9	5·5	159	2·8	9·6
28	1006·3	− 2·3	29·9	22.2	7·7	25·7	+ 1·2	2.2	22·0	+ 3·3	80	+ 10	26·2	22·0	6·3	42	4·4	6·8
29	1005·7	− 2·8	30·9	20·9	10·0	25·4	+ 0·9	3·1	20·1	+ 1·4	73	+ 3	23·3	18·9	0·0	...	8·0	4·8
30	1006·5	− 1·9	30·0	21·3	8·7	25·0	+ 0·4	2·8	20·2	+ 1·3	75	+ 5	23·4	20·2	7·1	36	6·8	5·3
Mean	1009·4	− 0·2	28·8	21·1	7·7	24·4	+ 0·7	3·0	19·3	+ 1·5	73·1	+ 3·7	22·2	19·8	Sum 46·9	Sum 919	7·1	5·6
Aver.	1009·6	...	28·4	19·6	8·8	23·7	...	3·4	17·8	...	69·4	...	20·2	16·7	44·6	716	6·7	5·0
column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF NOVEMBER 1936.

There was no cyclonic activity during the month.

Pressure went through a succession of negative and positive waves of about seven days duration.

Temperature was unusually high, specially between the 12th and 21st. This was also a period of high humidity and low wind velocity. In the mean for the month, temperature and humidity were markedly above average.

Rainfall was about normal both in amount and duration.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1936

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather (0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h)
NOVEMBER	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	12·0	94	2·9	− 0·5	24·2	24·4	25·5	26·1	c : bc : b : bc
2	11·5	90	3·6	+ 0·2	24·2	24·4	25·5	26·6	c : : bc : b : bc
3	11·2	88	3·9	+ 0·5	24·1	24·4	25·6	26·4	bc : bq$_0$: b
4	10·0	78	3·6	+ 0·2	24·1	24·5	25·7	26·3	bc : b
5	11·7	91	3·1	− 0·3	24·0	24·5	25·8	26·6	bc : b : bc : b
6	10·2	79	3·0	− 0·4	24·1	24·5	25·9	26·8	cr$_0$: bc : b
7	9·2	71	3·6	+ 0·2	24·1	24·5	26·0	26·8	b : bd$_0$: bc
8	11·8	91	3·4	0·0	24·1	24·6	26·0	26·4	bc : b : bcq$_0$: : b
9	10·5	81	4·2	+ 0·8	24·2	24·6	26·1	26·6	b : cr$_0$r$_0$: bc : b
10	10·2	79	4·6	+ 1·1	24·1	24·6	26·0	26·5	b$_0$: or$_0$r$_0$: cq$_0$: bcq$_0$: b
11	11·4	88	3·6	+ 0·1	24·1	24·6	26·0	26·5	b : bcr$_0$: bc : b
12	10·4	80	4·1	+ 0·6	24·1	24·6	26·0	26·5	b : bc : c : bc
13	8·1	62	3·9	+ 0·4	24·1	24·6	26·1	26·8	b : bc : cg : c
14	8·7	67	3·0	− 0·5	24·1	24·7	26·2	26·9	bc : c : bc
15	11·1	85	2·6	− 0·9	24·2	24·8	26·3	27·3	bc : b
16	9·5	73	2·4	− 1·1	24·1	24·7	26·5	27·5	bc cr$_0$: bc : b
17	9·0	69	1·7	− 1·8	24·1	24·7	26·6	27·9	bd$_0$: cd$_0$ bc
18	11·9	91	2·5	− 0·9	24·1	24·8	26·9	28·3	b bc
19	9·0	69	2·1	− 1·3	24·1	24·8	27·0	28·5	bc : c : bc
20	8·6	66	2·8	− 0·6	24·1	24·8	27·2	28·8	cr$_0$: c : cr$_0$: c : bc : b
21	12·1	94	2·3	− 1·1	24·1	24·9	27·4	28·8	b : bc
22	4·5	34	2·3	− 1·1	24·1	24·9	27·5	29·1	b : bc : or$_0$r$_0$: c
23	2·4	18	6·3	+ 2·9	24·1	25·0	27·5	28·1	bcq$_0$d$_0$d$_0$: oq d$_0$d$_0$: o
24	6·6	50	6·1	+ 2·7	24·1	25·1	27·4	27·3	oqd$_0$d$_0$: cqd$_0$: oqd$_0$: oq : c
25	9·2	70	4·8	+ 1·4	24·1	25·0	27·1	27·6	cq$_0$d$_0$ cq$_0$: cq$_0$ c : bc
26	3·3	25	4·1	+ 0·7	24·1	25·0	27·0	27·2	bc : c : o : or$_0$: c
27	0·8	6	4·8	+ 1·4	24·1	25·1	26·9	26·8	or$_0$r$_0$. od$_0$: o : cd$_0$
28	9·1	69	2·5	− 0·9	24·1	25·1	26·9	26·7	or$_0$: bcr$_0$: bc : c : bc
29	11·5	87	1·7	− 1·6	24·1	25·2	26·8	27·7	b : bc : c : bc
30	9·4	71	1·8	− 1·5	24·1	25·3	27·0	28·0	c : cr$_0$. bc : b : bc
Mean	9·16	70·5	3·38	−0·04	24·11	24·75	26.48	27·23	.....
Average	8·80	67·7	3·42	...	24·40	24·70	25·45	26.07	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF NOVEMBER 1936.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1013·1mbs.	at 22·00hrs.	on 7th	1004·7mbs.	at 14·00hrs.	on 29th
Temperature of the Air	32·1°C	at 13·45hrs.	on 18th	19·3°C	at 06·10hrs.	on 4th
Daily range of temperature of the Air ...	11·0°C	...	on 21st	3·9°C	...	on 24th
Temperature of the Dew Point	24·0°C	at 09.00hrs.	on 28th	13·5°C	at 10·00hrs.	on 11th
Daily range of temperature of the Dew Point	5·1°C	...	on 11th	1·5°C	...	on 13th
Minimum on Grass	...	...	...	16·6°C	...	on 4th
Relative humidity	94·4%	at 03·00hrs.	on 28th	43·8%	at 10·00hrs	on 11th
Vapour Pressure	29.6mbs.	at 09.00hrs.	on 28th	15·3mbs.	at 10·00hrs.	on 11th
Evaporation in 24 hours	9·1mms.	...	on 12th	1·9mms.	...	on 23rd
Wind Velocity	7·2m.p.s	...	often	0.6m.p.s.	...	often
Rainfall in 24 hours	16.4mms	ending 11hrs.	on 23rd	...	...	...
Duration of sunshine	12·1hrs.	..	on 21st	0·8hr.	..	on 27th

Mean Day Temperature of Air, 26·48°C Average 26·34°C. Mean Night Temperature of Air 22·42°C. Average 21·30°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0—24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	1	21	7	1	9	4	3	1	...	...	...

TABLE VIII.—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 55·2 metres above mean sea-level.)

NOVEMBER 1936.

The initial 10 or 9 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	094	097	101	106	110	117	124	125	121	125	120	110	086	081	096	089	Midnight
1	090	095	101	103	106	110	120	121	116	120	114	106	081	078	090	081	1h
2	087	090	099	101	101	105	119	119	113	111	111	100	079	072	084	079	2
3	081	086	096	098	101	101	115	116	111	110	110	093	073	070	081	074	3
4	084	087	097	100	100	102	116	117	115	111	111	091	074	070	082	074	4
5	090	090	101	102	101	103	118	119	120	118	112	091	076	070	082	073	5
6	094	096	108	106	106	110	121	122	122	121	118	093	080	074	088	081	6
7	099	101	110	106	111	113	126	127	129	124	120	093	081	076	090	083	7
8	100	102	110	109	114	117	128	129	130	128	118	093	084	080	090	088	8
9	100	103	111	110	115	120	129	130	130	130	118	089	086	081	091	090	9
10	098	102	110	106	112	119	125	128	128	128	116	089	083	081	089	090	10
11	091	101	109	101	110	118	121	124	124	122	111	086	081	080	083	089	11
Noon	089	100	106	101	104	113	119	120	121	119	106	082	080	076	080	082	Noon
13h	079	096	102	096	100	110	111	111	116	111	099	077	072	070	077	080	13h
14	072	091	099	091	097	106	110	109	110	106	091	075	070	066	072	076	14
15	070	090	093	090	091	104	106	105	108	100	089	071	065	064	070	069	15
16	070	089	094	090	091	105	105	105	109	099	088	072	060	064	070	066	16
17	072	090	098	092	096	110	109	108	110	101	090	073	061	067	071	066	17
18	078	095	101	096	101	117	115	112	117	111	094	080	066	073	076	068	18
19	085	101	109	099	110	121	121	120	121	119	099	086	073	080	080	072	19
20	094	109	112	102	118	128	126	126	126	122	106	091	081	089	085	079	20
21	100	110	111	110	121	130	130	130	128	122	110	096	086	096	089	083	21
22	101	111	111	111	123	131	131	130	130	124	113	098	090	099	093	090	22
23	101	109	110	112	121	130	130	127	129	122	112	092	088	100	092	090	23

The initial 10 or 9 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	086	090	080	110	110	108	100	111	111	101	081	072	061	060	...	1009·9	Midnight
1h	080	086	076	103	102	105	095	105	109	094	074	067	056	053	...	1009·5	1h
2	075	077	071	100	100	101	090	098	101	090	068	059	051	051	...	1009·0	2
3	071	072	070	100	101	099	086	100	098	083	061	054	051	050	...	1008·7	3
4	071	072	071	099	104	098	090	103	099	081	060	059	051	050	...	1008·8	4
5	073	074	073	100	106	097	096	107	099	082	060	053	051	050	...	1009·0	5
6	080	079	078	104	111	102	101	112	103	090	070	063	056	056	...	1009·5	6
7	081	080	081	109	114	105	107	118	104	092	071	070	061	060	...	1009·8	7
8	083	080	090	110	118	106	110	121	108	098	075	075	062	065	..	1010·1	8
9	085	079	096	110	118	103	110	121	110	099	078	076	061	069	...	1010·2	9
10	082	080	099	109	116	101	110	120	109	098	080	073	061	070	...	1010·0	10
11	081	079	099	103	111	100	111	119	106	098	076	071	060	069	...	1009·8	11
Noon	080	076	098	101	107	099	109	113	103	094	069	066	057	066	...	1009·5	Noon
13h	071	070	093	096	101	094	108	110	101	088	061	060	051	060	...	1008·9	13h
14	070	068	090	095	096	091	103	105	091	080	052	053	050	059	...	1008·5	14
15	070	066	086	090	090	089	099	099	090	078	050	051	047	057	...	1008·2	15
16	070	066	083	090	090	088	100	099	087	077	050	051	049	058	...	1008·1	16
17	071	070	086	091	090	090	100	100	088	078	051	055	050	060	...	1000·3	17
18	077	071	090	100	094	092	101	104	091	081	057	059	055	065	...	1008·8	18
19	081	076	096	105	100	097	110	110	098	090	062	061	061	073	..	1009·4	19
20	088	081	106	101	105	101	113	113	102	091	068	068	067	080	...	1009·9	20
21	091	083	109	101	111	106	117	120	105	092	071	069	069	086	...	1010·3	21
22	096	086	114	104	110	109	122	119	109	091	079	070	070	090	...	1010·5	22
23	092	082	111	101	109	105	119	117	105	090	078	067	068	089	...	1010·3	23

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

Hour. \ Day.	NOVEMBER 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Mean
Midnight	4	8	8	2	4	8	3	6	1	1	1	2	4	8	5	2	1	2	6	4	1	3	7	9	10	6	10	10	3	8	...	4·9
1h	6	9	8	2	6	9	2	5	1	0	1	2	3	6	7	4	1	1	6	6	1	3	7	10	10	5	10	9	3	7	...	5·0
2	8	9	5	4	5	8	2	5	1	0	1	3	1	4	8	4	1	1	4	8	1	2	5	10	7	7	10	10	2	8	...	4·8
3	8	9	3	3	3	7	2	4	1	0	1	3	1	3	3	3	1	1	3	9	1	2	3	10	5	6	10	10	2	9	...	4·2
4	8	9	5	3	3	8	2	3	7	1	7	3	1	3	3	3	7	1	3	7	1	1	3	10	4	6	10	9	2	9	..	4·7
5	9	8	6	5	3	5	3	3	10	10	7	3	5	3	6	3	9	6	5	8	1	2	10	10	9	6	10	7	3	9	...	6·1
6	8	8	4	4	3	4	3	3	9	10	7	3	4	4	5	8	8	7	5	7	3	2	9	9	9	8	10	5	4	9	...	6·1
7	6	7	4	5	3	4	4	5	7	9	5	3	4	5	5	8	6	6	7	8	4	6	8	7	6	8	10	7	4	8	...	6·0
8	3	7	4	6	3	5	4	6	6	9	4	4	4	6	4	8	4	6	8	7	4	6	8	8	4	8	10	9	5	7	...	5·9
9	3	8	6	7	4	6	6	7	7	9	4	4	4	6	9	8	8	6	8	8	5	6	7	9	5	8	10	7	4	4	...	6·4
10	3	7	6	7	4	7	7	6	7	9	4	6	9	8	8	8	5	7	7	8	5	6	10	8	8	8	10	7	3	8	...	6·9
11	3	7	7	6	4	7	7	5	8	8	5	6	7	9	7	8	5	7	7	8	6	7	10	9	8	9	10	5	4	7	..	6·9
Noon	3	7	7	6	4	7	8	4	8	7	5	7	9	7	7	5	5	8	6	9	6	8	10	9	8	10	10	4	4	7	...	6·8
13h	4	8	5	6	4	7	4	6	7	6	3	8	9	7	5	6	6	7	6	7	5	10	10	9	8	10	10	3	4	3	...	6·4
14	3	7	3	5	4	6	6	5	5	4	1	9	7	7	5	6	7	7	6	4	4	10	10	9	8	9	10	4	6	2	...	6·0
15	3	7	3	5	4	6	6	5	5	3	2	8	5	6	5	6	7	4	8	4	3	10	9	9	8	10	9	6	6	2	...	5·8
16	3	7	3	7	4	8	6	5	6	2	2	7	7	7	5	7	8	4	8	8	4	10	10	9	8	10	9	8	7	3	...	6·4
17	3	6	3	9	3	7	5	3	7	2	2	7	8	8	6	7	8	6	8	7	7	10	10	9	8	10	9	10	8	3	...	6·6
18	3	6	4	8	3	5	4	3	3	2	2	8	8	6	5	4	8	3	9	6	6	10	10	9	8	10	9	9	9	3	...	6·1
19	3	3	3	4	4	2	3	2	1	2	2	8	6	5	3	3	7	1	9	3	5	10	10	10	9	10	9	9	7	2	...	5·2
20	3	2	3	2	2	1	4	1	0	1	2	2	3	5	2	0	5	2	8	2	4	10	10	9	9	10	9	4	6	1	...	4·1
21	3	4	2	2	1	1	3	1	0	1	2	7	9	4	1	2	4	7	7	1	7	8	10	9	7	10	8	4	5	1	...	4·4
22	5	4	3	3	2	2	3	1	0	1	2	7	10	3	1	1	3	4	7	1	6	8	10	8	7	10	9	5	5	4	...	4·5
23	7	6	1	4	4	4	5	2	1	1	2	7	9	3	2	1	3	4	5	1	4	7	9	8	7	10	9	5	7	4	...	4·7

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

Hour Ending. \ Day.	NOVEMBER 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	0	0	0	0	0	0	0	0	0	0	0	16	0	14	0	1	0	0	0	0	15	22	0	0	3	0	0	18	15	0	...	1.7
7	58	46	15	2	43	59	22	54	32	30	16	60	42	59	37	14	47	59	34	0	51	60	6	28	40	18	0	32	60	0	...	17·1
8	60	60	55	55	60	60	45	60	39	27	54	60	32	60	47	32	60	60	26	17	59	60	23	56	60	57	0	32	60	12	...	23·1
9	60	59	60	60	60	60	44	60	60	50	60	60	54	58	48	40	35	60	33	24	60	60	42	42	60	56	0	34	60	59	...	25·3
10	60	60	60	60	60	60	60	60	60	40	60	60	40	40	55	28	52	60	60	60	60	59	32	50	60	51	0	59	60	53	...	26.3
11	60	60	60	60	60	40	59	60	60	55	60	52	16	8	49	39	60	60	54	60	60	5	12	48	60	14	0	60	60	13	..	22·7
Noon	60	60	60	60	60	60	52	60	60	38	60	54	32	60	60	60	60	59	56	26	55	1	6	48	36	0	0	60	60	57	...	23·7
13h	60	60	60	60	60	60	60	60	60	60	60	50	48	60	59	60	60	59	60	48	56	0	1	42	4	0	0	60	60	60	...	24·1
14	60	60	60	60	60	47	60	60	60	60	60	52	17	52	60	60	60	60	59	60	60	0	1	17	22	0	0	60	60	60	...	23·5
15	60	60	60	60	60	52	27	57	60	60	60	30	27	37	60	60	55	56	43	60	60	0	0	14	58	0	0	60	60	60	...	22·6
16	60	60	60	60	60	60	20	60	60	60	60	47	45	20	59	58	40	44	59	60	60	0	10	11	59	0	22	47	60	60	...	23·0
17	54	60	60	59	60	49	55	59	60	60	60	43	59	45	50	47	10	60	43	35	60	0	12	14	27	0	12	15	60	60	..	21·5
18	60	48	58	4	58	5	42	51	21	60	60	37	54	9	60	60	1	60	0	58	59	0	0	28	59	0	11	7	17	60	...	17·5
19	8	0	2	0	2	0	2	10	0	12	13	0	18	0	22	11	3	14	11	10	10	0	0	0	3	0	0	1	0	10	...	2·7

The total Amount of Registered Sunshine was 274.8 hrs. and the total possible sunshine was 390·3 hrs.

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

(*To obtain temperatures on the Absolute Scale add 273*)

NOVEMBER 1936.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	20·2	1·2	20·9	1·3	21·1	2·0	21·2	2·3	22·4	2·3	21·2	1·1	21·7	1·6	21·1	1·9	Midnight
1h	20·6	1·1	21·3	1·1	21·0	1·8	21.1	2·5	21·8	1·8	21·2	1·0	21·2	1·5	20·7	1 7	1h
2	20·9	1·0	21·1	1·1	21·1	1·8	21·0	2·5	21·9	1·9	21·1	1·0	21·1	1·8	20·0	1.5	2
3	20·0	1·0	21·2	0·9	21·8	2·2	21·0	2·6	21·7	1.8	20·6	0·9	20·8	1·4	19·8	1·7	3
4	20·5	1·4	21·3	0·9	20·8	1.6	20·2	1·9	21·1	1·4	20·9	0·9	20.2	1·1	19·7	1.6	4
5	20·1	0·9	21·1	1·0	21·0	1·8	19·8	1·6	21·0	1.8	21·0	1·0	20·1	1·1	19·7	1·6	5
6	21.1	1·3	21·3	1·3	21·0	1·8	19·4	1·3	21·0	1·8	20·9	1·1	21·1	1·2	20·0	1·4	6
7	23·2	3·0	23·1	2·8	23·2	2·3	21·5	1·6	24·0	3·8	23·4	2·2	22·0	1·8	23·5	3·2	7
8	24·6	4·0	24·6	4·0	23·8	2·9	24·4	3·5	24·9	4·1	24·8	3·5	23·3	2·6	25·0	4·5	8
9	25·6	5·2	25·3	4·5	25·3	4·5	25·7	4·9	26.0	5·1	26·0	4.6	25·9	4.9	26·1	5·6	9
10	26·6	5·6	26·0	5·1	26·3	5·2	26·1	5·4	27·0	6·1	26·1	4·6	26·8	5·2	26·6	5·9	10
11	26·9	5·9	26·7	5·6	26·3	5.3	26·7	5·8	27·2	6·5	26·8	4·8	26·1	4·6	27·1	6·8	11
Noon	27·1	6·3	26·3	5·3	26·2	5·3	26·9	6·2	27·3	6·3	27.6	5·3	27·2	6·2	27·7	7·5	Noon
13h	27·:	6·2	26·7	5·5	26·3	5·5	27·0	6·0	27·7	6·7	27·7	6·1	27·0	5·8	27·6	7.1	13h
14	27·2	6·2	26·8	5·3	26·2	5·2	26·6	5·5	27·2	5·9	27·8	5·8	27·9	6·9	27·1	6·1	14
15	26·6	5·7	26·3	4·7	26·1	5·2	26·6	5·1	27·0	5·6	26·5	4·8	26·1	5·1	27·0	5·6	15
16	26·2	5·2	26·0	5·0	25·7	5.6	26·1	4·9	26·2	5·5	25·9	4.7	26·2	5·2	26·3	5·6	16
17	25·2	4·0	25.0	4·3	24·8	5·0	24·0	3·1	25·1	4·9	25·0	4·3	25·2	4·5	25·2	5·2	17
18	24·0	2·8	24·1	3·9	23·6	4·3	24·1	2.9	24·0	3·8	24·0	3.3	24·0	4·0	24·0	4·0	18
19	22·9	1·8	23·3	3·3	22·6	3·5	23·2	2·5	23·0	3·0	23·0	2·3	23·3	3·3	23·1	3·4	19
20	21·9	0·9	23·1	3·1	21·6	2·7	23·0	2·8	21·9	2·2	22·2	2·2	22·8	2·7	22·2	3·1	20
21	22·2	1·1	22·6	3·3	21·5	2·5	22·9	2·8	21·5	1·7	21·9	2·0	22·3	3·0	22·0	2·7	21
22	21·9	1·2	22.4	3·1	22·0	2·8	22·7	2·6	21·1	1·2	21.9	2·2	21·9	2.7	21·0	2·0	22
23	21·7	1·7	22·2	2·8	21·8	2·6	22·7	2·7	21·6	1·3	22·2	2.4	21·4	2·3	20·3	1·6	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air	Excess of Air over Evap.	
Midnight	20·8	1·7	22·1	2·4	21·8	3·9	22·6	2·6	22·1	1·8	23·0	1·9	23·1	1·1	22.6	1·5	Midnight
1h	20·9	1·6	21·9	2·3	20·6	3.6	22·0	1·9	21·9	1·8	22·8	1·9	22·8	1·1	22·3	1.2	1h
2	21·0	1·8	21·7	2·4	20·1	2·9	22·0	2·2	22·1	1·9	22·2	1·5	22·9	1·2	22·2	1·1	2
3	20·9	1·6	21·5	2·3	20·2	2 5	22·0	2·4	22·2	2·0	22·1	1·3	22·6	1·0	22·2	0·9	3
4	20·8	0·8	21·6	2·3	20·2	2·0	21·7	2·5	21·8	1·8	21·7	1·1	22·2	1·0	22·6	1·1	4
5	20·4	1·0	20·1	1·2	20·2	1·1	21·6	2·6	21·1	1·4	22·1	1.1	22·2	1·0	22·7	1·1	5
6	20·7	0·9	20·1	1·1	20·3	1·3	22·3	3·0	21·6	1·6	22·7	1·5	22·7	0·9	23·1	1·0	6
7	21·9	1·8	21·6	1·6	21·3	1·5	24 0	3.4	23·6	2·5	23·4	1·2	25·0	2·3	24·1	1·0	7
8	24·1	3·0	22·6	1·9	24·1	4·2	25·1	4·7	24·2	3·2	25·9	3·4	25·4	3·1	25.0	1.9	8
9	25·3	4·4	23·8	2·8	25·8	6·2	27·0	6·4	25·3	4·0	26·1	3·9	26·2	3·7	26·0	2·5	9
10	26·5	5·3	24·6	4·6	26·8	7·9	27.7	6·5	26·9	5·0	27·5	4·9	27·9	4·8	27·3	3·5	10
11	26·9	5·9	26·0	5·0	27.1	7·7	27·7	6·3	26·1	4·3	28·1	5·4	28·2	5·1	28 8	4·6	11
Noon	27·1	6·2	26·6	6 0	26·6	6·8	27·9	6·2	26·8	4.6	28·9	6·2	29·2	5·5	29·8	5·5	Noon
13h	27·2	6·4	26·6	5·9	27·6	7·6	27·0	5·0	27·1	4·6	29·5	6.5	30·3	6·7	29·6	4·9	13h
14	27·1	6·1	27.1	6·9	27.4	7·3	26·1	4·6	26·0	3.9	28·9	6·1	31·0	7·0	29·2	4·8	14
15	26·9	5·9	26·3	6·2	27·0	6·3	27·0	5·5	26·1	3·9	27·9	5·6	30·6	6·6	29·6	4·7	15
16	26·1	5·2	26·1	6·9	26·2	6.3	26·7	5·4	26·1	3·9	27·0	4·8	29.1	5·2	28·0	4·0	16
17	25.5	4·8	25·1	5·7	25·1	5·3	25·8	4·8	25·3	3·3	26·0	3·9	29·0	5·0	27·7	3·9	17
18	23·9	3·7	24·0	4 0	24·0	4·7	24·4	3·3	24·0	2·3	25·0	3·0	27·7	4·2	26·4	2·9	18
19	23·0	2·9	23.0	3·2	23·0	3·8	23·0	2·0	23·3	2·2	24·1	2·2	25·7	2·7	25·2	2·1	19
20	22·7	2·8	22·0	2·8	22·3	3·1	22·8	2·7	23·0	2·0	23.9	2·0	24·8	2·1	24.3	1·6	20
21	22·5	2·5	21·7	2·6	22·1	3·8	22·5	1·6	23·6	2·6	23·2	1·5	23·9	1·9	23·6	1·4	21
22	22·5	2·5	21·4	2·5	22·0	2·7	22·0	1·8	23·1	2·2	23·0	1·4	23·9	1·8	23·0	1·3	22
23	22·2	2·4	21·6	3·2	22·3	2·7	21·9	1·9	23·0	2·0	23·2	1·3	23·1	1·4	22·3	1·2	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

NOVEMBER 1936.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	22·6	1·4	23·2	1·3	23·5	1·5	24·0	1·9	22·2	1·2	22·9	1·8	22·6	0·7	21·9	1·1	Midnight
1h	23·0	0·9	22·4	1·2	22·9	1·2	23·9	2·0	22·1	1·1	23·1	1·8	22·3	0·6	22·3	1·1	1h
2	22·6	1·1	22·1	1·0	22·5	1·2	23·0	1·8	21·9	1·3	22·8	1·7	22·3	0·7	22·0	0·9	2
3	22·0	1.0	22·1	1·0	22·8	1·0	22·9	0·9	21·7	1·5	22·1	1·6	22·2	0·6	22·1	1·0	3
4	21·8	1.0	22·0	1·0	22·3	1·0	23·1	0·9	21·1	1·0	21·3	1·3	22·1	0·9	22·0	0·9	4
5	21·9	0·9	21·8	0·8	22·6	1·0	22·9	0·9	21·1	1.0	21·0	1·3	22·0	0·8	22·0	0·8	5
6	22·8	0·9	22·7	1·1	22·1	1·0	23·0	0·8	22·0	1·3	21·8	1·7	22·1	0·9	22·1	0·9	6
7	24·9	1.3	25·6	2·7	24·8	2·2	23·9	0·8	24·7	2·4	25·0	2·9	22·8	0·8	23·0	1·0	7
8	27·2	3·2	27·5	4·4	26·1	3·2	25·1	1·1	26·8	4·4	26·9	4·0	23·7	1·1	24·0	1·8	8
9	27·1	3·4	28·7	5·2	27·2	4·1	25·1	1·8	28·0	5·2	28·6	4·7	25·0	1·8	24.0	1·5	9
10	29·8	5·3	29·5	5·4	29·7	5·6	27·0	3·1	28·9	5·7	28·9	5·2	24·1	1·5	24·2	1·3	10
11	30·0	5·5	30·0	5·1	29·5	5·5	29·3	4·4	29·7	5·9	28·1	4·4	24·0	1·1	24.4	1·9	11
Noon	30·8	6·1	30·6	6·1	31·0	6·3	28·8	4·9	29·6	6·4	27·6	4·3	24·1	1·1	25·4	2·6	Noon
13h	30·7	6·3	31·2	6·9	31·0	6·6	29·3	6.0	31·0	6.7	25·3	1·7	23·7	0·8	24·9	2·3	13h
14	30·7	6·7	31·9	6·8	30·0	6·0	29·0	5·9	31·3	7·2	24·7	1·4	23·3	1·0	24·8	2·6	14
15	29.2	5·2	30·0	6·2	29·6	5·6	29·0	6·0	31·7	7·3	24·9	0·9	23·0	0·9	24·2	2·1	15
16	28·1	4·5	29·3	5·9	29·0	5·4	27·8	4·8	30.6	6·4	24·1	1·0	22·8	0·8	24·0	2·5	16
17	27·1	4·1	28·4	4·8	27·9	4·6	27·1	4·4	29·6	5·9	24·7	0·7	22·2	0.6	24.3	3·1	17
18	26·6	3·4	27·7	4·7	27·0	4·0	26·0	3·3	27·9	4·9	23·7	0·7	22·1	0·9	23·7	2·8	18
19	26·1	3·0	26·1	3·1	26·3	3·3	25·0	2·8	26·1	3·3	23·1	0·8	21·9	0·9	23·0	2·8	19
20	25·1	2·5	25·2	2·2	25·9	3·4	24·3	2·2	25.2	2·8	23·0	0·9	21·8	0·8	23·0	2·9	20
21	24·7	2·0	25·0	2·0	24·4	2·4	23·8	1·8	24·2	2·1	22·8	0·9	22·1	1·2	22·9	2·8	21
22	23·9	1·8	24·3	1·5	24·0	1·9	23·1	1·3	23·9	2·0	23·0	0·9	22·0	1·0	22·8	2·7	22
23	24·0	1·9	24·0	1·8	24·0	2·0	22·8	1·6	23·3	1·7	22·9	0·8	22·3	1·2	22·8	2·7	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d		30d.		...		Mean		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	22·8	2·0	23.6	2·4	24·1	2·1	24·4	1·3	23·0	1·8	21·9	1·2	...	...	22·4	1·8	Midnight
1h	21·7	1·0	23·6	2.5	23·9	1·8	24·4	1·3	22·8	1.8	21·7	1·1	...	...	22·1	1·5	1h
2	22·0	1·3	23·0	1·9	23.2	1·0	24·3	1·2	22·0	1·4	22·2	1·2	...	...	21·9	1·5	2
3	22.0	1·9	23·2	2·1	23·2	0·9	23·5	0·5	21·1	1·1	22·5	1·3	...	...	21·8	1·4	3
4	22·0	1·9	23·0	2·0	23·1	0.7	23·9	0·9	20·9	1·0	22·5	1·3	...	...	21·6	1·3	4
5	22·2	2·1	22·6	1.7	2·36	0·9	23·3	0·7	21·2	1·1	22·3	1·2	...	...	21·5	1·2	5
6	22·6	2·3	23·1	2·0	23·7	0·9	24·1	1·0	21·9	1·1	22·0	0·3	...	..	21.8	1·2	6
7	24·0	3·0	24·7	3·0	23·7	0·8	24·9	1·2	24·3	2·3	22·1	0·4	...	...	23·6	2·1	7
8	25·0	3·9	25·0	3·2	23·9	1·0	25.2	1·1	25·7	3·0	22·9	0·7	...	...	2·49	3·0	8
9	25·8	4·0	25·8	3·7	24·1	1·1	26·9	1·7	28·0	3·8	25·3	2·3	...	...	26·0	3·9	9
10	26·1	4·5	26·9	4·6	24·3	1·2	27·7	2·9	29·1	4·5	27·3	3·3	...	...	27·0	4·6	10
11	27·2	5·5	26·1	3·8	25·1	1·1	28·9	3·1	29·3	5·3	28·6	4.6	...	...	27·4	4·9	11
Noon	26·8	5·7	26·0	3·9	25·8	1·7	29·4	4·2	29·9	5·7	29·5	4·8	...	...	27·8	5·3	Noon
13h	27·1	5·6	25·8	3·7	26·1	2·0	29·3	4·0	30·2	5·5	29·7	5·5	...	...	27·9	5·3	13h
14	26·9	5·6	26·2	3·9	26·1	2·0	29·3	4·2	30·2	5·7	29·7	5·7	...	...	27·8	5·3	14
15	26.7	5·4	25·8	3·6	27·3	2·3	29·6	5·2	30·0	5·9	29·6	6·3	...	...	27·5	5·0	15
16	26·1	4·9	25·1	3·0	27·2	2·4	28·7	4·0	29·6	5·4	29·1	6·1	...	...	26·8	4·6	16
17	25·8	4·7	24·9	2.7	26·7	2·6	26·0	2·3	28·1	4 7	28·1	5.2	...	...	26·0	4·1	17
18	24·7	3·7	24·7	2·5	25·8	2.2	25·6	2·6	26.3	3·4	27·1	4·6	...	...	25.0	3·4	18
19	24·1	3·3	24·6	2·3	25·2	1·8	24·9	2·0	24·8	2·7	25·2	2.3	...	...	24·0	2·6	19
20	24·0	3·0	24·0	1.9	25·0	1·6	23·9	1·7	24·1	2·1	24·2	2·1	...	...	23·4	2·3	20
21	23·7	2·8	24·1	2.1	25·0	1·2	23·0	1·2	23·3	2·0	23·4	2·3	...	...	23·1	2·1	21
22	23·7	2.7	24·1	2·2	24·6	1·3	22·3	1·1	22·8	1·7	22·3	1·4	...	...	22·8	2·0	22
23	23·7	2·5	24·1	2·0	24·3	1·3	22·8	1·7	22·1	1.2	22·0	1·8	...	...	22·6	1·9	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during NOVEMBER 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

NOVEMBER 1936.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d. *	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	09	1·5	08	1·7	07	2·5	08	2·5	08	3·3	12	1·3	11	3·5	11	2·0	11	1·9	12	4·0	10	3·1	12	1·8	11	2·5	12	2.6	10	1·6	05	0·6
1h	09	2·3	06	1·2	09	2·5	09	2·6	08	2·1	12	1·5	11	2·0	11	1·8	11	1·8	12	3·9	11	1·9	12	3·4	11	2·2	12	2·9	10	1·8	05	1·1
2	09	1·1	06	0·9	09	1·7	08	1.6	08	2·2	12	1·1	11	2·3	11	1·5	11	2·2	12	4·2	12	2·5	12	2·5	12	3·3	12	2·1	10	1·9	05	1·0
3	09	1·2	07	1·3	08	2·5	08	2.5	09	2·7	12	1·4	11	1·6	11	1·4	12	1.8	12	4·2	12	1·1	12	2·4	12	3·6	12	1·9	10	2·7	05	0·7
4	10	1·1	07	1·9	09	2·4	08	1·4	08	1·9	12	1·2	11	1·7	11	1·2	11	3·2	12	3.8	11	1·5	13	2·8	12	2·1	12	2.0	10	1·9	05	0·9
5	10	0·9	07	1·2	08	2·4	11	0.9	08	2·7	12	1·5	12	1·9	11	1·3	10	3·7	09	4·8	12	1·9	12	2·9	12	1·4	11	2·1	10	1·5	05	0·8
6	10	1·3	08	1·4	08	1·8	11	1·8	08	2·0	11	2·0	11	2·6	11	1·9	11	2·4	09	4·6	11	1·1	12	3·7	12	1.9	11	1·8	10	1·3	09	0.7
7	10	3·2	07	3·1	08	2·6	10	3·7	07	4·4	10	2·6	11	3·2	11	2·8	11	3·6	11	3·5	11	1·6	12	3·9	12	3·2	11	2·8	05	2·8	d01	2·7
8	08	4·1	07	4·4	08	4·8	07	4·9	05	5·3	08	2·4	10	3·4	10	4.5	12	4·9	09	4·4	09	4·7	10	5·5	12	5·1	07	3·4	06	3·3	31	4·3
9	06	3.6	05	5·1	08	5·5	06	4·6	05	4·4	08	3·2	09	4·9	12	5·1	10	5.3	10	1·4	10	5·0	09	5·3	12	4·9	09	4·0	05	4·0	30	5·0
10	06	3·9	06	5·6	06	5·4	05	5·5	07	4·8	08	4·3	09	5·1	09	5·5	11	6.1	06	4·2	06	5·9	12	5·6	12	5·0	08	3·4	04	4·6	29	4·2
11	06	4·3	05	5·2	06	5.9	06	5·4	09	3·8	12	3·7	10	5·0	09	5·9	10	6·1	08	5·7	09	6·3	10	5·7	12	4·9	09	3·7	03	5·5	28	4·2
Noon	09	4·1	07	5.0	06	6·4	07	4·9	07	5·2	08	4·7	12	5·4	10	5·6	11	5·9	08	5·5	09	5·8	12	4.8	12	5·7	06	3·7	03	3·8	27	5·1
13h	05	3·8	08	5·1	06	4·7	05	5·7	09	2·8	05	4·2	11	5·9	10	5·6	09	5·9	07	5·9	11	5·3	11	5·8	11	5·1	07	4·3	01	5·0	26	3·6
14	06	4·2	09	4·9	06	6·7	06	3·6	09	4·8	07	4·2	11	5·3	10	5·7	12	6·0	09	6·2	09	5·6	11	4·8	12	5·2	06	4·4	01	4·3	26	4·5
15	05	4·0	08	5·3	08	5·4	06	4·9	07	4·3	07	5·2	10	5·0	12	5·7	12	6·1	09	7·4	09	4·7	12	5·1	10	5·1	06	3·9	32	4·5	22	4·3
16	06	3·9	06	5·0	07	4·7	04	4·2	06	4·8	09	3·9	11	4·8	10	5·1	12	5·9	10	7·2	10	5·0	10	5·2	12	5·7	06	3·8	02	2·9	28	4·0
17	08	4·0	06	5·1	09	6·3	08	4·4	07	2·8	09	4·1	10	4·6	10	5·2	11	5·1	09	7·0	09	4·9	12	5·1	10	5·6	08	3·5	02	2·6	28	3·2
18	09	3·3	08	4·5	10	4·8	08	3·2	07	4·3	09	3·4	12	4·1	10	4·0	12	4·8	11	5·8	09	4·5	12	4·5	11	4·9	09	3.7	03	2·5	24	1·7
19	09	3·5	08	3·6	10	3·2	08	3·1	10	0·9	09	2·7	12	2·6	10	3·4	12	3·7	10	4·3	10	3.3	11	4·1	11	4·1	09	2·8	02	1·3	25	1·1
20	09	2·2	08	4·5	10	2·5	08	3·8	10	1·2	10	2·8	10	3·5	11	2·0	12	3·2	11	4·5	11	2·9	12	3·5	11	3·0	09	2·8	02	1·1	25	0.6
21	09	2·4	09	4.1	10	3·0	08	3·6	10	1·5	10	3·8	12	3·3	11	1·4	12	2·8	11	3·0	12	3·2	11	3·4	10	3·2	09	2·5	02	0·7	25	0·8
22	09	2·2	08	3·5	09	3·8	07	3·3	10	1·8	10	3·4	11	3·2	11	1·1	12	3·3	10	3·2	12	2·6	10	3·7	11	3·6	09	1.6	02	0·7	18	1·1
23	08	2.4	09	3·2	09	2·6	07	2·9	11	1·9	10	2·6	11	2·5	11	1·3	12	3·3	09	3·0	12	2·7	12	3·2	11	3·0	10	1·7	02	0·6	18	1·6

Day. / Hour.	17d. *		18d. *		19d. *		20d.		21d *		22d. *		23d.		24d.		25d.		26d.		27d. *		28d. *		29d. *		30d.		...		Mean.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Velocity
Midnight	16	1·4	24	0.6	05	1·1	11	0·7	09	1·9	01	1·1	11	6·4	09	6·4	08	4·7	07	3·0	06	4·4	30	3·7	12	1·7	11	1·3	...	...	2.5
1h	16	1·0	24	0·9	07	0·8	11	0·6	09	1·7	01	0·9	11	6·1	09	6·0	10	4·4	07	3·1	06	4.1	28	2·8	12	1·4	11	1·1	...	...	2·3
2	16	0·9	24	1·2	07	1·2	11	0·6	09	1·8	01	0·9	10	6·0	09	6·4	09	4·4	09	3·2	06	3·2	28	3·5	12	1·2	11	1·1	...	...	2·3
3	16	1·1	24	1·5	10	1·0	11	1·1	09	1·3	01	1·1	10	6·3	09	5·1	09	4·7	09	3·1	06	3·9	25	3·7	12	1·2	11	1·1	...	...	2·3
4	14	1·1	24	1·1	10	0·9	11	3·2	09	1·1	01	1.2	11	5·4	10	4·3	09	4·3	09	3·6	05	4.4	24	2·9	12	1·3	11	1·1	...	...	2·2
5	11	1·1	24	1·5	08	1·2	11	3.7	09	1·6	01	1·6	12	5·0	09	5·1	09	4·7	09	3.3	05	4·3	24	3.9	12	1·4	11	1·4	...	...	2·4
6	11	0·7	24	1·2	08	0·8	10	3·5	09	1·5	a13	0·7	10	5·6	10	5·1	09	5·0	09	3·1	04	3·9	25	1·9	12	1·1	r21	2·5	...	...	2·3
7	11	1·6	05	2·7	03	3·1	08	2·8	09	1·7	17	1·0	09	5·6	10	5·8	10	5·9	07	4·2	04	3·4	26	2·7	12	0·8	22	2·0	...	...	3·1
8	r29	1.7	d05	3·3	02	3·3	08	3·9	06	2.5	21	2·1	10	7·2	09	6·6	09	6·8	07	4·6	04	4·1	25	2·4	16	1·2	19	2·2	...	...	4·0
9	31	2·2	03	3·6	32	2·7	07	2·9	06	2·7	21	2·2	09	6.7	09	5·9	09	6·6	05	5·3	04	5·0	28	1·9	28	1·7	16	1·1	...	...	4·1
10	30	3·0	03	3·8	30	3·7	06	3·5	03	3·2	24	3·4	10	6·5	09	7·0	08	6.8	06	5·2	03	5·1	26	2·4	d30	2·3	d31	1·8	...	...	4·6
11	28	3·3	01	4·4	31	4.1	03	3·5	03	3·0	24	3·4	10	6·9	09	7·1	07	6·6	05	5·0	02	4·9	24	3·0	24	2·2	01	2·6	...	...	4·7
Noon	28	3·8	02	5·1	29	3·9	05	4·0	03	3·6	26	2·5	11	7·2	09	7·2	10	5·1	07	5·2	03	6·7	25	3·2	30	3·1	29	3·3	...	...	4·9
13h	28	2·6	01	4·0	30	3·6	06	4·2	01	4·2	21	2·0	12	6·8	09	7·1	08	5·9	05	5·2	02	6·3	28	3·5	26	2·9	30	3·3	...	...	4·7
14	25	3·4	02	4·4	30	3.8	07	4·3	02	4·1	24	1·0	11	7·0	10	6·9	07	5·4	05	5·6	01	6·9	21	3.0	29	2·4	28	3·0	...	...	4·7
15	23	3·1	01	4·1	32	2·9	08	4·3	29	4·0	24	0·7	11	6·7	11	7·2	05	5·5	07	4·8	32	6·7	23	2·8	25	2·8	24	2·6	...	...	4·6
16	23	2·8	02	3·7	r24	2·7	06	4·0	31	3·9	21	0·7	10	6·5	09	6.7	05	5·0	06	4·4	31	6·0	d05	2·6	32	1·7	27	2·7	...	...	4·3
17	28	1·9	02	3·7	28	1·8	07	3·5	32	3·8	27	0.9	11	6·7	09	6·7	09	5·2	07	3·8	31	5·9	07	1·9	05	2·2	28	2·1	...	...	4·1
18	24	1·6	01	2·5	23	1·2	07	3·1	32	2·2	26	1·6	10	6·3	09	6·7	07	3·8	06	4·0	01	5.8	08	2·0	08	1·5	25	1·4	...	...	3·6
19	24	0·8	02	1·7	23	0.7	09	2·5	01	1·3	d10	3·9	10	6·3	09	6·3	09	3·8	06	3·6	31	4·9	07	1·5	08	1·2	25	1·1	...	...	2·9
20	24	0·6	03	1·2	16	0·7	09	1·9	01	1·1	12	4·9	09	5·9	10	5·8	08	2·7	06	3·5	32	5·2	07	1·2	11	1·7	23	1·0	...	...	2·7
21	24	0·6	03	0·6	12	1·8	09	1·9	01	0·6	12	5·1	10	6·4	09	6·3	07	2·9	06	2·8	30	3·8	07	1·6	11	1·1	16	1·1	...	...	2·6
22	24	0.6	03	0·7	08	2·0	09	1·9	01	0·6	12	5·6	10	5·9	09	6·0	08	2·8	07	3·3	31	3·9	12	1·7	11	0·7	16	1·1	...	...	2·6
23	24	0·6	04	2·0	11	0·7	09	1·4	01	1·0	11	5·0	09	6·2	09	5.2	08	2·7	06	3·9	29	3·2	12	1·8	11	1·4	16	1·4	...	...	2·5

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), NOVEMBER 1936.

Force (0-12)				Direction															
Hour	8 or above	4 to 7	0 to 3	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W	W.S.W.	W.	W.N.W.	N.W.	N.N.W
3	...	1	29	1	...	1	1	9	3	12	...	1	...	...	...	2	...	...	...
9	...	4	26	2	...	6	3	9	3	2	...	1	...	1	...	...	...	2	1
15	...	7	23	4	...	2	2	8	2	5	...	...	...	...	1	5	...	1	...
21	...	2	28	1	1	1	1	8	5	9	...	1	...	...	...	2	...	...	1
Totals	...			8	1	10	7	34	13	28	...	3	...	1	1	9	..	3	2

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for NOVEMBER 1936.

Day. / Hour.	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	..
	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	mm	mm
1h	...	...	...	...	...	0·1	...	..	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·7	..	0·2	...	0·1	...	...	...	...
2	...	..	...	...	...	0·2	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	0·1	...	...	1·0	...	...	...	...
3	...	...	...	...	...	..	.	...	...	...	...	...	...	...	..	...	0·1	...	..	0·5	...	...	0·1	0·1	...	...	0·8	3·0	...	...	...
4	...	...	...	...	...	0.5	...	...	2·0	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·1	...	...	1·7	0·2	...	...	...
5	..	...	...	...	...	...	...	...	0·4	0·4	0·5	..	...	...	...	...	0·1	...	...		...	..	0·1	0·1	...	...	0·1	...	...	..	...
6	...	...	...	...	...	...	0·1	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	0·1	..	0·1	...	...	5·0	...
7	...	...	...	...	...	...	...	...	...	0·1	...	...	...	..	...	1·5	...	...	..	...	...	..	.	...	...	...	1·0	...	..	0·1	...
8	..	...	...	...	...	...	..	...	0·1	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	0 5	...	...	2·0	...
9	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	0·1	0·1	...	...	...	3·1	...	...	...
10	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	0·1	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	..	...	...	0·1	0·1	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	..	...	...	...	...	...	..	...	...	...	...	...	...	...	...	0.1	0·1	...	...	...	0·1	...	...	...	...
13h	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·1	...	...	...	...	...	...	...	...
14	...	...	..	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	0·8	0·1	0·1	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0·3	0·1	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	0·3	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·8	0·2	...	...	...	..	...	...	...	..
18	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...	...	...	4·0	0·6	...	...	...	...	..	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	0.1	0·2	...	..	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	...	0·1	0·2	...	...	0·1	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·6	...	...	0·1	...	...	...	..	...
22	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	.	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..
23	...	...	..	...	0·1	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	..	...	...	...	...	...	0·1	...	.	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION VACOAS FOR NOVEMBER 1936.

Day. / Hour.	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	...
	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	mm	mm
1h	...	0·3	...	...	...	...	0·3	...	...	...	...	..	...	..	...	..	...	...	...	...	..	...	0·8	...	0·7	...	...	3·4	...	...	...
2	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	0·6	0·2	0·1	...	1·0	2·6	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	1·3	0·3	...	...	1·5	...	...	...	...
4	...	...	..	...	...	0·8	0·7	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	1·2	0·2	. .	...	0·9	...	..	...	...
5	. .	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	0·1	...	...	0·8	0·6	...	...	0·6	...	...	...	...
6	..	0.2	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	0·3	...	...	0·7	0·3	...	...	..
7	...	...	...	...	...	...	...	...	...	2·0	0·7	...	...	...	...	...	..	...	...	...	...	...	0·9	0·9	...	...	1·6	...	...	...	...
8	...	...	...	...	.	...	...	...	...	0·3	...	...	...	...	...	1·4	...	...	...	...	...	...	2·9	0·9	...	...	2·4	0·2	...	...	...
9	...	...	...	...	..	...	0·3	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	0·3	...	...	1·2	...
10	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	0.9	...	...	...	...	...	...	...	0·1	...	...	...	.	...	0·6	...
11	...	0·6	...	..	..	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	1·6	0·2	...	...	2·8	...	...	...	...
Noon	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·3	...	...	...	...	...	...	...	...
13h	...	...	. .	...	...	...	..	...	...	0·2	...	...	...	...	...	...	..	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...
14	...	...	...	...	..	. .	...	...	...	...	..	...	...	10·0	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...
15	..	...	...	...	...	...	...	...	...	...	...	...	...	74·4	...	...	..	...	...	...	...	1·2	...	0·1	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	18·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	..	...	...	3·4	...	...	...	...	...	...	...	2·0	0 1	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	0·7	...	0·1	...	...	0·3	0·5	...	...	0 4	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	0·2	.	...	...	...	2·2	...	...	...	...	0·2	0·3	0·1	...	0·3	0·9	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	0·4	0·5	...	..	0·3	2·7	...	...	...	...
21	...	.	...	...	...	...	...	...	...	..	...	0·3	...	...	...	...	...	...	...	...	...	1·2	0·6	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	. .	0·4	...	...	..	...	...	...	0·1	...	...	0·9	0·4	..	...	...	...	..	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	0·2	...	..	0·9	0·5	...	...	...	...		...	...	...
24	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	0·9	0·2	0·2	...	...	...	...	...	...	...

TABLE XV—TOTAL MONTHLY RAINFALL AT VARIOUS STATIONS IN MAURITIUS ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE MONTH OF NOVEMBER 1936.

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	1·65	41·9	1·62	11
	St. Antoine	50	2·01	51·1	1·42	9
	Belmont	50	2·13	54·1	1·83	10
	Poudre d'Or	20	2·47	62·7	1·73	10
	Mon Loisir S. E.	300	2·66	67·6	2·16	9
	Forbach	300	2·43	61·7	1·80	12
	Couroupa...	...	2·30	58·4	2·17	9
*	Labourdonnais	290	1·93	49·0	2·00	8
	Mapou (Water Office) ...	...	1·30	33·0	...	5
	Beau Séjour	300	2·75	69·9	2·63	15
	Mont Piton	650	2·59	65·8	2.42	14
	Mon Choix	700	2·17	55·1	2·33	11
	Antoinette	640	3·60	91·4	2·67	14
	Mon Songe	620	5·20	132·1	3·04	17
	Botanical Gardens... ...	325	3·36	85·3	2·19	18
*	The Observatory	179	1·85	46·9	1·76	17
	Solitude	175	1·48	37·6	1·23	5
	St. André (Cour)	90	1·18	30·0	1·66	4
	La Nicolière	...	4·75	120·7	5·98	15
	California	...	4·59	116·6	2·38	10
	Australia	...	5·60	142·2	...	14
2 & 3	Union Régnard S.E.(Flacq)...	600	4·25	108.0	2·78	16
	Constance d'Arifat L.G. ...	100	2·27	57·7	2·64	17
	Rich Fund	600	5·26	133·6	4·01	17
	La Joffrette	...	3·47	88·1	...	9
	Belle Vue (Allendy) ...	...	3·06	77·7	4·11	13
4	Sans Souci	900	11·40	289·6	6·12	19
	Beau Champ (G.R.S.E.) ..	20	1·94	49·3	2·47	15
	Olivia	400	5·22	132·6	4·22	20
	Trois Ilots	...	2·68	68·1	.	15
	Belle Rive	400	9·53	242·1	6·75	20
	Sébastopol	700	...	...	...	...
	Bonne Veine	400	8·28	210·3	6·35	21
5	Rose Belle	850	12·43	315·7	7·98	15
	New Grove	650	8·98	228·1	...	15
	Mon Trésor	...	4·23	107·4	...	13
	Mon Désert (Carié) ...	75	2.69	68·3	2·93	15
	Ferney	20	6·18	157·0	3·50	11
	Sauve Terre	...	3·37	85·6	...	14
6	Tivoli	1,300	12·70	322·6	5·90	26
	La Flora...	1,050	13·29	337·6	7·24	19
	Riche Bois (Brit.) ...	650	5·25	133·4	5·93	19
	Britannia (Estate) ...	700	6·75	171·5	4·55	15
	Savannah (Mill) ...	200	2·58	65·5	3·63	10
	St. Aubin	300	2·89	73·4	3·24	9
	St. Avold	900	11·18	284·0	5·95	18
	Colmar	400	6.39	162·3	4·38	13
	Union S. E.	...	3·69	93·7	4·18	9
	Fontenelle	320	5·47	138·9	2·92	11
	Choisy	200	7·39	187·7	2·66	6
	Beau Bois	...	6·81	173·0	3·72	9
	Bel Air	...	3 65	92·7	4·17	8
	St. Félix	...	5·15	130·8	...	8
7,8,9&10	Bel Ombre	40	5·77	146·6	2·30	8
	Beau Champ (B.du Cap)	70	4·80	121·9	2·73	9
	Frédérica	...	7·82	198·6	3·27	9
	Pierre Fond	...	2·45	62·2	2·54	8
	Ste. Marie	...	5·40	137·2	...	9
	Hussonia Limited ..	..	0·83	21·1	...	4
11	Curepipe Gardens ...	1,840	8·63	219·2	5·43	29
	Mare aux Vacoas (G.E.)	1,850	8 60	218·4	6·63	12
	Mare aux Vacoas (Arn.)	1,830	12·29	312·2	6·32	13
	La Marie Filter Bed ..	1,700	6·78	172·2	4·30	13
*	Sophie	...	10·80	274·2	...	8
	Réunion	1,420	5·73	145·5	3·38	14
*	Aerological Station ...	1,393	6·93	176·0	4·80	19
	Phœnix	...	1·24	31·5	...	5
	Quatre Bornes... ...	...	1·89	48·0	...	5
12	Quatre Bornes (Board) ...	1,090	2·50	63·5	...	10
*	Le Réduit (D. of A.) ...	1,000	1·64	41·8	2·20	23
	Alma...	1,460	7·35	186·7	5·12	21
	Bagatelle	1,250	4·21	106·9	2·75	9
	Highlands	1,300	3·66	93·0	3·12	10
	Trianon	950	20·9	53·1	2·35	8
	Val Ory	1,100	1·28	32·5	2·30	4
	Bassin	...	3.02	76·7	2·90	5
	Hermitage	1,450	6·90	175·3	5·55	9
	Ebene	...	2·44	62·0	...	7
	Bega...	...	1·13	28·7	...	6
	Mon Rêve	...	1·85	47·0	...	6
	Mont Pevril	...	1·49	37·8	...	5
	Minissy	1,150	2·33	59·2	2·75	6
	Plaisance	...	3·16	80·3	...	9
	La Ferme	350	2·51	63·8	1·65	10

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of NOVEMBER 1936.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	...	...	...	...	...	...	..	...	...	...	...	...	...
2	...		...	...	...	...	...	..	...	...	..	...	...
3	10¾	90	16·1	90	14·0	...	...	...	...	270	...	270	...
4	8½	...	...	75	10·7	...	...	...	...	...	...	...	...
5	...	..	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	..	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	..	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	9¼	105	...	120	7·4	...	...	...	...	...	...	...	...
12	..	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	8¾	90	11·4	75	17·6	30	...	...	...	...	...	...	...
15	..	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	..	...	...	..
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	10	...	...	15	9·3	...	...	...	...	...	...	300	...
19	...	...	...	..	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	..	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	11¾	..	...	...	...	240	...	...	...	...	...	270	...
25	9¼	...	...	105	46·0	270	...	...	...	...	...	...	...
26	10	60	17·7	60	12·5	270	...	...	...	240	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	..	...	...	...	...	...	...	...	...	...	...	...

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	...	...	..	...	...	...	...	...	...	...	...	...	...
2	...	...	...	.	...	...	..	...	...	...	...	...	...
3	14¼	105	9·4*	115	7·0*	...	...	70	...	...	...	...	...
4	14¼	60	9·2*	75	7·0*	...	...	...	...	...	...	...	...
5	14¼	120	3·2*	122	7·7*	...	...	...	...	...	...	...	...
6	14¼	120	8·9*	150	2·7*	180	1.8*	...	...	...	...	...	...
7	14¼	...	...	180	2·3*	...	...	...	..	...	...	...	...
8	14¼	105	9·3*	105	7·6*	...	...	...	...	...	...	...	...
9	...	..	...	...	...	...	...	..	...	...	...	...	...
10	14¼	135	6·6*	135	9·9*	...	...	...	...	...	...	...	...
11	14¼	75	5·4*	68	6·7*	...	...	...	...	...	...	...	...
12	14¼	120	5·2*	105	3·2*	...	...	...	...	...	...	...	...
13	14¼	90	15·1*	83	12·4*	...	...	...	...	...	...	...	...
14	14¼	60	0·5*	135	1·2*	...	...	...	...	...	...	..	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	14¼	285	17·5*	280	13·3*	...	...	...	...	...	...	...	...
17	14¼	...	..	120	2·0*	165	2·1*	...	...	...	..	...	...
18	14¼	25	4·6*	30	4·1*	...	...	...	...	...	...	...	...
19	14¼	...	...	315	3·0*	...	...	...	...	150	1·8*	...	..
20	14¼	92	6.9*	93	5·8*	...	...	...	...	...	...	...	...
21	14¼	90	2·5*	45	3·5*	...	...	...	...	...	..	...	...
22	...	...	...	...	...	...	...	...		...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	14¼	105	14·9*	93	12·2*	..	...	...	...	...	...	...	...
25	14	...	...	122	7·1*	270	...	300	2·8*	330	2·8*	225	...
26	14¼	...	...	60	7·2*	...	...	...	...	...	...	...	...
27	14¼	328	14·0*	315	8·3*	...	...	...	...	...	...	...	...
28	14¼	180	2·8*	225	1·1*	...	...	...	...	. .	...	..	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradias per sec.

* Observatory Pamplemousses.

108/9/37—R.A.O. 250

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER, 1936

N. R. McCURDY, B.Sc., F.R. MET. SOC.

DIRECTOR

Published by Authority of His Excellency the Governor

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1937

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF DECEMBER, 1936.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)	HR×: 10000	ZR×: 10000
DEC.	° ′			′				
1	13°15·6	·22466	·29731	13·2	16	26	36	77
2	16·6	487	730	13·8	28	28	63	83
3	15.6	477	723	15·5	16	46	36	137
4	17·0	486	724	12·8	45	42	101	125
5	16·4	499	724	9·8	40	37	90	110
6	16·6	502	...	7·2	66	...	148	...
7	17·0	497	...	7·7	43	...	97	...
8	16·1	498	...	12·3	47	...	106	...
9	16·5	502	728	10·0	31	33	70	98
10	15·9	511	...	12.0	66	...	143	...
11	16·5	496	...	12·5	25	...	56	...
12	16·4	514	727	13·0	40	28	90	83
13	17·3	506	727	12·5	32	30	72	89
14	16·9	496	732	10·7	42	36	94	77
15	16·9	501	731	8·5	25	19	56	56
16	16·6	513	731	11·0	51	13	115	39
17	16·4	505	726	13·7	28	37	63	110
18	17·3	502	729	10·7	22	31	49	92
19	16·9	514	729	15·0	49	35	110	104
20	17·0	510	732	11·0	37	19	83	56
21	17·6	506	728	11·2	53	34	119	101
22	18·0	508	733	6·5	26	26	58	77
23	16·8	501	730	9·3	35	34	79	101
24	16·9	495	734	6·2	35	19	79	56
25	16·0	511	730	9·0	40	22	90	65
26	16·9	516	734	8·2	39	14	88	42
27	17.6	512	726	10·5	77	42	173	125
28	18·3	439	742	12·5	110	43	248	128
29	...	447	751	...	30	13	67	39
30	...	482	743	...	48	18	108	53
31	...	495	737	...	55	32	124	95
Mean	13°16·77	·22497	·29731	10·94	41·8	28·7	94·1	85·3

Description of the Principal Magnetic Disturbances.

Declination.— 4d. Slightly disturbed.
13d. Slightly disturbed; small fluctuations (4′ maximum) in the trace between 5^h and 10^h.
25d. Sudden sharp positive wave of 3′ at 13^h.
27d. Very slightly disturbed.
28d. Disturbed—irregular fluctuations (3′ at times) on the trace with considerable increase in daily range.
(Register lost from 28d. 22^h—suspension broken).

Horizontal Force.— 4d. Moderately disturbed; important fluctuations (20γ and 40γ) between 8^h and 16^h.
3d. Slightly disturbed at end.
12d. Disturbed during latter half. Important irregular fluctuations (30γ, 35γ) at times.
13d. Moderately disturbed—small rapid fluctuations in the trace between 5^h and 10^h.
21d. Slightly disturbed. Rapid oscillations (17γ) between 21^h and 22^h.
27d. Sudden commencement at 7^h 25^m of a long disturbed period ending gradually on 29d. Large fluctuations on 28d.
The absolute range reaches 120γ.
31d. Slightly disturbed. (Partial loss of register in declination and Horizontal Force on 17d. and 18d.)

Vertical Force.—12d. Slightly disturbed at end.
13d. Slightly disturbed in the beginning.
21d. Very slightly disturbed, Rapid oscillation between 21^h and 22^h.
28d. Disturbed; rapid pulsations on the trace with considerable increase in daily range (50γ).
29d. Very slightly disturbed.

T = ·37269 : Mean Dip = 52° 53·10′ : (X = ·21895 : Y = −·05167 : Z = ·29731).

† The daily range is the difference between the greatest and least hourly values.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of DECEMBER 1936.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
d h m	° ′	d h m		d h m	° ′	
1·14.58	13·07·2	3·11·49	·22482	1.14.26	52.54.82	·29715
8·13·27	13·10·5	5· 9·21	·22508	8·13·17	52·50·69	·29704
18·15·04	13·13·1	19· 9·11	·22501	18·14·52	52·51·70	·29720
29.14.55	13·14·1	23·11·22	·22518	29.14.45	52.57.56	·29748
		28· 9·23	·22454			
		31· 9·42	·22516			

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

DECEMBER 1936

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	16·5	16·0	16·7	17·3	17·0	16·7	17·5	17·0	18·0	17·0	17·3	17·0	16·5	17·0	17·0	16·5	Midnight
1h	16·4	16·3	16·7	17·3	16·5	16·5	16·7	16·7	17·0	17·0	17·5	17·3	17·0	17·0	17·0	16·7	1h
2	16·5	16·2	16·5	17·0	16·7	16·0	16·0	16·5	17·3	17·0	17·5	17·5	17·0	17·3	17·0	17·0	2
3	16·7	16·3	16·0	17·0	16·5	16·5	16·0	17·0	17·5	16·7	17·0	17·7	17·5	16·7	17·0	17·3	3
4	17·0	16·5	16·3	17·3	16·0	16·5	16·3	17·0	17·5	17·0	17·7	18·0	18·0	17·0	17·3	17·7	4
5	17·8	17·3	17·0	18·0	16·3	17·3	16·5	17·3	17·7	17·3	18·0	19·0	18·5	18·0	18·0	18·3	5
6	18·5	18·5	18·0	20·0	17·2	18·5	18·0	18·5	18·0	18·0	20·0	20·0	20·0	19·0	18·7	19·5	6
7	19·0	21·0	21·0	23·0	19·0	20·5	20·0	21·0	20·0	20·0	22·0	23·3	23·0	21·0	20·0	21·0	7
8	19·7	23·5	21·5	23·3	21·3	20·0	20·5	22·3	20·3	21·0	22·5	22·5	24·5	21·0	20·5	20·7	8
9	19·0	24·0	22·0	22·0	20·7	19·7	20·7	21·0	19·0	19·0	20·0	21·0	22·0	21·7	20·3	20·0	9
10	18·0	22·0	20·0	19·0	20·0	18·5	20·0	18·0	18·3	18·0	16·0	17·0	20·5	19·0	20·0	19·5	10
11	16·5	19·0	17·0	18·0	18·5	16·0	18·0	15·0	15·0	12·0	14·0	14·0	18·0	17·0	18·0	17·0	11
Noon	12·5	15·0	13.0	15·7	16.3	14·5	16·5	12·0	12·3	10·0	11·0	11·5	16·0	13·0	16·0	14·0	Noon
13h	09·5	11·0	08·5	13·0	13·5	13·3	15·0	11·0	11·0	09·0	10·0	10·3	13·5	11·0	13·0	10·5	13h
14	06·5	09·7	06·5	10·5	12·0	13·5	13·0	10·0	10·3	10·0	11·0	10·5	12·0	12·0	12·0	10·0	14
15	08·0	10·0	07·0	10·7	11·5	13·7	14·7	10·7	12·0	12·0	13·0	13·0	12·7	13·0	13·0	11·5	15
16	11·0	11.0	09·0	11·5	12·3	13·7	13·5	12·0	14·0	15·0	14·5	14·7	14·0	15·0	14·5	13·5	16
17	15·5	14·7	12·0	14·0	14·0	14·5	15·0	14·0	16·0	17·0	16·0	15·5	16·0	17·3	16·0	15·5	17
18	17·5	16·7	15·5	15·0	16·0	15·7	16·0	15·7	18·0	17·0	16·5	15.7	16·5	18·0	16·7	17·0	18
19	17·0	16·4	16·0	15·7	15·8	15·7	16·7	16·5	17·5	16·3	16·3	15·0	16·2	17·0	16·5	17·2	19
20	16·7	16·5	16·7	17·7	16·0	17·0	17·7	16·3	17.0	15·8	16·5	16·0	16·0	17·0	17·0	17·5	20
21	16·5	17·0	17·5	17·5	17·0	17·5	18·3	16·5	17·0	16·2	17·3	16·0	16·5	17·3	16·7	17·0	21
22	16·5	17·0	17·0	18·0	17·0	18·0	18·0	17·0	17·0	16·5	17·0	16·3	17·0	17·0	16·5	16.7	22
23	16·3	17·0	17·7	18·5	17·0	17·7	18·0	17·3	17·7	17·5	17·0	16·0	16·5	16·7	16·7	16·7	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d	31d	Mean	Day. / Hour.
	13° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	16·7	17·0	17·5	17·0	17·0	17·0	17·2	17·5	17·5	17·0	17·0	19·0	*	*	*	17·1	Midnight
1h	16·5	17·3	17·0	16·7	17·5	16·5	17·3	17·5	18·0	17·5	17·5	18·5	...	...	...	17·0	1h
2	16·5	17·5	17·0	16·7	17·3	16·5	17·5	17·5	18·0	17·7	17·5	19·0	...	...	...	17·1	2
3	16·7	17·3	17·0	17·0	18·0	16·3	17·3	17·7	18·0	18·0	17·7	18·7	...	...	...	17·1	3
4	17·3	17·5	17·0	17·5	18·3	17·0	17·5	17·7	18·0	18·5	18·3	18·5	...	...	...	17·4	4
5	18·0	17·5	18·0	18·0	19·0	17·3	17·5	18·0	18·0	19·0	19·0	20·3	...	...	...	17·9	5
6	19·0	18·0	19·0	20·0	20·0	18·0	18·2	18·3	17·5	19·0	20·0	20·0	...	...	...	18·8	6
7	22·0	21·0	22·0	22·0	22·0	21·0	19·5	19·5	17·5	20·0	22·0	22·0	...	...	...	20·9	7
8	23·5	23·0	23·7	22·7	23·5	22·0	21·0	19·7	17·3	20·5	22·5	23·5	...	...	...	21·7	8
9	23·7	22·0	24·0	22·0	23·0	22·5	19·7	18·0	16·7	19·7	22·0	23·0	...	...	...	21·0	9
10	21·0	20·0	21·5	20·0	21·0	21·5	18·5	16·7	15·5	18·5	19·5	21·7	...	...	...	19·3	10
11	16·0	18·0	17.0	17·0	18.0	20·0	16·0	16·0	14·0	16·0	14·0	19·0	...	...	...	16·6	11
Noon	12·0	14·5	12·3	14·0	14·0	18·0	15·0	15·5	16·7	14·0	12·0	17·0	...	...	...	14·1	Noon
13h	10·0	12·3	09·0	12·5	12·5	16·0	12·0	14·0	09·0	12·3	12·0	12·5	...	...	...	11·7	13h
14	10·0	12·5	10·0	11·7	12·3	16·0	11·7	13·5	11·0	12·5	13·0	11·0	...	...	...	11·2	14
15	11·0	13·7	12·0	13·0	13·5	16·7	14·0	14·3	12·0	14·0	15·0	11·5	...	...	...	12·4	15
16	12·5	15·0	14·5	14·5	15·0	17·5	15·0	15·0	13·5	15·0	17·3	13·5	...	...	...	13·8	16
17	14·0	17·0	16·3	15·5	16·5	18·3	15·3	16·3	15·0	15·5	17·5	16·0	...	...	...	15·6	17
18	15·0	18·3	17·0	16·7	17·3	18·5	16·5	17·5	16·3	16·5	16·7	18·5	...	...	...	16·7	18
19	16·0	17·5	16·5	16·5	18·0	17·5	17·3	16·7	16·3	16·3	16.5	20·0	...	...	...	16·7	19
20	16·5	17·3	16·7	16·5	17·3	16·7	17·7	16·7	16·7	16·5	17·3	20·0	...	...	...	16·9	20
21	16·5	17·3	17·0	16·5	17·0	16·5	17.5	17·0	17·0	16·7	18·5	19·5	...	...	...	17·1	21
22	17·0	17·0	17·0	16·5	16·7	16·7	17·3	17·3	17·0	17·0	19·0	18.5	...	...	...	17.1	22
23	17·0	17·3	16·7	17·0	17·5	17·0	17·5	17·7	17·3	17·3	18·5	18·3	...	...	...	17·3	23

* Suspension broke on 28th at 20h 50m.

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 1936.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	468	483	481	481	485	499	490	483	493	497	499	500	498	497	495	503	Midnight
1h	470	477	481	482	489	497	486	482	497	497	498	500	502	499	495	504	1h
2	472	476	475	485	489	497	487	482	495	498	499	501	503	499	496	505	2
3	473	473	483	490	490	496	491	482	496	502	497	502	507	507	497	506	3
4	472	475	485	500	490	495	492	485	497	501	498	502	512	503	497	507	4
5	469	476	484	499	485	495	494	487	499	501	500	501	520	505	500	510	5
6	470	479	483	501	492	496	495	490	499	500	500	501	525	510	501	508	6
7	470	480	484	503	499	505	503	496	503	500	497	510	525	512	509	513	7
8	471	481	475	522	504	510	505	500	503	507	490	518	510	513	512	520	8
9	465	485	473	487	510	530	510	517	505	525	484	525	505	517	510	521	9
10	463	497	477	475	518	540	510	526	513	540	500	538	523	510	512	532	10
11	468	501	478	492	525	543	520	529	517	555	512	540	516	505	512	537	11
Noon	469	495	475	483	524	531	517	522	518	555	506	525	510	500	503	541	Noon
13h	465	498	473	467	510	525	512	513	517	550	500	533	506	485	500	538	13h
14	463	500	472	470	502	510	510	503	517	541	500	530	500	488	504	535	14
15	463	501	471	470	503	490	503	497	507	525	493	520	493	493	503	523	15
16	457	500	471	500	493	485	500	490	500	505	487	512	499	481	495	515	16
17	462	490	473	480	494	489	496	492	495	490	487	527	495	475	487	507	17
18	458	488	473	480	493	487	497	497	487	489	489	532	496	475	494	505	18
19	459	486	471	487	495	487	492	497	490	489	494	510	498	485	495	503	19
20	460	487	472	475	495	485	487	495	496	495	493	500	500	483	497	495	20
21	462	487	483	477	493	487	479	493	498	497	495	505	497	485	495	490	21
22	465	485	487	487	493	480	480	494	500	497	497	503	497	487	498	497	22
23	472	485	479	485	492	477	477	493	497	497	497	502	497	489	502	497	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT).																
Midnight	497	502	500	505	502	495	500	491	495	511	512	467	433	460	467	490·0	Midnight
1h	505	503	499	507	502	499	500	489	497	510	513	485	440	462	465	491·4	1h
2	502	503	500	510	495	500	497	488	496	507	512	480	447	465	475	491·5	2
3	501	504	501	507	501	507	496	485	497	506	510	485	445	467	477	492·9	3
4	502	505	502	508	499	501	500	483	497	510	510	487	445	468	481	493·8	4
5	502	505	507	509	501	503	497	487	497	512	510	475	442	470	486	494·4	5
6	505	507	507	512	501	504	495	489	499	513	512	467	435	473	490	495·5	6
7	507	508	507	520	498	507	500	492	507	520	515	463	445	480	505	499·5	7
8	503	505	506	521	500	505	504	495	512	524	537	457	452	490	514	502·0	8
9	504	501	510	518	510	510	510	497	517	527	545	443	455	500	515	505·2	9
10	507	508	527	520	525	520	523	510	525	538	554	440	463	508	517	511·7	10
11	525	510	540	525	535	525	522	518	533	543	550	455	457	505	516	516·5	11
Noon	520	510	548	525	540	522	518	515	537	530	540	440	450	496	515	512·3	Noon
13h	513	512	543	522	530	517	516	508	535	528	533	437	448	497	520	508·1	13h
14	512	512	530	518	527	517	515	497	531	527	528	431	448	489	515	504·6	14
15	508	508	529	513	517	515	500	490	520	520	520	410	450	487	505	498·3	15
16	502	497	521	505	513	513	498	490	510	512	510	392	439	482	496	492·6	16
17	502	490	513	493	500	507	495	493	508	511	498	395	438	481	491	488·8	17
18	500	490	507	488	490	504	497	495	507	512	486	383	440	480	492	487·4	18
19	503	498	507	495	487	500	493	494	510	508	490	377	443	479	486	487·4	19
20	505	497	507	503	495	507	488	494	503	505	487	405	442	482	483	487·7	20
21	500	491	505	505	495	504	490	493	502	504	485	420	450	483	485	488·2	21
22	501	495	504	503	484	505	493	495	505	505	488	425	455	484	487	489·5	22
23	497	495	505	502	492	503	493	497	510	510	477	434	460	477	487	489·6	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)

DECEMBER 1936

·29000 + (C.G.S. UNIT.)

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	730	731	731	733	732	730	*	*	732	731	*	729	730	730	731	732	Midnight
1h	730	731	732	733	731	730	...	...	730	731	...	729	730	729	730	732	1h
2	730	730	732	732	731	730	...	...	731	731	...	729	731	730	730	731	2
3	730	731	731	731	731	731	...	...	731	731	...	730	731	729	730	730	3
4	731	722	731	732	731	731	...	...	732	732	...	731	732	732	731	731	4
5	733	733	731	733	732	732	...	...	732	733	...	734	733	734	732	732	5
6	735	737	734	735	732	734	...	...	734	737	...	737	735	738	734	735	6
7	739	742	739	739	735	736	...	...	735	738	...	741	740	743	737	738	7
8	740	740	738	734	739	734	...	...	732	736	...	738	737	738	741	737	8
9	738	735	728	723	733	729	...	...	724	725	722	732	734	736	741	736	9
10	738	737	715	717	724	*	...	716	719	*	708	719	729	730	740	736	10
11	737	733	709	715	722	...	...	712	717	...	700	714	721	727	731	731	11
Noon	727	720	703	705	712	...	...	704	710	...	697	713	717	718	723	726	Noon
13h	718	714	694	698	703	...	...	713	703	...	700	718	711	717	722	725	13h
14	714	716	693	697	702	...	...	705	722	...	709	722	710	726	724	726	14
15	720	720	700	704	703	...	...	721	727	...	717	727	715	732	727	731	15
16	728	725	708	714	711	...	...	727	733	...	720	726	718	738	730	729	16
17	731	731	717	723	718	...	...	731	736	...	723	725	723	741	733	730	17
18	735	733	726	726	723	...	...	732	736	...	726	723	725	736	729	730	18
19	732	730	727	725	724	...	...	729	732	...	725	724	725	731	728	728	19
20	722	730	729	727	725	...	...	729	731	...	726	728	727	731	729	730	20
21	733	731	732	731	728	...	...	729	730	...	728	727	728	735	730	731	21
22	734	732	731	734	730	...	...	730	731	...	728	729	730	734	731	731	22
23	734	734	734	734	732	...	...	730	731	...	729	729	729	733	731	732	23

·29000 + (C.G.S. UNIT.)

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. / Hour.
Midnight	733	732	734	733	735	733	734	733	733	733	732	737	749	746	745	733·9	Midnight
1h	732	732	734	733	734	734	734	733	733	733	731	737	749	747	745	733·7	1
2	731	731	733	732	735	734	734	734	734	735	732	736	748	746	744	733·7	2
3	731	732	733	732	736	734	734	735	734	735	733	737	749	745	743	733·7	3
4	732	731	733	732	735	735	734	736	734	735	735	738	749	744	742	733·8	4
5	733	733	733	733	736	735	734	736	734	736	736	742	750	744	743	735·2	5
6	735	740	734	734	736	736	735	737	733	736	738	742	750	743	741	736·7	6
7	743	744	742	738	738	741	735	743	735	739	739	748	753	743	741	740·3	7
8	743	740	742	734	741	744	736	741	736	739	734	751	760	746	745	740·2	8
9	737	740	740	732	740	744	733	737	735	741	726	748	759	751	746	737·2	9
10	724	734	730	730	730	741	729	734	733	736	707	746	759	749	742	731·8	10
11	710	727	721	727	714	734	724	726	727	730	697	736	757	740	733	725·3	11
Noon	707	718	707	723	709	725	717	726	722	727	699	726	750	734	720	718·6	Noon
13h	707	716	710	720	707	718	712	724	714	727	705	717	748	733	714	715·1	13h
14	706	713	715	724	712	719	716	724	722	729	715	716	751	737	717	718·0	14
15	713	718	720	731	718	724	726	731	725	736	723	729	751	738	726	723·6	15
16	715	723	727	735	723	731	729	734	726	735	726	738	754	742	728	727·9	16
17	719	726	730	738	723	734	733	735	728	733	726	749	752	743	736	731·2	17
18	723	728	730	739	720	734	733	736	731	735	726	756	749	744	738	732·6	18
19	724	725	728	734	729	730	730	733	729	733	727	758	747	741	739	731·2	19
20	725	727	728	733	728	728	730	733	729	733	730	759	748	741	739	731·5	20
21	727	730	729	732	729	730	731	733	730	735	734	755	749	742	741	733·1	21
22	732	732	731	734	732	731	732	734	731	735	736	753	747	743	741	734·2	22
23	733	733	732	734	732	733	733	734	731	734	736	751	747	744	740	734·6	23

* Register spoilt while developing and unserviceable.

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION VACOAS (424·5 metres above mean sea level) during the MONTH of DECEMBER 1936.

Month and day 1936.	Observations at 10 a.m.									Temperature of the Air.							Rainfall			
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Relative Humidity (Sat. 100).	Vapour Pressure	Wind. Direction.	Wind. Velocity	Amount of Cloud (Scale 0—10).	3h	9h	15h	21h	Daily Maximum.	Daily Minimum.	Daily Range.	Amount recorded by the Casella Pluviograph.	Duration.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
DEC.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	967·7	25·9	5·6	16·4	56	18·5	Calm		1	16·0	25·2	25·9	19·5	28·1	16·0	12·1	0·0	0	7·5	56
2	967·2	25·3	3·9	18·7	67	21·4	65	3·1	8	16·9	24·7	24·8	21·1	27.5	16·9	10·6	3·0	109	5·0	38
3	968·4	22·3	1·1	20·4	89	23·7	90	5·8	6	17·9	21·3	22·7	21·8	23.1	17·9	5.2	10.4	286	0·2	2
4	967·9	25·4	3·5	19·4	69	22·3	55	4·0	6	21·1	24·9	25·5	22·1	27·8	21·0	6·8	2·3	43	6·6	50
5	968·1	23.6	2·3	19·6	79	22·6	70	4·5	10	20·1	22.8	25·0	19·8	25.8	19·8	6·0	0·0	0	10.5	79
6	967.8	24·2	4·1	17·2	65	19.4	65	5.8	6	18·9	22·9	25·8	20·0	26·4	18·9	7·5	0·0	0	10·1	76
7	967·0	24·3	4·2	17·1	64	19·3	70	1·8	7	18·8	23·7	24·1	19·4	27·0	18·0	9·0	0·1	2	6·8	51
8	967·6	24·9	3·6	18·7	69	21·4	100	1·8	7	16·0	23·4	25·5	19·4	27·0	15·7	11.3	0·6	1	12·3	92
9	967·9	23·1	2·8	18·3	74	20·7	80	4·0	7	19·1	23·0	24·4	19·9	26·0	19·0	7·0	0·0	0	9·9	74
10	967·6	24·9	4·0	18·0	65	20·4	85	2·2	6	18·0	23·5	25·2	20·8	27·0	17·9	9·1	0·0	0	11·4	86
11	965·2	25·5	3·9	18·9	67	21·6	90	2·2	7	19·0	23·7	21·2	20·2	27·0	18·6	8·4	11·9	129	4·3	32
12	965·4	25·0	2·7	20·4	75	23·7	65	2·2	9	20·0	23·6	23·0	21·0	27·3	19·7	7·6	0.9	22	4·3	32
13	966·4	27·1	4·1	20·2	66	23·4	Calm		8	19·9	26·9	24·8	21·1	28·8	19·5	9·3	5·2	47	6·6	50
14	966·3	25·3	2·8	20·5	75	23·9	110	2·2	10	18·8	26·0	23·0	20.9	26·0	18·5	7·5	31·9	134	5·7	43
15	964·0	25·2	2·8	20.4	75	23·7	100	3·1	3	20·0	24·2	22.9	20·1	26·6	20·0	6·6	10·7	61	7·0	53
16	962·9	24·5	3·2	19·0	72	21·8	70	2·7	9	19·4	22·9	22·3	20·3	26·4	19·4	7·0	21·2	206	2·5	19
17	963·2	23·1	1·2	21·0	88	24·6	100	1·3	10	19·4	21·4	23·0	21·0	25·6	19·4	6·2	0·3	6	0·9	7
18	962·8	24·7	2·4	20·6	78	24·0	80	0.9	10	20·6	23·8	21·9	21·5	26·0	20·6	5·4	5·0	66	1·0	8
19	962·7	24·1	1·7	21·2	84	24·9	45	3·1	10	20·8	23·5	26·9	23·6	27·1	20·8	6·3	9·9	157	2·0	15
20	960·9	22·0	0·1	21·8	99	25·9	340	2·7	10	20·4	22·1	24·9	21.1	26·1	20·4	5·7	76·8	321	0·8	6
21	960·1	24.9	1·6	22.2	85	26·5	300	3·1	10	21·0	23·0	28·1	24·1	28·1	21·0	7·1	7·0	14	6.5	49
22	962·9	26·3	3·9	19·7	67	22·7	Calm		9	23·4	25·2	26·8	23·2	28·5	23·3	5·2	5·6	40	4.6	35
23	965·7	26·9	3·2	21·5	72	25·4	45	0·9	7	21·5	26·8	24·0	23·1	28·6	21.4	7·2	34.0	131	4·5	34
24	965·8	25·9	2·5	21·6	77	25·5	90	4·0	6	22·0	24·0	26.0	22·0	27·5	21·2	6·3	0·2	1	11·1	83
25	966·3	24·9	3·5	18·9	69	21·6	90	2·2	7	20·0	22·6	26·0	21·9	27·6	19·1	8·5	0·0	0	11·3	85
26	965·8	24·5	3·1	19·2	72	22·0	70	3·1	7	20·1	23·5	27·2	22·7	27·9	20·0	7·9	3·0	20	10·9	82
27	966.5	23·6	1·3	21·3	87	25·1	80	5·8	9	21·8	22·0	23.3	21·9	26·4	21·8	4·6	21·2	96	4·3	32
28	966·1	24·4	1·8	21·3	83	25·1	80	5·8	8	21·5	21·7	23·4	21·0	26·4	21·0	5·4	24·2	211	3·2	24
29	965·7	24·4	2·5	20·1	77	23·3	80	7·2	6	21·0	24·0	25·3	21·1	26·1	21·0	5·1	0·8	3	6·6	50
30	965.9	25·1	3·7	18·8	68	21·5	70	4·5	6	20·1	24·9	26·8	20·9	27·0	18·8	8·2	0·9	11	10·8	81
31	965·8	25·1	2·6	20·7	77	24·2	70	5·4	7	20·8	24·7	26·3	21·8	27·4	20·6	6·8	0·1	1	10·9	82
Mean	965·6	24.7	2·9	19·7	74·5	22·9	...	3·1	7·4	19·8	23·7	24·7	21·2	26·9	19·6	7·3	287.2	2108	6·45	48·6
Average	966·0	24·4	3·1	19·0	72·8	21·9	...	3·4	6·8	...	...	...	...	26·4	19·1	7·3	227·8	...	6·64	50·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

EXCESS OF CERTAIN ELEMENTS AT PAMPLEMOUSSES OVER THE CORRESPONDING ELEMENTS AT VACOAS.

Atmospheric Pressure	+	41·4mbs.	Amount of rain	+	64·3mms.
Temperature of the Air	+	2·5°C	Duration of sunshine	+	29·5hrs.
Vapour Pressure	+	2·0mbs.	Mean of maximum temperatures	+	1·8°C
Relative Humidity	−	4·7%	,, minimum temperatures	+	2·4°C
Velocity of Wind	+	0·6mps.	Absolute maximum temperature	+	2·2°C
Amount of Cloud	+	0·1	,, minimum temperature	+	3·7°C

Greatest Rainfall intensity at Vacoas. 27·3 mms. in 45 minutes.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1936

Month and Day 1936.	Atmospheric Pressure. Mean.	Atmospheric Pressure. Excess above Average	Temperature of the Air. Daily Maximum	Temperature of the Air. Daily Minimum	Temperature of the Air. Daily Range	Temperature of the Air. Mean.	Temperature of the Air. Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. Mean.	Temperature of the Dew Point. Excess above Average.	Relative Humidity (Saturation=100). Mean	Relative Humidity (Saturation=100). Excess above Average.	Vapour Pressure.	Minimum on the Grass.	Rainfall. Amount recorded by the Beckley Pluviograph.	Rainfall. Duration	Amount of Evaporation.	Mean Amount of Cloud (Scale 0—10)
DEC.	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mms.	min	mms.	
1	1008·9	+ 0·6	30·9	19·8	11·1	24·7	0·0	3·2	19·2	+ 0·2	71	C	22·0	17·0	0·0	...	7·9	5·3
2	1009·3	+ 1·1	28·6	20·1	8·5	24·5	− 0·3	2·7	19·9	+ 0·8	76	+ 5	23·0	18·2	7·0	105	5·7	8·7
3	1009·3	+ 1·2	26·1	23·0	3.1	24·4	− 0·4	1·7	21·5	+ 2·4	84	+ 13	25·4	20·9	8·7	88	4·7	9·8
4	1009·2	+ 1·1	29·1	22·4	6·7	25·6	+ 0·7	2·7	21·0	+ 1·8	76	+ 5	24·6	21·6	5·3	63	4.6	7·5
5	1009·4	+ 1·4	27·8	22·2	5·6	24.7	− 0·2	3·1	19·4	+ 0·2	72	+ 1	22·3	21·4	0·0	...	6·6	6·2
6	1008·8	+ 0·9	28·6	20·9	7·7	24·8	− 0·2	3·6	18·6	− 0·8	68	− 3	21·2	19·0	0·0	...	8·5	3·4
7	1008·1	+ 0·3	28·4	20·4	8·0	24·3	− 0·7	3·3	18·6	− 0.9	70	− 1	21·2	19·2	0·1	7	8·0	5·6
8	1008·7	+ 1·0	29·1	19·4	9·7	24·4	− 0·7	3·8	17·9	− 1·7	67	− 4	20·3	16·4	0·0	...	6·2	3·0
9	1009·0	+ 1·4	28·8	21·0	7·8	24·6	− 0·5	3·4	18·8	− 0·8	70	− 2	21·5	18·5	0.0	...	8·7	4·1
10	1007·8	+ 0·3	29·2	21·1	8·1	24·9	− 0·3	3·7	18·5	− 1·2	68	− 4	21·1	19·0	0·0	...	8·3	2·6
11	1006·0	− 1.4	29·6	22·0	7·6	24·5	− 0·7	2·5	20·2	+ 0·5	77	+ 5	23·4	19·9	17·0	40	8·0	6·1
12	1006·3	− 1·1	30·2	22·0	8·2	25·4	+ 0·2	2.6	21·0	+ 1·3	76	+ 4	24·6	19·5	0·0	...	7·0	4·7
13	1007·8	+ 0·4	31·0	22·4	8·6	25·3	+ 0·1	2·4	21·2	+ 1·5	78	+ 6	24·9	20·8	35·4	115	7·6	6·2
14	1006·6	− 0·7	28·6	21·5	7·1	24·4	− 0·9	1·8	21·3	+ 1·5	83	+ 11	25·1	19·9	74·5	155	2·9	5·6
15	1004·6	− 2.7	28·1	21·8	6·3	24·0	− 1·3	2·2	20·2	+ 0·4	79	+ 7	23·4	19·3	7·3	105	*	7·0
16	1003·8	− 3·4	28·1	20·7	7·4	24·3	− 1·0	2·7	19·7	− 0·3	75	+ 3	22·7	19·4	0·0	...	2·9	8·5
17	1003·7	− 3·5	25·8	22·9	2·9	23·9	− 1·5	1·6	21·1	+ 1·0	84	+ 12	24·8	22·0	1·0	65	4·8	9·4
18	1003·1	− 4·0	27·3	22·9	4·4	24·6	− 0·8	1·5	22·0	+ 1·9	86	+ 14	26·2	22·0	3·5	60	2·0	7·9
19	1002·8	− 4·3	30·6	23·0	7·6	26·1	+ 0·7	1·8	23·1	+ 3·0	84	+ 11	28·0	21·9	6·5	175	3·3	8·0
20	1001·0	− 6·0	27·1	22·6	4·5	24·1	− 1·3	0·5	23·2	+ 3·1	95	+ 22	28·1	21.6	108·0	410	6·9	9·7
21	1000·6	− 6·4	29·4	22·9	6.5	25·9	+ 0·4	1·1	24·0	+ 3·8	89	+ 16	29·6	21·9	2·0	10	8·0	8·1
22	1003·5	− 3·4	30·9	23·7	7·2	26·3	+ 0·8	1·6	23·6	+ 3·4	85	+ 12	28·8	22·2	4·8	55	5·4	6·6
23	1005·5	− 1·4	28·9	23·6	5·3	25·7	+ 0·2	1·3	23·5	+ 3·3	88	+ 15	28·7	22·3	2·9	110	5·1	6·7
24	1006·8	0·0	29·1	23·3	5·8	25·8	+ 0·2	2·4	21·7	+ 1·4	78	+ 5	25·7	22·5	0·0	...	4·1	4·5
25	1006·8	0·0	29·1	21·6	7·5	25·3	− 0·3	3·1	20·0	− 0·5	73	0	23·2	18·7	0·0	...	8·5	3·9
26	1006·4	− 0·4	29·2	22·3	6·9	25·8	+ 0·2	2·6	21·4	+ 0·9	77	+ 4	25·2	20·6	16·2	120	7·7	3·9
27	1007·0	− 0·3	28·1	23·6	4·5	25·2	− 0·4	1·7	22·3	+ 1·8	84	+ 11	26·7	21.9	9·1	125	8·9	7·0
28	1006·6	− 0·1	28·1	22.8	5·3	24·6	− 1·0	1.3	22·4	+ 1·9	88	+ 15	26·8	21·8	25·4	325	5·5	9·1
29	1006·2	− 0·4	28·2	22·8	5·4	25·0	− 0·7	2·4	20·9	+ 0·3	78	+ 5	24·5	21·8	15·0	95	6·5	8·5
30	1006·5	0·0	28·8	21·3	7·5	25·1	− 0·6	2·9	20·2	− 0·4	74	+ 1	23·4	20.4	1·3	25	6·1	5·5
31	1006·2	− 0·3	28·8	23·1	5·7	25·5	− 0·2	2·4	21·4	+ 0·8	78	+ 4	25·2	21·8	0·5	35	7·6	5·5
Mean	1006·3	− 1·0	28·7	22·0	6·7	25·0	− 0·3	2·4	20·9	+ 1·0	78·4	+ 6·2	24·6	20·4	Sum 351·5	Sum 2288	6·3	6·4
Aver.	1007·3	...	29·7	21·6	8·1	25·3	...	3·1	19·9	...	72·2	...	23·0	19·1	116·1	1211	6·6	5·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF DECEMBER 1936.

No cyclone travelled in the immediate vicinity of the Island during the month. Only one small centre of quite moderate intensity formed in the North of the Mozambique channel on the 20th. Next day it reached the West Coast of Madagascar, just to the West of Majunga where it rapidly filled up.

Pressure kept high during the first half of the month but fell and remained well below normal from the 14th to the 23rd.

Temperature was frequently below normal with considerable excess in humidity. Wind velocity was below normal during the greater part of the month.

Rainfall at the Observatory was about three times the normal value and fell on 21 days.

* Evaporometer overflowed.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1936.

Month and Day 1936.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Observed Wind Velocity: Mean.	Observed Wind Velocity: Excess above Average.	Temperature of the Soil: 10 Feet.	Temperature of the Soil: 5 Feet.	Temperature of the Soil: 2 Feet.	Temperature of the Soil: 12 inches.	Weather
	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h
DECEMBER									
1	8·3	62	1·8	− 1·5	24·1	25·2	27·2	28·3	b bc : c : bc
2	3·3	25	2·9	− 0·4	24·1	25·3	27·3	28·0	bc : c : o : or_0r_0
3	0·0	0	3·6	+ 0·3	24·1	25·3	27·2	27·6	or_0r_0 : : o : orr : o
4	8·8	66	3·0	− 0·3	24·1	25·3	27·2	27·2	bc : ber_0 : bc : c : orr
5	11·5	86	3·6	+ 0·3	24·1	25·3	27·1	27·7	o : c : bc
6	11·9	89	3·0	− 0·3	24·2	25·5	27·2	27·7	bc : b
7	7·4	56	2·4	− 0·9	24·1	25·4	27·2	27·9	bc : c : cr_0 : bc
8	12·7	95	2·6	− 0·7	24·4	25·5	27·2	27·6	b : bc : b
9	11·5	86	3·5	+ 0·2	24·4	25·5	27·2	27·8	b : bc : b
10	11·5	86	3·2	− 0.2	24·1	25·5	27·2	27·6	b . bc : b
11	6.1	46	2·1	− 1·3	24·1	25·5	27·3	28·0	bc : c : bc : cRR : bc : b
12	8·9	67	2·1	− 1·3	24·1	25·5	27·4	27·8	b : bc : c . bct : bc : bl
13	7·5	56	2·1	− 1·3	24·4	25·7	27·4	28·3	b : bc : ct : oRR : oRRt : c
14	7·1	53	1·4	− 2·1	24·1	25·6	27·5	27·9	b : bc : cgRR : cg
15	4·6	35	2·3	− 1·1	24·1	25·6	27·6	27·6	bc : c : cgr_0r_0 : crr : c : bc
16	1·3	10	2·7	− 0·7	24·1	25·6	27·5	27·3	bc : c : o
17	0·5	4	2·5	− 0·9	24·1	25·6	27·4	27·5	o : c : or_0r_0 : o : c
18	0·3	2	1·7	− 1·7	24·1	25·7	27·4	27·0	or_0r_0 . c : o : d_0 : bc : b
19	6·2	47	2·7	− 0·7	24·1	25·6	27·2	27·3	cd_0d_0 : c : ct : or_0r_0
20	0·0	0	1·9	− 1·5	24·3	25·7	27·2	27·4	oRR : c : orr c : orr : oRR tsm.
21	8·2	62	1·8	− 1·6	24·1	26·0	27·3	26·8	c : bc cr_0 : c : cl
22	8·4	63	1·2	− 2·2	24·1	26·0	27·2	27·6	bc cr_0r_0 : cgt crt : bc
23	5·8	44	2·0	− 1·4	24·1	25·9	27·3	28·2	b bc : cgt : c
24	11·3	85	3·8	+ 0·4	24·1	25·9	27·4	28·1	bc : b : bc : b
25	12·4	93	2·8	− 0·6	24·6	25·9	27·5	28·3	:bc : b
26	12·7	95	2·8	− 0·6	24·1	25·9	27·6	28.3	bd_0d_0 bc : bcr_0 : crr
27	7·8	59	3.8	+ 0·4	24·4	26·0	27·7	28·9	bc : ber_0r_0 : c
28	4·4	33	4·2	+ 0.9	24·1	26·0	27·9	28·4	or_0r_0 : c : orr
29	6·9	52	3·9	+ 0·6	24·1	26·0	27·8	28·2	orr : cqr_0 : c
30	10·5	79	3·6	+ 0·3	24·1	26·1	27.8	28·1	bc : cr_0
31	11·6	87	3·8	+ 0·5	24·2	26·0	27·7	28·4	cr_0 : cq : ber_0 : bc : b
Mean	7·40	55·6	2·74	−0·62	24·17	25·66	27.39	27·83	.....
Average	7·78	64·6	3·36	...	24·58	25·55	27·13	27.94	.....
Column	19	20	21	22	23	24	25	26	.....

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF DECEMBER 1936.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1010·7mbs.	at 22 00hrs.	on 5th	999·0mbs.	at 16·00hrs.	on 20th
Temperature of the Air	31·0°C	at 12·40hrs.	on 13th	19·4°C	at 02·35hrs.	on 8th
Daily range of temperature of the Air ...	11·1°C	...	on 1st	2·9°C	...	on 17th
Temperature of the Dew Point	25·4°C	at 09·00hrs. / 13 00hrs.	on 21st / on 22nd	16·0°C	at 14·00hrs.	on 8th
Daily range of temperature of the Dew Point	4·8°C	...	on 5th	1·7°C	...	often
Minimum on Grass	...	...	...	16·4°C	...	on 8th
Relative humidity	100%	at 16·00hrs.	on 20th	46 3%	at 14·00hrs	on 8th
Vapour Pressure	32.1mbs.	at 09.00hrs. / 13.00hrs.	on 21st / on 22nd	18·0mbs.	at 14·00hrs.	on 8th
Evaporation in 24 hours	8·9mms.	...	on 27th	2·0mms.	...	on 18th
Wind Velocity	5·9m.p.s	at 13.00hrs.	on 28th	0.6m.p s.	...	often
Rainfall in 24 hours	113.0mms	ending 22hrs.	on 20th	...	...	...
Duration of sunshine	12·7hrs.	...	on 8th & 26th	0 ohr.	...	on 3rd & 20th

Mean Day Temperature of Air, 26·70°C Average 27·69°C. Mean Night Temperature of Air 23·22°C. Average 23 68°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: 0.1 — 0.9 mms.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	3	13	13	2	2	6	6	3	4	2	1

TABLE VIII.—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 55·2 metres above mean sea-level.)

DECEMBER 1936.

The initial 10 or 9 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	082	098	092	101	102	099	092	091	100	092	074	061	082	087	062	041	Midnight
1	078	094	087	096	100	092	086	087	092	090	067	056	078	080	056	039	1h
2	071	091	082	089	093	090	080	081	090	085	061	051	073	071	050	036	2
3	071	090	081	088	090	088	079	080	089	081	056	050	069	067	048	031	3
4	071	090	081	086	090	086	076	080	089	082	054	050	068	067	049	031	4
5	075	091	090	087	091	086	077	081	090	086	056	051	070	066	049	031	5
6	081	097	095	091	094	089	080	085	091	090	060	058	080	070	051	033	6
7	089	097	099	095	100	090	085	089	094	092	064	062	081	075	055	039	7
8	091	100	100	097	100	091	083	090	096	090	066	067	081	078	055	041	8
9	097	101	100	096	101	091	083	090	097	088	065	067	081	077	054	041	9
10	099	100	100	098	100	091	083	091	096	086	067	068	081	075	051	043	10
11	096	099	095	094	096	090	084	090	092	080	061	066	080	072	047	041	11
Noon	093	096	093	091	091	090	079	084	090	076	060	062	078	071	042	041	Noon
13h	091	091	091	087	088	086	071	080	083	070	060	060	077	062	039	039	13h
14	088	089	089	082	083	081	070	076	080	064	057	059	078	060	038	034	14
15	084	082	084	081	081	080	071	073	076	060	054	055	069	053	034	030	15
16	083	081	085	081	081	079	071	077	073	059	049	052	066	047	033	027	16
17	086	086	085	082	083	080	071	080	076	060	048	056	070	049	035	029	17
18	091	089	089	086	089	081	077	084	082	064	050	061	073	050	037	030	18
19	098	092	095	092	094	083	083	091	090	071	055	071	081	053	040	035	19
20	101	093	101	097	100	090	088	097	095	077	061	077	083	060	043	042	20
21	104	098	104	100	102	191	090	100	100	078	063	080	089	062	043	048	21
22	105	100	107	102	107	096	094	102	100	080	070	084	090	068	046	050	22
23	103	101	104	107	103	096	092	102	098	080	070	083	090	067	045	050	23

The initial 10 or 9 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	043	037	035	027	010	024	051	067	079	071	074	073	062	070	072	1006·9	Midnight
1h	037	033	030	019	003	021	048	061	073	067	070	070	061	067	067	1006·5	1h
2	036	031	028	015	001	020	043	060	071	060	065	066	057	060	061	1006·0	2
3	032	030	021	011	999	018	040	059	070	056	063	066	058	056	061	1005·8	3
4	031	030	021	011	999	019	041	056	070	057	060	065	056	055	061	1005·7	4
5	031	030	024	011	000	021	042	061	070	060	062	063	054	060	063	1005·9	5
6	033	030	030	017	001	029	050	065	071	062	067	071	060	065	066	1006·3	6
7	041	031	036	021	010	033	057	071	076	066	072	073	068	066	070	1006·8	7
8	041	035	039	020	010	039	060	072	079	069	076	073	066	068	071	1006·9	8
9	046	039	040	017	010	041	061	074	079	070	079	072	063	070	070	1007·0	9
10	045	041	040	016	010	041	061	077	074	071	079	073	068	070	072	1007·0	10
11	041	036	037	020	008	041	060	075	070	071	076	070	062	068	071	1006·7	11
Noon	041	033	030	011	003	039	060	071	063	068	072	068	060	064	068	1006·4	Noon
13h	040	030	027	004	002	054	059	063	058	061	069	064	061	062	061	1006·0	13h
14	034	027	021	001	000	032	051	060	054	057	064	061	054	060	052	1005·7	14
15	031	027	020	995	996	025	046	054	051	051	061	057	050	057	049	1005·3	15
16	029	021	019	990	993	026	049	052	052	050	061	053	049	053	043	1005·1	16
17	030	022	020	992	997	028	050	056	059	051	062	057	051	054	043	1005·3	17
18	031	025	020	998	002	040	051	064	061	057	067	064	060	059	050	1005·8	18
19	036	026	021	000	010	046	059	070	063	062	071	066	066	066	059	1006·3	19
20	040	030	030	011	014	049	064	077	071	070	072	066	069	072	062	1006·8	20
21	041	031	031	017	020	052	070	081	074	073	076	070	071	076	066	1007·1	21
22	040	037	034	014	021	059	073	086	079	078	080	070	073	077	070	1007·4	22
23	040	039	031	019	023	058	072	083	079	076	077	070	074	077	068	1007·3	23

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

Hour. / Day.	DECEMBER 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean
Midnight	1	6	10	8	10	3	3	3	4	2	4	1	1	4	5	5	10	9	2	10	10	7	2	8	4	2	8	9	10	6	7	5·6
1h	1	6	10	7	10	4	4	2	2	1	5	1	1	2	4	3	10	10	4	10	10	6	2	7	4	2	6	9	10	4	7	5·3
2	1	7	10	7	10	3	4	2	2	1	7	1	1	3	2	3	10	10	5	10	8	5	1	6	2	2	6	10	10	5	8	5·2
3	1	8	10	9	10	4	5	2	2	1	8	2	1	2	2	4	10	10	7	10	8	5	1	5	4	2	4	10	10	5	10	5·5
4	1	8	10	8	10	4	5	2	2	1	9	4	1	2	2	4	10	10	8	10	8	5	1	6	6	2	4	9	10	4	10	5·7
5	2	5	10	7	10	3	3	2	2	1	8	5	2	2	8	9	9	10	8	9	8	5	1	7	3	2	2	8	10	3	9	5·6
6	3	8	10	6	9	3	3	2	2	2	8	7	2	2	9	9	8	9	10	8	9	6	3	3	3	2	2	8	10	4	9	5·8
7	3	8	10	8	6	4	4	2	2	2	8	7	7	2	9	9	8	8	8	9	8	8	7	5	5	3	5	6	8	5	8	6·2
8	4	9	10	7	8	5	5	2	6	1	7	7	7	1	9	9	8	8	8	10	9	9	7	5	8	4	7	8	8	6	7	6·7
9	7	9	10	7	8	4	5	3	7	4	7	8	7	5	9	9	10	8	8	10	9	8	8	6	8	5	6	8	8	7	8	7·3
10	6	9	10	6	8	5	5	5	7	4	7	7	7	8	9	9	10	9	8	10	8	8	9	6	6	5	7	9	9	7	9	7·5
11	4	9	10	5	4	5	5	5	6	4	7	8	7	9	6	9	10	9	9	10	7	7	8	5	5	5	8	7	8	4	5	6·8
Noon	7	9	10	6	4	5	5	6	5	5	8	8	7	9	8	10	10	10	7	9	6	7	8	4	3	4	10	9	7	4	4	6·9
13h	8	9	10	5	4	4	6	5	6	5	8	6	8	6	8	10	10	10	7	9	6	7	9	3	2	4	8	9	8	5	5	6·8
14	9	10	10	7	4	4	8	4	7	5	9	6	8	8	9	10	10	10	8	9	7	7	9	3	3	4	8	10	8	6	4	7·2
15	9	8	10	7	5	4	9	5	4	4	9	6	6	7	9	10	10	10	9	10	8	7	9	2	3	2	8	10	8	4	4	7·0
16	8	10	9	8	4	4	9	4	4	4	7	6	8	6	9	9	9	9	9	10	8	7	9	3	3	3	8	9	8	7	4	7·0
17	9	10	9	9	5	4	9	4	5	4	8	8	10	8	9	10	9	10	9	10	9	8	9	4	3	4	8	10	8	6	3	7·4
18	8	10	9	9	4	4	9	1	6	3	7	6	10	5	9	10	9	9	9	10	9	9	9	8	3	3	8	10	8	8	2	7·2
19	7	10	9	9	4	2	8	1	5	4	3	4	10	8	8	10	9	9	9	10	9	9	9	4	3	2	9	10	8	8	2	6·8
20	7	10	10	6	4	1	8	1	4	1	2	1	9	9	7	10	9	3	9	10	8	5	9	3	6	2	9	10	8	8	2	6·2
21	6	10	10	9	4	1	5	2	3	1	1	1	9	8	6	10	9	2	9	10	8	3	9	2	3	8	9	10	8	8	2	6·0
22	6	10	10	10	5	1	4	2	3	1	1	1	9	8	6	10	9	1	9	10	8	3	9	2	2	9	9	10	8	5	3	5·9
23	6	10	10	10	3	1	3	4	2	1	1	1	8	9	5	10	9	1	10	10	8	4	9	2	2	9	9	10	7	5	3	5·9

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

Hour Ending. / Day.	DECEMBER 1936.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs
6h	12	0	0	0	0	0	6	23	2	20	0	13	12	17	1	0	0	0	0	0	0	14	23	17	20	24	0	0	0	0	0	3·4
7	58	5	0	47	46	56	33	60	60	60	0	38	58	58	37	0	2	0	10	0	0	58	56	57	56	55	10	25	11	59	45	17·7
8	58	35	0	53	43	60	60	60	46	60	42	27	27	60	60	2	22	0	44	0	12	29	60	48	59	60	47	35	32	54	60	20·9
9	60	40	0	58	53	60	60	60	60	60	36	30	48	60	25	7	8	4	46	0	51	27	43	60	40	60	50	47	60	60	60	22·2
10	45	25	0	59	60	60	60	60	60	55	55	60	56	30	60	25	0	3	55	0	60	44	37	60	60	60	46	47	54	60	49	23·4
11	60	23	0	60	60	60	60	60	60	58	59	60	60	29	52	30	0	0	40	0	60	60	26	60	60	60	60	55	47	60	52	23·9
Noon	60	5	0	58	60	60	60	60	60	60	51	60	42	0	16	5	0	0	40	0	60	55	37	60	60	60	35	16	25	60	60	20·4
13h	35	10	0	58	60	60	60	60	58	59	15	60	23	0	0	1	0	0	60	0	60	55	0	60	60	60	12	34	52	60	60	18·9
14	43	21	0	60	60	60	41	60	55	51	43	60	0	17	0	7	0	4	56	0	60	17	0	60	60	60	45	4	27	60	60	18·2
15	17	20	0	60	60	60	4	60	52	58	0	55	56	24	0	0	0	0	17	0	53	54	0	60	60	60	47	0	40	60	60	17·3
16	30	12	0	18	60	56	0	60	60	59	5	53	33	53	7	0	0	0	2	0	60	5	0	60	60	60	46	0	30	47	60	15·6
17	1	0	0	0	60	60	0	60	60	56	56	17	35	27	7	0	0	4	0	0	17	45	30	57	60	60	18	1	22	32	58	14·0
18	10	0	0	0	60	56	0	60	52	30	6	0	0	44	8	0	0	4	0	0	0	38	38	14	60	60	37	0	11	19	60	11·1
19	9	0	0	0	7	5	3	20	4	5	0	0	0	5	0	0	0	0	0	0	0	0	0	2	30	24	16	0	0	0	13	2·4

The total Amount of Registered Sunshine was 229.4 hrs. and the total possible sunshine was 412·3 hrs.

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

(To obtain temperatures on the Absolute Scale add 273)

DECEMBER 1936.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	21·3	1·3	20·8	1·7	23·6	0·8	24·1	1·7	23·1	0·7	22·8	2·6	22·1	1·4	20·4	1·4	Midnight
1h	20·9	1·4	20·2	1·2	23·8	0·9	24.0	1·6	23·3	1·1	22·5	2·3	21·9	1·5	20·1	1·3	1h
2	20·3	1·1	20·8	1·7	23·9	1·0	23·6	1·5	23·0	0·9	22·6	2·3	22·1	1·4	19·9	1.6	2
3	20·0	1·1	20.4	1·2	23·7	1·0	23·4	1·2	23·0	1.0	21·6	1·7	22·0	1·5	19·8	1·3	3
4	20·0	1·2	20·3	1·2	23·4	0.8	23·1	1·2	23·1	1·2	21·0	1·3	21.4	1·3	19·7	1.6	4
5	20·0	1·0	20·5	0·8	23·0	1·3	22·9	0·8	23·1	1.3	22·6	1·8	21·3	1·3	19·9	1·2	5
6	20.9	1·0	22·1	2·0	23·8	1·0	23·2	1·1	23·2	1·4	22·0	1·9	22·0	1·7	20·0	1·9	6
7	24·0	1·3	23·7	1·8	23·8	1·0	25·1	1·9	24·6	2·1	24·4	3·3	24·1	2·2	24·5	2·9	7
8	26·2	3·3	25·1	2·3	24·4	1·2	26·0	2·8	25·2	2·5	25·7	3·8	25·7	4·1	26·0	4·1	8
9	28·0	5·1	26·7	4·4	24·9	2·0	27·0	3·8	26.1	4·0	26·6	4.7	26·9	5.3	26·1	4·0	9
10	29·7	5·3	27·2	4·4	25·6	2·5	27·6	3·9	26·7	4·3	27·3	5·6	27·4	5·4	27·2	5·2	10
11	30·1	6·1	27·8	5·2	25·7	2.5	28·3	4·5	27·2	6·0	27·9	6·1	28·2	6·1	28·4	6·7	11
Noon	30·6	6·4	27·9	5·0	25·5	2·5	28·1	4·5	27·2	5·3	28.0	6·1	28·3	6·3	28·0	6·3	Noon
13h	29·9	5·7	27·7	4·7	25·0	2·0	28·7	4·8	27·2	5·5	27·9	5·7	28·1	6·0	28·3	6.6	13h
14	29·5	5·7	28·0	4·9	25·0	1·8	29·0	5·0	27·3	5·2	28·0	6·0	27·5	6·3	28·7	7·6	14
15	28·5	5·7	28·0	5·0	25·6	2·9	28·1	4·4	27·0	5·1	28·0	5·9	26·5	5·4	28·1	6·9	15
16	27·9	5·6	27·6	4·0	25·0	2.0	27·1	3·8	26·3	5·0	27·6	5.8	26·0	4·0	27·7	6·7	16
17	27·1	5·3	26.0	3·4	25·2	2·7	26·2	3·1	25·9	4·9	26·9	4·9	25·1	3·5	26·7	5·6	17
18	26·0	4·0	25·3	2·8	24·9	2·3	25·9	2.9	25·0	4·0	25·3	3·4	24·9	3·7	25·9	5·0	18
19	23·9	2·8	24·2	1·5	24·1	1·6	25·1	2·2	24·1	3·2	24·7	3·5	24·0	3·3	24·3	3·8	19
20	23·2	1·6	24·1	1·2	24·1	1·9	25·0	2·2	23·5	2·6	23·9	2·8	23·3	2·8	23·2	2·9	20
21	22·7	1·5	23·9	1·1	24·1	1·7	24·9	1·9	22·7	2·1	22·9	2·0	22·8	2·7	23·0	2·3	21
22	21·5	1·4	24.1	1·1	24·0	1·5	24·1	1·2	22·7	2·5	22·7	1·9	22·1	2.1	22·9	2·2	22
23	20·9	1·7	23·3	1·3	24·1	1·5	23·1	1·0	22·4	2·3	22.5	1.5	21·1	1·6	23·0	2·1	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air	Excess of Air over Evap.	
Midnight	22·1	1·8	22·6	2·4	23·1	1·5	22·9	1·0	23·0	1·1	23·1	0·6	22·4	1·2	22.0	1·6	Midnight
1h	21·7	1·6	22·0	2·2	22·9	1.4	22·6	0·9	22·8	1·1	23·0	0·9	22·2	1·1	21·5	1.5	1h
2	21·8	1·7	22·0	2·2	22·9	1·7	22·6	0·9	22·5	1·2	22·8	0.8	22·3	1·3	21·4	1·4	2
3	21·2	1·2	21·9	2·6	22·6	1·6	22·3	0·9	22·7	0·9	22·1	0·7	22·0	1·0	21·0	1·2	3
4	21·5	1·4	21·8	2·6	22·6	1·5	22·0	0·9	22·9	1·2	22·0	0·8	22·0	1·0	21·1	1·2	4
5	21·1	1·1	21·1	2·0	22·1	1·2	22·0	1·0	23·1	1·2	21·6	0.7	22·0	1·1	21·7	1·6	5
6	21·9	1·6	22·2	2·3	22·1	1·2	22·7	0·8	23·3	1·2	22·1	1·0	22·3	0·9	22·0	1·4	6
7	24·8	2·9	24·5	3·4	24·0	2·0	24·7	1.6	25·8	2·2	24·9	1·9	24·3	2·1	23·4	2·3	7
8	26·1	3·8	26·1	4·3	26·3	3·5	24·3	1·4	26·7	2·8	26·1	2·9	25·8	3·2	24.9	3.2	8
9	27·0	4·9	27·1	4·9	26·5	3·9	26·0	2·2	27·7	3·5	27·7	3·8	25·9	3·1	25.8	3·7	9
10	27·7	5·6	27·7	5·5	28·0	5·0	28.1	4·3	28·8	4.6	27·1	3·0	27·1	4·1	26·3	4·1	10
11	27·9	5·6	28·0	5·9	28.1	5·4	29·0	5·0	30·1	4·9	26·7	2·9	27·5	3·7	27·0	4·0	11
Noon	28·0	5·4	28·4	6·3	29·1	6·1	29·3	5·0	30·1	5·1	24·4	1·2	27·1	3·3	27·0	4·1	Noon
13h	27·1	4·7	28·3	6·1	26·8	3·9	29·3	4·9	29·8	6·7	27·2	2.5	26·2	3·0	27·1	4·1	13h
14	27·1	5·0	28.7	7·2	25.2	4·2	28·9	5·2	25·0	3.8	24·6	1·1	24·0	1·6	27·0	4·0	14
15	27·7	5·7	28·2	6·2	23·2	2·4	28·9	5·3	28·5	5·2	25·1	1·5	24·1	1·7	25·8	3·4	15
16	27·0	4·7	27·7	5·2	24·9	2.4	28·1	4·8	28·7	4·7	26·9	2·3	24.4	2·2	26·2	3·7	16
17	26.7	4·9	27·0	4·8	26·1	5·0	26·9	3·9	25·1	1·4	24·0	1·0	24·7	2·7	26·0	4·0	17
18	26·1	4·9	25·2	3·3	24·9	3·1	26·1	3·1	24·0	1·0	26·0	1·9	24·7	2·7	25·5	3·7	18
19	24·1	3·2	24.3	2·4	24·0	1·9	25·3	2·3	23·2	0·4	24·8	1·1	23·9	2·7	24·6	2·6	19
20	23·5	2·8	24·0	2·2	23·7	1·5	24·8	1·8	23·1	0·5	24.1	2·6	23·1	2·1	24.1	2·1	20
21	23·1	2·3	23·6	2·1	23·3	1·2	24·1	1·4	23·5	0·5	23·7	2·6	22·9	2·1	25·9	2·0	21
22	22·9	2·6	23·1	1·9	23·1	1·1	23·9	1·3	23·2	0·5	23·9	2·9	22·7	1·9	23·8	1·9	22
23	22·9	2·3	23·1	1·5	22·9	0·9	23·5	1·1	23·0	0·8	23·1	2·2	22·2	1·6	23·7	2·1	23

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

(*To obtain temperatures on the Absolute Scale add 273*)

DECEMBER 1936.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	23·6	2·1	23·1	1·1	23·6	0·6	25·2	0·4	22·9	0·4	24·8	0·7	24·1	0·8	24·3	0·7	Midnight
1h	23·4	2·1	23·2	0·6	23·5	0·6	25·2	0·4	23·0	0·3	24·6	0·6	23·9	0·8	24·3	0·7	1h
2	23·1	1·6	23·1	0·7	23·0	0·7	24·9	0·4	23·0	0·3	24·5	0·5	23·7	0·7	23·8	0·9	2
3	23·0	1.0	23·0	0·7	23·2	0·4	23·0	0·7	23·0	0·4	24·1	0·5	24·0	1·0	24·0	0·9	3
4	23·0	1.0	23·0	0·7	23·4	0·5	22·9	0·8	23·1	0·3	24·0	0·8	24·2	0·4	23·9	0·9	4
5	23·0	1·2	22·9	0·6	23·6	0·6	22·8	0·7	23·1	0.3	24·0	0·7	24·1	0·4	23.7	0·8	5
6	23·0	1.3	23·0	0·8	23·7	0·6	23·0	0·7	23·3	0·3	24·1	0·6	25·0	0·9	24.0	1·1	6
7	23·8	1·7	23·1	1·0	24·2	0·2	24·1	0·5	24·3	0·3	26·2	1·2	26·2	1·1	25·1	1·5	7
8	24·9	2·4	23·7	0·9	25·9	1·1	23·9	0·1	25·9	0·6	27·2	1·4	27·6	2·0	26·0	2·1	8
9	25·0	3·2	24·9	1·7	26·9	2·7	24·3	0·3	26·9	0·9	26·4	1·4	27·6	2·0	27·7	3·4	9
10	24·6	1·7	26·0	2·5	28·3	2·9	24·1	0·2	27·7	1·6	27·8	1·9	27·1	1·8	28·0	3·3	10
11	24·4	1·3	26·1	2·4	28·6	3·4	23·2	0·4	28·8	2·3	29·8	2·8	27·2	2·1	28.4	3·5	11
Noon	24·7	1·5	25·9	2·1	29·1	3·5	24·9	0·5	29·1	2·5	30·1	3·0	28·3	2·7	28·9	4·2	Noon
13h	25·0	1·6	26·7	2·5	29·7	3·9	26·2	0·9	29·1	2.6	29·7	2·6	26·6	1·6	29·0	4·4	13h
14	25·2	1·8	27·0	2·4	29·9	4·3	26·7	1·4	29·3	2·6	26·6	2·9	26·3	1·3	28·8	4·5	14
15	25.7	2·1	26·6	1·8	28·6	3·4	26·5	2·0	28·7	2·5	29·3	3·0	26·8	2·0	28·1	4·1	15
16	25·0	2·0	26·8	2·6	28·1	3.7	24·0	0·0	29.1	2·8	28·4	2·8	27·0	2·0	27·4	3·9	16
17	24·1	1·8	26·1	2·1	27·2	2·6	24·3	0·1	27·9	1·9	28·3	2·2	27·6	2.5	26.8	3·8	17
18	23·6	1·7	25·6	2·2	26·7	2·4	24·3	0·2	26·2	1·1	27·6	2·4	26·1	1·4	26·1	3·2	18
19	23·3	1·5	24·7	1·4	26·0	1·4	24·3	0·2	26·0	1·0	25·9	1·6	25·2	1·1	25·0	2·2	19
20	23·2	1·6	24·0	1·2	26·0	1·2	23·3	0·4	25.6	0·8	24·9	1·0	25·0	1·0	24·4	1·8	20
21	23·3	1·3	23·8	0·9	25·9	1·8	23·1	0·1	25·5	0·6	24·4	0·7	24·9	0·9	24·1	1·7	21
22	23·3	1·1	23.6	0·8	25·3	1·0	23·1	0·1	25·0	0·7	24·1	0·6	24·4	0·5	23·9	1·7	22
23	23·2	1·2	23·4	0·6	25·1	0·4	22·9	0·2	24·9	0·8	24·2	1·0	24·4	0·6	23·7	1·7	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean		Day. / Hour.
	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	Air.	Excess of Air over Evap.	
Midnight	23·2	1·4	23.0	1·1	23·9	0·9	24·3	1·2	22·9	1·2	24·1	2·8	23·1	1·0	23·1	1·3	Midnight
1h	22·8	1·5	23·3	1.1	23·7	1·0	24·3	1·2	23·7	0.7	23·2	2·1	23·9	1·0	22·9	1·1	1h
2	22·2	1·1	23·2	1·0	23·8	0·9	24·1	1·1	23·2	0·9	23·0	2·0	23·8	1·9	22·8	1·2	2
3	22.5	1·5	23·0	0·9	23.9	0·9	24·0	1·0	23·0	0·8	22·9	1·9	23·9	1·7	22·6	1·1	3
4	22·1	1·1	23·0	1·0	24·0	1·0	23·9	0·9	22·9	0·8	21·9	1·2	23·8	1·1	22·5	1·1	4
5	21·8	0·6	22·8	0.7	24·1	1.1	23·2	0·7	23·1	0·5	21·5	1·0	23·9	1.2	22·4	0·9	5
6	22·2	0·5	23·4	1·1	23·9	0·8	23·4	0·8	23·1	0·4	22·0	1·2	24·0	1·4	22.9	1·2	6
7	24·7	2·5	25·2	1·5	24·0	0·8	24·5	1·2	24·3	1·3	24·4	2·2	25·3	2·2	24·5	1·7	7
8	26·1	3·7	26·6	2·7	25·6	1·6	25.6	1·5	26·0	2·4	26·2	3·5	25·9	2·7	25·7	2·5	8
9	26·7	3·9	27·3	3·3	27·2	3·2	26·9	2·9	26·8	3·5	27·2	4·8	26·6	3·1	26·6	3·3	9
10	27·4	4·3	27·8	3·9	25·1	1·3	26·9	2·7	26·7	3·3	27·9	4·7	27·2	3·2	27·2	3·6	10
11	28·2	4·5	28·5	4·5	27·1	2·8	27·2	3·2	27·3	3·6	28·1	4.8	27·4	3·3	27·7	4·1	11
Noon	28·3	5·9	28·8	4·9	26·0	2·0	26·7	2·7	27·1	3·6	28·3	4·8	28·0	4·1	27·8	4·1	Noon
13h	28·8	6·1	28·8	5·3	27·3	2.6	26·6	2·6	27·8	3·9	28·2	4.9	28·2	4.2	27·8	4·1	13h
14	28·7	5·7	28·9	4·8	27·0	2·8	26·1	2·1	27·1	4·3	28·2	5·2	28·3	4·5	27·3	3·9	14
15	28.4	5·7	28·6	5·4	27·1	3·1	24·0	0·9	27·0	4·1	28·1	4.5	28·0	4·3	27·2	4·0	15
16	28·1	5·8	28·1	4·7	26·2	2·5	25·3	1·3	26·3	3·9	27.2	3·6	27·8	4·3	26·9	3·7	16
17	27·2	4·9	27·8	4.1	25·9	2·6	24·2	0·9	26·0	3·8	26·9	4.3	26·9	3·8	26·2	3·3	17
18	26·3	4·1	27·0	3·1	25·6	2.6	23·9	0·9	25.2	3·2	25·1	2·1	26·2	3·2	25·5	2·7	18
19	25·1	2·8	25·7	1·8	24·9	1·7	23·2	0·5	24·2	2·3	24·1	2.1	25·0	2·1	24·6	2·1	19
20	24·2	1·9	25·1	1.3	24·8	1·2	22·6	0·9	23·7	1·9	24·0	2·1	24·2	1·4	24·1	1·7	20
21	23·9	1·7	24·2	1.2	24·5	1·0	23·7	0·8	23·7	1·7	22·9	1·0	24·0	1·3	23·8	1·5	21
22	23·8	1.7	24·0	0·8	24·1	1·0	23·7	0·7	24·3	2·4	23·2	1·1	24·1	1·5	23·6	1·4	22
23	23·5	1·4	24·0	0·8	24·0	1·1	23·6	0·9	24·2	2.5	23·6	1·3	23·3	1·1	23·3	1·3	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during DECEMBER 1936.

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

The Velocities are given in Metres per second, using the factor 2·2.

*(The days on which the Normal Trade-Winds are interrupted are indicated by an asterisk *).*

DECEMBER 1936.

Day. / Hour.	1d *		2d.		3d.		4d.		5d.		6d. *		7d.		8d.		9d.		10d.		11d. *		12d.		13d.		14d.		15d.		16d.	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	16	1·7	12	1·1	09	3·6	08	2·5	09	2·1	09	2·7	11	1·9	09	1·1	11	1·1	11	3·3	11	2·3	11	1·8	08	1·1	10	1.2	14	1·1	12	2·0
1h	16	1·5	12	1·4	09	2·8	07	1·2	09	1·9	09	1·7	11	1·6	09	0·7	11	1·1	11	2·3	11	2·0	11	1·5	10	1·1	11	1·2	14	2·0	12	2·2
2	16	1·9	12	1·5	09	3·8	07	2.0	09	1·4	08	1·5	11	1·9	09	1·0	11	0·8	11	2·6	11	1·9	11	1·2	10	1·1	12	0·7	14	1·8	11	1·9
3	16	2·0	12	1.1	10	3·1	08	1·4	09	2·4	08	1·5	11	1·3	09	1·3	11	1.0	11	2·5	12	1·7	11	1·1	10	1·6	11	1·1	14	1·4	11	1·9
4	14	1·9	12	1·3	11	2·6	09	2.3	09	2·6	08	1·1	11	1·2	11	0·9	12	1·4	11	3·1	12	0·6	11	1·5	10	2·0	12	1.1	11	1·4	11	1·9
5	14	1·4	12	1·8	11	3·1	09	3.0	09	2·6	08	2·1	11	2·1	11	1·4	12	1·8	12	2·3	12	1·0	11	0·9	10	2·4	12	1·0	11	1·5	11	1·8
6	14	1·2	12	1·4	10	2·8	09	2·7	08	2·7	08	1·9	11	1·4	11	2·9	12	1·5	12	2·9	12	0·6	11	1·1	11	2·6	12	1·4	12	2.0	11	1·8
7	14	0·7	11	2·6	10	4·1	06	2·7	07	3·6	06	3·8	11	3·1	10	2·6	11	2·8	12	3·2	11	1·8	11	0·8	11	2·0	12	1·1	12	2·4	11	2·1
8	07	1·1	10	4·2	12	4·0	06	4·1	08	5·1	07	5·0	07	3·1	09	4·3	12	3·7	10	4·2	11	2·4	11	1·4	06	2·5	12	1·1	13	3·7	10	2·7
9	32	1.1	08	3·3	08	4·5	06	3·5	05	5·0	05	4·8	08	3·5	08	4.2	08	4·9	11	3·7	10	4·0	09	1·8	04	2·4	11	1·3	12	3·5	09	4·8
10	30	2·1	08	3·8	07	4·3	06	4·0	08	5·1	05	5·1	06	3·1	10	3·2	10	4·9	07	4·1	12	3·2	08	3·1	05	2·2	06	2·9	11	3·3	06	3·4
11	31	2·9	08	4·0	09	5.0	08	4·3	09	5·5	06	5·2	10	2·9	10	3·7	08	4·9	12	4·1	09	2·5	04	3·8	03	2·1	10	3·4	09	3·3	08	3·7
Noon	31	3·4	06	3.9	08	4·7	06	4·2	08	4·9	06	4·7	07	4·3	08	4·0	09	5·2	09	4·0	11	3·2	02	4·3	03	3·3	r01	1·7	15	2·9	08	3·8
13h	29	3·5	06	3·9	09	4·6	05	4·6	08	4·9	05	4·4	07	4·4	08	4·0	09	5·3	08	3·9	18	4·8	05	4·1	06	3·7	02	1·3	14	2.4	07	4·0
14	23	3·2	09	4·0	06	3·9	08	4·4	07	4·8	07	4·7	07	3·3	09	4·0	08	5·1	08	3·6	15	3·3	06	3·6	13	4·7	06	2·1	10	1·2	06	3·3
15	23	2·8	09	4·1	07	3·9	05	4·4	07	4·4	07	4·0	07	2·3	08	4·4	08	5·1	08	4·4	d28	2·0	05	3·2	04	1·3	13	1·2	12	2·9	05	2·9
16	22	2·0	08	4·2	09	4·0	07	3·8	07	4·5	09	3·8	d18	1.9	10	4·2	08	5·3	09	5·0	26	1·0	08	3·2	07	1·1	13	1·1	12	2·3	12	2·9
17	25	1·6	09	4·3	08	4·1	07	3·2	05	3·9	07	3·3	r08	2·0	09	4·3	09	5·0	11	4·8	r12	2·4	07	2·9	11	3·1	11	1·6	12	3·3	06	2·8
18	23	0·8	09	4.2	10	4·0	06	2·7	06	3·7	07	2·3	09	3·6	12	3·7	09	5·0	09	3·3	11	3·0	07	2·1	14	4·2	11	0·7	12	2·9	08	2·9
19	23	0·9	10	2·2	09	3·2	08	2·6	08	3·2	08	2·9	10	2·8	12	2·2	10	3·7	11	1·6	12	1.9	07	1·4	r32	1·2	11	0·7	12	2·4	12	3·2
20	r12	1·0	10	2·1	09	2·5	06	2·2	08	3·1	08	2·5	10	1·3	12	1·6	10	2·9	11	2·4	10	1·8	07	1.1	04	0·9	11	1·4	12	2·1	11	2·4
21	12	1·1	11	3.0	09	2·9	07	3·1	09	2·0	08	1·8	09	2·5	11	1·2	11	2·9	12	2·6	11	1·5	07	1·3	10	1·0	12	1·6	12	2·1	12	1·8
22	12	1·1	10	2·5	09	3·2	06	1·4	09	2·5	08	1·1	09	1·7	11	0·6	10	3·3	12	2·0	11	1·8	08	0·8	10	1·3	12	1·8	12	2.3	12	1·9
23	12	1.4	05	3·1	09	3·0	08	3·9	09	3·0	08	1·4	09	1·3	11	0·6	10	3·2	11	2·3	11	1·6	08	1.8	10	1·1	14	1·1	12	1·5	12	2·3

Day. / Hour.	17d.		18d.		19d.		20d. *		21d *		22d. *		23d.		24d.		25d.		26d.		27d.		28d.		29d.		30d.		31d		Mean.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel	Dir.	Vel.	Dir.	Vel.	Dir	Vel	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Velocity
Midnight	12	3·0	10	1.9	06	0·7	04	1·5	01	1·2	03	0·6	12	1·4	11	2·9	11	3·5	11	1·1	11	2·2	10	4·1	08	3·5	09	3·2	12	3·1	2.1
1h	11	2·5	10	1·3	11	0·6	04	1.5	07	0·7	03	0·6	12	0·8	11	2·4	11	2.5	12	2·1	10	2·6	11	4·0	08	2·3	09	3·1	09	2·8	1·8
2	09	3·2	10	1·1	11	1·0	02	5·3	07	1·1	03	0·6	12	1·0	12	2·8	11	1·9	11	2·2	10	2·5	09	4.2	08	2·4	09	3·0	09	3·9	2·0
3	11	2 0	10	1·9	11	1·3	01	3·1	07	0·7	03	0·9	12	1·3	11	2·2	11	1·4	11	1·4	10	2·2	10	4·0	10	3·0	09	3·3	09	3·1	1·9
4	11	1·9	12	0·8	11	1·4	01	0·7	07	1·1	03	0.7	10	1·8	10	2·4	11	1·6	07	2·3	11	3.0	10	2·9	10	3·5	09	1·9	09	2·7	1·8
5	10	2·7	07	1·1	11	1·2	01	1.0	07	0·7	03	0·6	11	1·4	10	3·0	11	1·4	06	1.1	09	3·7	10	3·7	12	2·3	09	1·8	09	2·6	1·9
6	10	3·5	09	1·2	08	1·8	01	1·2	07	0·6	03	0·6	11	1·6	10	3·3	11	1·8	10	1·1	10	3·8	10	3·8	07	3·3	09	2·0	09	2·9	2·0
7	10	3·4	09	1·4	06	1·0	07	0·7	07	0·6	03	0·6	11	2·0	10	3·8	11	1·6	10	1·8	10	3·0	11	3·6	08	3·3	09	2·1	09	3 6	2·3
8	10	4 4	09	1·6	06	1·9	11	2·0	02	0.8	32	1·5	09	2·2	08	4·1	10	3·2	10	2·7	08	3·6	09	4·4	09	5·0	08	3·4	09	4·8	3·2
9	11	3·5	10	2·7	05	4·0	r32	1·1	28	3·1	r22	0·6	09	2.4	08	4·5	11	3·2	08	3·2	06	4·3	09	4·6	09	6·4	08	4·3	09	5·2	3·5
10	11	2·8	06	2·5	03	3·7	30	1·6	27	3·6	27	1·4	08	3·3	08	4·3	08	4·0	08	3·9	09	4·4	09	5·3	08	5.4	08	4·6	07	5·3	3·7
11	11	2·6	07	3·0	04	3·5	01	2·6	29	3·5	27	3·6	08	2·4	07	4·7	11	3·4	08	4·4	09	4·4	11	5·7	07	5·6	07	4·4	06	4·6	3·8
Noon	09	2·9	07	1·4	04	3·6	02	1·4	27	3·9	31	1·4	08	2·2	08	4·2	12	3·8	06	4·2	09	4·0	08	4·8	07	5·6	06	4·4	05	4·8	3·7
13h	08	2·3	07	1·9	03	4·1	01	2·8	27	3·7	28	2·1	08	1·1	08	4·5	08	4·2	08	4·1	09	3·8	08	5·7	07	5·2	07	5·0	06	5·3	3·8
14	08	2·7	05	1.9	04	4.4	32	3·3	24	3·9	d09	2·4	07	1·1	09	5·0	14	4·1	09	3·8	06	4·9	09	4.2	08	4·9	07	4·8	07	5·1	3·8
15	07	1·9	05	2·3	04	4·4	02	3·7	29	3·1	r01	1.0	10	1·5	11	5·5	10	3·9	06	4·0	06	4·9	05	4·0	07	5·1	07	4 5	08	4·8	3·5
16	07	2·7	05	1·9	03	5·4	r21	1·8	r21	3·2	05	1·0	11	2·3	09	5·9	09	3·9	05	3·8	12	4·6	07	3·6	09	4·8	09	4·7	06	4·7	3·4
17	12	2·9	06	1·8	04	4·1	28	1·8	28	2·0	32	2.2	11	2·7	10	5·5	10	4·1	07	3.3	12	4·1	06	4·0	08	4·3	08	4·5	08	4·5	3·4
18	12	2·0	06	1·8	04	3·3	03	0·9	27	0·6	30	1·8	10	3·5	10	4·5	09	3·7	11	3·8	11	4.1	09	4·1	10	4·1	08	4·8	08	4·1	3·1
19	12	1·6	07	1·4	05	3.1	03	0·7	27	0·6	d10	1·5	12	1·5	11	3·3	10	2·9	10	2·6	12	4·0	05	4·5	09	2·2	12	3·8	09	3·3	2·4
20	10	0·8	07	1·3	05	2·7	r18	3·4	03	1·2	11	1·1	11	3·0	11	3·0	11	1·9	11	1·8	11	3·6	09	4·7	09	2·2	09	3·9	09	2·1	2·2
21	10	0·8	08	2·1	05	2·8	d03	1·3	32	1·0	11	1·2	11	3·1	11	2·9	11	2·2	11	2·7	09	4·1	07	3·3	10	2·9	11	3·0	09	2·2	2·2
22	11	1.4	08	2·0	04	2·2	01	0·6	32	0·9	12	0·6	10	2 7	10	3·4	11	2·1	11	2·0	10	4·2	06	4·1	10	3·5	11	2·2	09	3·2	2·1
23	10	2·0	08	1·0	02	1·4	01	1·1	03	0·8	12	0·9	10	2·2	11	3.3	12	1·3	11	2·1	09	4·4	08	4·1	09	3·8	11	3 0	09	2·0	2·1

TABLE XIII,—WIND FREQUENCY (NUMBER OF OBSERVATIONS), DECEMBER 1936.

Force (0–12)				Direction																
Hour	8 or above	4 to 7	0 to 3	N.	N.N.E.	N.E.	E.N.E.	E.	E.S.E.	S.E.	S.S.E.	S.	S.S.W.	S.W	W.S.W.	W.	W.N.W.	N.W.	N.N.W
3	...	...	31	1	...	1	...	7	6	14	1	1	...	...	...	...	...	...	...
9	...	1	30	2	...	4	2	14	2	5	...	...	...	...	1	...	...	1	...
15	...	1	30	1	1	6	2	12	2	3	1	...	...	...	...	1	...	2	...
21	...	...	31	1	...	2	...	10	3	15	...	...	...	...	...	...	...	...	...
Totals	...			5	1	13	4	43	13	37	2	1	...	...	1	1	...	3	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for DECEMBER 1936.

Day / Hour.	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	31
	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	mm	mm
1h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	15·0	...	...	...	...	...	...	...	...	0·5	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·0	...	...	...	...	...	...	...	0·1	0·1	...	...
3	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	0·5	...	...	...	...	...	0·7	...	2·0	...	...	0·1
4	...	...	0·5	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	3·2	...	...	...	...	...	...	...	0·2	...	...	10·5	...	0·2
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	3·1	...	...	0·2	...	...
6	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	1·2	...	...	...	...	...	...	...	0·3	...	3·4	...	...
7	...	...	5·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	1·8	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·0	...	0·5	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·5	...	2.1	...	...	...	...	...	...	0·3	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	7·3	...	...	0·8	...	...	...	1·7	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	0.1	...	0·8	...	...	14·2	...	...	0·1	...	...	...	0·1	...	...	...	0·2
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	15.0	0·1	...	0·1	...	...	0·2	...	...	...	...	...	...	0·8	...	...	...	...
13h	...	...	0.2	...	...	...	...	...	...	...	...	...	...	23·0	0·2	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...
14	...	...	1·6	...	...	...	...	...	...	...	8·0	...	...	15·0	5·0	...	...	...	...	...	...	...	0.8	...	...	...	...	...	...	...	...
15	...	...	0·1	...	...	...	...	...	...	...	9·0	...	...	11·0	1·8	...	...	...	...	...	...	...	0·5	...	...	...	...	9·7	...	...	...
16	...	...	...	...	...	...	0·1	...	...	...	...	...	...	4·0	0·1	...	...	...	...	10.5	...	...	0·4	...	...	...	...	3·6	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	5·0	5·0	...	...	...	...	...	4·5	...	2·2	...	...	...	...	...	0·5	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	21·0	1·0	...	...	...	0·1	...	...	2·0	...	...	...	...	...	...	0·2	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	9·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...
20	...	0·6	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	...	...	...
21	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30·0	...	...	...	...	...	0·2	...	1·0	...	0·7	...
22	...	0·1	...	0·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·3	...	...	...	...	...	12·0	3·8	3·0	...	...	...
...	...	0.5	...	1·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	...	...	...	...	...	...	...	0·5	2·0	...	...	...
24	...	5·5	...	2·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	...	...	...	...	...	...	...	0·1	1·0	...	0·6	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION VACOAS FOR DECEMBER 1936.

Day / Hour.	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
	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	mm	mm
1h	...	...	3·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·7	0·5	...	...	...	...	...	...	...	...	...	...
2	...	...	1·8	...	...	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	2·1	0·2	1·1	...	0·2	...	0·8	...	...	...	...	...
3	...	...	0·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14·6	...	...	...	...	...	...	...	...	...	...	0·1
4	...	...	1·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	0·3	...	...	...	...	...	...	...	...	0·8	...	...
5	...	...	1·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...
6	...	...	1·9	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...
7	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...	...	...	0·1	2·5	...	...	...
8	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	4·2	10·5	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·8	0·1	0·5	...	...	...	...	1·1	0·3	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	3·1	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·2	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	4·2	...	...	...	0·1	...	...	...	...	0·5	...	...	...	0.4	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	0·5	...	0·9	10·8	...	...	...	0·3	...	...	...	...	24·8	...	...	...	0·9	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	8·2	...	2·3	10·4	3·3	9.0	...	0·6	...	...	...	1·0	0·8	...	...	...	4·6	6.7	...	...	...
15	...	...	...	...	...	...	...	...	...	...	2·2	0·7	...	...	6·9	6·9	...	2·5	...	0·1	...	...	...	...	...	...	1·2	0·1	...	...	...
16	...	...	...	...	...	...	...	...	...	...	0·3	0·2	...	1·7	0·5	...	...	1·3	...	9·2	...	...	...	...	...	...	4·4	0·3	...	...	...
17	...	...	...	...	...	...	0·1	...	...	...	...	...	...	4·8	...	...	...	...	0·3	8·8	...	...	3·1	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	6·2	2.7	4·8	...	...	...	...	0·9	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	2·0	...	...	0·6	...	...	...	0·6	...	...	...	...	...	...	...	0·8	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27·3	...	0·3	...	...	...	...	...	0·8	...	...	...
21	...	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	0·4	1·3	...	...	...
22	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	...	...	0·7	...	...	...	...	...	...	0·9	0·3	...	...	0·9	...
23	...	0·7	...	2·3	...	...	...	0·6	...	...	...	...	...	...	...	...	...	...	2·0	...	...	...	...	...	...	...	...	...	...	...	...
24	...	1·8	...	...	...	...		...	...	...	...	...	...	...	...	1·6	...	...	5·5	...	...	...	...	...	...	...	3·6	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS IN MAURITIUS according to the RIVER SYSTEMS indicated on the CHART, for DECEMBER, 1936

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	9.39	238.5	3.90	13
	St. Antoine	50	8.16	207.3	3.69	12
	Bel Mont	50	9.21	133.9	4·39	14
	Poudre d'Or	20	11.72	297.7	4.08	16
	Mon Loisir (S.E.) ...	300	12.31	312.7	5.22	14
	Forbach	300	10.56	268.2	3.60	14
	Couroupa	...	9.26	235.2	5.98	15
	* Labourdonnais	290	9.06	230·0	5.04	13
	Mapou Water Office ...	...	9.73	247.1	...	13
	Beau Séjour	300	10.17	258 3	5.46	16
	Mont Piton	650	11.89	302.0	6.42	17
	Mon Choix	700	9.84	249.9	5.93	18
	Antoinette	640	12.13	308.1	6.17	18
	Mon Songe	620	13.05	331.5	6.49	17
	Botanical Gardens ...	325	13.21	335.5	5.92	24
	* The Observatory ...	179	13.84	351.5	4.68	21
	Solitude	175	15.78	400·8	3.70	14
	St. André (Cour) ...	90	10.45	265.4	4.08	14
	La Nicolière	...	16.70	424.2	6.21	20
	California	...	17.12	434.8	6.81	16
	Australia	...	16.62	422.1	...	18
2 & 3	Union Régnard (Flacq S.E.) ...	600	13.48	342·4	6.91	21
	Constance d'Arifat (L.S.) ...	100	14.27	362.5	6.99	21
	Rich Fund	600	12.98	329.7	6.87	19
	La Joffrette	...	12.43	315.7	...	17
	Belle Vue (Allendy) ...	...	14.96	380.0	8.56	20
4	Sans Souci	900	24.26	616.2	10.74	22
	Beau Champ (G.R.S.E.) ...	20	17.82	452.6	6.24	20
	Olivia	400	20.31	515.9	8.92	23
	Trois Ilots	...	20.13	511.3	..	23
	Belle Rive	400	24.33	618.0	10.45	26
	Sébastopol	700	17.52	445.2	...	17
	Bonne Veine	400	25.08	637.0	14.06	24
5	Rose Bolle	850	38.01	965.5	11.11	22
	New Grove	650	31.01	787.7	...	20
	Mon Trésor	...	23.30	591.8	...	21
	Mon Désert (Carié) ...	75	19.74	501.4	5.87	21
	Ferney	20	21.50	546.1	8.55	18
	Sauve Terre	...	21.84	554.7	...	22
6	Tivoli	1,300	32.32	820.9	10.59	24
	La Flora	1,050	33.84	859 5	9.76	23
	Riche Bois (Brit.) ...	650	17.13	435.1	10.01	21
	Britannia (Estate) ...	700	22.38	568.5	9.05	21
6	Savannah (Mill) ...	200	14.47	367.5	6.49	16
	St. Aubin	300	13.44	341·4	7.53	20
	St. Avold	900	28.45	722.6	9.70	22
	Colmar	400	23.29	591.6	8.47	21
	Union (S.E.)	...	16.29	413.8	6.34	19
	Fontenelle	320	19.66	499.4	4.13	18
	Choisy	200	13.64	346.5	6.71	11
	Beau Bois	...	22.50	571.5	8.51	20
	Bel Air	...	16.98	431.3	7.02	13
	St. Félix	...	20.85	529.6	...	14
7,8,9&10	Bel Ombre	40	14.35	364.5	5.40	15
	Beau Champ (S du Cap) ...	70	16.10	408.9	5.28	15
	Frédérica	70	20.83	529.1	6.09	16
	Pierre Fond	...	17.03	432.6	8.28	16
	St. Marie	...	18.76	476.5	...	15
	Hussonia	...	7.86	199.6	...	12
11	Curepipe Gardens ...	1,840	19.60	497.8	10.53	30
	Mare aux Vacoas (G.E.) ...	1,850	21.49	545.8	11.07	19
	Mare aux Vacoas (Arn) ...	1,830	19.92	506.0	11.43	19
	La Marie Filter Beds ...	1,700	19.22	488.2	9·00	21
	* Sophie	...	19.57	497.1	...	21
	Réunion	1,420	11.46	291.1	8·80	20
	* Aerological Station ...	1,393	11.31	287.2	9.10	25
	Phoenix	...	13.45	341.6	...	15
	Quatre Bornes ...	...	11.58	294.1	...	15
12	Quatre Bornes (Board) ...	1,090	14.45	367.0	...	13
	* Le Réduit (D of A) ...	1,000	11.16	283.5	6·60	30
	Alma	1,460	21.54	547.1	11·14	22
	Bagatelle	1,250	14.69	373.1	7·05	17
	Highlands	1,300	11.03	280.2	8·59	16
	Trianon	950	11.46	291.1	6·88	17
	Val Ory	1,100	10.46	265.7	7·15	17
	Bassin	.	15.26	387.6	9·80	16
	Hermitage	1,450	17.40	442.0	12·90	15
	Ebène	...	13.69	347.7	...	22
	Béga	...	12.01	305.1	...	20
	Mon Rêve	...	11.42	290.1	...	20
	Mon Pevril	...	11.41	289.8	...	20
	Minissy	1,150	11.82	300.2	9·25	20
	Plaisance	...	23.57	601.2	...	17
	La Ferme	350	9.09	230.9	5·55	21

TABLE XV B.—*Further Rainfall Returns for 1936*

River System	STATION	Approximate altitude in feet	Total fall in Inches	Total fall in mms	Normal in inches	Number of days
1	Antoinette (May) ...	640	4.72	119·9	6·13	19
	" (July) ...	640	1.94	49·3	3·96	12
	" (August) ...	640	0.56	14·2	3·59	6
	Solitude (April)	175	1.25	31·8	4·11	4
	St. André (cour) (August) ...	90	0.43	10·9	1·97	2
	Sébastopol (January) ...	700	12.17	309·1	...	...
	" (February) ...	700	4.82	122·4	...	...
	Sébastopol (October) ...	700	7.79	197·9	...	9
	" (November) ...	700	6.61	167·9	...	10
11	Sophie (February) ...	...	13.91	352·3	...	21
	Phoenix (May) ...	...	3.15	80·0	...	11
	Quatre Bornes (May) ...	...	2.07	52·6	...	14
12	" (Board) (February)	1,090	9.80	284·9	...	12

TABLE XVc—TOTAL ANNUAL RAINFALL AT VARIOUS STATIONS IN MAURITIUS GROUPED ACCORDING TO THE RIVER SYSTEM INDICATED ON THE CHART FOR THE YEAR 1936.

River System	STATION	Approximate Altitude in feet	Total fall in inches	Total fall in mms.	Normal in inches	River System	STATION	Approximate Altitude in feet	Total fall in inches	Total fall in mms.	Normal in inches
1	Mare Sèche	20	33·01	838·5	47·43	6	Britannia (Estate) ...	700	96·75	2457·4	108·47
	St. Antoine	50	34·41	874·1	45·94		Savannah (Mill)	200	53·80	1366·4	77·13
	Belmont...	50	35·64	905·3	50·12		St. Aubin	300	65·18	1655·6	77·01
	Poudre d'Or	20	52·21	1326·2	47·85		St. Avold	900	123·69	3141·8	117·68
	Mon Loisir S. E.	300	47·85	1215·4	58·47		Colmar	400	96.18	2442·9	92·91
	Forbach	300	39·67	1007·7	47·76		Union S. E.	...	79·21	2011·8	67·56
	Couroupa...	...	43·04	1093·2	59·55		Fontenelle	320	94·27	2394.4	77·34
	Labourdonnais	290	41·16	1045·5	57·60		Choisy	200	64·28	1632·6	63·40
	Mapou (Water Office) ...	...	36·98	939·2	...		Beau Bois	...	98·97	2513·8	99·03
	Beau Séjour	300	51·48	1307·5	68.27		Bel Air..	...	69·49	1765·1	69·77
	Mont Piton	650	45·51	1156·0	70·46		St. Félix	...	86·91	2207·5	...
	Mon Choix	700	40·45	1027·5	65·07	7,8,9&10	Bel Ombre	40	61·78	1569·1	62·04
	Antoinette	640	54·60	1386·8	69·98		Beau Champ (B. du Cap) ...	70	69·15	1756·3	63·01
	Mon Songe	620	55·09	1399·3	73·92		Frédérica	...	87·01	2210·2	...
	Botanical Gardens	325	57·17	1452·1	60·13		Pierre Fond	...	55·39	1406·9	56·32
	The Observatory	179	48·73	1237·8	49·75		Ste. Marie	...	81·81	2078·1	...
	Solitude	175	59·38	1508·3	38·27		Hussonia Limited	..	29·64	752·8	...
	St. André (Cour)	90	39·81	1011·2	45·20	11	Curepipe Gardens	1,840	128·28	3258·3	123·24
	La Nicolière	...	70·10	1780·4	94·39		Mare aux Vacoas (G.E.) ...	1,850	126·07	3202·2	145·95
	California	...	64·54	1639·3	74·09		Mare aux Vacoas (Arn.) .	1,830	139·99	3555·8	148·62
	Australia	...	61·60	1564·5	...		La Marie Filter Bed ...	1,700	97·65	2480·3	105·22
2 & 3	Union Régnard S.E.(Flacq) ...	600	63·73	1618·7	76·76		Sophie	...	129·71	3294·5	...
	Constance d'Arifat L.G. ...	100	55·54	1410·8	67·09		Réunion	1,420	76·11	1933·2	88·35
	Rich Fund	600	59·37	1508·1	83·19		Aerological Station ...	1,393	73·48	1866·4	90·47
	La Joffrette	...	49·75	1517·7	...		Phœnix...	...	61·08	1551·5	77·05
	Belle Vue (Allendy) ...	...	55·70	1414·8	78·08		Quatre Bornes	...	51·13	1298 4	...
4	Sans Souci	900	143·48	3644·3	138·35	12	Quatre Bornes (Board) ...	1,090	57·18	1452·4	...
	Beau Champ (G.R.S.E.) ...	20	48·07	1221·0	61·75		Le Réduit (D. of A.) ...	1,000	50·97	1294·6	57.90
	Olivia	400	77·77	1975·3	94·26		Alma	1,460	108·55	2757·1	126·60
	Trois Ilots	...	61·84	1570·7	...		Bagatelle	1,250	85·50	2171·6	79·35
	Belle Rive	400	99·83	2535·6	112·21		Highlands	1,300	73·60	1869·5	88·00
	Sébastopol	700	104·30	2649·1	...		Trianon	950	55·53	1410·6	63·17
	Bonne Veine	400	116·50	2959·1	130·07		Val Ory	1,100	50·58	1284·6	65·21
5	Rose Belle	850	139·77	3550·1	140·27		Bassin	...	48.64	1235·4	63·21
	New Grove	650	117·97	2996·5	...		Hermitage	1,450	127·16	3229 8	126·69
	Mon Trésor	...	81·21	2062·7	...		Ebene	...	61·31	1557·4	...
	Mon Désert (Carié)	75	46·95	1573·5	62·01		Bega...	...	49·29	1251·9	...
	Ferney	20	79·37	2015·9	91·50		Mon Rêve	...	55·79	1467·8	...
	Sauve Terre	...	67·14	1705·4	...		Mont Pevril	...	55·38	1457·5	...
	Trivoli	1,300	145·21	3688·4	138·28		Minissy	1,150	59·13	1501·9	65·95
	La Flora	1,050	132·79	3372·9	135·57		Plaisance	...	68·01	1727·4	...
	Riche Bois (Brit.)	650	80·52	2045·2	104·27		La Ferme	350	36·85	935·9	49·80

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·5 metres above SEA LEVEL during the month of DECEMBER 1936.

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c Dir.	Cumulus Cu. St. &c Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	...	...	...	...	...	...	..	...	...	...	...	...	...
2	9¼	...	...	...	...	...	..	330	...	...	..	285	4·1
3	...	..	..	...	...	...	...	...	...	..	...	...	...
4	9¾	90	6·3	60	11·4	270	...	...	...	...	...	...	...
5	...	..	..	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	..	...	...	...	...	...	...	...	...	...
8	...	...	..	...	...	.	.	...	...	...	...	...	...
9	...	...	...	..	...	...	...	...	...	...	...	...	...
10	11¾	120	...	90	4·5	...	...	...	...	...	...	...	...
11	9½	...	...	60	4·6	...	...	...	...	...	...	...	...
12	..	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	..	...	...	..	...	...	...	...	...
14	..	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	..	...	...	...
17	8½	...	...	300	...	...	...	...	...	...	..	...	...
18	...	...	...	..	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	..	...	...
20	...	...	...	...	...	..	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	11½	.	...	330	6·0	...	...	...	...	...	...	...	...
23	..	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	10hs.	...	...	90	13·9	..	...	...	...	...	...	210	...
26	11¾	75	14·2	90	7·3	...	...	...	...	..	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	..	...	...	...	...	...	...	...	...	...	...	...
29	9½	90	...	105	13·9	360	...	360	...	...	...	...	...
30	...	..	...	...	...	...	...	...	...	...	...	...	...
31	..	...	...	...	...	...	...	...	...	...	.	...	...

Day.	Time	Scud Dir.	Scud Vel./Height	Cumulus Cu. St. &c. Dir.	Cumulus Cu. St. &c. Vel./Height	Alto Cu. Alto St. Dir.	Alto Cu. Alto St. Vel./Height	Cirro Cumulus Dir.	Cirro Cumulus Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
		°		°		°		°		°		°	
1	14¼	...	..	...	...	275	2·6*	...	...	278	2·4*	270	3·2*
2	14¼	...	...	60	2·2*	315	0·5*	330	1·7*	...	...	...	...
3	14¼	90	14·3*	60	5·2*	...	...	...	...	...	...	...	...
4	14¼	...	...	60	5·6*	230	0·4*	240	0·9*	...	...	...	...
5	14¼	90	8·8*	75	10·3*	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	14¼	...	...	195	4·1*	...	...	...	...	...	...	...	...
8	..	..	...	.	...	...	...	...	...	...	...	...	...
9	14¼	90	8·7*	90	4·8*	...	...	..	..	...	...	...	...
10	14¼	120	0·9*	105	0·8*	...	...	..	...	...	...	...	...
11	...	...	...	...	...	..	...	...	...	...	...	...	...
12	14¼	..	...	260	2·1*	...	...	...	...	240	0·5*	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	..	...
15	...	...	..	...	...	...	...	...	...	...	...	...	...
16	.	...	...	.	...	...	...	...	...	...	...	...	...
17	14¼	...	...	90	6·0*	.	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	..	...	...
19	14¼	30	13·0*	30	9·4*	360	...	360	0·4*	...	...	360	..
20	...	...	...	...	...	...	...	...	...	...	...	...	...
21	14¼	300	17·3*	300	11·3*	285	6·6	...	...	...	..	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	.	...	...	...	...	...	...	...	...	...
24	14¼	120	13·0*	120	12·9*	..	...	...	...	...	...	...	...
25	14¼	90	5·3*	90	7·7*	...	...	...		...	..	...	...
26	14¼	89	5·9*	117	5·9	...	...	...	...	...	...	...	...
27	...	...	...	...	..	...	..	. .	...	...	...	..	...
28	14¼	...	...	90	5·6*	...	...	...	...	...	..	...	...
29	14¼	82	15·9*	75	13·0*	...	...	30	...	...	...	300	...
30	14¼	90	12·2*	82	10·0*	...	...	...	...	. .	...	...	...
31	14¼	83	11·3*	75	13·5*	150	...	...	...	...	...	...	...

The Direction is that from which the Cloud travels counting North (0°) East (90°) South (180°). The Velocity-Height Ratio is given in milliradians per sec.

* Observatory Pamplemousses.

TABLE XVII.—MONTHLY AND YEARLY MEANS AND EXTREMES OF THE METEOROLOGICAL ELEMENTS FOR THE YEAR 1936.

Month 1936	Atmospheric Pressure mbs.	Temperature of the Air: Absolute Maxima °c.	Absolute Minima °c.	Absolute Range °c.	Mean of the Daily Maxima °c.	Mean of the Daily Minima °c.	Mean of the Daily Ranges °c.	Mean °c.	Excess of Air Temperature over Evaporation Temperature °c.	Temperature of the Dew Point °c.	Relative Humidity %	Vapour Pressure mbs.	Rainfall: Amount recorded by the Beckley pluviograph mms.	Duration mins.	Mean Minimum on grass °c.
Jan.	1004·9	31·9	20·8	11·1	30·0	23·1	6·9	26·1	2·4	22·0	78·2	26·3	249·3	1102	21·2
Feb.	1004·8	31·2	21·2	10·0	29·9	23·0	6·9	26·2	2·5	21·9	77·3	26·1	175·8	853	21·0
Mar.	1005·3	30·8	18·9	11·9	29·3	23·1	6·2	25·8	2·2	22·1	80·2	26·4	131·6	904	21·2
April	1007·8	29·9	18·3	11·6	28·5	21·3	7·2	24·5	3·0	19·3	73·3	22·4	26·3	356	18·8
May	1009·7	28·8	15·0	13·8	26·4	18·7	7·7	22·2	2·7	17·4	74·6	19·8	53·3	890	16·3
June	1014·2	25·5	12·8	12·7	24·1	17·9	6·2	20·7	3·0	15·4	72·3	17·2	43·4	944	16·1
July	1015·3	25·0	12·7	12·3	23·5	17·0	6·5	19·8	2·8	14·7	72·5	16·7	32·9	864	14·8
Aug.	1013·8	25·9	11·1	14·8	24·3	14·7	9·6	19·3	3·2	13 5	69·3	15·4	14·2	288	11·7
Sept.	1013·1	28·0	13·1	14·9	25·2	17·2	8·0	20·6	3·3	14·8	69·2	16·7	27·6	808	15·0
Oct.	1011.2	28·8	16·9	11·9	27·1	19·1	8·0	22·6	2·9	17·4	73·1	19·8	85·0	1172	17·3
Nov.	1009·4	32·1	19·3	12·8	28·8	21·1	7.7	24·4	3·0	19·3	73·1	22·2	46·9	919	19·8
Dec.	1006·3	31·0	19·4	11·6	28·7	22·0	6·7	25·0	2·4	20·9	78·4	24·6	351·5	2288	20·4
Year	1009·6	29·1	16·6	12·5	27·1	19·8	7·3	23·1	2·8	18·2	74·3	21·1	Sum 1237.8	hrs. 189·8	17·8
Max.	1020·7 June 25th	32·1 Nov. 18th	...	14·9 Sept.	30·0 Jan.	...	9·6 Aug.	...	8·7 Sept. 11th	26·1 Feb. 21st	100% Dec. 20th	33·5 Feb. 21st	113·0 mms. ending 22h. on Dec. 20th		...
Min.	998·0 Feb. 25th	...	11·1 Aug. 10th	10·0 Feb.	...	14·7 Aug.	6·2 Mar. & June	...	0·0 Dec. 20th	8·8 Sept. 11th	38·1% Sept. 11th	11·2 Sept. 11th	...		7·2 Aug. 5th & 10th
Col.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Mont 1936	Mean Daily Amount of Evaporation mms.	Temperature of the Soil: Feet 10 °c.	Feet 5 °c.	Feet 2 °c.	ins. 12 °c.	Mean amount of Cloud	Daily Duration of Bright Sunshine hrs.	Percentage of Possible Sunshine %	Observed Wind Velocity m.p.s.	Number of Days of: Rain	Lightinng	Thunderstorms
Jan.	6·0	24·39	25·87	27·93	28·37	5·6	8·42	64.1	2·78	24	6	4
Feb.	5·9	24·69	26.53	28·36	28·82	5·3	8·97	70·8	2.69	20	1	4
Mar.	5·5	25·39	26·97	28·28	28·32	5·5	8·37	68·8	2·97	21	1	1
April	5·4	25·64	26·87	27·28	27·03	4·0	8·51	73·4	3·47	14	...	...
May	4·4	25·68	26·39	25·49	24·82	4·9	7·82	70.2	3·09	21	...	...
June	3·9	25·55	25·43	23·49	22·58	4·7	7.71	70·6	4·26	23	...	...
July	3·7	25·29	24·37	22·16	21·42	5·6	7·08	64·3	4·05	22	...	...
Aug.	4·4	24·85	23·68	21·95	21·48	4·8	7·18	63·0	3·01	12	...	...
Sept.	5·8	24·20	23·55	22·89	23·01	5·1	8·41	70·4	4·12	19	...	...
Oct.	6·5	24·06	23 89	24·60	25·26	5.3	8·37	66·9	3·10	18	...	...
Nov.	7·1	24·11	24·75	26·48	27·23	5·6	9·16	70·5	3·38	17	...	...
Dec.	6·3	24·17	25·66	27·39	27·83	6·4	7·40	55·6	2·74	21	2	1
Year	5·4	24·83	25·33	25·52	25·51	5·2	8·12	67·4	3·31	232	10	10
Max.	9·1 Nov. 12th	26·0 June	27.2 April	28·6 Feb. & March	29·5 Feb.	..	12·7 Dec. 8th	95 Dec. 8th	9·6 July 24th	24 Jan.	6 Jan.	4 Jan. & Feb.
Min.	1·7 July 8th	24·0 Oct. & Nov.	23.5 Aug. & Sept.	21 8 Aug.	20·8 Aug.	...	0.0 often	0 often	...	12 Aug.	...	...

Table XVIII.—Monthly and Yearly Values of the Magnetic Elements for 1936

Month.	Declination. (West)	Horizontal Force. (C.G.S. Unit.)	Vertical Force. (C.G.S. Unit.)	Total Force. (C.G.S. Unit.)	Dip. (South)	X	Y	Z	Mean of the Daily Ranges: Declination.	Horizontal Force (Unit 1γ)	Vertical Force (Unit 1γ)	HRH : 10000	ZRZ : 10000
January ...	13°06·06	·22518	·29710	·37277	52°50·42	·21932	—·05104	·29710	8·58′	36·7	21·1	82·6	62·7
February ...	13°07·09	·22512	·29714	·37279	52°51·13	·21924	—.05109	·29714	12·39	48·3	27·7	108·3	82·3
March ...	13°07·70	·22512	·29708	·37275	52°50·78	·21923	—·05113	·29708	8·80	44·4	21·4	99·9	63·5
April ...	13°08·88	·22497	·29699	·37258	52°51·04	·21907	—·05117	·29699	8·09	55·2	27·3	124·1	80·9
May ...	13°10·50	·22502	·29695	·37257	52°50·77	·21910	—·05129	·29695	5·99	44·3	24·0	99.7	71·3
June ...	13°11·00	·22490	·29690	·37246	52°51·40	21897	—·05129	·29690	4·91	42·9	20·4	96·5	60·5
July ...	13°11·49	·22486	·29689	·37244	52°51·62	·21892	—·05131	·29689	5·21	40·9	24·2	91.9	71·8
August ...	13°12·07	·22505	·29704	·37265	52°51·05	·21911	—·05139	·29704	6·21	49·8	25·1	112·1	74·5
September ...	13°13·31	·22496	·29705	·37261	52°51·77	·21900	—·05145	·29705	8·83	43·6	37·1	98·1	110.1
October ...	13°14·79	·22492	·29710	·37264	52°52·33	·21893	—·05154	·29710	10·26	52·0	33·5	116·9	99·6
November ...	13°15·96	·22491	·29716	·37267	52°52·77	·21899	—·05161	·29716	11·68	52·5	33·1	118·1	98·2
December ...	13°16·77	·22497	·29731	·37269	52°53·10	·21895	—·05167	.29731	10·94	41·8	28·7	94·1	85·3
For the year ...	13°11·30	·22500	·29706	·37264	52°51.52	·21906	—·05133	.29706	8·49	46·0	27·0	103·2	80·1

Table XIX.—Mean Monthly Values of Potential Gradient: Volts Per Metre, 1936.

Hour \ Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
0	73	71	67	72	74	85	105	89	79	116	98	...	83
1	68	91	74	71	81	92	115	105	79	131	119	...	93
2	125	108	105	88	106	115	148	142	111	200	223	...	134
3	266	193	200	132	160	164	204	199	160	287	244	...	201
4	107	204	283	141	180	189	225	262	151	112	71	...	175
5	43	102	144	54	7	35	104	101	53	31	68	...	67
6	43	73	37	— 16	— 57	5	78	58	76	65	74	...	40
7	52	77	45	18	— 9	34	83	86	91	71	72	...	56
8	63	87	63	60	44	60	95	94	86	68	74	...	72
9	72	92	69	73	61	80	99	94	82	66	77	...	79
10	77	105	75	88	71	90	109	89	81	70	78	...	85
11	86	106	73	82	67	89	104	88	82	73	81	...	85
12	86	109	86	85	72	93	103	89	86	76	83	...	88
13	108	122	108	107	101	116	124	104	102	89	101	...	107
14	106	129	121	134	116	142	154	114	129	113	118	...	125
15	112	136	160	126	135	129	155	141	138	141	127	...	136
16	126	154	152	118	121	99	112	145	122	155	128	...	130
17	102	138	120	102	113	88	98	134	110	143	111	...	114
18	78	119	107	97	102	91	101	118	109	137	127	...	108
19	84	102	98	90	78	96	92	94	104	126	121	...	99
20	90	85	91	83	69	101	86	93	103	123	109	...	94
21	63	81	82	84	68	101	84	93	106	111	94	...	88
22	64	86	76	82	74	101	87	92	91	123	122	...	91
23	75	81	71	78	71	93	110	91	78	110	117	...	89
No. of days	1	8	9	10	13	9	6	14	11	9	9	0	...
Non-cyclic change 24-0	—11	15	— 6	— 25	0	— 8	+ 5	— 24	— 7	+ 2	+ 14	...	...

The hours are in Greenwich Mean Time. The hourly means have been corrected for non-cyclic change.
The days are selected as indicated in the Annual Report for 1929.

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