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ROYAL ALFRED OBSERVATORY, MAURITIUS

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY, 1935

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:

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

(iv) In 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 0.1° 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.

(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."

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 7 to 18 and the "Night Temperatures" to the hours 19 to 6.

(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 this table, given in points of the compass and in Table VI, column 7, in degrees 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 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 meaured. The records are printed as received and the Observatory takes no responsibility 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.

(x) Accounts of the tropical cyclones which occur in the Southern Indian Ocean are published every year, and observation 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, 1935.

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1935

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF JANUARY 1935.

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)
JAN.	° ′			′		
1	12°54·3	·22540	·29701	5·0	36	12
2	54·0	543	701	5·2	50	13
3	54·2	548	703	3·0	42	5
4	53·5	541	705	6·8	37	10
5	53·9	544	699	7·8	34	28
6	54·4	542	700	5·0	13	16
7	54·1	558	698	9·8	29	22
8	54·1	572	697	11·5	34	27
9	53·5	566	699	10·0	21	22
10	54·1	559	700	9·0	22	13
11	54·1	555	699	7·5	44	22
12	54·7	552	698	6·5	61	20
13	54·6	553	702	3·5	23	7
14	54·5	554	700	3·2	21	11
15	54·9	555	701	5·5	40	8
16	54·8	548	709	7·5	25	17
17	54·9	544	701	7·0	65	19
18	54·3	545	702	5·5	25	19
19	55·1	544	701	7·7	33	23
20	54·0	549	699	4·5	16	17
21	54·6	551	700	8·5	35	16
22	55·1	532	702	3·4	41	8
23	54·6	547	699	5·0	49	14
24	55·3	549	699	5·0	50	15
25	55·4	543	702	4·3	30	14
26	...	...	702	...	...	9
27	...	...	695	...	...	23
28	...	...	704	...	...	10
29	54·4	550	700	3·5	35	6
30	54·8	547	696	5·0	55	18
31	54·6	549	697	6·0	54	10
Mean	12°54·44	·22549	·29700	6·15	36·4	15·3

Description of the Principal Magnetic Disturbances.

The month was on the whole fairly quiet.

Declination.—17d. and 18d. Slightly disturbed ; small frequent irregular oscillations. 23d. Irregular oscillations of amplitude not greater than $2^{\prime}$.

Horizontal Force.—1d. and 2d. Slightly disturbed ; minor pulsations throughout. 4d. Slightly disturbed at beginning. 8d. Minor pulsations at times. 11d. Slightly disturbed ; small rapid oscillations between 0^h. and 4^h. 13d at 3^h. +ve wave of 20γ. 15d. Frequent minor pulsations. 17d. Sudden commencement at 2^h. of a disturbed period ending early on 19d. At 17d. 4^h sharp +ve wave (25γ) followed by a second one at 5^h. (20γ); small irregular pulsations superposed on the disturbed trace throughout 17d. and 18d. 23d. and first part of 24d. slightly disturbed ; small irregular oscillations at times. 24d. at 1^h. sharp +ve wave of 25γ. Slightly disturbed at end. 28d., 29d., 30d. and 31d. Slightly disturbed.

Vertical Force.—Minor frequent pulsations on 1d., 2d., 3d. and 4d. 8d. Minor pulsations at times 11d. Small oscillations from 0^h. to 7^h. 15d. Minor pulsations at times. 17d. Slightly disturbed ; small irregular oscillations throughout. 18d Minor frequent pulsations. 23d. Small oscillations between 4^h. and 10^h. 24d at 1^h. small +ve wave (5γ). 27d. at $18^h.45^m$. Sudden commencement of a disturbed period ending sharply at 5^h. on 28d. Frequent violent oscillations, not exceeding 9γ in amplitude during this period. 31d. Minor pulsations at times.

T=·37291 : Mean Dip=52° 47′·63 : (X=·21979 : Y=−·05043 : Z=·29700).
† 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 1935.

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	° ′	
JAN. 4·14·37	12 51·09	JAN. 7· 9·45	·22558	JAN. 4·14·23	52 46·92	·29721
11·12·02	12 55·89	7·12·30	·22571	18·12·42	52 46·38	·29687
18·11·40	12 51·30	11· 9·47	·22569	25·12·04	52 49·25	·29709
25·12·22	12 56·23	19· 9·41	·22541	29·15·03	52 47·94	·29700
29·15·17	12 53·94	23· 9·40	·22574			
		26·11·35	·22554			
		31· 9·34	·22567			
		31·13·04	·22520			

NOTE.—From January 5th to January 18th, the magnetic pavilion was under repairs, Some of the instruments were dismounted.

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

JANUARY 1935.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	54·5	54·5	54·0	54·3	54·5	54·3	54·0	54·0	53·5	54·0	53·5	54·5	54·7	54·5	54·5	54·7	Midnight
1h	54·3	55·0	54·7	54·5	54·5	54·5	54·3	54·3	54·0	54·0	53·7	54·7	54·7	54·5	54·7	54·5	1h
2	54·5	55·0	55·0	54·7	55·0	54·5	54·5	54·5	54·0	54·5	54·0	54·7	54·5	54·5	55·0	55·0	2
3	55·0	55·5	55·3	55·0	55·0	55·0	54·7	55·0	55·0	54·7	54·5	54·3	54·0	54·5	54·5	55·3	3
4	55·5	56·0	55·5	54·0	55·5	55·0	55·0	55·5	54·5	55·0	55·0	54·5	55·0	54·5	55·0	55·5	4
5	55·7	56·5	55·5	55·0	56·0	55·5	55·5	56·0	55·0	55·5	53·5	54·5	55·3	55·0	56·5	56·0	5
6	56·0	56·7	55·3	56·0	56·5	56·0	56·0	56·5	55·0	55·5	54·0	55·5	55·5	55·0	57·0	57·0	6
7	57·0	55·0	55·0	56·3	57·3	57·0	57·5	58·5	56·5	53·0	55·5	57·0	55·7	56·0	57·5	59·5	7
8	56·5	54·3	55·0	55·0	57·0	57·5	58·5	59·0	58·0	58·0	56·5	58·0	55·5	55·5	57·0	60·0	8
9	56·0	53·5	53·5	53·5	55·5	56·5	57·0	57·0	57·5	59·0	57·3	58·0	54·7	54·5	55·5	58·0	9
10	56·0	53·5	53·0	53·0	54·0	55·5	57·0	55·0	56·5	59·0	57·5	57·3	56·0	54·0	55·0	55·5	10
11	56·0	54·5	52·5	51·0	52·0	54·0	55·0	53·0	54·0	57·0	56·0	56·5	55·0	54·0	52·5	53·5	11
Noon	54·0	54·0	52·5	49·5	49·5	53·0	52·5	50·0	51·5	53·0	55·5	55·5	55·0	55·0	52·0	52·5	Noon
13h	52·0	53·0	53·0	49·5	50·5	53·0	49·5	48·5	49·0	51·5	53·0	53·5	54·5	56·5	52·5	53·0	13h
14	53·0	51·5	54·0	51·0	51·0	52·5	48·7	47·5	48·0	50·0	51·0	52·7	54·0	55·5	53·5	53·0	14
15	53·0	51·5	54·0	52·0	52·0	52·5	49·5	48·0	48·5	50·0	50·0	52·0	53·5	54·5	55·0	52·7	15
16	52·0	52·0	54·0	53·0	53·0	52·5	51·0	50·0	49·5	50·5	50·0	51·5	52·5	53·5	55·3	52·5	16
17	52·0	52·0	54·5	53·0	53·3	53·3	53·5	52·0	52·0	52·0	52·5	52·0	53·0	53·3	55·5	53·3	17
18	52·5	52·5	54·0	53·5	53·5	54·0	54·0	53·0	53·0	53·0	54·0	53·0	53·5	53·5	55·0	53·5	18
19	53·0	54·0	53·5	54·0	53·5	54·0	54·0	53·5	53·7	53·5	54·5	53·5	54·5	53·5	54·5	54·0	19
20	53·5	54·0	53·5	54·0	53·5	54·0	53·7	53·5	53·9	53·5	54·3	54·0	54·5	53·5	55·0	54·0	20
21	53·7	54·0	53·7	54·0	53·5	54·0	54·0	53·5	54·0	54·0	54·0	54·3	54·5	54·0	55·0	54·0	21
22	53·7	54·0	54·0	54·0	54·0	54·0	54·0	53·5	54·0	54·0	54·5	55·0	54·5	54·0	55·0	54·3	22
23	54·3	54·3	54·5	54·5	54·0	54·0	54·0	53·8	54·0	54·0	54·3	55·0	55·0	54·3	54·7	54·5	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	54·5	54·5	55·0	54·5	55·0	56·5	55·5	56·0	55·5	55·0	...	...	55·5	55·5	55·5	54·7	Midnight
1h	54·7	55·0	55·0	54·5	55·3	56·0	55·3	54·7	55·5	55·3	...	...	55·3	55·5	55·7	54·8	1h
2	55·0	55·0	55·5	54·5	55·0	56·0	55·3	55·0	54·0	55·0	...	...	55·0	55·5	56·0	54·8	2
3	55·3	55·0	55·5	54·7	55·5	56·7	56·5	55·5	55·0	55·5	...	...	55·0	56·0	56·0	55·1	3
4	57·0	55·5	55·3	55·0	55·5	56·5	56·5	56·0	56·0	54·7	...	...	55·0	56·0	56·5	55·4	4
5	56·0	56·5	55·7	55·5	56·0	56·0	56·5	56·7	56·0	55·3	...	...	55·3	56·5	56·7	55·7	5
6	55·5	56·0	57·0	55·5	56·5	55·5	57·0	57·3	56·0	55·5	...	...	55·0	57·0	57·0	56·0	6
7	57·0	56·0	58·0	55·5	58·0	55·5	57·0	57·5	56·3	56·5	...	...	55·3	57·3	56·7	56·6	7
8	58·0	56·0	58·7	55·5	58·0	55·5	55·5	57·0	56·5	56·5	...	...	55·3	57·0	55·0	56·8	8
9	57·0	55·0	58·0	54·7	57·0	55·7	54·0	57·0	56·5	56·3	...	...	55·0	56·5	54·5	56·0	9
10	56·5	54·0	57·0	53·0	55·0	55·5	53·5	56·5	57·0	56·0	...	...	53·0	56·0	55·0	55·3	10
11	55·0	52·5	56·5	50·5	52·0	55·5	53·5	55·0	57·3	55·0	...	...	52·0	54·5	55·0	54·1	11
Noon	52·5	51·5	54·5	52·0	50·0	55·0	53·0	53·5	57·0	54·5	...	...	52·0	53·0	53·0	52·9	Noon
13h	51·0	51·0	52·5	51·5	49·5	53·5	52·0	53·0	55·5	53·5	...	...	52·5	52·5	51·0	52·1	13h
14	51·0	51·0	51·0	51·0	51·0	53·3	52·0	52·5	54·0	53·0	...	...	53·0	52·5	52·0	51·8	14
15	53·0	52·0	52·0	52·5	52·0	53·5	52·5	53·0	53·0	53·0	...	...	53·5	52·0	51·5	52·1	15
16	53·5	53·0	53·0	53·0	54·0	53·5	53·0	53·5	53·3	...	...	53·5	54·0	52·0	52·0	52·5	16
17	55·0	54·5	54·3	54·5	55·0	54·0	53·5	54·0	54·0	...	...	54·0	54·7	52·7	53·0	53·4	17
18	56·0	55·0	54·5	54·7	55·0	54·7	53·5	54·0	54·5	...	...	55·0	54·5	53·0	54·0	53·9	18
19	55·0	54·7	55·0	54·7	54·7	55·0	54·5	55·5	55·5	...	...	54·5	54·7	54·0	54·5	54·3	19
20	55·0	54·3	54·5	54·5	54·5	55·5	54·3	56·5	55·3	...	...	54·5	55·0	54·7	55·0	54·3	20
21	54·5	55·0	54·3	54·5	54·5	55·0	54·7	56·5	55·5	...	...	54·5	55·0	55·0	55·0	54·4	21
22	54·3	54·5	54·5	54·5	55·0	54·7	54·7	56·5	55·7	...	...	55·0	55·3	55·0	55·3	54·5	22
23	54·3	55·0	54·7	54·7	56·0	54·7	55·5	54·7	55·5	...	...	55·0	55·5	55·3	55·5	54·7	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)

JANUARY 1935.

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	540	540	547	549	535	541	543	565	559	559	560	548	551	545	560	541	Midnight
1h	547	540	544	550	543	550	545	563	558	558	563	549	550	545	560	542	1h
2	540	545	542	550	545	546	547	565	560	558	565	550	545	550	561	540	2
3	542	540	543	548	541	545	547	566	565	560	563	550	565	549	562	541	3
4	543	540	542	559	540	545	550	565	570	563	560	555	555	549	561	545	4
5	545	543	545	555	540	543	551	569	566	567	561	553	549	548	557	546	5
6	551	545	550	550	540	543	549	570	565	570	565	555	545	550	561	550	6
7	550	543	551	551	550	542	555	570	567	572	570	561	563	551	565	552	7
8	553	558	557	553	552	537	565	571	563	568	577	561	562	551	575	550	8
9	552	560	564	554	559	539	568	579	567	567	575	560	561	560	578	550	9
10	552	575	573	550	561	543	571	590	577	562	570	559	566	567	577	552	10
11	547	577	572	555	560	550	569	592	579	560	545	545	563	567	570	549	11
Noon	535	558	560	550	551	545	565	593	578	553	535	538	558	560	562	549	Noon
13h	517	540	550	538	553	540	570	590	575	552	550	545	559	559	562	535	13h
14	530	527	555	535	557	541	572	590	575	559	562	553	557	562	553	535	14
15	530	531	550	532	550	540	570	583	570	560	560	550	555	559	542	543	15
16	533	535	531	527	532	537	561	575	561	558	547	545	552	555	538	551	16
17	535	532	540	522	530	538	555	565	560	556	533	547	547	554	540	550	17
18	540	531	541	527	532	541	555	560	561	551	535	547	545	553	545	550	18
19	537	527	538	525	535	540	557	565	560	550	546	545	543	552	545	550	19
20	535	531	539	523	536	540	553	562	559	553	545	544	546	552	538	551	20
21	536	535	537	533	527	540	553	561	559	555	548	546	545	553	545	558	21
22	537	535	538	530	539	540	557	561	560	550	549	550	547	554	539	560	22
23	540	543	537	532	542	541	559	559	559	554	548	550	553	555	540	558	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	561	540	545	543	548	523	542	531	538	550	...	...	538	549	542	545·8	Midnight
1h	562	541	548	547	545	530	541	545	537	545	...	...	535	548	549	547·7	1h
2	560	545	546	545	547	530	546	557	549	548	...	...	547	548	550	549·3	2
3	555	557	546	545	549	525	543	549	546	548	...	...	543	549	551	549·5	3
4	573	550	560	545	550	530	550	550	541	555	...	...	540	550	549	551·1	4
5	555	545	553	545	550	535	550	551	542	549	...	...	545	553	549	550·4	5
6	572	549	552	549	551	547	555	555	548	556	...	...	548	553	550	553·1	6
7	560	550	559	554	559	553	565	562	555	567	...	...	553	557	562	557·2	7
8	567	536	555	551	565	550	571	571	559	570	...	...	561	560	570	559·6	8
9	572	540	550	553	562	543	571	573	560	573	...	...	560	565	573	561·2	9
10	570	555	548	551	561	530	565	573	560	570	...	...	561	575	575	564·6	10
11	545	552	537	557	557	519	564	563	550	565	...	...	570	572	573	559·3	11
Noon	530	555	540	555	556	512	553	555	533	560	...	...	565	558	560	551·9	Noon
13h	532	551	545	559	559	518	558	553	530	555	...	...	555	549	523	548·8	13h
14	540	550	541	557	557	522	556	551	531	550	...	...	550	536	521	549·1	14
15	525	540	535	551	553	520	550	538	535	545	...	517	549	535	541	546·3	15
16	517	536	539	549	550	525	531	541	540	...	...	520	547	531	540	542·3	16
17	508	532	541	549	551	533	522	543	545	...	...	522	543	520	540	540·4	17
18	520	540	540	548	550	535	525	545	545	...	...	528	542	530	541	542·0	18
19	517	538	527	548	550	532	533	537	538	...	...	530	543	534	542	541·2	19
20	525	543	540	547	549	531	540	524	538	...	...	531	545	539	542	541·8	20
21	527	540	538	545	547	533	535	523	537	...	...	535	547	539	540	542·2	21
22	530	545	541	545	542	538	540	530	535	...	...	533	547	541	540	543·6	22
23	538	540	535	543	530	538	531	552	545	...	...	536	551	541	541	544·8	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)

JANUARY, 1935

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	705	704	703	704	707	703	703	702	703	703	703	703	702	703	701	703	Midnight
1h	703	704	703	703	706	703	703	702	703	703	703	704	703	703	702	703	1h
2	705	704	704	703	706	702	703	702	703	704	703	703	703	703	702	704	2
3	706	705	704	705	707	702	703	702	702	703	704	702	701	703	703	704	3
4	706	706	705	704	707	703	703	702	701	702	702	702	703	703	702	704	4
5	706	705	705	703	708	704	703	702	701	701	702	702	703	704	704	705	5
6	705	705	705	708	709	705	704	703	700	701	703	703	702	704	704	707	6
7	703	703	705	707	708	708	706	705	703	703	706	706	699	705	704	711	7
8	699	700	704	703	703	708	705	704	707	707	706	707	697	703	700	708	8
9	697	700	702	700	695	705	701	697	706	707	704	705	698	702	697	703	9
10	700	702	703	701	690	703	702	692	700	700	703	697	700	697	698	715	10
11	697	699	704	700	685	698	697	684	690	694	696	695	700	696	698	711	11
Noon	696	693	700	698	681	693	684	678	685	695	690	691	703	700	700	712	Noon
13h	695	693	702	700	684	692	684	683	686	695	687	689	703	702	701	714	13h
14	694	696	702	705	690	693	685	687	687	694	684	687	703	698	702	714	14
15	694	695	702	708	694	693	688	693	693	694	685	688	702	696	700	713	15
16	696	695	703	707	697	692	694	695	694	696	691	690	701	695	699	711	16
17	700	695	704	708	700	693	697	698	698	699	697	692	701	694	697	713	17
18	701	700	703	708	699	697	697	701	700	701	701	694	700	695	696	716	18
19	703	704	703	708	699	698	697	700	700	701	701	695	703	696	697	717	19
20	703	703	703	707	701	700	698	699	700	701	701	697	703	697	701	718	20
21	702	703	704	707	702	702	700	700	700	701	702	698	703	698	702	718	21
22	703	703	704	706	703	703	701	700	701	702	703	700	704	699	703	701	22
23	703	703	704	707	703	704	702	702	702	703	704	701	704	700	703	701	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	702	703	700	702	699	704	704	705	703	702	701	701	701	700	699	702·7	Midnight
1h	701	704	703	700	699	703	703	704	703	702	701	703	699	700	698	702·4	1h
2	701	705	704	700	700	702	702	701	700	701	699	706	699	700	698	702·3	2
3	703	703	704	701	703	702	702	701	701	701	699	702	700	700	698	702·4	3
4	704	706	703	702	706	702	702	702	701	699	699	703	700	701	700	702·7	4
5	704	707	704	703	707	703	701	702	701	699	700	704	700	701	700	703·0	5
6	703	708	707	704	704	702	701	703	700	700	700	702	699	701	701	703·3	6
7	703	709	710	703	700	701	701	701	700	698	701	701	700	700	698	703·5	7
8	704	708	710	703	700	701	698	699	701	699	701	703	700	697	695	702·6	8
9	702	703	708	701	698	704	698	699	705	701	698	709	699	695	695	701·1	9
10	698	699	704	690	700	705	698	700	707	705	697	711	699	692	700	700·2	10
11	693	697	699	687	693	705	698	697	709	705	690	709	698	688	695	697·0	11
Noon	689	693	697	690	691	702	697	694	707	699	687	704	698	686	691	694·1	Noon
13h	687	690	694	696	692	697	694	691	701	698	678	704	698	683	696	693·9	13h
14	692	691	687	698	697	698	691	690	697	704	684	708	703	684	691	694·7	14
15	696	694	688	700	698	698	693	694	695	707	689	707	704	688	691	696·1	15
16	702	698	693	700	701	698	695	695	696	707	691	706	703	692	693	697·6	16
17	706	700	697	700	703	699	697	695	698	704	693	707	703	696	696	699·3	17
18	705	702	698	700	703	698	699	697	699	702	696	706	700	697	699	700·3	18
19	704	703	702	700	701	700	700	700	702	702	695	702	700	699	699	701·0	19
20	706	704	701	700	701	702	702	703	702	701	694	701	700	699	700	701·5	20
21	704	705	703	702	701	703	703	704	703	701	695	701	699	699	699	702·1	21
22	704	703	703	700	703	703	704	705	704	702	698	701	699	700	700	702·1	22
23	704	704	703	700	704	704	705	702	704	702	702	703	699	701	701	702·7	23

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JANUARY 1935.

Month and day 1935.	Observations at 10 a.m.									Temperature of the Air.									
	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 of Rain measured at 10 a.m.	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.	hrs.	%
1	959·1	25·7	4·2	18·5	64	21·1	235	1·8	3	...	...	...	...	30·5	20·9	9·6	0·0	11·3	85
2	962·4	27·5	6·1	17·3	54	19·6	Calm		0	...	28·0	26·4	21·9	30·0	20·0	10·0	0·0	7·8	59
3	965·1	27·7	4·8	19·6	61	22·6	65	3·6	5	20·0	25·6	25·9	22·6	29·3	19·6	9·7	0·0	7·7	58
4	965·9	26·3	2·8	21·6	75	25·5	70	5·4	7	22·1	24·5	26·9	22·0	28·0	20·8	7·2	1·7	8·9	67
5	965·7	24·2	0·9	22·7	91	27·3	85	4·5	10	21·4	24·1	24·1	22·0	25·4	20·4	5·0	1·3	4·2	32
6	966·0	27·5	3·6	21·5	70	25·4	30	0·5	8	21·6	24·0	25·1	22·1	28·8	20·8	8·0	1·9	5·6	42
7	966·4	26·2	3·7	20·0	69	23·2	30	1·3	8	21·5	25·4	22·4	21·0	28·4	20·8	7·6	30·6	6·0	45
8	966·0	26·4	4·1	19·5	66	22·4	45	0·5	6	20·7	25·7	23·7	21·5	28·8	20·7	8·1	20·3	6·1	46
9	965·7	26·1	4·1	19·2	66	22·0	80	1·3	7	18·6	24·8	25·3	22·2	28·0	17·9	10·1	9·3	8·3	63
10	967·6	26·4	3·5	20·5	70	23·9	70	4·9	2	21·3	24·9	26·4	23·2	28·4	20·3	8·1	3·5	11·1	84
11	968·2	25·3	4·7	17·3	61	19·6	90	5·4	6	21·5	25·2	26·5	21·3	27·4	19·9	7·5	0·0	11·0	83
12	965·8	25·0	3·3	19·4	71	22·3	105	2·7	9	19·8	24·4	26·6	21·1	28·5	17·5	11·0	0·0	11·2	85
13	963·6	26·5	4·2	19·4	65	22·3	110	1·3	8	21·3	25·5	27·0	21·3	29·0	19·2	9·8	0·0	10·3	78
14	963·7	27·3	4·5	19·7	63	22·7	105	0·9	5	20·8	25·2	25·9	21·2	29·3	19·8	9·4	0·0	8·0	61
15	961·7	27·0	4·9	18·8	61	21·5	Calm		8	18·9	25·7	23·2	20·6	28·7	17·3	11·4	0·0	6·4	48
16	964·8	26·6	4·1	19·7	66	22·7	75	1·8	8	19·7	24·0	24·4	21·6	28·4	18·3	10·1	1·9	6·0	45
17	965·7	24·4	2·0	21·0	81	24·6	105	2·2	9	20·5	22·0	25·0	20·8	28·6	19·9	8·7	1·7	2·8	29
18	965·7	24·0	1·5	21·4	85	25·2	60	2·2	9	20·3	22·5	26·0	21·7	27·7	19·4	8·3	7·8	6·1	47
19	966·7	22·4	0·5	21·5	95	25·4	75	2·7	10	20·6	21·4	20·4	19·7	25·8	19·1	6·7	10·6	1·0	8
20	966·7	25·9	3·4	20·1	70	23·3	55	3·1	8	19·7	22·8	26·0	21·0	28·0	18·8	9·2	54·1	8·1	62
21	965·3	26·2	3·3	20·6	71	24·0	40	3·1	8	18·8	23·7	23·5	21·0	27·2	17·8	9·4	0·1	6·3	48
22	965·0	26·2	4·3	18·9	64	21·6	40	3·1	8	20·0	22·8	26·9	21·5	28·4	19·3	9·1	1·2	8·5	65
23	965·7	25·9	4·1	18·9	65	21·6	60	6·7	9	20·9	22·9	26·0	22·0	27·7	19·8	7·9	2·4	9·0	69
24	965·4	24·8	2·1	21·2	80	24·9	65	7·2	9	20·8	24·0	24·8	21·2	27·2	19·7	7·5	4·1	5·3	40
25	965·9	24·6	1·9	21·3	82	25·1	65	7·2	8	20·7	22·0	25·0	22·7	26·3	20·1	6·2	7·5	4·7	36
26	964·0	21·1	0·6	20·0	94	23·2	55	0·9	10	21·2	20·0	20·2	20·3	23·8	18·3	5·5	24·2	0·0	0
27	961·6	22·3	0·8	20·9	92	24·5	355	7·6	10	20·3	20·5	20·6	22·3	24·2	19·3	4·9	77·9	0·0	0
28	958·0	23·0	0·3	22·5	97	27·0	340	11·2	10	22·1	21·5	21·2	20·8	23·2	20·4	2·8	46·7	0·0	0
29	959·5	23·5	1·2	21·4	88	25·2	260	4·9	9	20·9	21·1	23·3	21·2	24·8	20·2	4·6	100·6	6·8	52
30	962·3	24·8	2·5	20·5	77	23·9	275	4·5	9	19·5	21·5	24·2	22·0	25·9	18·3	7·6	2·3	7·9	61
31	964·6	25·1	2·6	22·4	85	26·8	275	1·3	8	21·0	21·6	27·3	21·0	27·9	20·1	7·8	2·7	10·4	80
Mean	964·5	25·3	3·0	20·2	74·2	23·6	...	3·6	7	20·5	23·6	24·7	21·5	27·5	19·5	8·0	414·4	6·67	50·9
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	41·2mbs.	Amount of rain	—	127·9mms.
Temperature of the Air	+	3·0°C	Duration of sunshine	+	46·7hrs
Vapour Pressure	+	1·5mbs.	Mean of highest temperatures	+	2·6°C
Relative Humidity	—	8·1%	,, lowest temperatures	+	3·1°C
Velocity of Wind	+	0·3mps.	Absolute highest temperature	+	2·7°C
Amount of Cloud	—	0·7	,, lowest temperature	+	2·7°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1935.

Month and Day 1935.	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.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	999·7	− 6·7	30·1	20·0	10·1	25·5	− 0·2	3·3	19·9	− 0·7	71	− 3	23·0	16·8	0·0	...	7·7	2·3
2	1003·0	− 3·3	31·2	20·4	10·8	25·7	0·0	3·3	20·1	− 0·5	71	− 3	23·3	16·4	0·0	...	7·2	3·4
3	1005·9	− 0·4	33·2	22·3	10·9	26·9	+ 1·2	3·5	21·0	+ 0·4	70	− 4	24·6	21·1	0·0	...	6·3	5·0
4	1006·3	+ 0·1	30·2	24·2	6·0	26·6	+ 0·8	3·2	21·2	+ 0·5	72	− 2	24·9	22·8	1·7	12	7·8	4·9
5	1005·9	− 0·3	28·4	24·0	4·4	25·5	− 0·3	1·9	22·3	+ 1·4	83	+ 9	26·7	22·8	6·1	27	4·6	5·5
6	1006·5	+ 0·4	32·2	23·4	8·8	27·1	+ 1·3	3·0	22·1	+ 1·2	74	0	26·3	21·2	0·2	4	7·8	5·1
7	1007·4	+ 1·4	32·3	23·0	9·3	27·1	+ 1·3	3·4	21·4	+ 0·5	71	− 4	25·2	20·0	0·0	...	7·2	4·0
8	1006·5	+ 0·6	31·8	22·1	9·7	26·2	+ 0·4	3·3	20·6	− 0·4	71	− 4	24·0	19·7	0·0	...	7·2	4·3
9	1006·5	+ 0·6	31·2	21·0	10·2	26·3	+ 0·5	3·9	19·7	− 1·3	67	− 8	22·7	18·8	1·9	7	7·0	4·1
10	1008·5	+ 2·7	31·1	23·0	8·1	26·6	+ 0·7	3·1	21·4	+ 0·3	73	− 2	25·2	21·4	0·3	6	8·5	4·7
11	1008·5	+ 2·8	30·9	23·0	7·9	26·3	+ 0·4	4·4	18·9	− 2·4	64	− 11	21·6	17·8	0·0	...	8·7	2·4
12	1005·7	+ 0·1	31·1	20·3	10·8	25·8	− 0·1	3·5	19·8	− 1·5	70	− 6	22·9	17·5	0·0	...	8·3	3·0
13	1004·1	− 1·4	31·5	21·9	9·6	26·6	+ 0·7	3·9	20·0	− 1·3	67	− 9	23·2	19·1	0·0	...	7·5	2·3
14	1003·6	− 1·8	31·6	23·1	7·5	26·1	+ 0·2	2·5	21·9	+ 0·6	78	+ 2	26·0	20·8	27·7	41	8·4	4·8
15	1003·5	− 1·9	31·3	21·7	9·6	26·0	+ 0·1	2·6	21·6	+ 0·3	77	+ 1	25·5	20·0	1·3	30	6·0	4·2
16	1005·1	− 0·2	30·2	22·0	8·2	26·1	+ 0·2	3·3	20·5	− 1·0	71	− 5	23·9	20·8	0·0	...	5·1	3·9
17	1006·0	+ 0·7	30·1	23·2	6·9	25·0	− 0·3	2·3	21·7	+ 0·2	79	+ 3	25·7	21·4	6·9	42	4·5	7·9
18	1006·4	+ 1·3	31·1	22·9	8·2	26·4	+ 0·5	3·1	21·2	− 0·3	73	− 4	24·9	21·6	0·6	12	7·3	5·1
19	1007·5	+ 2·5	27·4	22·4	5·0	24·4	− 1·6	1·2	22·3	+ 0·7	88	+ 11	26·7	21·8	26·7	191	2·7	8·7
20	1007·0	+ 2·1	30·0	22·3	7·7	25·8	− 0·2	2·7	21·2	− 0·4	76	− 1	24·9	19·8	0·3	4	5·8	7·0
21	1005·9	+ 1·0	31·0	21·1	9·9	25·8	− 0·2	2·4	21·7	+ 0·1	78	+ 1	25·7	19·7	2·1	10	6·2	5·0
22	1005·2	+ 0·4	30·1	22·4	7·7	26·4	+ 0·4	3·0	21·3	− 0·3	77	0	25·1	20·6	0·2	4	5·9	7·0
23	1005·9	+ 1·1	30·9	24·2	6·7	26·9	+ 0·9	3·4	21·2	− 0·4	71	− 6	24·9	22·7	0·0	...	6·1	6·1
24	1006·1	+ 1·4	29·9	24·1	5·8	26·4	+ 0·4	2·7	21·8	0·0	76	− 1	25·9	22·2	4·1	26	7·4	8·5
25	1006·4	+ 1·7	29·1	24·0	5·1	26·2	+ 0·2	2·4	22·1	+ 0·3	78	+ 1	26·3	22·8	4·5	21	5·1	9·1
26	1003·9	− 0·7	25·1	22·8	2·3	24·3	− 1·7	0·9	22·8	+ 1·0	91	+ 14	27·5	22·1	70·0	210	7·4	9·7
27	1001·1	− 3·5	26·4	23·1	3·3	24·9	− 1·1	0·9	23·4	+ 1·6	91	+ 14	28·5	22·4	58·1	380	5·9	10·0
28	998·8	− 5·8	26·8	24·1	2·7	25·4	− 0·6	0·9	23·9	+ 2·1	92	+ 15	29·4	23·8	68·7	295	3·0	10·0
29	1000·2	− 4·3	29·2	24·6	4·6	26·2	+ 0·3	1·8	23·2	+ 1·6	83	+ 6	28·1	20·6	3·7	19	5·4	7·0
30	1003·3	− 1·2	29·4	22·0	7·4	25·8	− 0·1	1·9	22·6	+ 1·0	82	+ 4	27·1	20·2	0·8	10	4·5	5·9
31	1005·8	+ 1·3	30·1	23·2	6·9	26·6	+ 0·7	2·2	22·9	+ 1·3	80	+ 2	27·6	21·8	0·6	8	5·0	5·3
Mean	1005·0	− 0·3	30·1	22·6	7·5	26·1	+ 0·2	2·7	21·5	+ 0·2	76·3	+ 0·3	25·4	20·6	Sum 286·5	Sum 1352	6·4	5·7
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 1935.

From the 1st to the 3rd pressure was low consequent on the passage of a cyclone East of Rodriguez ; this centre was located on the 1st some 350 miles ESE of Mauritius, travelling on a Southerly course. The maximum temperature for the month occured on the 3rd ; on the 5th started a period of calm or light variable winds with warm weather and some rain. Thunder and Lightning was also observed in the southern part of the island.

From the 9th a positive wave in pressure set in, coincident with a deepening of a low off the NE of Rodriguez ; a cyclone then formed which passed East of that island on the 13th travelling SSW ; this centre was probably quite small but intense ; very high seas were observed at Rodriguez. Pressure kept low in the North till the 17th when a strong high pressure system set in from the South East ; this brought some rain.

On the 26th another cyclone formed off the East coast of Madagascar in about 20°S, 51°E. It passed SW and South of Mauritius on the 27th and 28th ; this cyclone brought about 69% of the rainfall of the month ; which in amount was slightly above normal at the Observatory.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1935.

Month and Day 1934.	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
JANUARY	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	12·6	95	3·0	− 0·3	24·2	25·0	27·8	28·4	b .
2	7·7	58	2·1	− 1·2	24·2	25·3	27·8	28·3	b : bc : b .
3	11·3	85	2·8	− 0·5	24·2	25·4	27·9	28·4	bc : b .
4	12·1	91	4·2	+ 0·9	24·2	25·4	28·0	28·8	bcr₀r₀ : bc : b .
5	4·8	36	3·5	+ 0·1	24·2	25·3	28·1	28·6	b : bc : oR : c : c r₀r₀ ; bc .
6	9·0	68	2·0	− 1·4	24·2	25·4	28·1	28·4	bc : bcd₀d₀ : bc : b .
7	10·0	76	2·4	− 1·0	24·2	25·4	28·1	28·7	b : bc : c : bc : b .
8	8·8	67	1·9	− 1·5	24·3	25·4	28·1	28·8	b : bc : c : bc : b .
9	10·8	82	2·3	− 1·1	24·3	25·5	28·2	28·7	b : bc : c : bc : b : bcrr .
10	11·8	89	3·1	− 0·3	24·4	25·4	28·2	29·0	b : bc r₀ r₀ . bc .
11	12·3	93	3·5	+ 0·1	24·4	25·5	28·3	28·8	b : bc : b : b₀ .
12	8·5	64	1·9	− 1·5	24·3	25·6	28·3	28·8	b₀ : b : bc : b .
13	11·7	89	1·9	− 1·5	24·6	25·5	28·3	28·8	b : bc : bc : b .
14	7·6	58	2·2	− 1·2	24·6	25·5	28·3	29·0	b₀ bc : c RR : bc .
15	8·6	65	1·7	− 1·7	24·3	25·7	28·4	28·8	b₀ : b : bc : cr₀r₀ : bc .
16	7·5	57	2·5	− 0·9	24·3	25·8	28·5	29·0	b : bc : c : bc .
17	5·0	38	2·8	− 0·6	24·4	25·6	28·5	28·8	bc : cgr₀r₀ : c : crr .
18	9·1	69	2·6	− 0·8	24·4	25·8	28·5	28·7	b : bc : c : cr₀r₀ .
19	2·8	21	2·7	− 0·7	24·5	25·7	28·4	28·4	crr : orr .
20	10·1	77	2·6	− 0·8	24·5	25·9	28·3	27·9	orr : o : c : bc : b .
21	8·8	67	2·4	− 1·0	24·6	25·9	28·2	28·2	b : b c : bc rr .
22	9·4	72	2·6	− 0·8	24·5	25·9	28·2	28·3	c : cr₀r₀ : bc .
23	9·5	73	3·4	0·0	24·5	25·9	28·2	28·2	bc : c : bc .
24	6·7	51	3·9	+ 0·5	24·5	25·9	28·1	28·3	crr : c : c rr .
25	5·5	42	4·0	+ 0·6	24·4	25·9	28·2	28·2	or₀r₀ : crr : c : o r₀ r₀ .
26	0·0	00	2·6	− 0·8	24·4	25·9	28·1	27·7	c : oRR : o .
27	0·0	00	4·7	+ 1·3	24·6	26·1	28·0	26·6	og rr .
28	0·0	00	7·9	+ 4·5	24·5	26·1	27·6	26·1	og rr .
29	8·6	66	4·5	+ 1·1	24·6	26·4	27·2	25·9	o : c : crr : bc .
30	11·0	85	2·6	− 0·8	24·6	26·3	27·1	26·7	b D : bc : c .
31	11·9	92	1·8	− 1·6	24·7	26·2	27·3	27·4	c : crr bc : b .
Mean	8·31	62·1	2·97	−0·42	24·41	25·70	28·07	28·22	.....
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 1935.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1010·1mbs	at 22.00hrs.	on 10th	996·6mbs	at 16·00hrs.	on 28th
Temperature of the Air	33·2°C	...	on 3rd	20·0°C	at 02h.45	on 1st
Daily range of temperature of the Air ...	10·9°C	...	on 3rd	2·3°C	..	on 26th
Temperature of the Dew Point	24·8°C	at 09.00hrs.	on 28th	16·6°C	at 10·00hrs.	on 11th
Daily range of temperature of the Dew Point	6·1°C	...	on 9th	1·7°C	...	on 25th
Minimum on Grass	...	...	...	16·4°C	...	on 2nd
Relative humidity	99·0%	at 09.00hrs.	on 27th	45·4%	at 13·00hrs	on 11th
Vapour Pressure	31·0mbs.	at 09·00hrs.	on 28th	18·7mbs.	at 10.00hrs.	on 11th
Wind Velocity	10·1m.p.s.	at 16·00hrs.	on 28th	0·6mps	...	often
Rainfall in 24 hours	68·7mms.	ending 24·00hrs	on 28th	...	...	...
Evaporation in 24 hours...	8·7mms	...	on 11th	2·7mms	...	on 19th
Duration of sunshine	12·6hrs	...	on 1st	0·0h	...	on 26th, 27th & 28th

Mean Day Temperature of Air, 27·92°C. Average 27·74°C. Mean Night Temperature of Air, 24·48°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
...	5	16	8	2	7	7	2	...	5	...	...

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 1935.

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	003	020	054	068	066	068	077	080	066	086	099	081	052	045	036	049	Midnight
1h	000	018	050	061	061	062	072	074	061	084	092	076	049	041	031	043	1h
2	995	017	045	060	058	060	070	070	061	082	090	071	043	037	030	041	2
3	992	017	044	060	051	059	063	066	059	080	090	066	040	034	026	039	3
4	993	018	046	059	051	057	061	061	055	079	090	062	039	034	025	040	4
5	995	017	051	060	054	060	067	061	058	080	090	063	040	037	029	045	5
6	997	023	057	061	061	066	070	069	061	083	091	069	046	040	033	050	6
7	000	030	061	067	067	070	076	072	066	087	093	069	046	041	040	056	7
8	003	034	063	071	070	072	079	076	070	090	096	070	046	043	041	055	8
9	002	035	063	073	070	073	080	074	070	090	099	069	045	046	040	056	9
10	000	035	067	073	069	073	080	072	070	090	095	069	041	043	040	060	10
11	997	031	066	071	064	070	079	071	070	088	091	064	040	040	037	056	11
Noon	994	026	061	068	061	067	077	067	061	085	087	056	039	039	032	050	Noon
13h	990	022	056	064	060	061	071	061	059	081	080	050	032	032	030	048	13h
14	985	021	052	060	054	060	070	060	056	079	076	046	030	031	027	044	14
15	982	020	050	056	050	053	065	056	051	074	070	040	027	027	021	042	15
16	981	020	050	051	046	050	063	051	051	071	070	038	023	020	022	040	16
17	981	021	051	051	046	052	069	050	056	076	070	036	027	021	026	041	17
18	986	027	060	037	051	058	070	051	062	080	073	040	031	024	030	050	18
19	994	035	065	060	057	062	078	060	069	087	078	044	039	030	040	056	19
20	003	040	071	066	060	069	080	060	072	093	080	051	046	033	042	059	20
21	010	050	076	067	062	075	082	062	078	099	081	051	049	040	049	064	21
22	019	058	074	070	066	081	084	069	081	101	084	054	051	041	053	069	22
23	022	059	073	070	069	080	083	070	084	100	084	055	051	040	054	069	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	065	067	072	090	070	061	060	066	070	051	026	000	991	025	051	1005·5	Midnight
1h	060	061	070	084	062	054	052	060	061	048	019	994	981	020	050	1005·0	1h
2	056	059	070	080	060	049	050	055	060	040	011	988	978	012	047	1004·7	2
3	053	057	064	074	060	047	047	051	059	039	011	981	975	011	042	1004·4	3
4	050	056	062	070	059	044	046	050	060	036	011	983	980	018	041	1004·3	4
5	052	059	067	070	056	044	050	054	060	043	016	989	987	020	043	1004·6	5
6	062	062	068	074	060	048	056	060	065	044	019	992	991	029	049	1005·0	6
7	069	068	072	076	063	050	060	063	069	050	021	995	000	031	054	1005·4	7
8	069	070	073	079	066	051	062	063	071	056	021	000	002	033	060	1005·7	8
9	070	071	077	078	066	056	066	066	073	052	021	998	007	039	060	1005·8	9
10	070	070	078	078	065	057	065	066	072	050	020	998	008	040	061	1005·7	10
11	066	069	076	074	063	054	063	066	070	047	020	991	009	040	058	1005·5	11
Noon	061	066	073	072	060	053	060	061	068	041	018	988	008	038	053	1005·1	Noon
13h	059	061	073	069	053	050	058	060	061	040	014	990	006	032	052	1004·8	13h
14	051	059	071	060	050	047	051	052	060	033	010	976	004	030	050	1004·4	14
15	050	054	070	056	049	041	050	051	056	029	007	971	001	029	050	1004·0	15
16	048	050	070	051	046	043	051	053	052	024	000	966	001	026	050	1003·8	16
17	049	051	070	032	046	043	053	055	056	027	996	973	001	028	054	1004·0	17
18	052	054	076	055	051	049	060	060	060	030	996	977	006	030	060	1004·4	18
19	060	061	081	060	054	056	062	063	063	033	000	981	011	037	069	1005·0	19
20	066	068	087	068	060	060	068	067	070	036	002	990	018	044	075	1005·5	20
21	070	073	092	071	064	063	070	070	071	039	003	996	021	050	079	1005·9	21
22	071	079	093	073	069	066	072	073	069	038	003	996	022	051	081	1006·2	22
23	070	078	096	071	069	061	071	071	060	032	001	996	028	054	082	1006·1	23

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

Hour. \ Day.	JANUARY 1935.																															
	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	1	4	4	1	3	4	0	1	3	4	0	2	0	0	2	7	2	8	10	1	5	4	9	10	8	10	10	10	2	8	4·4
1h	3	1	5	7	1	4	2	1	1	3	4	1	1	0	0	2	6	3	8	10	1	7	4	9	10	7	10	10	10	2	9	4·6
2	4	1	0	9	1	5	2	1	2	4	3	0	1	0	0	1	7	3	9	10	1	8	3	8	9	9	10	10	10	2	10	4·8
3	1	0	8	5	1	6	1	1	2	1	1	0	1	1	1	0	9	2	9	10	1	9	4	9	9	10	10	10	9	1	9	4·6
4	1	0	7	6	1	6	1	1	3	2	1	0	1	1	1	0	7	2	7	10	1	9	4	9	9	10	10	10	9	2	9	4·5
5	2	1	6	5	2	5	1	2	4	4	1	1	1	4	4	1	9	3	8	9	2	8	5	7	8	10	10	10	9	9	10	5·2
6	3	1	5	6	3	6	2	3	5	3	1	2	1	7	3	1	9	3	5	9	3	9	5	6	9	9	10	10	9	9	8	5·3
7	2	2	0	6	4	6	2	2	4	3	1	1	1	4	3	1	9	5	5	9	3	8	6	7	9	10	10	10	9	5	7	5·2
8	3	2	7	7	6	6	4	6	4	5	2	5	1	5	3	2	9	5	6	7	3	9	6	9	9	10	10	10	9	5	7	5·9
9	3	1	5	6	8	7	5	5	4	6	3	6	1	5	3	2	9	6	9	8	5	9	7	9	9	10	10	10	10	5	6	6·2
10	3	2	0	6	10	5	5	6	6	6	4	8	3	6	3	5	9	5	8	7	4	8	6	7	8	10	10	10	9	6	5	6·3
11	3	3	5	6	8	5	6	6	7	7	4	8	5	6	2	5	8	6	8	9	7	7	6	8	9	10	10	10	6	7	5	6·5
Noon	3	4	6	6	10	5	5	6	8	5	5	5	6	8	3	6	8	6	9	6	7	7	6	8	9	10	10	10	5	7	5	6·6
13h	3	5	5	6	9	5	6	6	8	7	5	5	6	9	3	6	8	5	9	6	6	8	7	9	9	10	10	10	6	6	5	6·7
14	3	8	5	6	8	5	5	7	6	7	4	5	6	10	5	4	8	7	10	6	7	7	9	9	9	10	10	10	8	6	4	6·9
15	3	8	7	6	8	7	6	8	6	7	4	7	4	7	7	5	7	6	10	7	9	7	9	10	9	10	10	10	7	6	2	7·1
16	3	8	6	5	8	6	8	7	4	6	4	5	4	7	8	5	7	5	10	7	8	7	9	9	9	10	10	10	6	6	3	6·8
17	2	8	6	5	9	6	9	8	4	6	3	4	3	8	8	5	7	5	10	7	8	7	8	8	9	10	10	10	5	7	4	6·8
18	2	8	4	5	10	5	8	9	2	4	2	3	3	8	9	8	8	5	10	8	8	6	8	7	9	9	10	10	5	9	5	6·7
19	2	8	4	3	9	6	8	8	2	5	2	2	2	8	9	7	9	5	10	7	6	5	7	9	9	10	10	10	7	8	5	6·5
20	1	4	2	2	6	5	3	4	2	4	1	1	2	6	7	6	10	8	10	5	4	5	6	9	10	10	10	10	4	5	3	5·3
21	1	1	2	1	3	7	3	2	2	5	1	1	0	4	7	5	9	5	10	2	9	4	4	8	10	10	10	10	4	8	1	4·8
22	1	0	2	1	3	1	1	1	6	5	0	1	0	2	6	5	9	9	10	2	8	4	4	10	10	10	10	10	3	8	1	4·6
23	1	2	2	1	2	1	0	1	4	4	0	1	1	0	4	6	5	9	10	2	6	5	6	10	9	10	10	10	2	8	0	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.	JANUARY 1935.																															
	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	10	22	15	0	0	0	7	9	0	8	15	14	15	7	18	15	0	2	0	0	20	0	0	0	0	0	0	0	0	3	15	3·2
7	60	60	60	49	46	31	60	60	58	60	60	60	60	60	60	60	0	42	45	0	52	54	40	22	50	0	0	0	17	54	30	21·8
8	60	60	60	55	5	50	60	60	60	60	60	57	60	60	60	60	0	60	60	30	58	55	60	55	55	0	0	0	42	60	60	24·7
9	60	60	60	60	20	58	60	55	60	55	60	30	60	60	60	60	2	60	15	55	55	48	60	60	50	0	0	0	6	60	58	23·5
10	60	60	60	60	36	60	60	50	60	60	60	17	60	60	50	60	43	60	36	60	60	60	57	60	50	0	0	0	47	60	60	25·4
11	60	60	60	60	5	60	60	35	60	53	60	24	47	60	60	60	28	60	12	60	45	60	60	60	36	0	0	0	55	60	60	23·7
Noon	60	60	60	60	4	60	60	55	54	60	60	55	34	14	60	60	53	60	0	60	30	50	60	45	34	0	0	0	60	60	60	23·1
13h	60	43	60	60	15	60	60	60	8	59	60	60	60	30	60	60	55	60	0	55	55	55	60	42	28	0	0	0	60	60	60	23·4
14	60	1	60	60	50	53	60	35	44	55	60	37	60	0	55	8	52	25	0	60	35	30	55	52	5	0	0	0	50	60	60	19·7
15	60	15	60	60	27	40	55	5	60	60	59	40	60	18	32	0	25	5	0	59	17	55	25	3	22	0	0	0	56	60	60	17·3
16	60	15	35	60	40	38	50	42	60	55	60	53	60	60	3	0	22	50	0	58	60	23	15	0	3	0	0	0	40	43	60	17·7
17	60	0	60	60	41	10	8	33	60	56	60	55	50	25	0	5	5	25	0	60	35	35	50	5	0	0	0	0	20	48	60	15·4
18	60	5	26	60	0	22	0	31	60	50	48	4	55	1	0	0	13	37	0	32	5	40	25	0	0	0	0	0	52	32	60	12·0
19	27	0	0	20	0	0	0	0	7	15	17	4	21	0	0	0	0	2	0	15	0	0	0	0	0	0	0	0	8	0	14	2·5

The total Amount of Registered Sunshine was 253.5 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 1935.

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	22·7	2·0	22·8	1·8	22·7	1·6	25·0	1·2	24·6	2·0	24·5	1·2	24·4	1·3	24·0	1·5	Midnight
1h	21·1	1·5	22·4	1·6	22·5	1·4	24·8	1·6	24·7	1·8	24·2	1·0	24·3	1·1	23·8	1·7	1h
2	21·0	1·5	21·9	1·8	23·0	1·1	24·9	1·1	24·5	1·6	24·2	1·0	24·2	1·0	23·2	1·3	2
3	20·1	1·1	21·3	1·3	23·6	1·4	24·8	1·1	24·0	1·7	24·2	1·1	24·1	1·3	23·0	1·3	3
4	20·2	1·1	21·2	1·4	23·9	1·5	24·3	1·1	24·1	1·4	23·8	0·9	23·3	1·1	22·8	1·5	4
5	20·4	1·3	20·6	1·5	23·3	1·3	24·3	1·3	24·3	1·3	23·8	0·9	23·1	1·0	22·2	1·1	5
6	20·6	1·4	20·9	0·9	23·0	1·0	24·4	1·4	24·7	1·6	23·9	0·9	23·0	1·0	22·6	1·0	6
7	24·6	2·6	24·0	2·3	26·0	2·3	25·7	1·7	26·0	2·2	25·5	2·6	25·7	2·4	25·3	2·3	7
8	26·5	3·2	27·2	4·2	28·0	3·7	26·9	2·9	25·8	1·9	26·5	1·9	27·8	3·8	28·0	4·2	8
9	27·3	3·4	29·0	5·9	28·9	4·7	27·8	3·8	26·0	1·8	27·8	3·2	29·0	4·9	28·6	4·6	9
10	28·8	4·8	30·0	5·9	29·7	5·6	28·6	4·4	27·2	2·9	29·8	5·0	29·2	4·7	29·2	5·3	10
11	29·7	5·4	31·0	5·9	30·5	6·3	29·2	5·1	26·1	2·1	30·8	5·6	30·8	6·1	29·7	5·5	11
Noon	29·1	5·6	30·8	5·1	30·7	6·7	29·7	5·8	26·1	2·1	31·0	5·3	31·2	6·0	30·0	6·0	Noon
13h	30·0	5·6	30·4	5·2	31·7	7·5	30·0	5·8	27·4	3·1	31·9	6·0	32·0	7·0	30·9	6·2	13h
14	29·8	5·5	29·3	5·1	31·5	6·8	29·2	5·1	27·3	2·4	31·3	5·8	32·0	6·5	30·4	6·4	14
15	29·6	5·6	28·9	4·9	30·5	6·2	29·5	5·6	27·6	3·6	30·7	5·5	32·0	6·1	29·0	4·2	15
16	29·1	5·8	28·1	4·4	29·0	5·1	29·0	5·3	27·7	3·5	30·1	5·1	31·4	6·3	29·0	4·8	16
17	28·7	5·2	28·0	4·6	29·2	5·1	28·2	4·8	27·0	2·9	29·0	4·7	29·1	4·9	28·3	4·3	17
18	28·0	4·5	27·1	4·0	28·1	4·3	27·2	4·2	24·9	1·1	28·0	3·9	27·2	3·7	28·0	4·0	18
19	26·1	3·1	26·4	3·4	26·8	3·0	26·0	3·2	24·8	1·3	26·8	2·8	27·0	3·3	26·8	3·8	19
20	25·7	3·0	25·2	2·0	26·0	2·2	25·3	2·7	24·2	1·0	26·1	2·1	25·5	2·2	25·0	2·3	20
21	25·1	2·2	24·3	2·0	25·7	1·9	25·0	2·5	24·6	1·4	25·6	1·6	24·8	1·8	24·2	2·1	21
22	24·4	2·1	23·8	1·8	25·0	1·5	24·7	2·4	24·3	1·1	25·1	1·2	24·4	1·8	23·6	2·0	22
23	23·3	1·6	23·2	1·5	25·0	1·5	24·8	2·1	24·5	1·1	24·9	1·7	24·1	1·4	23·0	1·9	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	22·8	1·8	25·0	1·8	24·3	1·6	23·0	2·0	23·3	1·7	23·6	2·3	23·2	1·3	23·4	1·4	Midnight
1h	22·1	1·4	24·2	1·5	24·6	2·0	22·1	2·0	22·9	1·7	23·8	2·1	23·0	1·1	23·2	1·2	1h
2	22·0	1·6	24·0	1·6	24·6	2·7	21·5	1·7	22·1	1·1	23·4	1·5	23·5	1·2	23·0	1·3	2
3	21·1	1·1	23·4	1·2	24·0	1·9	21·4	1·5	23·1	1·4	23·9	1·8	23·1	1·2	22·7	1·4	3
4	21·1	1·1	23·1	1·1	23·3	1·5	21·2	1·4	23·0	1·5	24·0	1·4	22·6	1·2	22·6	1·4	4
5	21·7	1·6	23·3	1·2	23·2	1·9	20·6	1·5	22·2	1·4	24·1	1·5	22·0	1·1	22·1	1·1	5
6	21·9	1·2	23·7	1·5	23·1	1·9	20·5	1·2	22·0	1·8	24·1	1·1	22·0	1·1	22·2	1·2	6
7	24·5	1·8	25·5	2·2	25·6	3·6	24·3	2·3	25·3	3·2	26·0	2·3	24·2	1·6	25·0	2·3	7
8	27·0	4·2	27·2	3·3	27·2	5·2	26·8	3·9	27·8	5·2	27·5	3·6	26·8	3·8	27·2	3·9	8
9	28·0	5·2	28·8	4·8	28·1	5·9	27·2	4·2	28·9	6·1	28·8	4·7	28·0	3·8	28·0	4·2	9
10	29·1	6·3	29·0	5·0	29·0	7·5	27·8	4·6	29·8	6·8	29·8	5·9	28·7	4·5	28·9	5·2	10
11	30·0	7·9	29·3	5·3	29·7	7·7	28·5	5·0	29·8	5·6	30·5	6·3	30·7	5·7	29·7	5·7	11
Noon	30·8	7·6	29·8	5·5	29·8	7·0	29·9	6·6	29·7	4·9	29·9	4·9	31·0	5·4	29·8	5·9	Noon
13h	30·7	7·2	30·5	5·5	30·5	8·0	30·5	7·2	30·8	5·6	29·3	4·4	31·1	5·5	29·8	6·0	13h
14	30·6	6·8	30·0	5·4	30·1	7·2	30·0	6·2	30·2	5·6	25·5	1·0	30·8	5·5	29·0	5·5	14
15	30·8	6·9	29·9	5·3	29·5	6·8	29·9	5·0	31·1	6·0	25·6	0·7	30·2	5·0	28·2	4·7	15
16	30·0	7·0	29·3	5·2	29·2	7·0	30·0	5·2	30·9	6·3	29·0	4·2	26·6	2·4	28·1	4·6	16
17	29·2	6·2	28·4	3·9	28·6	6·6	29·2	4·4	29·9	5·7	28·0	2·2	27·1	2·5	28·0	4·8	17
18	28·0	4·8	28·0	4·0	27·0	5·1	28·1	4·0	29·3	4·9	27·2	2·2	26·2	2·2	26·7	3·5	18
19	26·9	3·3	26·9	3·5	25·8	4·0	26·4	2·9	27·6	5·3	26·1	2·0	25·2	1·4	26·0	3·2	19
20	26·3	3·1	25·9	2·6	24·6	3·0	25·8	3·6	26·0	3·9	24·9	1·9	25·2	1·3	25·6	2·7	20
21	26·0	2·9	25·0	1·9	24·0	2·6	25·2	2·9	24·7	2·7	24·8	1·6	24·7	1·6	25·3	2·4	21
22	25·1	1·2	25·0	1·8	23·8	2·6	24·1	2·2	24·9	2·9	24·1	1·4	24·3	1·3	25·1	3·1	22
23	25·0	1·3	24·8	1·8	23·2	2·1	24·0	2·1	24·2	2·2	23·1	1·1	24·0	1·7	25·0	2·0	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 1935.

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	24·6	1·5	23·9	0·9	24·0	1·1	23·3	0·6	22·6	1·2	23·2	1·0	24·6	1·9	25·3	2·3	Midnight
1h	24·1	1·1	23·8	1·1	23·9	1·1	23·5	0·9	22·0	1·0	23·1	1·0	24·9	2·9	25·1	2·1	1h
2	24·0	1·1	23·8	1·3	23·9	1·1	23·2	0·9	21·3	0·6	23·2	1·0	24·3	1·4	24·3	1·5	2
3	23·9	1·5	23·1	1·0	23·7	0·9	23·6	1·4	21·6	0·8	23·5	0·9	24·6	1·6	24·3	1·3	3
4	23·9	1·2	22·9	0·9	23·6	1·0	23·6	1·5	21·6	0·7	23·0	1·0	24·8	2·0	24·3	1·3	4
5	23·3	1·2	23·0	1·0	23·6	1·1	23·8	1·5	21·2	0·4	22·7	0·8	24·9	1·9	24·1	1·2	5
6	23·8	1·2	23·0	1·0	23·2	1·1	23·7	1·4	21·2	0·6	23·2	1·1	25·0	2·0	24·4	1·4	6
7	24·1	1·2	24·9	1·8	24·8	1·6	24·3	1·3	23·8	1·4	25·0	1·4	26·1	2·2	25·4	2·2	7
8	25·7	2·5	26·6	2·6	26·3	2·0	25·2	1·8	26·9	2·7	26·9	2·8	27·4	3·4	26·6	2·9	8
9	27·2	4·0	28·0	4·0	26·0	1·8	27·1	3·1	27·8	3·5	27·7	3·7	28·0	3·9	28·0	3·8	9
10	28·1	4·2	29·0	4·9	27·1	3·0	27·6	3·7	29·3	4·4	29·0	4·7	28·7	4·4	28·7	4·5	10
11	28·8	4·8	29·6	5·3	27·2	3·3	28·7	4·4	27·7	2·0	29·3	4·8	29·6	5·5	28·5	3·8	11
Noon	28·9	4·8	29·7	5·2	25·9	1·8	29·2	4·9	29·8	4·6	29·8	5·1	29·9	5·3	27·9	3·6	Noon
13h	29·2	4·7	30·1	5·3	24·1	0·3	29·0	5·0	29·8	3·9	29·9	4·8	29·8	6·2	29·0	4·9	13h
14	29·1	4·8	29·3	5·8	25·1	1·1	29·7	5·5	29·0	4·2	29·6	4·7	30·6	6·7	29·2	5·3	14
15	26·6	2·1	29·0	4·9	24·8	1·0	28·9	4·9	29·0	4·2	29·9	5·4	29·4	5·5	28·7	4·4	15
16	27·5	3·4	29·2	5·6	24·6	0·8	28·3	4·3	29·6	4·6	28·9	4·9	28·4	4·6	27·9	3·8	16
17	26·0	1·9	29·1	5·3	24·7	0·8	28·5	4·6	29·0	4·3	28·2	4·4	28·0	4·2	27·5	3·4	17
18	24·9	1·7	28·8	5·5	24·0	0·7	27·5	3·8	28·0	3·6	28·0	4·3	27·4	4·2	26·7	2·6	18
19	24·3	1·1	26·8	3·0	23·6	0·8	26·2	3·1	27·1	2·9	26·6	3·2	26·8	3·2	25·9	1·9	19
20	24·2	1·1	26·0	2·2	22·9	0·8	24·7	1·9	26·1	2·1	25·5	2·4	26·1	2·9	25·9	2·2	20
21	24·1	1·0	25·2	1·5	22·3	0·6	24·0	1·4	25·0	1·3	25·0	2·0	25·8	2·7	25·9	2·0	21
22	24·1	1·1	24·2	1·8	22·7	0·6	23·1	1·1	24·6	1·1	25·5	2·2	25·7	2·5	25·0	1·1	22
23	23·9	0·9	23·9	1·4	23·4	0·8	23·0	1·3	23·8	1·0	25·6	2·4	25·3	2·0	25·1	1·5	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 of Air over Evap.	Day / Hour.
Midnight	24·9	1·9	25·0	1·4	25·0	1·0	26·0	1·1	24·6	0·6	24·9	1·4	24·0	1·0	24·0	1·4	Midnight
1h	25·1	1·3	25·0	1·7	24·9	0·9	26·0	1·3	24·8	0·8	24·1	0·7	23·8	0·9	23·8	1·4	1
2	25·0	1·3	25·0	1·7	25·0	1·0	26·1	1·3	24·9	0·9	23·7	0·7	23·5	0·6	23·6	1·3	2
3	25·0	1·5	24·9	1·8	24·1	1·1	26·1	1·1	24·8	0·8	23·0	0·8	23·8	0·8	23·5	1·3	3
4	25·0	1·4	25·0	1·7	24·7	0·7	26·3	1·3	25·0	0·9	23·0	0·7	24·0	0·8	23·4	1·2	4
5	25·0	1·4	23·9	0·9	23·1	0·1	26·4	1·5	25·1	1·1	22·4	0·6	23·3	0·3	23·1	1·1	5
6	25·0	1·5	23·2	0·7	23·6	0·6	26·2	1·4	25·1	1·1	22·3	0·4	23·9	0·7	23·2	1·2	6
7	25·3	1·5	24·1	1·0	24·2	0·6	26·7	1·7	26·0	1·4	23·5	0·7	24·6	0·5	25·0	1·8	7
8	26·8	2·6	23·0	0·2	25·2	0·9	25·1	0·7	26·9	1·7	25·6	1·6	26·6	1·1	26·6	2·8	8
9	27·5	3·4	23·0	0·1	24·5	0·1	25·1	0·2	25·8	1·3	27·0	2·0	28·1	2·6	27·5	3·6	9
10	27·9	3·4	23·1	0·3	25·0	1·0	25·7	0·8	26·1	0·9	28·0	3·1	28·9	3·1	28·3	4·2	10
11	28·1	3·3	23·9	0·3	24·2	0·6	26·0	0·9	27·0	2·0	28·5	3·0	29·0	3·4	28·8	4·5	11
Noon	28·0	3·9	23·8	0·2	24·3	0·5	25·7	0·7	28·3	2·6	28·5	3·5	29·1	3·2	28·6	4·2	Noon
13h	28·2	3·5	24·9	0·6	24·8	0·9	25·0	0·8	28·8	3·1	28·5	3·2	29·8	4·2	29·3	4·8	13h
14	28·1	4·7	23·3	0·2	25·2	1·2	25·0	1·1	29·0	3·1	28·9	3·6	30·0	4·0	29·0	4·6	14
15	28·8	4·8	24·5	0·6	24·8	1·2	25·8	1·2	28·6	3·4	28·6	3·5	30·0	4·6	28·7	4·3	15
16	28·0	3·9	25·0	1·0	24·7	0·7	25·0	0·3	28·1	2·9	27·6	2·7	29·8	4·8	28·4	4·3	16
17	25·7	2·3	25·0	1·4	24·6	0·6	24·5	0·5	27·2	3·1	27·7	3·1	29·3	4·3	27·8	3·8	17
18	26·8	2·9	24·9	1·8	24·3	0·8	24·2	0·3	27·1	3·2	27·2	3·0	29·2	4·1	27·0	3·3	18
19	26·2	2·5	24·6	1·2	25·4	0·5	24·6	0·6	26·0	2·3	26·1	2·1	28·1	2·9	26·1	2·6	19
20	26·1	2·5	24·5	0·8	26·1	1·2	24·1	0·3	25·4	1·6	25·8	1·8	26·1	2·1	25·4	2·2	20
21	24·7	1·4	24·4	0·7	26·2	1·2	24·6	0·6	25·0	1·3	25·3	1·3	25·2	1·2	24·9	1·8	21
22	24·1	1·8	24·7	0·9	26·1	1·0	24·2	0·3	24·6	1·3	25·1	1·1	24·8	1·6	24·5	1·5	22
23	24·7	1·4	24·8	0·9	26·3	1·3	24·7	0·7	24·8	1·6	24·3	0·8	24·2	1·2	24·3	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 JANUARY 1935.

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 1935.

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	1·6	r14	1·6	10	1·6	10	2·5	11	2·5	09	2·3	07	1·1	11	1·6	10	2·3	08	1·8	11	2·3	12	1·2	13	0·6	13	0·6	29	0·7	11	1·5
1h	12	0·7	14	1·4	12	1·6	09	3·4	11	2·1	09	2·0	07	1·5	11	1·3	10	2·3	08	1·3	11	2·4	12	0·7	13	0·9	13	0·8	29	0·8	11	1·1
2	12	0·6	14	1·8	12	1·7	09	2·4	11	1·8	09	1·9	07	1·2	11	1·2	10	1·1	09	1·9	12	3·1	12	0·6	10	1·7	13	1·8	29	1·1	11	0·7
3	12	1·6	14	1·7	12	1·3	09	2·5	11	3·5	09	1·8	07	1·2	11	1·0	10	1·1	09	1·9	12	2·4	12	1·3	12	2·0	13	1·3	29	2·2	11	1·1
4	12	1·5	14	1·8	12	1·4	09	2·9	10	1·4	09	1·2	07	1·8	11	0·7	10	1·2	09	1·4	12	2·5	12	0·6	12	0·7	12	1·4	29	1·5	11	1·1
5	12	0·9	14	1·9	12	1·8	09	3·8	10	3·1	09	1·1	08	1·4	11	1·1	10	1·3	09	2·0	12	2·5	12	1·1	15	1·0	12	1·7	29	1·2	11	1·6
6	12	0·6	11	1·3	10	1·7	09	3·7	11	3·0	09	1·1	08	1·2	11	1·1	14	1·0	09	2·2	12	1·9	12	1·1	15	1·2	09	1·8	29	1·4	11	0·9
7	12	0·6	11	0·8	10	2·3	08	3·2	11	3·3	09	1·3	08	1·3	11	0·7	12	1·8	09	2·1	11	3·1	15	1·1	15	0·6	11	2·2	29	1·2	10	1·6
8	d21	2·1	06	0·8	08	3·3	08	5·1	09	4·0	07	1·4	08	1·5	08	1·5	09	2·1	08	3·1	09	4·6	12	2·7	11	1·7	10	3·1	29	1·0	09	2·9
9	23	2·6	04	1·1	06	4·0	06	3·6	09	3·9	06	2·0	07	3·2	02	1·5	07	2·7	08	4·0	10	5·5	12	2·2	13	2·8	09	3·1	29	1·1	11	2·8
10	23	4·0	r25	2·2	07	3·8	07	4·6	09	4·4	04	1·9	06	3·9	05	2·6	07	2·8	09	4·3	09	5·6	13	3·6	12	1·8	08	3·2	26	2·1	06	3·0
11	23	4·8	27	2·6	07	3·5	07	5·3	08	4·6	02	2·3	04	3·7	05	2·6	08	3·0	08	4·5	09	5·2	10	3·3	10	2·5	09	4·1	29	3·0	08	3·1
Noon	21	5·9	29	3·4	07	5·0	06	5·0	08	4·8	01	4·1	02	4·4	07	3·7	09	3·0	07	4·8	09	5·2	10	4·2	d25	3·0	d19	4·4	28	3·1	07	3·7
13h	22	5·8	29	3·4	06	4·2	11	5·3	09	4·4	01	4·3	02	4·5	06	4·1	07	3·3	07	4·8	09	5·2	09	4·2	25	3·9	21	5·8	26	3·0	06	4·7
14	22	6·7	d07	3·0	06	4·4	09	5·1	08	4·8	03	3·5	02	4·2	05	3·3	06	3·6	06	5·3	11	5·0	16	3·3	22	4·1	d32	3·4	26	3·4	09	3·2
15	20	6·7	07	3·2	07	4·5	09	5·1	06	4·4	04	3·3	01	4·7	d17	2·3	08	3·2	07	4·6	10	5·1	20	2·4	25	3·2	r21	2·2	23	2·9	d19	1·5
16	21	6·4	09	2·8	06	4·4	09	6·8	10	4·9	02	3·6	02	3·8	18	2·6	07	3·1	08	4·3	10	4·4	22	2·6	22	3·4	22	3·1	r12	1·9	r08	2·7
17	22	4·8	07	2·6	06	3·4	09	5·0	09	4·5	04	3·0	03	2·0	19	1·8	09	3·0	07	4·3	12	4·8	24	2·5	21	2·8	28	1·4	r04	1·7	09	3·6
18	23	4·7	06	3·1	07	3·6	09	6·5	07	3·7	06	2·4	d16	1·6	14	1·1	07	2·9	09	3·9	11	4·6	r11	1·1	17	1·4	29	0·6	08	1·4	09	4·1
19	22	3·6	08	2·4	09	2·7	08	5·2	09	2·6	07	1·4	17	1·0	10	1·4	07	2·5	09	3·2	11	2·9	13	2·3	16	2·4	29	1·2	d21	1·0	10	3·0
20	21	2·7	09	2·4	10	1·6	10	4·5	10	3·3	07	0·7	11	2·0	10	1·2	07	1·9	10	2·1	12	1·8	13	2·6	14	2·0	29	1·1	21	1·1	10	2·6
21	21	1·8	09	2·4	10	1·5	10	3·4	10	3·1	07	0·9	11	1·4	10	2·1	08	2·0	10	2·1	12	1·2	13	1·1	13	1·4	29	0·7	r11	1·3	11	2·6
22	21	1·1	10	1·7	10	1·9	10	3·6	08	3·1	07	0·6	11	1·9	10	1·9	10	1·6	10	1·8	12	0·9	13	0·6	13	1·1	29	0·8	11	1·9	11	2·9
23	21	0·7	10	1·6	10	1·8	10	3·0	09	2·9	07	1·1	11	1·9	10	2·3	10	1·7	11	2·3	12	1·4	13	0·8	13	0·7	29	1·1	11	0·9	10	2·8

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	11	2·6	11	2·0	11	1·6	12	1·8	12	1·4	12	1·9	06	1·4	07	2·6	06	3·0	07	2·2	02	3·1	32	7·1	27	5·7	21	1·8	26	0·6	2·1
1h	11	2·5	11	1·9	12	1·6	12	1·4	12	1·4	11	0·7	06	1·8	08	2·1	07	3·0	07	1·9	02	3·4	32	7·4	26	4·9	21	0·9	26	0·7	1·9
2	10	1·5	11	2·1	11	2·0	12	1·9	12	1·8	11	1·1	06	1·8	08	1·8	07	3·6	07	1·6	02	3·3	32	8·8	27	4·4	21	0·8	26	0·9	2·0
3	08	2·0	11	1·8	12	2·0	10	2·1	12	1·8	11	1·1	07	1·4	08	2·3	06	2·5	07	1·9	04	3·7	31	8·7	27	5·1	21	1·1	31	1·2	2·1
4	10	2·2	11	1·6	12	1·8	10	2·8	12	1·4	11	1·2	06	2·1	07	2·0	06	3·1	07	1·6	04	3·2	31	9·2	25	5·4	24	2·2	r23	1·3	2·1
5	12	1·8	11	1·9	05	2·2	10	2·9	12	1·4	11	1·0	06	2·5	06	2·2	06	2·2	04	2·8	05	3·7	31	8·7	25	5·3	24	0·9	17	1·1	2·2
6	11	2·4	11	2·0	10	1·8	10	2·9	12	1·1	11	1·4	06	2·3	08	2·4	06	2·9	09	2·5	05	2·4	32	8·6	25	5·1	r12	1·1	13	0·6	2·1
7	11	3·0	10	1·8	07	1·5	10	2·6	12	1·1	05	1·5	05	3·2	06	3·3	06	3·1	09	2·0	03	3·8	32	9·3	25	5·5	12	0·9	13	1·0	2·3
8	11	2·8	05	2·6	09	2·7	11	2·9	07	1·6	05	4·0	05	5·2	06	5·0	06	4·8	03	3·2	02	4·1	31	8·0	25	5·3	d21	1·6	d26	2·3	3·1
9	08	3·7	06	3·4	07	4·1	08	3·7	04	3·2	05	3·9	04	5·1	06	6·1	05	5·6	07	1·9	01	4·7	32	7·2	24	4·0	21	3·2	25	3·0	3·5
10	06	3·7	07	3·5	09	4·2	07	3·8	03	4·1	05	3·9	04	5·4	06	5·8	06	5·5	08	2·1	01	5·4	32	8·2	23	5·5	22	4·8	21	2·6	3·9
11	08	3·3	06	4·1	06	4·2	06	4·1	03	4·1	07	4·1	04	5·1	06	5·8	05	5·7	07	2·4	32	5·3	32	8·6	22	5·7	21	4·2	23	3·3	4·1
Noon	10	3·4	06	3·9	05	4·4	07	4·0	31	4·2	05	4·4	04	5·4	09	5·8	05	6·3	31	1·5	01	4·0	31	9·9	23	5·2	24	5·2	21	3·0	4·5
13h	09	4·3	03	4·3	07	3·8	06	3·5	01	4·4	04	4·3	03	4·8	06	5·4	06	5·7	03	3·7	32	6·2	30	7·5	24	5·5	23	4·9	24	2·8	4·6
14	12	4·6	04	4·0	06	2·8	05	3·4	01	4·2	05	4·6	04	5·5	06	5·1	06	5·4	32	3·4	32	5·9	31	8·2	24	5·6	24	4·8	25	2·8	4·4
15	09	3·7	04	4·0	06	4·6	05	3·3	31	4·1	03	4·6	04	4·8	06	5·0	05	5·8	01	2·6	32	3·5	31	8·6	24	6·8	24	5·8	25	3·5	4·2
16	09	3·4	05	3·1	08	2·8	05	3·7	32	3·8	04	3·8	06	3·3	07	5·1	06	4·8	01	4·6	01	3·8	30	10·1	22	5·3	21	4·0	25	2·7	4·0
17	10	2·1	06	2·7	06	2·3	05	3·1	32	3·4	04	3·9	08	3·8	06	4·4	03	4·4	01	3·6	02	3·9	29	8·6	23	5·3	22	4·4	27	2·7	3·5
18	12	3·5	07	2·3	07	2·0	06	2·0	01	3·1	06	3·1	06	3·5	08	4·0	04	4·7	01	3·0	02	3·9	28	8·1	21	5·3	23	4·2	22	1·4	3·3
19	09	2·7	07	1·8	08	2·4	07	1·3	02	1·5	06	2·4	05	3·3	06	3·9	05	3·6	03	2·1	32	5·7	29	7·3	20	2·6	24	2·2	23	1·2	2·7
20	10	3·1	07	1·2	11	3·3	07	1·8	02	1·6	06	1·1	07	2·2	06	2·7	05	3·4	04	2·3	32	6·4	27	6·0	20	1·8	25	1·5	15	1·4	2·4
21	11	2·4	07	0·9	10	2·9	07	1·3	04	1·1	06	1·3	07	3·0	08	3·0	03	2·8	04	2·8	32	6·9	27	5·9	21	1·3	25	1·4	15	1·3	2·2
22	11	1·8	10	3·7	12	1·6	07	1·1	d17	1·0	06	1·9	08	2·2	06	3·2	07	1·8	04	3·0	32	7·3	29	5·4	21	1·5	26	1·1	15	1·2	2·1
23	11	2·0	11	1·8	12	1·5	11	1·7	12	1·3	06	2·0	08	1·9	06	3·6	06	2·3	03	3·1	32	7·4	27	3·9	26	2·1	26	0·9	15	1·1	2·1

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), JANUARY, 1935.

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	30	2	...	1	1	8	2	13	1	...	...	1	...	...	...	2	...
9	...	4	27	2	1	5	4	10	1	3	...	...	..	1	...	3	...	1	...
15	...	5	26	5	...	6	3	6	1	...	.	1	...	4	...	5	...	...	...
21	...	2	29	1	...	3	1	7	6	7	...	1	...	2	...	1	...	2	...
Totals	...			10	1	15	9	31	10	23	1	2	...	8	.	1	...	5	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JANUARY 1935.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of JANUARY 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	7·66	194·6	8·23	15
*	St. Antoine	50	10·06	255·5	6·98	11
*	Belmont	50	11·13	282·7	7·69	11
*	Poudre d'Or	20	11·85	301·0	7·09	11
	Mon Loisir S. E.	300	10·92	277·4	8·18	17
	Forbach	300	..	...	8·43	...
*	Couroupa	...	8·07	205·1	11·33	11
*	Labourdonnais	290	...	...	8·96	...
	Mapou	...	10·19	258·8	..	12
	Beau Séjour	300	9·83	249·7	9·51	15
	Mont Piton	650	10·17	258·3	10·47	15
	Mon Choix	700	9·61	244·1	10·42	15
	Antoinette	640	12·25	311·1	9·88	16
	Mon Songe	620	12·26	311·4	10·08	15
*	Botanical Gardens ...	325	12·16	308·9	9·59	21
	The Observatory	179	15·22	286·5	8·16	21
	Solitude	175	11·50	292·0	6·96	16
	Triolet	...	6·79	172·7	...	7
	St. André	90	...	...	7·79	...
	La Nicolière	...	14·86	377·4	13·17	...
	California	...	...	...	9·76	14
	Australia	...	...	...	..	...
2 & 3	Union Régnard S.E. (Flacq)	600	14·55	369·6	9·87	16
	Constance d'Arifat L.G. ...	100	11·25	285·7	8·94	16
	Rich Fund	600	13·09	332·5	10·96	16
	La Joffrette	...	...	...	...	...
	Belle Vue (Allendy) ...	...	12·42	315·5	11·28	12
4 *	Sans Souci	900	17·68	449·1	16·53	19
	Beau Champ (G.R.S.E.) ..	20	10·00	254·0	8·12	12
	Olivia	400	13·49	342·6	11·33	14
	Trois Ilots	...	12·78	324·6	...	12
	Belle Rive	400	14·82	376·4	14·28	17
	Sébastopol	700	17·71	449·8	...	13
	Bonne Veine	400	24·96	334·0	18·33	18
5	Rose Belle	850	20·16	512·1	18·04	22
	New Grove	650	18·81	477·8	...	18
	Mon Trésor	...	10·23	259·8	...	14
	Mon Désert (Carié) ...	75	8·83	224·3	7·85	14
	Ferney	20	15·53	394·5	12·35	17
	Sauve Terre	...	9·86	250·4	...	15
6	Tivoli	1,300	18·23	463·0	15·63	22
	La Flora	1,050	17·42	442·5	17·58	22
6	Riche Bois (Brit.) ...	650	8·45	214·6	15·21	18
	Britannia (Estate) ...	700	10·06	255·5	13·33	18
	Savannah (Mill) ...	200	6·63	168·4	10·89	12
	St. Aubin	300	9·73	247·1	10·76	12
	St. Avold	900	13·76	349·5	14·05	21
	Colmar	400	10·22	259·6	12·85	15
	Union S. E.	...	10·15	257·8	9·86	12
	Fontenelle	320	9·45	240·0	10·77	11
	Choisy	200	10·32	262·1	10·35	15
	Beau Bois	...	11·64	295·6	10·73	14
	Bel Air	...	8·94	227·1	9·67	12
	St. Félix	...	11·16	283·5	...	13
7,8,9&10	Bel Ombre	40	6·50	165·1	9·25	14
	Beau Champ (B. du Cap)	70	7·83	198·9	8·66	10
	Frédérica	...	8·98	228·1	...	12
	Pierre Fond	...	16·21	411·7	10·51	16
	Ste. Marie	...	9·43	239·5	...	9
	Hussonia Limited ..	...	10·05	255·3	...	11
11	Curepipe Gardens ...	1,840	20·72	526·3	16·71	29
	Mare aux Vacoas (G.E.)	1,850	20·71	526·0	19·51	24
	Mare aux Vacoas (Arn.)	1,830	21·13	536·7	17·85	24
	La Marie Filter Bed ...	1,700	18·15	461·0	14·87	20
*	Sophie	...	19·53	496·0	...	17
	Réunion	1,420	16·26	413·0	13·10	22
*	Aerological Station ...	1,393	16·32	414·4	13·40	23
	Phœnix	...	15·26	386·6	12·76	19
	Quatre Bornes... ...	...	12·39	314·7	...	10
12	Quatre Bornes (Board) ...	1,090	16·02	406·9	...	13
*	Le Réduit (D. of A.) ...	1,000	9·55	342·5	10·00	27
	Alma	1,460	26·42	671·1	17·88	23
	Bagatelle	1,250	21·18	538·0	11·66	20
	Highlands	1,300	19·41	493·0	14·10	21
	Trianon	950	13·44	341·4	10·30	18
	Val Ory	1,100	...	...	10·65	...
	Bassin	...	15·02	381·5	10·56	15
	Hermitage	1,450	14·25	361·9	17·16	20
	Ebene	...	13·64	346·4	...	18
	Bega	...	16·32	414·5	...	18
	Mon Rêve	...	17·65	448·3	...	16
	Mont Pevril	...	16·89	429·0	...	17
	Minissy	1,150	19·59	497·6	12·30	17
	Plaisance	...	8·15	207·0	...	11
	La Ferme	350	10·63	270·0	8·52	15

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 1935.

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	...	...	67	10·3	352	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	9¾	...	...	45	6·2	...	...	...	...	...	...	...	...	14¼	...	...	133	4·2*	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	105	5·7*	88	5·4*	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	14	135	13·7	120	9·0	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	...	...	170	7·3*	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	...	...	210	...	180	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	50	4·0*	110	2·4*	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	11¾	15	14·8	30	3·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	9½	45	13·4	60	13·4	...	...	...	...	...	...	180	...	14¾	...	...	45	9·0	180	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	13¼	65	9·0*	65	5·5*	...	...	...	...	230	0·9*	...	...
24	10	75	46·9	75	12·3	...	...	...	...	...	...	240	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	65	...	55	13·4*	335	1·1*	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

FEBRUARY, 1935

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

Director

Published by Authority of His Excellency the Governor

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1935

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF FEBRUARY 1935.

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)
FEB.	° ′			′		
1	12°54·1	.22533	.29703	6·3	80	20
2	55·8	513	707	7·3	75	10
3	55·4	521	704	8·5	75	26
4	55·7	534	702	8·3	13	18
5	56·0	542	695	8·5	27	25
6	55·5	551	696	9·0	45	13
7	55·2	551	693	10·5	34	19
8	56·0	541	696	8·5	32	14
9	55·8	549	695	8·0	32	9
10	55·5	540	695	6·6	33	18
11	56·3	544	692	4·3	18	17
12	55·2	540	692	4·3	26	6
13	56·1	536	692	6·5	46	17
14	55·6	514	698	6·0	62	14
15	55·8	523	696	7·2	20	14
16	56·0	527	695	7·0	32	16
17	55·9	534	694	5·5	15	12
18	55·2	539	691	5·0	35	10
19	55·8	543	688	8·0	23	20
20	55·5	551	689	5·8	37	11
21	55·7	541	693	5·8	32	7
22	55·7	538	692	5·8	24	11
23	55·6	544	690	8·0	9	17
24	56·0	530	693	8·0	55	15
25	55·9	535	693	5·5	48	15
26	56·1	530	690	7·5	55	19
27	55·9	539	690	5·0	32	12
28	55·8	539	687	5·0	16	18
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
Mean	12°55·7	·22537	·29694	6·46	36·8	15·1

Description of the Principal Magnetic Disturbances.

Declination.—13d. Disturbed; minor pulsations between 6^h. and 10^h.; at $19^h.45^m$. sharp $-^{ve}$ wave of 3^l. 14d. Irregular fluctuations at beginning; at $3^h.15^m$. sharp negative wave of $3^l.7$. 16d. Minor pulsations at end.

Horizontal Force.—1d. Slightly disturbed; large regular decrease at end. This disturbed period more accentuated during the 2nd and 3rd. Sharp positive wave between $7^h.30^m$. and $8^h.30^m$. on 2nd; irregular fluctuations at end. Large but regular decrease from 12^h. on 3d., with minimum at 17^h. 6d. Slightly disturbed between 9^h. and 14^h. 13d. 15^h. beginning on a very disturbed period ending early on 15d. 14d. Between 0^h. and 1^h. sharp peak positive wave (47γ) followed at $3^h.45^m$. by a similar one of (43γ); small irregular fluctuations superposed on a large decrease. 16d. at end a succession of two rapid waves of amplitudes (20γ). 18d. at $23^h.30^m$. positive wave (25γ). 21d. Slightly disturbed; sharp peak wave at $15^h.30^m$. (43γ). 24d. Slightly disturbed at beginning and end. 25d. and 26d. Slightly disturbed.

Vertical Force.—1d. Minor irregular pulsations at times. 2d. Slightly disturbed at end. 3d Large regular increase from 12^h. culminating at $17^h.15^m$. in two small successive waves. 6d. Minor pulsations between 11^h. and 14^h. 13d. Minor pulsations from 2^h. mark the beginning of the corresponding disturbed period in *H. F.* At $19^h.40^m$. sharp positive wave (7γ). 14d. $0^h.30^m$. negative wave (8γ) following by continuous pulsations. Irregular fluctuations of small amplitude between 14^h. and 18^h. 16d. A succession of small $+^{ve}$ waves at end. 18d 23^h. Rapid increase (5γ). 19d. Large but regular decrease from 7^h. 21d. Small pulsations at times; at $15^h.30^m$. rapid increase (7γ). 24d., 25d., 26d. Slightly disturbed. Small frequent irregular fluctuations.

T=·37278: Mean Dip=52° 48′·13: (X=·21966: Y=−·05042: Z=·29694).
† 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 1935.

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	° ′	
FEB. 1·14·47	12 50·77	FEB. 6· 9 29	·22578	FEB. 1·14·55	52·48·44	·29700
8·13·27	12 53·40	9· 9·15	·22559	8·13·40	52·48·25	29681
12·13·18	12 53·44	13· 9·32	·22541	12·13·29	52·47·00	·29687
15·13·59	12 54·06	16· 9·02	·22528	15·14·10	52·48·70	·29694
26·13·30	12 55·71	21· 9·21	·22547	26·13·38	52·49·00	.29690
		23 8·57	·22549			

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

FEBRUARY 1935.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	55·7	56·5	57·0	56·0	55·0	55·5	55·5	55·3	55·7	55·5	56·5	55·5	55·5	56·0	55·3	55·5	Midnight
1h	56·0	57·0	56·7	56·3	55·5	56·0	55·5	55·5	55·5	55·5	56·5	55·7	55·5	54·5	55·0	56·0	1h
2	56·2	57·0	57·0	56·5	56·0	56·0	56·0	55·5	56·0	55·5	56·0	56·0	55·7	56·0	55·5	55·7	2
3	56·3	58·0	57·0	57·0	57·0	57·0	56·0	55·5	56·0	56·0	56·5	56·0	56·3	55·0	56·0	56·0	3
4	56·0	58·5	57·5	57·5	57·0	57·0	56·5	56·0	56·0	56·0	56·5	56·0	56·5	56·5	56·0	56·5	4
5	56·0	59·5	58·0	58·0	57·3	58·0	57·0	57·0	56·5	56·0	57·0	56·0	56·5	58·0	57·0	56·7	5
6	56·0	60·0	58·5	58·5	58·0	58·0	58·0	58·0	56·5	55·5	57·0	56·0	57·5	56·5	59·0	57·5	6
7	55·7	60·0	59·5	58·7	60·0	58·5	59·0	58·0	56·0	56·0	58·0	56·7	59·0	57·0	59·5	60·0	7
8	55·0	56·0	59·5	59·0	60·5	58·7	60·0	59·0	58·0	57·0	58·5	57·0	59·5	58·0	58·0	60·5	8
9	54·0	53·5	57·0	57·0	59·5	59·5	60·5	60·0	59·5	57·0	59·0	56·5	58·5	54·5	55·5	58·7	9
10	52·5	53·0	55·0	56·0	57·5	57·5	57·0	60·0	60·0	57·3	58·0	56·5	56·0	54·5	55·5	57·0	10
11	51·0	53·0	53·0	55·0	56·0	55·0	55·0	59·0	58·5	57·3	57·5	56·0	54·0	53·0	54·0	54·5	11
Noon	50·0	52·7	51·5	54·0	54·5	53·0	52·5	57·0	56·5	57·0	56·5	55·0	53·0	52·0	52·5	53·5	Noon
13h	50·0	52·7	51·0	51·5	52·5	51·0	50·0	54·0	54·0	56·5	55·0	53·5	53·5	52·5	54·0	53·5	13h
14	50·0	53·0	52·0	50·7	52·0	50·5	50·0	52·5	53·0	54·5	55·0	53·0	55·3	54·5	54·5	54·0	14
15	51·5	54·0	52·5	52·0	53·0	51·0	50·5	51·5	52·0	52·5	55·0	53·3	56·3	56·0	55·5	54·5	15
16	52·8	54·5	53·0	54·0	54·0	54·0	52·0	52·5	52·5	50·7	55·0	52·7	56·0	57·0	55·7	54·7	16
17	53·5	55·3	54·5	55·5	55·0	55·5	54·0	53·5	54·0	52·0	54·7	53·0	56·0	58·0	56·0	55·0	17
18	54·2	55·5	54·7	56·5	55·5	56·5	55·0	55·0	55·0	53·5	55·0	53·5	55·3	56·5	55·5	55·0	18
19	54·7	56·0	54·5	55·7	55·5	56·0	54·7	55·5	55·5	54·7	55·3	54·7	55·5	56·0	55·7	56·0	19
20	54·5	55·5	55·0	55·5	56·0	55·0	54·5	56·0	55·5	55·3	55·3	55·0	56·5	56·0	56·5	55·5	20
21	55·2	55·5	55·0	55·0	55·5	55·0	55·0	56·0	55·5	56·7	55·5	55·3	55·3	56·0	56·0	55·5	21
22	55·5	55·5	55·0	55·0	55·5	54·5	54·7	55·5	55·5	56·5	55·5	55·3	56·0	55·5	56·0	56·0	22
23	56·0	57·0	55·5	55·0	55·5	54·3	55·2	55·5	55·5	56·0	55·5	55·5	57·5	55·5	56·0	55·0	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day \ Hour
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	55·5	55·5	55·0	55·3	55·5	55·5	55·0	56·7	58·0	56·0	56·3	56·0	...	...	...	55·8	Midnight
1h	55·5	55·0	56·0	55·5	56·0	55·5	55·5	56·7	58·5	55·7	56·5	56·2	...	...	...	55·9	1h
2	56·0	55·5	56·5	55·5	56·5	56·0	55·5	55·5	57·3	55·5	56·5	56·0	...	...	...	56·0	2
3	56·5	55·5	56·0	55·7	56·0	56·3	55·7	54·0	57·0	55·8	56·3	56·0	...	...	...	56·2	3
4	56·5	56·0	56·0	56·0	56·5	55·5	55·7	55·5	56·5	55·7	55·7	56·0	...	...	...	56·4	4
5	56·0	56·0	57·0	56·7	55·5	55·5	56·0	55·5	55·0	55·5	55·7	56·3	...	...	...	56·6	5
6	57·0	56·5	57·5	57·0	56·5	56·5	56·5	56·0	54·0	55·5	56·0	56·3	...	...	...	57·0	6
7	59·5	57·0	60·0	58·0	58·5	58·0	58·0	57·5	55·5	56·5	57·0	57·0	...	...	...	58·0	7
8	58·5	57·5	60·5	58·5	58·5	58·5	59·5	59·0	56·5	59·0	57·5	58·0	...	...	...	58·4	8
9	56·0	57·0	58·5	58·3	57·0	58·5	59·0	59·5	57·0	59·5	58·5	58·0	...	...	...	57·8	9
10	55·0	56·0	56·0	56·5	55·0	57·0	56·5	59·0	57·0	58·7	58·5	57·5	...	...	...	56·7	10
11	54·5	54·5	54·5	55·0	55·0	55·0	55·5	58·5	57·3	59·0	58·0	57·0	...	...	...	55·6	11
Noon	54·0	53·0	53·5	54·5	53·5	55·0	54·0	57·5	57·0	59·0	56·5	56·0	...	...	...	54·5	Noon
13h	54·0	52·5	53·0	53·0	53·0	53·5	52·5	55·0	54·0	57·0	55·5	55·3	...	...	...	53·3	13h
14	54·5	52·5	52·5	52·7	53·0	52·7	51·5	53·0	53·0	54·0	54·0	54·0	...	...	...	52·9	14
15	55·5	53·0	52·5	53·0	52·7	53·0	52·7	51·5	53·0	53·0	53·5	53·0	...	...	...	53·1	15
16	57·0	53·5	54·5	54·0	54·0	54·0	53·5	51·5	53·0	52·0	53·5	53·0	...	...	...	52·8	16
17	57·0	54·5	55·0	55·0	55·5	55·5	55·0	53·0	54·5	54·0	54·0	54·0	...	...	...	54·7	17
18	56·5	55·0	55·5	55·5	56·0	56·5	55·5	54·7	55·3	55·0	54·7	54·5	...	...	...	55·3	18
19	56·0	55·5	56·0	55·5	55·5	56·3	56·0	56·0	55·7	55·0	55·5	55·0	...	...	...	55·5	19
20	55·5	55·5	56·0	55·5	56·5	56·0	56·3	56·5	56·5	55·5	55·5	55·3	...	...	...	55·7	20
21	55·5	55·5	55·5	55·3	56·5	56·0	56·3	57·0	56·5	56·5	55·7	55·5	...	...	...	55·7	21
22	55·3	55·5	55·5	55·5	56·5	55·5	56·3	57·5	56·0	55·5	55·7	55·7	...	...	...	55·7	22
23	55·3	55·5	55·3	54·7	56·0	55·3	56·5	57·5	56·0	56·5	55·7	56·0	...	...	...	55·7	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 1935.

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	540	495	490	527	540	540	540	545	543	535	539	542	539	510	523	520	Midnight
1h	541	500	507	530	540	541	542	543	543	540	539	540	540	545	527	520	1h
2	542	505	515	530	542	541	545	542	549	540	540	543	543	520	523	520	2
3	547	510	520	531	543	547	547	545	549	538	542	543	550	530	523	525	3
4	549	515	522	532	545	543	545	550	550	540	543	543	550	547	525	527	4
5	547	530	523	530	543	547	547	547	547	540	545	550	549	525	525	530	5
6	549	535	525	530	550	550	550	550	555	542	547	545	550	535	527	530	6
7	553	537	525	531	552	561	561	557	554	533	551	541	557	538	523	529	7
8	556	550	523	529	553	560	562	555	558	535	548	540	550	530	520	527	8
9	555	533	530	527	557	565	562	548	562	532	549	542	549	513	522	525	9
10	562	530	553	530	556	580	563	543	565	538	550	543	545	515	521	525	10
11	565	525	560	531	557	582	565	537	564	558	555	545	541	510	520	523	11
Noon	553	526	550	538	557	570	558	531	563	560	557	549	540	508	525	540	Noon
13h	550	531	530	540	550	563	560	526	560	550	547	547	535	500	529	547	13h
14	545	525	520	540	540	557	560	525	558	545	541	538	535	507	530	546	14
15	537	510	505	540	535	548	560	530	552	542	540	537	542	490	530	533	15
16	525	498	485	539	535	546	555	535	550	543	540	535	527	570	530	525	16
17	524	495	485	540	532	542	547	540	540	545	540	523	517	585	527	515	17
18	510	503	515	540	530	541	531	540	539	548	540	527	525	490	525	520	18
19	507	500	520	535	530	542	540	533	540	540	543	538	513	503	520	517	19
20	495	505	515	535	530	540	543	532	538	525	543	540	532	517	510	525	20
21	490	497	515	537	532	540	547	538	537	527	542	537	525	507	510	527	21
22	485	481	523	537	533	535	550	540	533	530	542	533	515	520	520	515	22
23	490	475	530	535	535	537	547	546	533	535	542	533	520	505	523	530	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	530	534	552	545	543	535	543	537	502	552	525	537	...	...	...	532·3	Midnight
1h	533	543	535	547	542	553	543	530	503	553	527	539	...	...	...	535·2	1h
2	535	540	532	548	538	547	542	540	516	555	525	538	...	...	...	535·6	2
3	535	540	540	549	545	540	543	555	522	555	527	538	...	...	...	538·5	3
4	535	535	542	550	547	540	547	547	525	555	532	539	...	...	..	540·0	4
5	537	536	540	550	550	547	545	553	530	550	533	537	...	...	...	540·5	5
6	532	540	541	551	552	543	545	552	540	554	535	537	...	...	...	542·6	6
7	530	545	542	555	547	535	548	553	545	553	538	535	...	...	...	543·9	7
8	531	552	545	558	547	533	545	552	545	545	540	533	...	...	...	543·6	8
9	535	555	550	555	555	533	545	548	542	542	540	531	...	...	...	542·9	9
10	535	558	552	556	553	538	543	547	542	545	550	535	...	...	...	545·5	10
11	540	550	553	560	553	535	543	550	537	535	552	540	...	...	...	545·9	11
Noon	541	545	555	565	552	533	547	548	525	527	552	541	...	...	...	544·9	Noon
13h	542	535	550	567	543	535	548	540	533	520	557	543	...	...	...	542·1	13h
14	540	527	550	563	545	531	546	530	535	520	557	547	...	...	...	539·4	14
15	539	523	545	560	540	529	544	515	532	515	550	543	...	...	...	534·5	15
16	540	532	547	557	530	530	540	503	532	505	543	542	...	...	...	530·0	16
17	533	535	542	553	541	535	543	510	536	500	538	541	...	...	...	528·7	17
18	528	535	537	547	535	537	543	506	540	512	534	542	...	...	...	529·3	18
19	527	533	538	538	527	540	544	503	540	505	535	542	...	...	...	528·3	19
20	529	529	539	530	530	540	547	510	543	505	534	540	...	...	...	528·6	20
21	527	530	537	535	531	537	543	500	545	512	533	539	...	...	...	527·7	21
22	530	532	535	540	523	535	545	510	547	512	532	540	...	...	...	527·6	22
23	533	545	540	550	525	540	537	505	550	515	535	540	...	...	...	529·7	23

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

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

FEBRUARY, 1935

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	700	713	713	705	701	698	698	697	697	697	697	693	693	697	697	695	Midnight
1h	700	711	708	704	700	698	697	697	697	696	697	693	694	693	697	696	1h
2	700	710	707	704	700	697	697	697	696	696	697	694	694	697	698	697	2
3	700	712	707	703	699	697	697	695	696	696	697	694	695	696	698	697	3
4	700	712	707	704	699	697	696	694	695	696	696	694	694	697	698	697	4
5	700	710	707	705	699	697	697	696	695	696	696	694	695	700	699	697	5
6	700	710	708	705	700	698	697	696	695	695	697	693	696	699	700	699	6
7	700	707	709	707	703	698	700	697	696	696	698	694	700	697	705	703	7
8	698	703	704	709	702	700	701	698	698	699	699	694	698	697	705	700	8
9	697	703	695	709	697	698	699	700	698	703	698	693	692	691	698	694	9
10	696	704	687	706	692	690	692	701	697	700	695	693	683	691	694	689	10
11	693	705	690	700	686	687	685	697	693	697	693	694	683	692	692	687	11
Noon	694	708	691	693	678	687	684	692	693	695	688	690	683	692	691	687	Noon
13h	697	705	693	691	678	689	682	687	689	694	686	688	687	694	693	689	13h
14	699	703	697	691	683	693	683	687	691	687	683	689	693	698	693	691	14
15	704	704	703	696	688	697	685	690	694	685	682	689	693	704	693	692	15
16	707	705	708	700	692	698	687	694	692	686	684	691	692	705	692	694	16
17	709	705	713	703	693	697	690	697	694	689	686	691	692	704	691	696	17
18	710	705	708	703	694	697	694	697	696	694	688	691	689	702	691	695	18
19	710	704	707	702	696	696	693	697	695	696	691	692	693	701	694	697	19
20	709	706	707	702	697	697	694	697	695	697	692	693	693	700	697	696	20
21	711	707	708	702	699	699	695	697	696	698	692	693	693	700	697	697	21
22	712	712	708	703	698	698	697	697	697	697	693	693	695	697	698	697	22
23	713	713	706	703	698	698	698	697	697	697	694	693	698	696	696	695	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	695	693	691	691	692	694	692	693	700	691	695	691	...	...	...	696·7	Midnight
1h	694	692	692	690	692	692	692	694	699	691	695	691	...	...	...	696·1	1h
2	695	693	692	690	692	692	691	693	697	691	694	691	...	...	...	696·1	2
3	694	693	692	690	691	691	691	689	696	691	694	691	...	...	...	695·8	3
4	695	693	691	690	691	691	691	691	693	690	693	690	...	...	...	695·5	4
5	696	694	692	690	691	691	691	691	692	690	692	690	...	...	...	695·8	5
6	697	695	695	691	691	693	692	691	691	690	692	690	...	...	...	696·3	6
7	701	695	699	693	695	696	695	692	692	691	693	692	...	...	...	698·0	7
8	696	693	692	694	694	697	698	695	697	697	693	693	...	...	...	698·0	8
9	691	692	683	693	692	695	694	696	696	698	692	693	...	...	...	695·8	9
10	691	691	679	688	693	691	685	693	698	695	686	690		...	...	692·5	10
11	689	689	681	684	693	690	681	691	694	691	687	687	...	...	...	690·4	11
Noon	689	686	682	683	691	691	681	690	692	689	687	684	...	...	...	689·0	Noon
13h	689	685	681	685	689	689	682	687	685	684	683	679	...	...	...	687·9	13h
14	690	686	680	686	688	686	683	685	686	680	684	676	...	...	...	688·3	14
15	693	686	681	684	689	689	687	685	690	679	687	675	...	...	...	690·1	15
16	694	689	683	684	695	690	690	688	690	680	686	676	...	...	...	691·9	16
17	694	691	686	685	695	690	691	691	691	686	686	681	...	...	...	693·5	17
18	693	692	689	689	694	691	691	696	691	690	687	685	...	...	...	694·4	18
19	693	693	691	690	693	691	691	697	692	691	690	686	...	...	...	695·1	19
20	694	693	691	692	695	692	691	696	691	695	690	687	...	...	...	695·7	20
21	694	694	692	693	695	693	692	697	692	695	691	687	...	...	...	696·4	21
22	695	693	693	694	695	693	692	700	691	696	691	689	...	...	...	696·9	22
23	693	694	693	692	695	693	693	698	692	696	691	689	...	...	...	696·8	23

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of FEBRUARY 1935.

Month and day 1935.	Observations at 10 a.m.									Temperature of the Air.									
	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 of Rain measured at 10 a.m.	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.	hrs.	%
1	967·7	27·5	4·0	20·8	67	24·3	Calm		7	20·4	27·0	24·6	23·3	28·9	19·0	9·9	16·8	5·5	42
2	969·0	26·5	3·0	21·4	73	25·2	70	2·2	7	22·0	23·1	27·6	23·4	28·0	22·1	5·9	25·3	4·9	38
3	968·4	24·7	0·8	23·3	92	28·3	100	2·7	7	22·2	24·5	27·8	22·5	28·7	21·8	6·9	10·4	9·1	71
4	966·6	25·4	2·5	21·1	77	24·8	90	1·3	9	21·3	25·0	25·7	21·5	28·0	21·0	7·0	8·4	7·2	56
5	964·2	24·9	2·0	21·5	81	25·4	75	2·2	8	21·6	24·0	22·7	20·8	25·6	21·0	4·6	8·1	1·9	1
6	963·2	24·5	2·6	20·0	76	23·2	95	4·0	8	20·6	23·6	25·5	21·6	27·3	20·0	7·3	30·8	7·0	69
7	962·6	24·9	2·6	20·4	76	23·7	115	1·3	7	21·3	24·9	26·0	22·6	28·0	20·1	7·9	1·4	9·7	75
8	961·8	26·3	3·1	21·1	73	24·8	Calm		8	22·0	26·0	28·0	23·2	28·9	21·0	7·9	0·2	4·8	48
9	960·8	26·3	2·5	22·1	78	26·3	210	1·3	5	22·4	24·3	27·4	24·0	28·2	22·0	6·2	5·2	9·8	77
10	961·4	26·5	2·8	21·1	75	25·9	285	0·9	8	22·7	25·3	26·9	24·3	28·6	21·4	7·2	0·1	4·4	34
11	963·5	25·9	3·6	19·8	69	22·9	285	0·5	8	23·5	24·8	28·0	24·8	28·6	22·6	6·0	0·6	9·4	73
12	965·6	26·9	3·1	21·7	73	25·7	325	1·3	9	23·7	25·1	29·0	24·0	30·2	22·9	7·3	1·6	9·1	71
13	965·8	27·5	3·6	21·5	70	25·4	45	0·9	7	22·2	26·6	29·0	24·0	29·9	21·5	8·4	0·0	9·4	73
14	965·9	25·7	5·4	19·9	70	23·0	60	0·5	9	23·1	25·5	23·0	23·0	28·2	22·4	5·8	1·2	2·9	23
15	964·1	25·5	3·2	20·0	72	23·2	75	5·4	5	21·4	25·0	26·0	22·2	27·9	21·3	6·6	35·1	10·0	79
16	963·6	24·5	1·6	21·8	85	25·9	65	5·4	9	21·3	24·5	25·2	21·9	26·5	21·6	4·9	8·5	3·1	24
17	963·7	20·9	0·6	19·8	94	22·9	75	2·7	10	22·0	21·5	24·1	22·0	25·3	20·8	4·5	15·4	0·7	1
18	962·6	24·9	2·2	21·1	79	24·8	70	4·9	10	21·8	24·5	22·8	20·4	26·6	20·8	5·8	16·5	1·0	1
19	961·9	22·9	0·8	21·5	92	25·4	80	7·2	10	21·0	22·2	22·0	21·0	26·0	20·5	5·5	56·9	1·4	1
20	964·0	24·5	2·3	20·5	82	23·9	80	8·9	6	21·1	22·6	25·7	22·0	26·9	21·4	5·5	58·7	9·0	71
21	964·9	26·2	2·4	22·1	78	26·3	80	6·3	10	21·9	23·2	24·6	23·2	27·4	21·8	5·6	4·0	6·6	52
22	964·6	23·3	0·9	21·7	91	25·7	75	5·4	10	22·9	23·3	24·5	23·3	25·3	22·5	2·8	9·1	3·8	30
23	964·6	25·6	2·3	21·7	79	25·7	65	7·2	7	23·0	24·7	26·7	23·2	27·6	22·5	5·1	7·7	7·7	61
24	964·5	25·1	1·6	22·4	85	26·8	70	4·0	9	23·0	24·2	26·9	23·0	27·6	22·3	5·3	2·5	9·8	78
25	962·6	25·5	3·8	19·0	67	21·8	110	2·7	3	22·0	24·7	27·3	22·2	28·4	21·5	6·9	0·1	10·8	86
26	958·1	25·0	2·5	21·5	77	25·4	115	6·3	7	21·7	23·3	24·6	23·8	26·6	21·4	5·2	0·0	4·5	36
27	950·9	23·9	0·8	22·5	92	27·0	115	10·7	10	22·6	23·0	23·0	23·0	25·0	22·4	2·6	67·0	0·0	0
28	943·7	23·5	0·6	22·5	94	27·0	210	11·2	10	22·2	22·4	22·9	22·9	24·3	21·3	3·0	202·3	0·0	0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	962·9	25·2	2·3	21·2	79·1	25·0	° ...	4·1	7·9	22·0	24·2	25·6	22·7	27·4	21·4	6·0	503·9	5·84	45·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	41·0mbs.	Amount of rain	—	269·9mms.
Temperature of the Air	+	2·6°C	Duration of sunshine	+	33·6hrs
Vapour Tension	+	3·3mbs.	Mean of highest temperatures	+	1·9°C
Relative Humidity	—	2·6%	,, lowest temperatures	+	2·1°C
Velocity of Wind	—	0·3mps.	Absolute highest temperature	+	1·0°C
Amount of Cloud	—	0·7	,, lowest temperature	+	3·3°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1935.

Month and Day 1935.	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		
FEB.	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	1008·3	+ 3·8	31·1	22·6	8·5	26·6	+ 0·7	2·3	22·7	+ 0·9	79	+ 1	27·3	21·2	11·9	20	7·0	4·3
2	1009·7	+ 5·3	30·7	24·0	6·7	26·6	+ 0·7	2·0	23·2	+ 1·4	81	+ 3	28·1	22·8	2·0	10	9·7	7·0
3	1008·8	+ 4·4	29·7	23·4	6·3	26·4	+ 0·5	1·7	23·5	+ 1·7	84	+ 6	28·7	22·1	5·4	26	5·4	6·3
4	1006·6	+ 2·2	29·9	23·5	6·4	26·0	+ 0·1	2·1	22·5	+ 0·7	81	+ 3	27·0	22·0	0·5	5	6·4	5·8
5	1004·9	+ 0·6	27·3	22·5	4·8	24·5	− 1·4	1·0	22·8	+ 1·0	90	+ 12	27·5	21·6	15·3	67	5·3	8·1
6	1003·6	− 0·7	29·2	22·3	6·9	25·2	− 0·7	2·0	21·8	0·0	82	+ 4	25·9	21·8	0·3	7	6·3	7·8
7	1002·6	− 1·7	29·4	22·4	7·0	25·5	− 0·4	1·7	22·6	+ 0·8	84	+ 5	27·1	20·4	1·4	21	4·2	6·2
8	1001·5	− 2·8	30·4	23·9	6·5	26·2	+ 0·3	1·5	23·7	+ 1·9	86	+ 7	29·0	22·2	3·8	31	4·1	6·8
9	1001·1	− 3·2	30·2	23·1	7·1	26·5	+ 0·6	1·6	23·8	+ 1·8	85	+ 6	29·2	21·2	0·0	...	5·1	6·2
10	1002·6	− 1·7	29·8	23·4	6·4	26·7	+ 0·8	1·6	24·0	+ 2·0	85	+ 6	29·6	22·4	3·0	9	6·1	6·7
11	1004·3	0·0	30·2	23·6	6·6	27·5	+ 1·6	1·9	24·3	+ 2·3	83	+ 4	30·1	21·8	0·8	7	4·7	5·5
12	1006·4	+ 2·1	31·2	24·2	7·0	26·8	+ 1·0	1·5	24·3	+ 2·4	86	+ 7	30·1	22·0	0·0	...	5·3	5·5
13	1006·7	+ 2·4	31·0	23·0	8·0	27·1	+ 1·3	2·0	23·7	+ 1·8	82	+ 3	29·0	21·8	0·0	...	4·0	4·1
14	1006·5	+ 2·2	30·1	23·3	6·1	25·7	− 0·1	1·3	23·5	+ 1·6	88	+ 9	28·7	22·8	12·6	52	5·4	8·5
15	1004·5	+ 0·1	29·2	23·2	6·0	25·9	+ 0·1	2·4	21·8	− 0·1	66	− 13	25·9	21·2	4·2	19	4·9	5·8
16	1004·1	− 0·3	28·7	23·3	5·4	25·5	− 0·3	1·4	23·1	+ 1·2	87	+ 8	28·0	22·8	47·9	97	6·2	9·2
17	1004·4	0·0	27·3	23·7	3·6	24·5	− 1·3	0·8	23·1	+ 1·2	92	+ 13	28·0	22·0	61·1	184	8·0	9·8
18	1003·0	− 1·5	28·9	23·0	5·9	24·7	− 1·1	1·1	22·8	+ 0·9	89	+ 10	27·5	22·4	24·9	92	3·0	9·3
19	1002·8	− 1·7	28·3	23·2	5·1	25·3	− 0·5	1·7	22·4	+ 0·5	84	+ 5	26·8	21·8	16·3	70	2·2	9·6
20	1005·1	+ 0·6	28·9	24·2	4·7	26·2	+ 0·4	1·5	23·7	+ 1·8	86	+ 7	29·0	22·8	0·3	15	4·3	6·0
21	1005·2	+ 0·7	29·2	24·8	4·4	26·3	+ 0·5	1·9	23·1	+ 1·2	83	+ 4	28·0	23·2	2·9	67	4·7	6·0
22	1004·7	+ 0·1	28·7	24·0	4·7	25·7	0·0	1·3	23·5	+ 1·7	88	+ 9	28·7	23·8	23·8	105	5·3	8·5
23	1004·6	0·0	28·9	25·0	3·9	26·5	+ 0·8	1·8	23·5	+ 1·7	84	+ 5	28·7	24·0	0·7	14	4·4	7·4
24	1004·2	− 0·5	29·2	23·9	5·3	26·3	+ 0·6	2·0	22·9	+ 1·1	82	+ 3	27·6	22·8	0·4	3	5·2	4·2
25	1001·8	− 2·9	29·8	23·4	6·4	26·1	+ 0·4	2·3	22·2	+ 0·4	79	0	26·5	22·8	0·0	...	5·1	3·2
26	996·7	− 8·1	29·5	23·2	6·3	26·4	+ 0·7	2·4	22·3	+ 0·5	78	− 1	26·7	21·8	14·9	40	5·2	6·6
27	988·3	−16·5	27·2	23·8	3·4	25·6	− 0·1	1·3	23·4	+ 1·6	88	+ 9	28·5	23·0	29·1	312	2·8	9·8
28	985·1	−19·7	26·7	23·0	3·7	25·4	− 0·3	0·9	23·9	+ 2·1	92	+ 13	29·4	23·8	41·7	372	2·0	10·0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1003·1	− 1·4	29·3	23·5	5·8	26·0	+ 0·2	1·7	23·1	+ 1·2	84·1	+ 5·3	28·1	22·3	Sum 324·9	Sum 1651	5·1	6·9
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 1935.

During the first days of the month, Mauritius was under the influence of a high pressure system located South of the Island. At the same time, Northwards, a V shape depression was forming and moved Southerly over Mauritius on the 8th; this brought some rain daily, especially during the evening.

From the 11th onwards, a high pressure system is again found South of Mauritius and similar conditions prevailed. At the same time a disturbance formed in the Mozambique Channel and moved South. On the 15th and 16th a low pressure system was formed deepening to the North North West; and with the presence of an intense "high" moving North Eastwards from South Africa, the conditions brought about the formation of a cyclone some distance off the East coast of Madagascar in latitude 15° South. This centre passed over Tamatave at 00 G.M.T. on the 20th; the centre itself was broken up in crossing over Madagascar; it emerged in the Mozambique Channel on the 22nd as a shallow depression which moved South and disappeared. From the 23rd, another intense anticyclone was moving from the South African Coast and a cyclonic centre formed N.N.W. of Rodrigues on the 25th. This travelled W.S.W. approaching Mauritius from E.N.E. This centre skirted the East Coast of the Island on the 28th, after which it curved South and finally S.E. and disappeared.

Rainfall was abundant, a considerable amount fell from the 14th to the 19th with the North-Western depression. Humidity was also excessive during the month, the mean value being more than 5% above the average.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1935.

Month and Day 1934.	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
FEBRUARY	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h
1	10·1	78	1·9	− 1·5	24·5	26·4	27·2	28·2	b : bc : crr .
2	7·9	61	2·6	− 0·8	24·5	26·3	27·4	28·6	c : bc : c : cr .
3	9·7	75	2·4	− 1·0	24·6	26·2	27·7	28·6	bc : bcR : bc : bcr_o : bctsm : c : cr_or_o .
4	9·4	73	2·6	− 0·8	24·6	26·3	27·9	28·9	bc ; cr_o : c . bc .
5	3·9	30	2·3	− 1·1	24·6	26·3	28·0	28·9	bc : c : orr : o ; orr .
6	2·3	18	3·4	0·0	24·7	26·3	28·0	28·4	o : c : bcd_o : c : bc : bcd .
7	4·3	33	1·7	− 1·7	24·7	26·3	28·0	28·3	bc : cr_ort : cr_or_o : cr_o : bc .
8	9·3	73	1·3	− 2·1	24·7	26·1	28·0	28·4	c : bc : cr : bc : bcd : bd_o .
9	11·1	87	2·4	− 1·0	24·7	26·3	28·0	28·6	b : bc : c : bc : c : bc .
10	5·6	44	1·5	− 1·9	24·7	26·4	28·1	28·9	b : bc . c : orr : c .
11	12·0	94	1·6	− 1·8	24·7	26·3	28·2	28·9	b : bc : cr_or_o .
12	7·3	57	1·3	− 2·1	24·8	26·5	28·3	29·1	bc : bct : bctsm : b .
13	9·7	76	1·9	− 1·5	24·7	26·3	28·4	29·0	b : bc : c : bc .
14	4·8	38	2·1	− 1·3	24·7	26·3	28·5	29·2	bc : crr : bct : crt : orr : c .
15	11·0	87	3·1	− 0·3	24·8	26·8	28·5	29·2	c : bcd : bcd_od_o : bc : bcl : bcR .
16	5·6	44	3·3	− 0·1	24·7	26·7	28·5	29·0	cr : c : cR : crr : oRRt : o .
17	1·6	13	2·1	− 1·3	24·8	26·5	28·5	28·5	o : orrt : or_or_o : o R R tsm .
18	3·7	29	3·2	− 0·2	24·8	26·8	28·4	27·7	cr : c Rtsm : c : orr : o .
19	3·9	49	4·8	+ 1·4	24·9	26·7	28·2	27·5	c : crr : or_or_o : orr : o .
20	10·7	85	5·4	+ 2·0	24·8	26·8	28·1	27·5	c : bc : cr_o ; b .
21	8·5	67	4·4	+ 1·0	24·8	26·8	28·0	27·7	b : bc : cr_or_o : bc : c .
22	5·8	46	3·8	+ 0·4	24·9	26·9	28·0	28·0	c : ogrr : c r r ; c .
23	8·5	67	3·9	+ 0·6	24·8	26·8	28·0	27·9	cr_o : c : bc .
24	10·0	79	3·0	− 0·3	24·9	26·7	28·0	28·0	bc : cr_or_o : bc : b .
25	11·6	93	2·5	− 0·8	25·1	26·8	28·0	28·3	b : bc ; b .
26	9·0	72	4·4	+ 1·1	24·9	26·7	28·1	28·5	bc : bctsm : c : orr : oRRtsm.
27	0·0	00	7·3	+ 4·0	24·9	26·6	28·1	28·3	otsm : c : o : orr : om rr : orr .
28	0·0	00	9·2	+ 5·9	24·9	26·8	28·1	27·6	orrl : orr : om RR . otsm : o : or : o .
...	...	...	...	...	...	...	...	...	..... .
...	...	...	...	...	...	...	...	...	..... .
...	...	...	...	...	...	...	...	...	..... .
Mean	7·04	56·0	3·19	−0·19	24·76	26·55	28·07	28·42	.....
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 1935.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1010·8mbs	at 23.00hrs.	on 2nd	981·0mbs	at 06.00hrs.	on 28th
Temperature of the Air	31·2°C	at 13·05hrs.	on 12th	22·3°C	at 03h.40	on 6th
Daily range of temperature of the Air ...	8·5°C	...	on 1st	3·4°C	..	on 27th
Temperature of the Dew Point	26·4°C	at 09.00hrs.	on 12th	20·3°C	at 12·00hrs.	on 15th
Daily range of temperature of the Dew Point	3·9°C	...	on 1st	1·1°C	...	on 23rd
Minimum on Grass	...	...	...	30·4°C	...	on 7th
Relative humidity	100 %	at 05.00hrs.	on 28th	60·2%	at 13.00hrs	on 2nd
Vapour Pressure	34·1mbs.	at 09.00hrs.	on 12th	23·6mbs.	at 12.00hrs.	on 15th
Wind Velocity	13·4m.p.s.	at 09.00hrs.	on 28th	0·6mps	...	often
Rainfall in 24 hours	73·1mms. ending 18·00hrs		on 18th	...	...	...
Evaporation in 24 hours...	9·7mms	...	on 2nd	2·0mms	...	on 28th
Duration of sunshine	12·0hrs	...	on 11th	0·0h.	...	on 27th & 28th

Mean Day Temperature of Air, 27·27°C. Average 27·63°C. Mean Night Temperature of Air, 24·65°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
...	1	12	11	4	6	6	1	7	4	2	7

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 1935.

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	080	100	100	089	060	052	034	029	009	019	039	062	076	074	061	046	Midnight
1h	079	096	091	081	059	050	030	026	008	017	032	060	071	073	060	040	1h
2	073	090	090	076	052	040	024	022	006	013	031	055	066	070	053	040	2
3	070	086	087	072	049	034	020	020	005	011	030	051	062	066	051	035	3
4	071	086	086	071	045	031	020	018	005	012	030	051	059	064	048	036	4
5	078	089	089	070	043	036	023	019	007	016	030	052	060	059	046	039	5
6	082	092	092	070	044	040	028	020	009	021	038	059	062	060	048	040	6
7	086	098	096	071	050	046	033	022	011	030	042	066	070	070	048	041	7
8	090	100	096	072	050	050	035	026	013	032	045	068	071	071	049	045	8
9	091	101	096	073	051	049	036	028	015	031	046	071	072	075	050	047	9
10	090	101	093	070	051	042	034	028	019	029	047	072	070	071	050	048	10
11	085	101	091	070	051	040	030	025	017	028	047	070	070	070	050	050	11
Noon	081	100	088	068	049	033	027	019	014	026	046	067	067	062	048	048	Noon
13h	076	100	083	061	046	031	025	014	011	024	042	063	063	061	041	040	13h
14	071	099	079	055	045	027	021	007	005	023	037	056	061	061	035	033	14
15	071	095	074	051	042	020	019	003	001	021	036	055	058	060	030	028	15
16	072	090	072	051	037	020	016	002	001	022	036	056	060	060	030	027	16
17	073	089	073	051	038	023	016	003	003	022	040	052	058	060	030	030	17
18	079	091	078	052	040	028	017	004	007	023	042	059	061	059	032	036	18
19	083	099	084	060	049	031	020	006	012	030	049	066	067	060	040	041	19
20	094	101	089	063	051	036	026	008	017	038	051	073	071	062	043	047	20
21	099	102	091	065	054	038	031	010	020	040	060	078	072	063	049	051	21
22	101	105	096	066	059	039	032	012	022	048	060	080	077	063	051	053	22
23	100	108	093	064	057	037	031	010	021	047	062	080	074	062	051	051	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	048	041	032	050	066	050	050	055	039	001	935	840	...	...	...	1004·1	Midnight
1h	044	036	024	049	062	047	044	051	032	991	930	830	...	...	...	1003·6	1h
2	039	029	016	043	059	044	044	047	029	986	923	822	...	...	...	1003·1	2
3	036	021	011	038	051	042	042	046	026	980	915	819	...	...	...	1002·8	3
4	036	020	012	037	045	042	040	046	022	981	906	813	...	...	...	1002·6	4
5	040	021	013	039	042	043	041	047	022	980	901	811	...	...	...	1002·7	5
6	048	022	015	042	041	044	049	049	023	981	901	810	...	...	...	1003·0	6
7	052	026	020	050	049	049	051	051	025	987	903	820	...	...	...	1003·4	7
8	056	031	023	052	052	055	051	051	028	989	908	826	...	...	...	1003·7	8
9	058	035	030	051	060	059	052	051	030	988	910	830	...	...	...	1003·9	9
10	060	035	032	056	061	060	058	050	031	982	910	839	...	...	...	1003·9	10
11	055	032	031	060	062	056	050	046	026	977	901	846	...	...	...	1003·7	11
Noon	050	027	029	060	060	050	046	040	021	968	891	850	...	...	...	1003·3	Noon
13h	048	024	028	055	055	044	039	035	011	961	872	850	...	...	...	1002·9	13h
14	040	023	027	050	048	042	036	030	004	955	861	850	...	...	...	1002·4	14
15	032	022	024	048	043	040	036	024	000	950	854	851	...	...	...	1002·1	15
16	029	024	023	044	042	038	034	024	999	948	850	858	...	...	...	1002·0	16
17	030	028	023	046	044	040	034	027	002	946	850	864	...	...	...	1002·1	17
18	031	034	029	047	046	041	038	030	006	951	848	870	...	...	...	1002·4	18
19	040	038	036	051	049	042	043	036	009	950	850	879	...	...	...	1002·9	19
20	045	040	042	059	051	047	050	040	012	950	856	893	...	...	...	1003·4	20
21	046	041	049	060	054	050	058	047	018	946	852	902	...	...	...	1003·7	21
22	047	040	050	066	054	050	061	049	020	945	852	910	...	...	...	1004·0	22
23	045	036	052	063	053	050	060	046	013	942	850	914	...	...	...	1003·8	23

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

Hour \ Day	FEBRUARY 1935.																															
	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	8	6	6	4	10	8	7	2	2	4	6	1	6	7	9	9	9	10	10	2	9	9	3	0	0	10	10	...	...	...	6·0
1h	1	9	5	5	5	10	5	7	2	3	2	6	0	5	8	10	9	9	9	9	1	8	10	4	1	3	9	10	...	...	...	5·9
2	1	7	3	4	3	10	2	8	2	3	2	5	0	7	9	10	10	9	10	9	2	8	8	5	1	5	9	10	...	...	...	5·8
3	0	4	1	2	3	10	1	9	3	4	3	7	1	9	8	9	10	10	9	9	2	9	7	5	5	5	9	10	..	...	...	5·9
4	1	4	9	3	4	10	2	9	5	4	3	6	1	9	7	7	10	8	9	9	3	10	8	3	4	6	9	10	...	...	...	6·2
5	1	3	6	5	6	10	4	9	7	5	3	7	2	7	5	9	10	9	9	9	2	10	8	2	4	1	10	10	...	...	...	6·2
6	3	4	4	4	7	10	5	8	8	7	3	8	2	9	2	9	10	9	9	9	3	10	9	8	4	4	10	10	..	...	...	6·7
7	3	7	3	5	9	9	5	8	8	8	3	5	3	9	2	9	10	8	9	8	2	9	9	7	5	3	9	10	..	...	...	6·6
8	3	7	4	5	7	9	5	7	8	7	4	6	4	7	4	8	10	9	9	6	6	8	8	8	5	5	10	10	...	...	...	6·8
9	4	7	8	6	8	9	6	6	8	7	5	6	4	9	5	8	10	8	10	5	10	8	9	8	5	6	10	10	...	...	...	7·3
10	4	7	8	5	9	6	7	6	7	8	7	6	5	6	6	9	10	8	10	6	9	8	7	7	5	5	10	10	...	...	...	7·2
11	4	7	7	6	10	6	7	6	6	8	6	7	5	6	6	9	10	9	10	5	7	8	8	8	5	7	10	10	...	...	...	7·3
Noon	4	5	6	6	9	9	5	9	7	6	6	7	6	6	7	9	10	9	9	5	8	7	7	6	5	7	10	10	...	...	...	7·1
13h	4	6	5	6	10	8	9	9	7	5	6	8	6	9	6	9	10	9	9	6	8	8	6	6	4	7	10	10	...	...	..	7·3
14	5	7	6	5	10	7	9	5	8	6	6	7	6	9	5	9	10	10	10	8	8	10	8	6	4	6	10	10	...	...	...	7·5
15	5	8	6	7	10	6	10	5	9	7	6	6	8	10	5	9	10	10	9	8	6	8	9	4	4	8	10	10	...	...	...	7·6
16	5	8	6	7	10	8	10	6	9	7	7	6	8	10	5	9	10	10	10	7	6	8	9	4	4	8	10	10	...	...	...	7·6
17	6	8	6	8	10	8	10	7	9	8	8	5	8	10	6	9	10	10	10	6	6	8	8	3	4	8	10	10	...	...	...	7·8
18	9	8	7	8	10	9	9	10	9	10	8	5	8	10	6	10	9	10	10	4	6	9	7	3		10	10	10	...	...	...	8·1
19	7	8	9	8	10	7	8	8	7	10	6	4	5	10	6	10	10	10	10	3	7	6	7	2	2	10	10	10	...	...	...	7·5
20	5	9	9	9	9	5	6	4	5	10	8	4	4	10	5	9	9	10	10	2	8	8	8	1	2	10	10	10	...	...	...	7·1
21	8	10	10	7	9	3	5	3	4	9	9	3	3	10	5	10	10	10	10	2	9	9	4	0	1	10	10	10	...	...	...	6·9
22	8	10	10	7	10	4	6	2	4	9	9	2	3	10	6	10	10	10	10	2	10	9	3	0	0	10	10	10	...	...	...	6·9
23	8	8	8	6	10	5	6	2	4	6	8	2	3	10	8	10	10	10	10	2	9	9	4	0	0	10	10	10	...	...	...	6·7

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

Hour Ending \ Day	FEBRUARY 1935.																															
	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	2	0	0	2	0	0	20	12	1	10	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	...	...	0·8
7	60	30	58	60	30	0	5	60	20	35	60	45	5	4	30	0	0	18	0	42	33	4	30	2	50	40	0	0	...	..	...	12·0
8	60	37	55	56	40	0	15	60	56	60	60	51	60	32	55	36	0	33	17	60	18	32	58	40	60	60	0	0	...	...	...	18·5
9	60	60	40	60	52	0	60	60	60	60	60	48	60	20	45	9	0	12	0	60	17	25	54	58	60	60	0	0	...	...	...	18·3
10	60	60	32	60	25	0	60	60	60	60	60	40	50	58	60	44	0	38	17	60	55	3	60	60	55	60	0	0	...	...	...	19·9
11	60	60	60	60	0	0	60	60	54	10	60	60	60	58	60	50	0	58	60	60	33	58	60	25	58	38	0	0	..	...	...	20·4
Noon	60	60	60	30	15	0	35	30	58	0	60	25	60	60	60	2	0	36	60	60	55	59	60	60	60	35	0	0	...	...	...	18·3
13h	60	60	60	60	3	15	0	13	60	2	60	45	60	45	60	37	0	25	54	60	60	38	50	60	60	34	0	0	...	...	...	18·0
14	60	50	60	53	0	60	0	55	60	55	60	15	60	10	60	45	0	0	25	60	45	7	50	60	60	55	0	0	...	...	...	17·8
15	60	20	60	32	0	60	0	60	60	38	60	4	46	0	60	54	0	0	0	60	50	10	33	60	60	56	0	0	...	...	...	15·7
16	35	16	50	50	1	0	0	60	60	0	60	25	60	0	60	60	0	0	0	60	53	57	15	60	60	54	0	0	...	...	...	14·9
17	38	8	36	30	55	0	0	20	60	5	54	55	30	0	60	0	40	0	0	40	55	40	30	60	60	45	0	0	...	...	...	13·7
18	0	6	10	10	14	5	0	8	55	0	60	25	28	0	48	0	55	0	0	22	38	18	10	54	52	0	0	0	...	...	...	8·6
19	0	0	0	0	0	0	0	0	5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...	...	...	0·1

The total Amount of Registered Sunshine was 197.1 hrs. and the total possible sunshine was 356·3 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)

FEBRUARY 1935.

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

FEBRUARY 1935.

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during FEBRUARY 1935.

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 1935.

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	15	1·3	05	1·4	10	2·2	11	1·7	09	1·9	12	2·9	11	3·0	12	1·5	09	0·6	22	0·6	29	0·6	16	0·6	06	0·8	08	0·7	10	1·9	09	2·8
1h	15	1·8	03	1·1	10	1·8	11	2·0	11	1·4	10	2·6	10	1·3	12	1·4	09	1·0	22	0·9	29	0·6	16	0·9	06	1·0	08	1·1	10	2·1	10	2·3
2	15	1·7	03	1·2	11	1·5	11	1·5	11	1·4	07	2·8	11	1·8	12	1·3	09	0·7	20	2·0	29	0·6	16	0·8	07	1·1	11	1·2	10	1·8	08	3·2
3	15	1·4	09	2·1	11	1·0	11	1·8	11	1·2	10	5·0	11	1·6	16	1·1	d19	1·0	21	1·3	29	0·6	16	0·9	11	1·2	05	1·1	08	1·9	09	3·8
4	15	1·8	09	2·0	11	0·8	05	1·1	11	1·8	12	4·5	11	1·3	16	0·9	19	0·6	21	0·6	29	0·6	16	0·7	11	1·0	05	0·9	11	2·0	08	3·5
5	15	1·7	09	1·4	12	1·9	08	1·5	11	2·3	10	3·7	11	1·0	16	0·8	19	0·7	21	0·8	29	0·8	16	1·1	11	0·9	08	1·1	11	1·8	10	2·7
6	12	1·2	11	1·8	12	0·6	10	2·2	10	2·1	11	2·2	11	0·6	15	1·0	19	1·1	21	0·7	29	0·9	16	0·6	11	1·1	08	1·1	11	1·8	09	3·0
7	12	1·1	10	1·3	12	2·3	10	1·6	11	1·4	10	2·2	13	1·3	16	0·6	21	1·4	20	0·6	29	0·6	16	0·6	11	0·6	08	1·3	10	2·8	09	3·2
8	07	1·8	10	2·1	10	2·7	10	1·9	10	2·4	11	2·9	14	1·1	16	0·6	20	2·6	20	0·6	29	1·0	r31	0·7	09	1·8	10	1·1	10	2·5	07	3·9
9	07	1·6	09	2·7	10	2·5	09	2·2	06	1·8	10	3·9	11	1·8	d24	1·1	24	2·7	26	1·4	27	1·4	29	1·8	07	2·1	13	2·0	09	4·2	06	3·6
10	06	2·1	08	3·3	09	2·3	05	2·2	06	2·6	09	4·0	11	1·7	22	1·5	23	2·1	26	2·5	28	2·2	29	2·2	05	2·7	11	2·0	08	4·4	07	4·4
11	07	2·3	09	3·1	06	3·0	05	2·8	02	2·0	11	3·8	d26	1·9	21	2·3	24	5·0	27	2·2	28	2·8	30	2·7	05	2·9	06	2·7	06	4·5	06	4·7
Noon	05	3·0	10	4·6	06	3·5	09	3·2	06	4·0	09	3·4	22	2·5	r06	1·8	20	4·5	22	2·4	28	2·6	31	2·5	05	3·4	08	3·0	09	4·2	08	3·9
13h	08	3·1	10	2·9	09	3·9	07	3·7	04	3·2	09	4·1	d32	3·2	13	2·0	24	4·9	26	3·3	27	2·8	32	2·4	07	3·0	08	3·7	09	4·0	05	5·0
14	07	3·4	10	3·8	07	3·1	08	5·6	02	2·9	09	3·8	02	2·7	r26	1·7	21	4·5	25	3·1	30	4·3	01	1·7	06	3·7	d21	3·5	12	3·7	07	4·7
15	05	3·0	09	4·0	08	5·2	12	4·4	09	2·0	10	4·1	d14	3·4	22	3·0	22	4·5	26	2·9	31	3·1	d11	1·8	03	3·8	20	4·6	09	3·7	06	3·8
16	05	2·3	12	4·3	08	3·1	10	3·5	06	2·0	12	2·7	17	1·0	23	2·4	21	4·1	24	2·6	31	3·1	11	1·8	03	3·1	19	2·4	09	3·4	07	4·1
17	d19	2·4	10	3·6	07	3·2	06	3·1	10	1·9	12	3·2	17	0·7	r10	1·8	21	3·9	25	2·0	30	2·6	08	1·2	04	2·5	16	2·5	11	4·6	10	2·1
18	r08	0·9	10	3·6	08	4·1	09	3·7	06	3·3	10	3·2	14	2·2	07	1·3	23	3·6	25	1·4	32	2·6	06	1·8	05	2·1	12	2·4	11	3·9	05	1·2
19	d20	1·1	11	2·5	10	2·1	10	3·1	10	2·9	11	3·3	13	2·2	07	1·4	22	2·4	28	1·3	31	1·4	06	1·1	05	1·0	12	1·9	09	2·9	07	2·4
20	r12	1·5	11	2·2	10	2·1	12	2·5	09	3·0	11	3·9	13	2·0	07	1·2	22	1·9	29	0·8	31	0·7	06	0·9	05	1·0	11	1·8	11	2·0	08	3·1
21	12	1·4	12	2·5	10	2·6	11	2·2	11	2·1	11	3·2	11	1·3	07	1·0	22	1·8	29	0·6	r21	1·1	06	0·6	08	1·4	11	2·7	11	2·7	08	3·4
22	11	2·2	11	2·5	11	2·1	11	2·0	11	2·7	11	3·0	11	1·4	07	0·6	22	1·7	29	0·6	15	1·1	06	0·7	08	1·5	11	3·0	11	2·7	09	2·8
23	10	1·9	09	1·6	10	1·6	07	2·3	11	2·8	10	2·8	12	0·8	09	0·6	22	0·9	29	0·7	15	0·6	06	0·8	08	1·8	10	2·4	09	3·5	09	2·7

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	08	2·5	11	2·1	11	4·0	09	4·1	09	4·3	09	2·9	09	4·0	07	2·4	08	1·7	12	1·0	15	4·1	14	5·4	...	...	...	...	...	...	2·2
1h	08	1·5	10	3·1	09	4·0	09	4·4	09	4·1	09	3·1	09	4·1	08	2·0	08	2·2	15	1·1	11	4·4	15	6·3	...	...	...	...	...	...	2·3
2	08	2·0	10	2·7	09	4·4	08	4·9	09	4·1	10	2·2	09	3·5	08	2·3	08	2·6	16	3·1	12	5·2	16	6·0	...	...	...	...	...	...	2·4
3	06	1·5	09	2·6	09	5·2	08	4·2	08	3·8	10	2·0	09	3·8	08	2·0	09	2·0	12	2·1	10	4·4	15	6·5	..	...	...	..	...	..	2·4
4	08	1·4	08	1·9	10	4·3	08	4·0	09	4·5	08	1·9	09	3·1	07	2·1	11	1·6	11	4·0	13	5·5	18	6·1	...	...	...	...	...	...	2·3
5	04	2·0	09	3·3	09	4·2	09	4·3	08	4·9	09	2·0	09	2·0	07	2·3	11	1·7	12	2·9	13	5·6	19	6·6	...	...	.	...	...	...	2·4
6	06	2·7	11	2·5	09	4·2	08	4·1	09	5·0	09	2·7	07	2·2	07	2·1	11	1·1	15	2·8	12	6·9	19	10·0	...	...	...	...	...	...	2·4
7	09	1·4	10	2·8	09	4·2	08	4·1	08	4·3	09	3·1	06	3·2	08	2·3	11	1·3	13	2·3	12	6·8	19	12·3	...	...	...	...	...	...	2·5
8	d32	1·3	10	2·8	09	4·9	09	5·4	08	4·4	07	3·7	07	4·4	10	3·0	12	2·0	12	4·0	10	8·3	21	12·3	...	...	...	...	...	...	3·1
9	06	1·7	06	3·7	07	4·2	09	6·4	06	4·2	07	4·2	06	4·9	06	3·4	10	2·7	12	4·8	13	7·2	21	13·4	...	...	...	...	...	...	3·5
10	08	1·0	09	4·3	06	5·2	09	6·9	09	5·0	09	4·0	06	5·4	07	4·4	09	3·4	12	5·4	13	8·2	21	11·8	...	...	...	..	...	...	3·8
11	06	2·0	06	4·7	06	6·9	08	6·9	05	4·8	08	5·2	05	5·7	07	4·2	11	3·6	13	5·1	12	8·6	20	12·9	...	...	...	...	...	...	4·3
Noon	06	1·8	07	4·5	08	6·1	06	6·6	05	5·8	08	5·4	06	5·3	09	4·8	10	4·1	12	6·0	12	9·0	22	12·6	..	...	...	...	...	...	4·4
13h	08	1·9	09	4·4	05	6·9	07	6·3	05	4·7	05	5·2	06	6·3	08	4·9	09	4·1	13	5·7	12	7·4	21	12·1	...	...	..	...	...	...	4·5
14	06	3·0	08	2·9	05	6·4	05	5·7	07	4·1	08	3·6	07	4·2	08	4·4	12	4·1	13	6·3	12	8·3	21	11·6	...	...	...	..	...	...	4·3
15	07	2·6	07	2·8	05	4·0	08	4·7	09	3·9	09	4·4	06	4·4	08	4·0	10	4·4	13	7·3	12	8·8	21	10·7	...	...	...	...	...	...	4·3
16	06	2·8	03	2·3	09	3·9	09	6·4	09	4·6	09	5·5	06	4·5	06	4·5	10	5·0	13	5·4	13	7·9	21	9·8	...	...	...	...	...	...	3·9
17	05	2·9	d12	1·5	04	4·0	09	5·3	08	4·4	09	4·6	06	4·6	07	3·9	11	4·1	13	5·6	12	10·9	21	8·9	...	...	...	...	...	...	3·6
18	06	2·7	10	2·5	08	4·3	09	6·4	08	4·9	09	4·8	07	4·0	08	2·8	11	2·8	13	8·8	12	8·2	20	9·8	...	...	...	...	...	...	3·7
19	09	3·2	10	2·4	09	4·8	09	6·0	08	4·1	09	3·9	08	3·1	08	2·9	12	1·6	13	4·7	12	8·3	22	6·0	...	...	...	...	...	...	3·0
20	12	2·4	10	3·9	09	4·5	10	5·7	09	4·4	09	4·2	08	3·1	08	2·3	12	1·2	12	3·5	13	8·0	21	6·7	...	...	...	...	...	...	2·9
21	10	1·9	12	3·9	08	4·7	10	5·3	08	4·0	09	4·2	08	2·8	08	2·4	12	1·1	14	3·9	13	7·8	20	8·0	...	...	...	...	...	...	2·9
22	07	1·2	11	4·0	09	4·3	11	5·8	09	3·3	09	4·9	08	2·8	08	2·3	11	1·5	14	3·6	13	7·2	21	6·5	...	...	...	...	...	...	2·8
23	09	2·7	11	3·8	09	4·4	09	4·8	09	3·8	09	4·0	08	2·7	08	1·8	11	1·1	13	4·0	12	6·9	20	7·1	...	...	...	...	...	...	2·7

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), FEBRUARY, 1935.

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	27	...	...	1	1	10	3	6	...	4	...	2	...	...	...	1	...
9	...	3	25	...	...	...	7	8	3	4	.	...	...	1	...	2	1	2	...
15	...	3	25	1	...	3	2	10	2	4	1	...	...	2	2	...	1	...	...
21	...	2	26	...	...	...	1	8	3	11	1	.	...	2	1	...	...	1	...
Totals	...			1	...	4	11	36	11	25	2	4	...	7	3	2	2	4	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for FEBRUARY 1935.

Hour \ Day	1st	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	..	...	...	..	2·6	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	0·8	...	.	...
4	...	...	...	...	...	...	...	..	...	...	...	...	...	...	0·5	..	...	11·0	...	...	...	2·2	...	...	..	...	...	0·5	...	...	...
5	...	..	3·5	...	...	...	...		...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·4	...	...	...
6	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8	...	...	...	...	...	2·0	...	...	...
7	...	..	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	2·9	...	...	5·6	0·2	0·2	..	..	...	2·5	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·2	2·0	...	..	2·9	...	...	...	...	0·1	...	..	...	7·5	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	1·5	...	4·0	...	1·7	...	...	0·1	...	...	...	5·0	...	..	...
10	...	...	..	...	0·7	0·1	...	...	...	...	...	...	..	...	...	...	1·5	...	0·5	...	0·3	0·9	...	...	...	...	1·2	12·2	...	...	...
11	...	...	0·9	...	2·3	...	...	...	...	...	...	...	...	...	...	...	1·1	...	...	...	0·4	0·1	...	...	...	...	2·9	3·0	...	...	...
Noon	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	0·3	1·6	...	...	..	...	0·2	...	...	...	...	0·8	1·5	...	...	...
13h	...	...	...	...	...	.	...	3·1	..	..	...	...	...	...	...	0·2	0·1	...	...	...	...	0·6	...	...	...	...	...	...	...	...	...
14	...	...	...	...	1·6	...	0·2	...	...	..	...	...	...	...	...	...	0·1	1·7	...	..	...	8·3	...	...	..	...	1·0	...	...	...	...
15	...	..	...	0·5	2·6	...	0·2	...	...	...	...	..	...	2·5	...	0·3	1·5	2·1	0·1	0·3	0·4	3·0	...	...	...	...	1·0	...	...	...	...
16	...	...	..	...	...	...	0·8	...	...	...	...	..	...	2·5	...	...	..	3·1	0·2	...	...	0·1	0·1	...	...	...	4·0	...	...	...	...
17	...	..	...	..	...	..	...	...	...	...	...	...	...	0·2	...	4·3	...	...	2·0	...	...	...	0·1	..	...	...	2·5	...	...	...	...
18	...	...		...	2·7	...	...	...	...	...	...	...	...	...	...	...	..	2·9	2·1	...	...	...	...	...	...	...	1·2	...	...	...	...
19	.	...	...	...	...	...	0·1	0·4	...	1·6	...	...	...	0·2	..	0·1	11·0	3·7	1·1	..	...	...	...	..	...	...	7·0	2·7	...	..	...
20	...	...	...	...	.	...	...	...	...	0·2	..	...	...	...	...	39·8	11·0	...	0·1	...	...	...	...	...	. .	...	1·0	...	...	...	...
21	...	...	0·1	...	...	...	0·1	...	...	0·2	0·4	...	...	...	...	...	10·9	...	0·2	..	...	...	...	...	...	...	3·0	...	...	...	...
22	0·1	...	0·5	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0·9	0·5	...	...	...	...
23	11·8	2·0	0·2	...	2·6	...	...	...	...	...	0·2	...	...	0·2	...	...	10·8	...	...	...	...	...	...	...	...	0·7	0·5	...	..	..	...
24	...	...	0·2	...	2·6	0·2	..	0·3	...	...	...	...	...	...	3·3	...	10·0	...	...	...	0·1	...	...	...	...	13·3	2·5	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of FEBRUARY 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	13·46	341·9	5·59	16
*	St. Antoine	50	14·97	380·2	6·31	20
*	Belmont	50	18·09	459·5	6·90	18
*	Poudre d'Or	20	19·64	498·9	6·48	18
	Mon Loisir S. E.	300	17·12	434·8	7·77	...
	Forbach	300	...	...	7·29	...
*	Couroupa	...	15·72	399·2	6·33	20
*	Labourdonnais	290	...	...	8·42	...
	Mapou	...	17·35	440·7	. .	18
	Beau Séjour	300	16·27	413·2	9·24	22
	Mont Piton	650	16·52	419·6	10·41	20
	Mon Choix	700	14·07	357·4	9·71	20
	Antoinette	640	16·95	430·5	9·99	21
	Mon Songe	620	20·09	510·3	9·94	21
*	Botanical Gardens ...	325	21·98	558·3	8·97	24
	The Observatory	179	12·76	324·0	7·51	24
	Solitude	175	14·40	365·7	5·19	20
	Triolet	...	8·87	225·4	...	8
	St. André	90	...	...	6·29	...
	La Nicolière	...	21·28	540·5	11·87	22
	California	...	13·84	351·5	11·70	15
	Australia	...	...	...	..	...
2 & 3	Union Réguard S.E. (Flacq)	600	16·49	418·8	10·21	23
	Constance d'Arifat L.G. ...	100	22·30	566·4	8·53	23
	Rich Fund	600	14·13	358·9	9·71	17
	La Joffrette	...	15·10	383·5	...	24
	Belle Vue (Allendy) ...	...	18·89	479·8	8·80	23
4 *	Sans Souci	900	23·58	598·9	16·13	22
	Beau Champ (G.R.S.E.) ..	20	11·90	302·2	7·44	22
	Olivia	400	15·93	404·6	10·81	21
	Trois Ilots	...	13·93	353·8	...	23
	Belle Rive	400	18·00	457·1	10·44	19
	Sébastopol	700	21·29	540·8	...	21
	Bonne Veine	400	23·11	587·0	15·48	23
5	Rose Belle	850	20·62	523·7	17·65	22
	New Grove	650	19·61	498·1	...	22
	Mon Trésor	...	15·53	394·5	...	22
	Mon Désert (Carié) ...	75	16·21	411·7	8·04	22
	Ferney	20	13·53	343·7	11·45	22
	Sauve Terre	...	14·79	375·7	...	20
6	Tivoli	1,300	16·13	409·7	17·69	24
	La Flora	1,050	18·07	459·0	16·07	24
6	Riche Bois (Brit.) ...	650	14·74	374·4	10·72	22
	Britannia (Estate) ...	700	15·39	390·9	13·83	23
	Savannah (Mill) ...	200	13·16	334·3	10·32	19
	St. Aubin	300	14·07	357·4	9·35	22
	St. Avold	900	17·89	454·4	15·01	24
	Colmar	400	16·87	428·5	11·08	21
	Union S. E.	...	13·36	359·3	8·54	20
	Fontenelle	320	15·25	387·3	8·61	22
	Choisy	200	9·62	244·3	7·45	19
	Beau Bois	...	16·68	423·7	13·86	24
	Bel Air	...	14·83	376·7	8·70	17
	St. Félix	...	17·19	436·6	...	...
7,8,9 & 10	Bel Ombre	40	8·79	223·3	8·49	20
	Beau Champ (B. du Cap)	70	12·70	322·6	7·82	20
	Frédérica	...	13·42	340·9	...	21
	Pierre Fond	...	13·93	353·8	7·96	20
	Ste. Marie	...	13·33	338·6	...	21
	Hussonia Limited .	..	10·69	271·5	...	15
11	Curepipe Gardens ...	1,840	24·63	625·6	17·16	26
	Mare aux Vacoas (G.E.)	1,850	24·06	611·1	18·33	24
	Mare aux Vacoas (Arn.)	1,830	25·22	640·6	18·39	24
	La Marie Filter Bed ..	1,700	22·58	573·5	14·60	25
*	Sophie	...	24·00	689·6	...	25
	Réunion	1,420	23·26	590·8	13·60	22
*	Aerological Station . .	1,393	23·70	593·9	13·15	26
	Phœnix	...	17·90	454·6	11·45	20
	Quatre Bornes... ...	...	15·41	391·4	...	18
12	Quatre Bornes (Board) ...	1,090	15·54	394·7	...	15
*	Le Réduit (D. of A.) ...	1,000	14·83	376·7	10·05	27
	Alma	1,460	28·54	724·9	18·15	21
	Bagatelle	1,250	25·97	659·6	14·10	19
	Highlands	1,300	21·45	544·8	12·08	21
	Trianon	950	17·44	443·0	10·77	21
	Val Ory	1,100	...	...	10·75	...
	Bassin	...	15·54	394·7	9·20	18
	Hermitage	1,450	20·10	510·5	15·57	21
	Ebene	...	18·49	469·6	...	23
	Bega	...	15·07	382·8	...	21
	Mon Rêve	...	21·68	550·7	...	21
	Mont Pevril	...	18·34	465·8	...	21
	Minissy	1,150	18·36	466·3	12·10	21
	Plaisance	...	17·06	433·3	...	18
	La Ferme	350	13·48	342·4	7·40	19

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 1935.

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	9½	50	5·3*	43	4·2*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	9	...	...	90	21·5	150	2·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	110	13·3*	80	1·2*	...	...	...	...	...	...	...	...
5	11½	120	12·7	105	10·9	165	...	...	...	300	...	...	...	14½	...	...	...	...	...	...	...	...	...	...	300	...
6	10¼	...	...	150	4·8	...	...	...	...	300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	10¼	260	10·9*	255	9·0	...	...	...	...	285	...	195	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	335	7·7	348	6·2	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	11¾	60	...	60	12·4	...	...	...	...	...	...	...	...	15	...	...	30	...	...	...	...	...	...	...	120	...
14	10	...	...	110	2·8*	...	...	...	...	...	...	150	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	11¾	75	15·9	90	10·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	9¼	78	...	60	11·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	9¼	85	11·3*	75	11·5	90	...	...	...	245	4·2*	270	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	11¾	60	36·3	60	25·9	...	...	...	...	290	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	11¼	88	22·3*	78	8·4*	...	...	...	...	...	...	...	...	15	60	27·6	45	15·1	...	...	...	...	...	...	195	...
21	11¼	65	33·7*	80	16·3*	...	...	...	...	20	0·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	11¼	80	36·3*	110	1·7*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	9½	65	18·9*	60	25·9	...	...	...	...	...	...	150	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	9¾	120	23·4	135	18·3	...	...	...	...	148	10·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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. XXI. 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, 1935

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

DIRECTOR

Published by Authority of His Excellency the Governor

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1935

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF MARCH 1935.

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	Daily Range† Vertical Force
	′			′	Unit 1 γ	
MAR.						
1	12°55·3	·22544	·29689	5·8	43	11
2	55·9	545	687	6·3	55	26
3	56·0	546	687	6·0	35	20
4	56·1	541	688	9·0	18	22
5	56·0	547	686	11·0	11	27
6	56·1	544	685	10·0	33	32
7	57·0	541	686	7·5	19	23
8	56·0	534	687	6·5	27	22
9	56·0	540	689	8·5	45	27
10	55·9	536	689	6·0	29	15
11	56·5	531	689	5·3	42	17
12	56·2	545	688	6·7	25	17
13	56·5	526	689	7·8	89	25
14	56·8	515	694	7·0	82	27
15	55·6	511	696	4·5	45	11
16	56·2	517	694	4·0	20	15
17	56·8	525	693	4·5	26	14
18	56·2	531	692	7·0	43	23
19	56·8	525	692	6·5	21	17
20	56·6	526	693	6·0	29	21
21	57·0	524	690	10·5	47	24
22	56·8	525	690	8·5	27	24
23	56·7	527	687	11·5	16	32
24	57·0	528	693	6·5	75	16
25	56·3	520	691	10·5	31	18
26	56·7	523	694	7·5	34	7
27	57·1	534	691	6·0	50	22
28	57·1	533	690	5·5	39	16
29	57·0	533	692	3·5	29	11
30	57·2	543	688	5·2	55	20
31	57·6	524	691	4·0	32	18
Mean	12°56·48	·22532	·29690	6·62	37·8	20·0

Description of the Principal Magnetic Disturbances.

Declination.—13d. Slight disturbed at end. 14d. 17^h. to 23^h. a succession of positive waves (4^l). 15. $17^h.30^m$. sharp increase (3^l). The rest of the month was quiet in declination.

Horizontal Force.—1d and 2d. Slightly disturbed from 12^h. to the end. 3d. at $22^h\ 30^m$. posiqive wave of 29γ. 13d. 4^h. beginning of a moderately disturbed period; the disturbed trace gradually dies down to quietness of 15d. 13d. from $18^h.30^m$. large increase of (47γ). 14d. from 16^h. a succession of positive and negative waves of large amplitudes (35γ to 50γ). 15d. $17^h.30^m$. sudden increase of 33γ. 16d. 21^h. sharp increase of 20γ. 18d. 1^h. to 5h. a succession of waves of small amplitudes. 20d. $21^h.30^m$. beginning of a slightly disturbed period ending at 12^h. on 22d. 21d. 18^h. to end irregular fluctuations 22d. small fluctuations during first half. 24d. slightly disturbed. 30d. $16^h.10^m$. Sudden commencement of a slightly disturbed period. Small oscillations followed by irregular fluctuations. 31d. Slightly disturbed.

Vertical Force.—1d. and 2d. Small pulsations throughout. 3d. $22^h.30^m$. two successive waves of small amplitude. 13d., 14d. and 15d. Moderately disturbed; 13d. $19^h.40^m$. sharp increase of (9γ) with small oscillations superposed. 14d. at end. A succession of sharp positive waves. (12 to 15γ). 15d. $17^h.30^m$. Sharp positive wave (7γ). 16d. Small pulsations at times. 21d. $18^h.30^m$. to 22^h. Irregular fluctuations of small amplitudes. 24d. Slightly disturbed. 30. Sudden commencement at $16^h.10^m$. of a slightly disturbed period; small irregular fluctuations to the end.

T=·37272: Mean Dip=52° 48′·30: (X=·21960: Y=−·05046: 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 MARCH 1935.

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	° ′	
MARCH 8·14·16	12 53·50	MAR. 6· 9·18	·22545	MAR. 8·14·30	52·48·00	·29685
15·14·14	12 53·10	9· 8·50	·22541	15·14·20	52·50·80	·29700
22·15·02	12 54·48	13· 8·47	·22529	22·15·15	52·47·80	·29681
28·11·42	12 57·00	16· 8·53	·22509			
		20· 9·13	·22531			
		23· 9·46	·22523			
		27· 9·24	·22547			
		29· 9·14	·22554			

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

MARCH 1935.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	56·2	56·5	56·3	56·5	55·5	56·3	56·0	55·5	56·0	56·0	56·7	56·7	56·5	57·0	56·7	57·0	Midnight
1h	56·3	56·5	56·5	56·5	56·5	56·5	56·5	55·5	56·0	56·0	57·0	56·7	56·5	57·0	55·5	56·5	1h
2	56·5	56·7	56·3	56·3	56·7	56·7	57·0	56·0	56·0	56·0	57·0	56·7	56·5	57·0	56·5	56·5	2
3	56·3	57·0	56·0	56·5	57·0	57·0	57·3	56·5	55·5	56·3	57·0	56·7	56·5	56·7	57·0	56·7	3
4	56·5	57·0	56·5	57·0	57·5	57·5	58·0	57·0	55·5	56·0	57·0	56·5	56·7	56·5	54·0	56·0	4
5	56·3	57·5	57·0	57·5	58·0	57·7	59·2	57·0	55·5	56·5	57·5	57·0	57·0	57·0	54·5	56·0	5
6	56·2	57·7	57·5	57·5	58·0	58·0	59·5	56·7	55·7	56·5	57·3	57·0	57·0	57·0	55·0	55·5	6
7	56·7	59·0	58·0	60·5	59·5	59·5	59·5	57·5	55·3	57·0	58·5	58·0	58·5	57·0	55·0	56·5	7
8	57·0	59·3	59·0	61·5	60·5	61·0	61·0	59·0	57·5	58·0	59·5	59·5	59·0	58·5	56·0	57·0	8
9	57·0	59·0	58·5	60·7	60.5	60·0	61·0	59·5	60·0	59·0	59·3	59·7	59·3	59·5	56·0	57·3	9
10	57·3	57·0	55·5	58·0	59·5	57·0	60·0	58·0	60·5	58·5	57·5	59·0	59·0	58·0	55·5	57·5	10
11	57·0	55·5	54·5	55·0	56·5	54·5	58·5	57·0	59·5	57·5	57·3	57·0	58·5	56·5	55·0	57·0	11
Noon	55·0	53·0	53·0	53·0	53·0	52·0	56·5	55·0	57·5	55·5	56·5	55·0	57·0	55·0	54·0	56·5	Noon
13h	54·1	53·0	53·0	52·5	50·5	50·5	54·5	54·0	54·5	54·0	55·5	54·5	54·5	53·0	53·0	55·0	13h
14	53·5	53·0	53·5	53·0	49·5	51·0	53·5	53·0	52·5	53·5	54·5	53·0	53·0	53·5	53·5	54·5	14
15	52·5	53·5	54·7	53·0	51·0	52·5	53·5	53·0	52·0	53·0	54·0	53·0	51·5	53·3	54·0	53·5	15
16	51·5	53·5	55·0	54·0	53·0	54·0	54·5	53·5	53·0	53·5	54·5	53·5	53·0	53·5	55·0	53·5	16
17	52·5	54·0	56·5	55·0	55·5	56·0	55·5	55·0	54·7	54·5	54·7	54·7	53·5	55·0	56·5	55·5	17
18	52·5	54·5	56·3	55·5	56·5	57·0	56·0	56·0	55·5	55·0	55·3	55·0	55·0	60·0	55·5	56·5	18
19	54·5	55·0	56·0	55·3	56·0	56·5	56·5	56·0	56·0	55·5	55·3	55·5	54·0	57·0	57·5	56·7	19
20	54·7	55·7	56·5	55·5	56·0	56·5	56·0	56·0	56·0	55·5	55·5	56·0	58·0	59·0	56·7	56·5	20
21	55·5	56·0	56·0	55·3	55·7	56·0	56·0	56·0	56·0	56·0	56·5	56·0	58·5	58·0	57·5	57·0	21
22	55·7	56·0	56·0	55·3	55·5	56·0	55·5	55·5	56·0	56·0	56·0	56·0	59·0	59·0	57·0	57·0	22
23	56·5	56·0	56·0	55·3	55·7	56·0	55·7	55·5	56·0	56·5	56·5	56·0	57·0	57·5	57·0	57·0	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day / Hour
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	57·0	57·0	57·0	57·0	56·5	56·5	57·0	56·5	57·0	57·0	57·3	57·0	57·3	57·3	57·5	56·7	Midnight
1h	57·0	57·3	57·5	56·5	56·0	56·5	57·0	56·7	57·5	57·0	57·0	57·0	57·3	57·2	58·5	56·7	1h
2	57·5	56·7	57·0	57·0	57·5	56·5	57·0	57·0	57·5	57·0	57·0	57·0	57·0	57·3	58·5	56·9	2
3	57·0	57·0	57·5	57·5	57·0	56·0	57·0	56·0	57·0	57·0	57·0	57·0	57·3	57·5	58·5	56·9	3
4	56·5	55·0	57·0	57·5	57·5	57·5	57·5	57·5	57·5	57·5	57·5	57·5	57·5	57·5	58·3	56·9	4
5	56·5	55·3	57·0	57·5	58·5	58·0	58·5	58·0	58·0	57·0	57·5	57·5	57·5	57·5	58·2	57·2	5
6	57·0	56·5	57·0	57·0	59·5	58·0	59·0	59·0	58·5	58·0	57·0	58·0	57·5	57·5	58·0	57·4	6
7	58·0	57·0	58·0	59·0	61·0	60·0	60·0	59·5	59·5	59·0	57·0	58·5	57·0	58·0	58·5	58·3	7
8	59·0	59·0	59·5	59·5	62·5	61·0	62·0	60·0	60·0	60·0	59·5	59·5	57·5	59·3	59·5	59·4	8
9	58·5	59·0	60·0	59·5	61·0	60·5	62·0	60·0	59·5	59·5	60·0	60·0	58·5	59·5	59·5	59·5	9
10	57·5	57·5	57·5	57·0	58·0	58·0	59·0	58·0	57·5	58·0	59·5	59·5	58·5	59·5	59·0	58·1	10
11	57·5	56·0	56·0	55·5	55·0	55·0	55·5	55·0	54·0	56·0	58·0	58·5	57·5	57·5	57·5	56·5	11
Noon	57·5	54·0	55·0	54·0	53·0	52·5	53·0	54·0	52·5	54·0	57·0	57·0	57·0	56·0	56·5	54·9	Noon
13h	56·5	52·0	53·5	53·5	52·0	52·5	50·5	53·5	50·5	53·0	55·0	55·0	56·0	54·5	55·5	53·6	13h
14	55·0	52·0	57·0	53·5	52·5	53·0	50·5	53·5	49·5	52·5	54·0	54·5	55·5	54·3	56·5	53·3	14
15	54·5	53·0	55·0	55·5	54·0	54·5	53·0	55·0	51·0	52·7	54·5	54·0	55·0	55·0	56·5	53·6	15
16	55·5	55·0	55·5	56·0	55·5	56·5	54·5	56·0	53·0	53·5	55·5	54·5	55·5	56·0	56·5	54·4	16
17	56·0	56·5	56·0	56·5	57·0	58·0	56·0	57·0	55·5	55·5	56·5	55·0	56·5	56·5	57·5	55·7	17
18	57·0	57·0	56·5	56·7	56·5	57·5	56·5	57·0	57·0	56·7	57·0	56·5	56·5	57·0	56·5	56·3	18
19	56·7	57·0	56·5	57·0	58·0	57·0	57·0	57·5	57·5	57·0	57·0	57·0	57·0	58·5	57·0	56·5	19
20	56·5	57·0	56·5	56·5	57·5	57·0	57·5	57·5	57·5	58·0	57·5	57·0	57·0	57·0	57·0	56·7	20
21	56·5	57·5	56·5	57·0	57·5	57·0	57·0	57·5	57·5	57·5	57·5	57·3	57·5	57·3	57·0	56·8	21
22	56·5	57·3	56·5	56·5	57·0	57·0	57·0	58·0	57·5	57·7	57·0	57·5	57·3	57·0	57·0	56·7	22
23	56·5	57·0	57·0	56·0	56·7	56·7	56·5	57·0	57·0	57·0	57·0	57·5	57·3	57·0	57·0	56·6	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)

MARCH 1935.

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	558	539	538	531	540	541	540	530	521	539	520	532	546	526	515	520	Midnight
1h	557	540	539	535	541	535	537	535	527	539	525	535	547	531	525	527	1h
2	557	545	541	540	543	555	538	540	530	535	530	538	555	535	521	528	2
3	554	547	545	541	547	563	539	547	533	540	532	538	549	533	520	523	3
4	555	550	547	541	550	558	540	540	538	545	535	539	562	535	526	527	4
5	555	552	548	540	550	559	540	537	540	543	535	540	560	535	527	523	5
6	554	555	548	544	550	557	540	538	539	542	535	540	547	537	520	523	6
7	556	551	545	545	551	543	545	542	542	542	537	542	545	540	518	516	7
8	553	551	541	543	551	535	549	537	545	540	540	541	535	540	515	511	8
9	552	555	545	545	550	530	546	534	537	540	540	539	530	535	513	510	9
10	550	560	550	546	548	531	543	530	537	540	537	547	531	545	510	512	10
11	555	563	553	545	543	550	541	535	547	540	542	555	533	523	503	510	11
Noon	557	570	555	549	548	553	547	535	556	547	542	557	535	525	500	520	Noon
13h	550	555	560	549	551	555	547	535	565	549	540	555	528	520	490	510	13h
14	550	555	562	543	550	550	540	536	565	541	540	552	529	510	505	520	14
15	545	555	560	535	550	545	541	532	555	542	545	550	505	507	505	515	15
16	515	553	560	535	550	540	541	530	545	535	547	547	495	497	491	512	16
17	520	530	550	539	550	541	543	532	535	527	530	545	507	463	485	508	17
18	517	530	541	538	546	540	545	531	525	530	520	543	507	495	510	512	18
19	530	535	537	539	543	537	541	532	520	525	505	545	505	470	506	520	19
20	540	515	531	535	543	536	540	528	531	520	505	550	475	470	506	515	20
21	539	515	528	540	542	533	540	525	537	523	515	548	473	520	510	525	21
22	535	525	527	540	545	530	530	524	536	525	517	516	495	475	530	520	22
23	525	533	540	540	547	530	542	520	537	522	530	546	530	495	520	513	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	517	523	520	520	525	509	522	528	515	522	513	525	518	530	522	527·2	Midnight
1h	530	530	520	525	530	511	521	526	525	524	521	528	520	533	527	530·5	1h
2	527	535	523	526	523	512	524	523	518	528	521	532	524	538	527	532·6	2
3	527	533	523	523	535	529	527	538	518	527	526	533	529	536	522	534·7	3
4	535	548	525	523	535	526	529	533	519	525	526	534	526	540	527	536·7	4
5	533	543	535	522	530	525	529	531	519	524	525	535	529	540	525	536·4	5
6	532	530	533	525	530	522	529	534	520	527	527	536	530	545	528	536·0	6
7	532	530	533	523	530	532	525	548	523	527	530	542	537	550	527	537·0	7
8	531	530	537	522	529	529	530	568	525	528	531	547	544	555	526	537·0	8
9	531	531	536	526	530	531	524	563	530	532	541	548	545	563	527	537·3	9
10	534	535	531	530	533	530	529	549	536	535	551	550	544	562	527	538·4	10
11	533	540	527	530	528	526	531	548	531	537	559	557	547	560	532	539·4	11
Noon	536	550	523	535	528	519	535	548	533	537	563	555	547	562	533	541·9	Noon
13h	530	548	525	540	528	529	536	543	525	533	556	545	544	562	539	540·0	13h
14	522	541	530	541	535	536	531	536	518	527	551	535	536	558	531	537·9	14
15	515	535	527	535	537	531	529	528	508	522	543	521	531	553	532	533·3	15
16	510	530	522	530	530	529	524	518	505	519	531	518	529	546	522	527·8	16
17	510	525	518	525	527	524	523	501	510	521	526	520	528	560	517	523·8	17
18	512	523	519	526	520	524	525	498	511	521	526	522	528	523	514	523·3	18
19	523	523	520	525	500	523	524	493	515	512	526	523	529	508	507	520·6	19
20	521	525	520	520	495	523	525	493	519	503	525	522	530	526	512	519·3	20
21	520	513	522	512	490	522	524	503	519	504	526	519	530	528	515	521·2	21
22	524	507	525	520	525	522	524	508	521	505	527	520	530	533	518	522·8	22
23	524	507	516	520	505	522	526	516	522	509	526	520	530	523	519	524·3	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)

MARCH, 1935

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	689	693	693	692	690	689	690	690	693	692	695	695	690	693	697	696	Midnight
1h	689	693	692	692	690	691	690	690	692	692	695	695	690	693	695	696	1h
2	689	693	691	692	689	689	690	689	692	691	693	694	690	693	696	694	2
3	689	693	691	691	688	687	690	687	690	690	693	693	690	693	696	695	3
4	689	692	692	692	689	687	689	688	689	689	692	693	690	693	694	695	4
5	690	693	693	693	690	688	690	688	689	688	691	693	688	693	695	696	5
6	690	693	694	693	690	690	690	689	690	688	691	692	690	693	695	696	6
7	690	693	696	699	693	695	693	692	692	690	692	693	693	693	697	698	7
8	690	690	697	697	695	697	696	695	698	693	692	694	695	695	700	698	8
9	688	687	687	694	692	693	695	691	701	693	688	693	694	697	698	697	9
10	687	682	677	685	685	680	688	687	697	693	685	687	692	689	695	693	10
11	686	675	677	678	677	673	683	688	688	688	685	683	687	687	697	690	11
Noon	684	669	677	677	670	667	677	678	679	683	683	679	680	683	694	683	Noon
13h	683	671	677	677	668	665	673	676	675	678	680	678	674	679	693	683	13h
14	684	675	677	678	670	667	673	673	674	678	679	679	676	685	693	683	14
15	684	679	678	679	677	674	675	674	678	680	681	682	680	687	694	686	15
16	687	683	681	680	683	680	679	677	683	683	682	684	687	693	696	690	16
17	693	684	686	683	687	685	682	683	688	685	683	685	689	697	701	697	17
18	693	687	687	685	689	687	685	687	691	688	687	687	691	706	704	698	18
19	694	690	689	687	688	687	687	689	692	690	693	688	693	702	699	698	19
20	692	694	691	690	690	689	688	690	692	692	694	688	698	705	698	696	20
21	692	695	692	690	690	690	690	692	692	693	696	689	699	704	699	697	21
22	692	694	693	690	690	691	690	692	692	693	695	689	698	702	695	695	22
23	694	693	692	690	690	692	690	693	692	693	695	690	690	700	695	696	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	696	692	694	695	695	694	693	692	695	694	696	693	693	693	692	693·0	Midnight
1h	695	695	693	693	693	693	693	692	694	694	694	693	693	692	693	692·7	1h
2	695	692	693	693	694	693	693	692	693	693	694	693	693	692	692	692·2	2
3	695	693	693	693	693	692	693	689	693	693	693	693	693	692	693	691·8	3
4	694	692	693	693	692	693	693	690	693	693	693	693	693	692	693	691·8	4
5	695	693	693	695	694	694	693	691	693	693	693	693	693	692	693	692·1	5
6	695	694	694	696	696	697	694	693	694	693	693	693	692	692	694	692·7	6
7	697	697	697	701	700	698	698	693	696	695	693	693	693	693	695	694·8	7
8	698	699	699	702	699	698	698	694	695	696	696	693	693	693	697	695·9	8
9	696	696	699	699	690	695	692	696	693	695	694	691	692	689	698	693·6	9
10	693	692	692	693	682	686	683	693	686	693	689	687	692	682	693	688·3	10
11	690	687	690	687	678	679	674	689	680	692	680	684	687	679	689	684·1	11
Noon	687	682	687	684	677	676	668	687	680	692	678	679	684	676	684	680·3	Noon
13h	684	676	682	681	676	674	666	683	679	690	674	677	684	674	680	677·7	13h
14	687	680	685	683	679	677	670	685	680	690	679	682	685	678	684	679·6	14
15	688	687	687	687	682	684	677	690	687	692	688	687	690	685	686	683·4	15
16	692	693	689	692	687	692	683	693	693	693	694	689	693	689	687	687·3	16
17	692	697	691	694	690	693	687	696	695	695	695	692	695	688	690	690·3	17
18	696	696	692	693	690	692	688	696	697	696	694	693	695	690	690	691·9	18
19	696	696	694	694	694	692	691	696	697	696	694	692	694	694	693	692·9	19
20	696	697	695	694	696	693	692	697	696	697	694	693	694	693	695	693·8	20
21	696	697	695	697	698	695	693	697	696	697	694	693	694	692	694	694·5	21
22	696	697	694	697	695	694	693	699	695	697	694	693	693	690	693	693·9	22
23	695	696	695	693	694	694	692	696	695	696	694	693	693	690	693	693·4	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 1935.

Month and day 1935.	Observations at 10 a.m.									Temperature of the Air.							Amount of Rain measured at 10 a.m.	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.			
MAR.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	955·0	23·9	2·2	20·1	79	23·3	240	7·2	10	22·0	23·3	24·1	20·9	25·4	21·3	4·1	55·3	4·5	36
2	960·7	24·0	2·7	19·4	75	22·3	135	4·5	4	20·6	24·0	25·7	21·8	26·9	20·6	6·3	2·4	6·0	48
3	963·7	23·9	1·6	21·1	84	24·8	135	2·7	7	20·8	23·6	24·8	22·0	25·9	20·2	5·7	0·6	5·1	41
4	963·9	22·9	0·8	21·5	92	25·4	150	5·4	10	21·8	22·0	23·9	23·7	24·8	21·2	3·6	3·2	7·6	61
5	965·0	24·4	0·5	23·5	95	28·7	75	8·1	10	22·4	24·0	25·4	23·2	27·9	22·1	5·8	15·1	4·6	37
6	960·1	25·4	1·9	22·2	83	26·5	70	6·3	7	22·5	24·1	24·4	21·5	26·8	22·4	4·4	3·5	1·3	10
7	965·7	24·9	2·7	20·3	76	23·6	80	6·3	8	21·4	24·4	26·4	21·5	27·4	21·0	6·4	0·8	0·8	6
8	966·6	25·1	2·7	20·5	76	23·9	90	6·7	7	20·5	24·9	26·1	21·6	27·3	20·6	6·7	0·0	7·7	63
9	966·9	24·9	2·7	20·3	76	23·6	90	4·0	6	21·0	24·9	26·4	21·7	27·4	20·8	6·6	1·7	8·5	69
10	966·6	24·9	3·2	19·4	75	22·3	90	2·2	7	21·0	25·0	27·1	22·0	27·7	20·5	7·2	0·0	10·7	87
11	966·7	26·3	3·3	20·7	71	24·2	70	5·4	6	21·0	26·0	28·1	22·6	28·7	21·0	7·7	0·0	1·5	12
12	967·1	25·7	3·1	20·4	72	23·7	75	3·1	7	22·0	25·0	27·3	22·0	28·6	21·9	6·7	0·8	5·7	46
13	967·6	25·1	2·9	20·2	74	23·4	75	5·4	7	21·3	25·0	27·6	22·0	27·9	20·9	7·0	0·0	10·0	82
14	966·7	24·4	2·4	20·3	78	23·6	90	2·7	7	20·9	22·9	26·9	21·9	27·4	20·8	6·6	0·0	4·7	38
15	965·2	25·3	3·8	18·8	67	21·5	90	4·0	7	21·1	24·1	27·0	21·6	27·6	21·0	6·6	0·0	6·0	49
16	965·5	24·4	3·2	18·9	71	21·6	70	4·0	10	20·7	23·0	26·9	21·5	27·4	21·3	6·1	0·0	11·2	92
17	964·5	24·9	3·5	18·9	69	21·6	360	0·9	8	20·6	25·5	28·6	26·9	29·3	20·2	9·1	0·0	8·6	70
18	963·9	26·3	4·6	18·5	65	21·1	25	1·3	7	20·1	26·3	26·9	20·9	29·2	19·6	10·6	0·0	10·7	88
19	964·1	26·4	4·3	19·1	64	21·9	360	0·5	4	20·3	26·6	28·6	22·3	29·0	19·7	9·3	0·0	9·7	80
20	966·0	25·5	2·6	21·1	77	24·8	60	0·5	10	20·4	24·6	20·9	21·1	27·2	19·6	7·6	1·2	10·7	88
21	967·4	26·3	2·9	21·4	74	25·2	80	5·4	5	21·2	25·2	22·2	22·0	28·0	21·1	6·9	69·1	9·7	80
22	967·3	26·0	2·1	22·5	81	27·0	65	4·5	9	22·0	24·3	22·0	24·3	28·0	21·0	7·0	8·7	10·8	89
23	966·3	25·9	2·4	21·8	78	25·9	55	5·4	6	22·4	23·5	25·5	22·8	27·6	22·1	5·5	0·9	5·6	46
24	965·1	25·9	3·5	19·9	69	23·0	Calm		7	19·6	22·0	22·0	21·8	28·6	19·5	9·1	30·7	2·4	20
25	965·1	25·3	2·9	20·4	74	23·7	Calm		9	20·0	24·7	23·0	20·6	28·9	19·9	9·0	18·2	10·5	87
26	965·3	23·5	2·4	19·3	77	22·2	Calm		10	19·5	20·0	26·9	21·2	27·2	20·8	6·4	53·4	7·0	58
27	965·4	26·3	3·8	19·9	68	23·0	Calm		8	20·0	20·9	24·9	20·3	27·4	17·9	9·5	0·0	0·2	2
28	966·0	25·0	3·1	19·7	72	22·7	90	1·3	1	19·9	24·1	24·4	21·0	28·0	19·8	8·2	0·0	7·4	62
29	965·6	25·9	2·7	21·3	76	25·1	70	2·2	10	20·4	25·3	26·3	22·2	27·6	19·6	8·0	0·0	5·7	47
30	966·4	21·9	1·4	19·4	86	22·3	Calm		10	21·4	20·9	24·9	22·0	25·6	21·0	4·6	8·8	11·2	94
31	966·7	24·2	1·3	22·0	88	26·2	70	0·9	10	21·3	23·5	24·2	21·7	26·6	21·4	5·2	5·3	11·2	94
Mean	965·3	25·0	2·7	20·4	76·2	23·8	° ...	3·3	7·5	21·0	24·0	25·5	22·0	27·5	20·7	6·9	279·7	7·01	57·5
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	41·3mbs.	Amount of rain	—	187·7mms.
Temperature of the Air	+	2·1°C	Duration of sunshine	+	25·5hrs
Vapour Pressure	+	2·5mbs.	Mean of maximum temperatures	+	1·4°C
Relative Humidity	—	2·1%	,, minimum temperatures	+	1·9°C
Velocity of Wind	+	0·2mps.	Absolute maximum temperature	+	0·9°C
Amount of Cloud	—	1·0	,, minimum temperature	+	3·4°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1935

Month and Day 1935.	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)
MAR.	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	995·3	− 9·6	28·7	22·2	6·5	25·6	− 0·1	2·5	21·3	− 0·5	77	− 2	25·1	20·8	0·0	...	3·0	7·9
2	1001·2	− 3·7	29·0	22·0	7·0	25·1	− 0·5	2·8	20·3	− 1·4	75	− 5	26·3	20·0	0·0	...	5·2	3·7
3	1004·3	− 0·6	28·2	22·4	5·8	24·7	− 0·9	2·0	21·3	− 0·4	82	+ 2	25·1	20·8	0·1	2	7·0	6·1
4	1003·9	− 1·1	27·9	23·6	4·3	25·4	− 0·2	1·9	22·2	+ 0·3	83	+ 3	26·5	22·8	0·7	14	3·7	7·1
5	1004·8	− 0·2	29·0	24·7	4·3	26·3	+ 0·7	1·2	24·3	+ 2·4	89	+ 9	30·1	24·4	3·2	51	2·4	8·1
6	1006·4	+ 1·4	28·3	23·7	4·6	25·5	− 0·1	1·4	23·1	+ 1·2	87	+ 7	28·0	21·2	2·5	30	3·9	8·1
7	1006·4	+ 1·3	29·0	23·0	6·0	25·5	− 0·1	2·3	21·6	− 0·3	79	− 1	25·5	21·8	0·7	13	4·7	3·5
8	1007·4	+ 2·3	28·5	22·5	6·0	25·4	− 0·2	2·4	21·3	− 0·6	78	− 2	25·1	21·8	0·0	...	5·0	4·0
9	1007·8	+ 2·6	29·1	22·9	6·2	25·5	− 0·1	2·5	21·2	− 0·7	77	− 3	24·9	21·8	0·0	...	6·6	3·5
10	1007·5	+ 2·3	29·2	22·0	7·2	25·3	− 0·3	2·6	20·9	− 1·0	77	− 3	24·5	19·4	0·0	...	7·2	2·0
11	1007·3	+ 2·0	29·6	22·7	6·9	25·9	+ 0·3	2·2	22·2	+ 0·3	80	0	26·5	22·8	0·0	...	5·7	2·5
12	1008·3	+ 3·0	29·3	23·7	5·6	25·8	+ 0·2	2·0	22·4	+ 0·5	81	+ 1	26·8	22·4	1·3	21	6·3	5·0
13	1008·1	+ 2·7	29·2	23·0	6·2	25·5	0·0	3·0	20·4	− 1·4	73	− 7	23·7	20·0	0·0	...	6·6	3·1
14	1007·3	+ 1·9	28·8	22·1	6·7	25·2	− 0·3	2·8	20·4	− 1·4	75	− 5	23·7	19·6	0·0	...	6·4	3·4
15	1006·7	+ 1·2	29·2	22·8	6·4	25·4	− 0·1	2·8	20·6	− 1·3	75	− 5	24·0	21·6	0·0	...	5·9	4·2
16	1005·7	+ 0·2	28·7	22·0	6·7	24·9	− 0·6	2·3	20·9	− 1·0	79	− 1	24·5	20·8	0·0	...	5·4	6·8
17	1005·0	− 0·6	30·2	22·6	7·6	25·5	0·0	2·1	21·9	0·0	80	0	26·0	20·4	1·9	27	6·0	8·4
18	1004·4	− 1·3	29·9	21·3	8·6	25·2	− 0·3	2·0	21·8	− 0·1	82	+ 2	25·9	19·6	0·1	2	3·8	5·0
19	1004·6	− 1·1	30·1	21·7	8·4	25·7	+ 0·2	2·2	22·0	+ 0·1	80	− 1	26·2	19·8	0·3	5	6·0	5·0
20	1006·6	+ 0·8	30·0	22·3	7·7	25·1	− 0·4	1·7	22·2	+ 0·3	84	+ 3	26·5	20·8	14·3	72	4·8	7·9
21	1007·5	+ 1·7	29·0	23·5	5·5	25·3	− 0·1	1·5	22·7	+ 0·9	86	+ 5	27·3	22·5	8·2	27	4·9	7·4
22	1008·0	+ 2·1	29·2	23·4	5·8	26·0	+ 0·6	1·9	22·8	+ 1·0	83	+ 2	27·5	22·8	0·0	...	4·8	4·6
23	1006·7	+ 0·8	29·0	23·3	5·7	25·6	+ 0·2	1·5	23·0	+ 1·2	86	+ 5	27·8	21·0	21·3	56	4·4	8·2
24	1005·6	− 0·4	28·3	21·3	7·0	24·8	− 0·6	2·2	21·0	− 0·8	79	− 2	24·6	20·4	6·6	13	4·0	7·6
25	1005·0	− 1·0	29·8	21·7	8·1	25·2	− 0·2	1·8	22·1	+ 0·3	83	+ 2	26·3	20·2	0·0	...	4·2	5·6
26	1005·2	− 0·9	28·8	21·5	7·3	24·0	− 0·7	1·3	22·4	+ 0·7	87	+ 6	26·7	21·0	10·0	35	3·8	6·1
27	1006·3	+ 0·2	29·3	21·5	7·8	24·5	− 0·8	1·8	21·4	− 0·3	83	+ 2	25·2	19·6	0·2	5	4·7	3·7
28	1006·8	+ 0·7	28·7	21·6	7·1	24·5	− 0·8	2·2	20·7	− 1·0	80	− 1	24·2	19·6	0·0	...	3·3	3·5
29	1006·0	− 0·2	28·8	22·9	5·9	25·3	0·0	1·5	22·7	+ 1·0	86	+ 5	27·3	22·2	3·1	7	2·7	7·9
30	1007·1	+ 0·9	26.6	22·9	3·7	24·2	− 1·0	0·9	22·7	+ 1·1	91	+ 11	27·3	22·0	10·4	94	2·8	9·3
31	1007·4	+ 1·1	27·2	23·4	3·8	24·7	− 0·5	1·1	22·8	+ 1·2	89	+ 9	27·5	21·8	7·1	38	2·0	8·5
Mean	1005·8	− 0·3	28·9	22·6	6·3	25·3	− 0·2	2·0	21·8	0·0	81·5	+ 1·2	25·9	21·2	Sum 92·0	Sum 512	4·8	5·8
Aver.	1005·5	...	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 1935.

During the first few days of the month, the Island was still under the influence of the receding cyclone which skirted the East Coast on the 28th February. Pressure kept low with general calms and variable weather.

Normal conditions were resumed on the 5th and fine weather with mild anticyclonic conditions then prevailed until the 16th, when the passage of a "low" to the South of Mauritius, moving Eastwards, brought a little rain.

On the 21st a small disturbance from off the South West Coast of Madagascar in the vicinity of Tulear and travelled South East. This distant depression brought considerable thunderstorm and some rain at Mauritius, especially in the afternoon. Conditions afterwards remained variable for the rest of the month.

Except on the 1st, there occurred no large fluctuations either in pressure or temperature during the month. Rainfall was considerably in defect, the total amounting to 42% only of the average fall.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1935.

Month and Day 1935.	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
MARCH	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.									
1	6·2	50	4·7	+ 1·4	24·9	...	27·8	26·8			c	:	o :	c	:	bc	.
2	11·7	94	2·8	− 0·5	24·7	..	27·7	27·2	b :					bc :			.
3	3·5	28	2·9	− 0·4	25·1	...	27·7	27·8	bc :		c :		bc	: cr$_o$:		bc : b	.
4	2·5	20	3·5	+ 0·2	25·2	...	27·7	27·7	bd$_o$:		cr$_o$:		o :		c	. bc	.
5	6·1	49	5·0	+ 1·7	25·1	...	27·7	27·8	bcd$_o$:		cr$_o$r$_o$:		bc :	bcr$_o$:	c :	cr$_o$: c	.
6	6·6	53	4·5	+ 1·2	25·1	...	27·6	27·8	cr$_o$:	cq$_o$:	bc :		cr$_o$:	bc d$_o$d$_o$:		c : or$_o$	.
7	11·2	91	3·8	+ 0·5	25·1	...	27·7	28·0	bcd$_o$:		b :		bc :	bc d$_o$:		b : b$_o$	.
8	10·6	86	3·5	+ 0·2	25·1	...	27·7	28·0	bc :	b :			bc			: b	.
9	10·7	82	3·6	+ 0·3	25·1	...	27·7	28·0	b :			bc				: b$_o$	.
10	11·5	94	2·7	− 0·6	25·1	...	27·8	28·3		b$_o$:	b :		bc	.	b	: b$_o$	.
11	11·1	90	2·8	− 0·5	25·1	...	27·8	28·3	b$_o$:		b :		bc		:	b	.
12	11·1	90	2·9	− 0·4	25·1	...	27·9	28·4			bcr$_o$r$_o$:		bc	: c	:	b	.
13	11·2	92	3·1	− 0·2	25·1	...	27·9	28·3			b :		bc		:	b	.
14	11·6	95	2·5	− 0·7	25·4	26·5	28·0	28·3			b :		bc		:	b	.
15	11·2	92	3·1	− 0·1	25·3	26·4	28·0	28·3	b :			bc			:	b	.
16	6·7	55	2·5	− 0·7	25·3	26·7	28·0	28·3		b :			c	:		o	.
17	5·9	48	2·0	− 1·2	25·3	26·6	28·0	28·2			c :		bc	:	o r$_o$ r$_o$:	o	.
18	9·8	81	1·8	− 1·4	25·1	26·6	28·0	28·2		b :			bc		:	c	.
19	11·0	91	1·7	− 1·5	25·3	26·6	28·0	28·2	c :					bc			.
20	4·9	40	1·8	− 1·4	25·4	26·5	28·0	28·3	bcr :	c :	bc :	c	:cr$_o$tsm;	oRR :		o	.
21	6·6	55	2·8	− 0·4	25·3	26·6	28·0	28·2	c :	bcr$_o$:		bc	: cRRtsm :			c	.
22	10·7	88	3·1	− 0·1	25·4	26·6	28·0	28·0				bc			:	b	.
23	5·3	44	2·1	− 1·1	25·4	26·6	28·0	28·2	bc d$_o$	: bc :		c R R	:	c :		or tsm	.
24	7·5	63	2·2	− 1·0	25·4	26·6	28·0	28·0	orrtsm :	o :			c		:	bc	.
25	8·3	69	1·5	− 1·7	25·4	26·6	28·0	28·0	b :	bc :		c :		bc		; b	.
26	5·4	45	1·2	− 2·0	25·4	26·6	28·0	28·0	b :	bc :	crrtsm :		c	: bc	:	bc tsm	.
27	8·5	71	1·8	− 1·4	25·4	26·7	28·0	27·9			b	: bc	: cr$_o$	:		bcl	.
28	7·2	60	2·1	− 1·1	25·4	26·8	28·0	27·9			b		.	bc	: bcl	: bl	.
29	6·3	53	1·9	− 1·3	25·4	26·5	27·9	27·9	bc :		c :	cR	:	c	: cl	: ogr$_o$	.
30	1·0	9	1·9	− 1·3	25·5	26·6	27·8	27·7		c rr	:	orr	:		o	: or$_o$	.
31	1·5	13	2·1	− 1·1	25·4	26·5	27·8	27·4		c rr	: bc :		orr	:	o	: bc	.
Mean	7·83	64·2	2·71	−0·53	25·24	26·59	27·87	27·98	.....								
Average	7·55	55·0	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 1935.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1010·0mbs	at 22 & 23hrs.	on 12th	991·3mbs	at 00·00hrs.	on 1st
Temperature of the Air	30·2°C	at 12·20hrs.	on 17th	21·3°C	at 05h.50—00·55hrs.	on 18th-23rd
Daily range of temperature of the Air ...	8·4°C	...	on 19th	3·7°C	.	on 30th
Temperature of the Dew Point	25·1°C	at 10.00hrs.	on 5th	18·5°C	at 15·00hrs.	on 14th
Daily range of temperature of the Dew Point	4·5°C	...	on 27th	1·6°C	...	on 5th
Minimum on Grass	...	...	...	19·4°C	...	on 10th
Relative humidity	98·1%	at 16.00hrs.	on 20th	55·9%	at 16·00hrs	on 13th
Vapour Pressure	31·5mbs.	at 10.00hrs.	on 5th	21·1mbs.	at 15.00hrs.	on 14th
Wind Velocity	8·0m.p.s.	at 11·00hrs.	on 12th	0·6mps	...	often
Rainfall in 24 hours	27·6mms. ending 03·00hrs		on 24th	...	...	...
Evaporation in 24 hours	7·2mms	...	on 10th	2·0mms	...	on 31st
Duration of sunshine	11·7hrs	...	on 2nd	1·0h.	...	on 30th

Mean Day Temperature of Air, 25·65°C. Average 26·86°C. Mean Night Temperature of Air, 23·08°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.	1.0 — 4.9 mms.	5.0 — 9.9 mms.	10.0 — 24.9 mms.	25.0 and over mms.	Lightning	Thunderstorm
...	7	11	13	..	6	5	3	4	...	3	5

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 1935.

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	913	998	040	052	042	066	070	072	085	086	080	082	090	083	073	067	Midnight
1h	914	997	037	048	041	062	062	070	082	080	072	080	083	077	065	064	1h
2	915	995	030	046	040	057	060	067	079	080	068	077	080	070	060	059	2
3	916	993	031	040	033	051	055	066	076	080	066	075	073	065	055	053	3
4	918	992	030	038	032	052	057	065	073	075	063	071	073	062	056	051	4
5	935	993	032	038	035	057	060	068	075	070	064	075	077	064	058	053	5
6	937	995	035	039	040	062	061	070	077	072	070	080	080	070	062	058	6
7	939	002	037	042	042	067	065	072	080	074	077	083	082	075	068	060	7
8	950	010	045	045	045	071	070	079	081	080	080	087	087	080	073	064	8
9	958	017	054	048	050	075	070	079	083	081	080	086	088	085	079	063	9
10	959	013	050	052	060	075	070	080	085	080	080	085	087	083	077	062	10
11	959	013	047	049	053	071	070	078	085	080	077	083	087	080	075	060	11
Noon	955	010	050	043	050	065	065	075	080	076	073	080	085	073	067	061	Noon
13h	953	005	040	032	045	060	058	070	071	070	067	074	075	070	064	050	13h
14	950	001	038	027	047	057	054	067	068	060	062	070	070	062	060	047	14
15	950	000	035	022	035	052	053	062	065	060	060	072	080	060	055	042	15
16	948	000	035	020	033	056	055	063	066	060	063	074	080	060	056	044	16
17	952	009	038	021	041	057	056	068	067	061	064	080	071	063	060	045	17
18	957	017	041	026	049	060	060	073	074	070	070	085	075	070	063	050	18
19	965	025	050	031	056	065	065	077	077	075	076	090	080	075	070	060	19
20	988	035	052	040	065	070	071	084	082	078	082	098	087	080	075	062	20
21	993	039	059	045	070	073	073	087	088	082	087	100	090	081	079	065	21
22	005	040	059	046	073	073	075	088	091	082	087	100	090	080	077	065	22
23	007	041	056	048	069	071	076	087	090	080	087	093	090	077	075	068	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	066	057	045	060	077	080	079	071	061	052	060	076	079	066	079	1006·2	Midnight
1h	055	052	042	051	073	078	076	068	058	046	056	073	070	062	072	1005·7	1h
2	053	046	039	055	069	077	072	056	055	043	053	069	057	060	070	1005·3	2
3	046	042	037	055	065	074	069	048	053	039	050	067	056	057	065	1005·0	3
4	043	037	035	056	066	076	068	049	052	043	051	066	055	056	064	1004·9	4
5	050	040	034	057	067	078	067	051	051	046	055	067	054	062	066	1005·2	5
6	050	043	039	058	069	079	068	053	050	050	059	070	055	068	071	1005·5	6
7	050	050	043	062	077	085	068	059	052	053	062	071	058	073	073	1005·8	7
8	060	054	047	066	084	090	069	060	054	057	067	076	066	084	078	1006·3	8
9	060	057	050	069	083	093	069	062	057	061	070	078	070	082	085	1006·6	9
10	059	051	050	072	080	093	071	069	055	063	070	073	069	080	084	1006·6	10
11	057	046	049	070	078	084	070	067	052	061	066	065	065	081	082	1006·3	11
Noon	045	043	047	068	076	081	065	065	048	053	062	059	055	076	079	1005·9	Noon
13h	041	039	043	064	069	084	060	055	045	049	056	055	052	073	077	1005·4	13h
14	035	035	039	059	067	087	055	050	042	040	052	056	047	062	072	1005·0	14
15	035	031	035	054	065	071	050	048	038	041	053	057	046	060	065	1004·7	15
16	039	032	036	058	068	071	051	047	039	042	056	060	046	062	063	1004·8	16
17	040	033	041	064	071	072	058	046	040	047	060	060	052	068	065	1005·1	17
18	045	034	046	070	073	072	065	046	043	050	065	067	058	068	070	1005·5	18
19	049	040	053	075	080	075	067	050	049	057	067	072	061	072	075	1006·1	19
20	056	046	060	080	087	078	069	055	052	057	075	075	065	079	080	1006·6	20
21	057	051	067	086	086	082	071	059	057	062	077	073	071	082	082	1007·0	21
22	060	051	065	086	084	081	073	060	055	062	080	077	070	084	085	1007·1	22
23	059	050	063	082	083	080	074	061	051	062	080	073	068	080	081	1007·0	23

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

Hour. \ Day.	MARCH 1935.																														
	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	10	1	5	1	5	9	7	7	2	0	0	2	1	2	1	4	10	6	7	7	8	7	3	10	3	2	2	2	2	8	10	4·6
1h	10	1	4	1	5	9	6	6	3	0	0	4	1	3	1	3	9	3	6	7	7	6	6	10	3	2	2	1	3	9	10	4·6
2	9	1	4	2	6	10	5	4	3	0	0	8	1	3	2	2	10	3	9	7	6	3	7	10	3	1	3	1	7	9	10	4·8
3	9	1	4	2	7	9	4	2	4	0	1	5	1	6	3	1	9	2	8	8	6	3	9	10	2	1	4	3	9	8	8	4·8
4	10	1	6	5	9	9	2	3	3	0	1	4	2	4	8	1	9	2	8	8	7	3	7	10	2	2	4	7	8	8	9	5·2
5	9	3	8	9	10	9	1	5	2	0	1	2	2	3	4	2	9	1	3	4	10	5	6	10	4	8	5	3	8	9	9	5·3
6	9	6	9	9	10	8	1	6	7	1	2	5	2	2	2	3	9	1	1	2	4	6	5	9	8	9	2	1	8	9	7	5·3
7	9	5	8	8	8	6	1	8	5	2	2	5	2	2	3	4	8	1	1	2	3	5	4	9	8	10	1	1	7	10	7	5·0
8	8	5	8	8	8	6	2	6	3	3	3	5	3	3	4	9	9	4	2	6	3	6	7	7	8	10	1	1	7	10	8	5·6
9	8	5	8	8	9	7	4	4	3	4	3	6	4	4	4	9	9	5	5	8	4	6	8	7	8	10	1	2	7	10	10	6·1
10	8	5	7	10	7	8	5	4	6	5	5	7	4	5	6	8	5	7	5	8	7	6	8	8	8	7	3	3	9	10	9	6·5
11	10	5	7	10	7	9	5	4	6	4	6	6	5	5	6	8	5	7	5	8	6	6	10	7	8	9	5	4	8	10	10	6·8
Noon	10	5	8	10	7	7	5	4	6	5	5	6	5	5	5	8	5	7	5	9	7	6	9	7	8	9	4	6	9	10	10	6·8
13h	10	5	7	9	7	6	5	4	5	5	5	5	5	5	5	8	7	7	4	9	9	5	8	7	8	9	8	7	9	9	10	6·8
14	8	4	7	9	9	8	7	5	4	5	5	4	7	5	6	8	6	5	4	9	8	5	9	6	7	7	8	7	8	9	10	6·7
15	7	3	7	9	8	6	8	5	3	5	5	8	6	4	7	8	8	5	4	9	9	5	9	6	7	7	8	9	7	8	10	6·8
16	7	3	7	9	8	7	8	4	3	4	4	8	6	4	7	8	9	5	5	9	9	5	9	6	7	5	6	7	7	8	10	6·6
17	7	4	8	9	8	8	3	4	4	3	3	9	5	5	7	8	9	6	4	9	9	5	9	9	7	5	5	5	8	9	10	6·6
18	10	5	9	10	9	9	2	3	4	2	3	9	4	5	4	10	10	6	4	10	10	5	10	10	9	9	4	4	10	10	10	7·1
19	8	3	8	8	10	9	2	3	0	1	2	5	2	3	2	9	10	7	2	10	9	4	10	9	6	7	3	3	8	10	10	6·1
20	0	2	7	9	8	10	1	2	2	0	2	3	2	2	3	10	10	8	6	10	9	3	10	7	4	6	2	2	8	10	6	5·5
21	5	6	2	4	10	10	1	2	0	0	1	2	1	1	4	10	10	8	9	10	10	3	10	5	2	4	2	2	10	10	4	5·1
22	4	4	1	0	9	9	0	2	0	0	1	2	1	1	3	10	10	8	8	10	9	3	10	4	2	3	3	2	10	10	3	4·8
23	3	4	0	4	8	8	0	1	0	0	0	1	2	0	2	10	10	6	6	10	8	2	10	4	3	4	2	2	9	10	3	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.	MARCH 1935.																														
	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	0·0
7	0	50	0	0	15	32	55	10	21	45	31	42	44	50	34	40	3	45	50	45	30	19	15	0	1	0	50	38	1	0	25	13·2
8	0	60	10	44	18	34	60	45	60	60	60	55	60	60	60	35	29	59	59	28	60	55	20	22	50	0	60	60	40	0	35	21·6
9	0	60	25	60	16	46	60	60	60	60	60	60	60	60	60	5	40	50	60	6	60	57	30	40	53	0	60	60	35	0	6	21·8
10	27	60	12	16	33	50	60	60	60	60	60	58	58	58	60	55	58	55	56	47	55	60	50	58	23	5	60	60	16	0	18	23·5
11	50	60	32	0	55	27	60	60	60	60	60	58	60	60	60	8	55	60	56	40	60	60	25	50	57	21	56	60	43	0	5	23·8
Noon	60	60	58	0	51	55	60	60	60	60	60	60	53	60	60	6	60	60	55	30	52	60	29	42	55	50	58	56	45	0	0	24·6
13h	60	60	23	13	45	50	60	60	60	60	60	58	60	60	58	58	15	58	53	60	35	60	53	9	54	55	5	7	50	0	0	22·6
14	58	60	11	9	50	30	60	60	60	60	60	60	60	60	55	60	55	58	60	39	25	60	15	53	56	59	0	40	51	27	0	23·5
15	60	60	10	9	45	60	60	60	60	60	60	60	55	60	60	60	20	60	60	0	22	60	50	60	57	43	35	3	40	25	0	22·7
16	45	60	29	0	22	10	43	60	60	60	60	60	60	60	60	60	20	34	58	0	0	60	24	42	54	57	55	0	36	8	0	19·9
17	0	60	0	0	12	0	58	58	45	60	60	58	60	60	60	12	0	30	60	0	0	60	5	50	31	30	59	40	23	0	0	16·4
18	0	50	0	0	4	0	40	40	0	46	35	40	40	47	45	1	0	26	35	0	0	32	0	26	4	6	20	6	0	0	0	9·0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0

The total Amount of Registered Sunshine was 242.8 hrs. and the total possible sunshine was 377·6 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*)

MARCH 1935.

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

MARCH 1935.

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	23·2	1·2	23·3	0·8	22·8	0·8	23·3	0·5	23·4	0·7	24·3	0·7	24·8	0·8	23·4	1·6	Midnight
1h	23·4	1·2	22·7	0·7	22·5	0·7	23·7	0·8	23·8	1·0	24·3	0·7	24·6	0·7	22·5	1·6	1h
2	23·9	1·2	22·5	0·6	22·4	0·7	23·4	0·6	23·9	1·0	24·0	0·6	24·5	0·5	22·0	1·1	2
3	23·5	1·0	22·2	0·9	22·3	0·7	23·5	0·7	23·8	0·9	24·0	0·7	24·6	0·6	21·8	1·0	3
4	23·6	1·1	21·9	0·6	22·7	0·7	23·2	0·9	23·9	0·9	24·0	0·7	24·3	0·6	21·9	1·0	4
5	23·0	1·0	21·7	0·7	22·0	0·6	22·6	1·0	23·8	0·8	23·7	0·8	23·7	0·8	22·0	1·2	5
6	23·0	0·8	21·5	0·5	21·7	0·7	22·8	0·8	23·5	0·6	23·5	0·5	23·7	0·6	22·3	1·4	6
7	23·0	1·0	23·1	0·6	23·2	1·2	23·5	1·2	24·0	1·0	23·7	0·7	24·2	0·7	22·7	1·5	7
8	24·0	1·3	25·6	1·6	26·1	1·7	26·0	1·7	26·4	1·9	25·5	1·4	25·7	1·4	24·4	2·4	8
9	26·0	3·0	27·2	3·1	27·3	3·0	27·2	2·9	27·4	2·6	27·0	2·0	25·5	0·9	25·7	2·7	9
10	28·0	4·5	27·9	2·9	27·7	2·8	27·6	3·1	27·2	2·7	27·8	3·1	27·7	3·1	27·0	3·6	10
11	28·9	4·6	28·5	4·0	29·0	4·7	28·0	3·5	28·0	3·4	28·4	3·5	27·2	2·6	27·6	4·1	11
Noon	29·7	4·6	29·0	4·2	29·3	4·4	28·6	3·8	28·0	3·1	28·8	4·1	27·2	2·4	27·6	4·2	Noon
13h	28·5	4·5	28·9	4·8	29·3	4·4	28·9	4·9	27·8	2·8	28·9	4·9	28·4	3·1	27·6	3·3	13h
14	29·2	4·1	29·4	4·4	30·0	5·0	29·2	4·2	25·7	0·9	28·5	3·8	28·4	2·7	28·4	3·4	14
15	38·4	3·4	29·0	4·0	30·0	4·5	27·9	3·9	26·4	1·7	28·5	4·0	26·7	1·7	28·7	5·1	15
16	28·2	3·3	28·0	4·0	29·0	4·0	24·9	0·2	25·9	1·8	28·3	3·6	27·6	2·6	28·1	3·3	16
17	27·2	4·0	27·4	3·4	28·7	3·7	24·9	0·8	25·5	1·9	27·7	3·2	26·8	1·8	27·8	3·6	17
18	26·0	0·9	26·9	3·2	27·5	3·0	24·1	0·8	25·3	1·6	26·7	1·8	26·0	1·8	26·4	2·7	18
19	25·4	1·0	25·3	1·7	25·9	1·9	25·7	0·9	24·8	1·1	25·7	1·5	24·9	1·1	24·7	1·2	19
20	24·2	0·9	24·4	1·5	25·0	1·5	23·5	0·8	25·0	1·0	25·3	1·3	24·7	1·6	24·0	1·0	20
21	24·1	0·4	23·6	0·3	24·4	1·3	23·4	0·5	24·7	0·7	25·1	1·1	24·4	1·3	23·7	1·0	21
22	23·5	0·7	23·3	0·7	24·0	1·1	23·7	0·8	24·5	0·6	24·9	0·9	24·3	1·1	23·3	1·3	22
23	23·2	0·7	23·0	0·9	24·0	1·1	23·8	0·9	24·4	0·6	24·9	0·9	24·4	1·1	22·7	1·2	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	22·5	1·1	23·1	0·6	22·9	0·7	22·5	1·4	23·1	1·2	23·7	0·7	23·7	0·7	23·7	1·1	Midnight
1h	22·4	1·0	23·0	0·6	22·7	0·7	22·7	1·6	23·1	1·2	24·3	0·5	23·8	0·8	23·5	1·0	1
2	22·0	0·8	22·8	0·7	22·4	0·6	22·4	1·3	23·4	1·4	23·8	0·8	23·6	0·6	23·4	1·0	2
3	21·7	0·6	22·6	0·6	22·3	0·7	21·9	0·9	23·2	1·1	23·7	0·7	23·5	0·5	23·3	1·0	3
4	21·7	0·6	22·3	0·6	21·7	0·7	22·6	1·5	23·3	1·1	23·5	0·6	23·6	0·6	23·2	0·9	4
5	21·7	0·4	22·5	0·7	21·5	0·6	21·9	1·1	23·5	0·9	23·7	0·7	23·6	0·6	23·1	1·0	5
6	22·4	0·7	22·7	0·7	21·7	0·7	22·0	1·4	23·6	0·8	23·6	0·6	23·7	0·7	23·1	0·9	6
7	22·4	0·4	23·0	0·3	22·4	0·4	22·8	1·3	23·9	0·9	23·9	0·4	24·4	0·7	23·8	1·1	7
8	25·0	1·0	21·5	0·6	25·0	1·3	25·3	2·8	25·2	1·2	22·8	0·3	25·6	1·2	25·3	1·8	8
9	26·8	1·9	22·6	0·6	26·8	2·5	26·3	3·4	26·4	1·9	23·3	0·6	25·6	1·6	26·3	2·5	9
10	27·2	2·3	24·3	0·8	28·1	3·2	27·0	3·6	26·3	1·3	24·0	1·0	26·6	1·8	27·1	3·0	10
11	27·6	2·9	25·5	2·5	28·7	2·6	27·5	3·8	27·5	2·5	23·4	0·7	26·6	1·9	27·5	3·4	11
Noon	28·3	3·3	26·8	2·8	29·1	3·3	28·5	4·4	27·2	2·3	23·5	0·7	26·4	1·9	27·9	3·6	Noon
13h	28·9	3·4	28·0	2·3	26·8	2·1	27·9	3·9	28·0	3·0	24·6	1·6	26·3	1·5	28·0	3·7	13h
14	29·6	4·6	28·5	2·8	26·2	2·2	28·4	3·4	28·7	3·2	25·8	2·0	25·4	1·2	28·1	3·6	14
15	29·3	3·7	27·9	2·6	26·4	2·4	26·5	2·8	27·8	3·1	26·0	2·0	25·7	1·6	27·8	3·7	15
16	28·9	3·4	28·2	2·7	26·7	3·1	25·7	3·0	27·3	2·3	26·2	2·7	25·9	1·7	27·4	3·4	16
17	27·7	3·4	27·2	2·2	26·4	3·1	25·9	3·2	26·9	2·2	25·6	1·9	25·7	1·7	26·8	3·0	17
18	26·7	2·4	26·3	1·4	24·9	2·3	24·7	2·6	26·2	1·6	24·9	1·3	24·9	1·1	25·9	2·3	18
19	25·6	1·0	25·3	0·6	23·9	1·9	23·5	1·5	25·7	1·3	24·3	0·9	24·2	1·2	24·9	1·6	19
20	24·7	0·8	24·7	0·7	23·0	1·4	23·0	1·1	24·7	1·0	24·2	0·8	23·9	1·0	24·4	1·4	20
21	24·2	1·2	24·2	0·7	23·0	1·5	23·0	1·3	24·5	0·6	24·3	0·7	23·8	1·0	24·1	1·2	21
22	23·7	0·8	23·5	0·6	22·4	1·3	22·8	1·1	24·0	0·7	24·2	0·7	23·7	1·0	23·9	1·1	22
23	23·5	0·8	23·0	0·9	22·4	1·4	22·7	1·0	23·9	0·8	24·4	0·7	23·6	1·0	23·8	1·1	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during MARCH 1935.

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 1935.

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	21	6·8	16	1·7	17	1·8	13	2·5	11	2·5	10	4·3	12	4·0	11	2·0	12	1·1	11	3·1	11	1·8	10	2·5	10	2·7	11	1·4	10	3·0	11	1·8
1h	20	5·6	15	0·8	16	1·8	13	2·8	10	2·9	10	4·5	10	4·1	11	0·8	11	3·7	11	4·0	11	2·0	10	2·2	10	2·2	11	1·1	10	2·1	11	1·7
2	19	4·5	15	1·7	16	1·8	14	3·1	09	3·8	09	4·5	11	3·1	11	2·6	11	2·2	11	2·5	11	1·9	10	1·4	11	1·9	11	1·2	10	1·8	11	1·8
3	19	5·4	15	0·7	15	2·4	14	2·9	10	4·0	10	4·6	10	4·4	10	2·5	11	2·7	12	2·0	11	1·9	11	1·5	11	2·3	11	1·2	11	1·9	11	1·7
4	19	6·4	15	1·3	15	1·8	13	3·8	10	3·9	09	5·1	11	3·8	10	2·4	11	2·9	12	1·8	11	2·3	10	1·7	11	2·2	11	1·6	11	1·8	11	1·8
5	22	5·9	16	2·0	15	1·1	14	3·9	10	4·1	10	5·1	11	3·1	10	2·2	11	2·6	12	1·7	11	2·2	10	1·4	11	2·6	11	1·3	11	2·1	11	1·6
6	21	4·7	21	1·5	18	1·9	16	2·3	09	3·4	09	5·5	11	3·6	10	3·0	11	2·4	12	2·0	11	1·8	10	1·9	11	1·8	11	1·6	11	1·9	11	2·1
7	21	4·2	21	1·5	18	0·9	19	1·7	09	6·1	09	3·4	11	3·7	10	2·6	11	2·9	12	1·9	11	1·8	10	1·8	11	2·7	11	1·7	11	3·0	11	1·8
8	19	4·4	24	1·6	14	1·0	14	4·1	08	4·9	08	4·5	09	5·7	10	2·6	10	3·6	12	2·2	10	3·0	10	2·5	10	3·3	10	1·9	10	3·8	11	2·8
9	19	5·3	14	3·0	14	1·7	15	4·8	08	4·6	08	5·6	09	5·5	11	5·7	12	5·1	11	2·7	09	3·8	08	1·9	10	4·7	10	2·4	09	4·9	07	3·3
10	20	5·5	14	4·3	13	3·9	13	4·0	08	5·5	09	5·0	09	4·3	10	4·8	10	5·1	10	3·4	09	3·6	08	4·4	10	5·0	11	4·7	09	4·8	06	3·6
11	19	8·0	16	4·2	16	3·8	13	4·1	08	6·2	08	4·4	09	3·2	10	5·0	10	4·3	09	3·2	08	4·4	08	4·4	10	4·6	08	3·7	12	4·4	08	4·0
Noon	19	7·8	16	3·7	12	5·6	17	3·2	09	6·0	09	5·0	08	5·6	09	5·7	10	4·2	09	3·4	06	3·6	09	4·2	08	4·0	10	4·4	12	4·3	08	3·1
13h	19	7·2	13	4·2	12	5·3	13	5·3	09	7·1	07	5·3	08	4·3	09	5·6	10	4·9	08	3·1	08	3·7	08	3·8	10	4·4	08	3·2	08	4·2	08	3·7
14	18	6·1	15	4·8	10	4·3	16	4·8	09	6·6	06	4·4	08	4·1	10	5·0	10	4·9	08	2·4	08	4·1	08	4·1	10	4·1	09	3·9	09	3·8	07	3·6
15	17	5·2	12	5·0	11	4·6	14	4·7	09	7·0	10	5·1	08	4·5	10	6·7	10	4·6	09	3·7	08	3·7	08	4·4	11	3·8	09	3·8	10	4·1	09	2·3
16	18	4·1	14	5·6	10	4·6	16	5·1	09	7·2	10	4·0	08	4·4	09	4·4	10	5·0	10	4·4	09	3·7	10	4·2	08	3·3	10	3·6	09	3·9	08	4·7
17	18	3·0	12	5·3	11	4·7	13	4·7	09	6·6	10	3·0	09	4·1	09	4·7	11	4·8	10	3·3	10	3·3	09	4·4	10	3·4	12	3·3	09	4·4	06	3·0
18	18	3·5	13	4·2	12	2·7	13	4·3	09	4·9	10	4·4	10	3·7	09	3·7	10	4·1	10	3·6	10	2·6	09	4·0	10	2·5	11	2·4	10	3·2	08	2·2
19	17	4·4	13	2·2	11	3·2	13	2·2	09	5·2	10	5·2	10	2·5	10	2·9	10	2·2	09	2·9	10	2·7	10	3·1	11	2·4	11	1·9	11	2·6	08	1·8
20	16	3·2	13	1·7	12	1·9	12	1·8	09	4·5	11	4·0	10	2·2	10	2·7	10	3·6	09	2·5	10	2·1	10	2·1	11	2·3	11	1·6	11	2·0	08	1·8
21	16	2·4	11	2·6	12	3·4	12	2·0	09	4·2	09	3·7	10	2·2	10	2·5	10	3·4	09	2·2	10	2·4	10	2·0	11	2·8	11	1·9	11	2·1	08	2·0
22	16	1·8	11	2·5	12	2·4	10	3·9	10	3·9	10	3·2	10	2·8	11	2·7	11	2·8	10	1·8	10	2·7	10	2·2	11	3·4	11	2·7	11	2·1	09	2·3
23	16	1·0	12	1·8	14	3·0	10	2·9	09	3·6	11	3·5	10	2·3	10	2·0	11	3·2	10	1·7	10	2·5	10	2·1	11	2·1	11	2·7	11	1·9	09	1·8

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	09	1·6	07	0·7	12	1·2	21	1·5	12	2·0	10	2·2	06	1·2	11	2·8	08	0·9	12	1·1	28	1·2	13	2·1	12	1·8	12	1·2	11	2·1	2·1
1h	09	2·6	08	1·2	12	1·3	21	1·8	11	3·5	10	2·2	06	0·8	13	4·7	08	1·1	12	1·2	28	1·1	13	1·9	15	1·8	08	1·1	09	2·6	2·3
2	09	1·4	11	1·7	12	1·3	15	0·7	10	1·4	10	2·1	07	1·2	14	2·5	11	1·6	12	1·1	28	1·2	13	1·6	14	1·9	10	1·8	09	1·3	2·0
3	12	1·9	11	1·5	12	1·1	11	1·2	10	1·9	10	1·8	07	0·7	12	3·0	11	1·1	12	0·9	28	0·7	12	1·7	12	2·2	10	1·5	10	1·5	2·1
4	06	1·7	11	1·1	01	0·7	11	1·2	10	2·5	10	2·6	08	1·1	12	3·3	11	1·2	12	1·2	28	0·8	12	1·2	12	1·8	10	1·2	10	1·5	2·2
5	06	1·1	11	1·1	01	1·1	11	0·8	09	3·0	10	3·2	08	1·0	10	3·6	11	0·9	12	1·1	28	1·5	12	1·4	12	2·5	10	1·2	10	1·5	2·2
6	11	1·3	11	1·9	04	1·2	11	1·7	12	2·3	10	2·1	10	1·1	11	3·2	11	1·4	12	1·4	28	1·3	12	2·2	11	2·7	10	1·0	10	2·2	2·2
7	08	1·1	11	1·2	09	1·0	11	1·1	10	2·1	11	2·7	10	0·6	12	2·4	11	0·8	01	2·2	28	1·0	12	1·9	11	1·8	10	1·4	10	1·8	2·1
8	11	1·1	11	0·9	04	1·3	08	1·1	10	2·8	10	3·0	10	2·8	12	2·1	11	0·7	14	2·2	28	0·6	11	2·7	11	2·4	10	1·3	10	2·0	2·5
9	11	1·7	05	1·5	04	1·7	08	3·0	10	3·9	09	3·8	09	2·7	10	2·1	07	1·6	01	0·7	28	0·7	11	3·9	10	2·6	15	1·1	07	2·3	3·2
10	r01	2·9	r32	2·1	03	1·6	08	2·2	09	4·7	07	4·0	06	3·9	07	2·4	07	1·7	01	0·6	26	1·1	12	3·4	08	1·9	08	0·9	09	2·2	3·5
11	01	2·7	03	2·8	03	3·5	06	2·1	10	3·8	11	4·2	06	2·7	06	2·2	06	1·8	01	0·6	26	2·0	11	2·3	07	2·6	08	1·1	10	2·8	3·5
Noon	01	3·5	04	3·0	01	2·5	08	2·3	09	3·9	08	4·3	06	2·9	06	1·7	04	2·0	02	1·0	27	3·0	07	1·6	06	2·6	08	1·7	08	2·1	3·6
13h	03	2·3	03	4·0	01	3·4	05	3·1	07	3·4	10	4·5	06	4·1	01	3·0	04	2·5	r32	1·9	03	1·7	24	1·7	07	2·4	10	3·2	05	1·8	3·8
14	01	4·4	01	3·8	02	3·5	04	2·5	10	2·7	08	5·3	06	3·2	05	2·0	04	2·9	27	2·2	08	2·7	24	1·9	05	2·5	09	4·1	08	1·8	3·8
15	02	4·4	02	2·9	r28	3·0	r24	2·9	12	4·0	07	3·7	09	3·7	04	2·2	04	2·9	27	2·1	12	3·1	12	1·7	08	2·6	10	3·8	09	2·6	3·8
16	02	1·8	03	2·7	27	2·6	17	1·8	10	3·1	07	4·3	07	3·1	04	1·3	01	2·3	27	1·8	12	3·4	11	2·6	08	2·1	10	3·2	09	2·4	3·6
17	04	1·8	02	2·3	30	1·8	17	1·1	10	1·5	08	4·1	09	2·5	04	1·2	04	1·8	28	1·5	12	3·1	10	3·0	07	2·4	10	3·1	09	2·2	3·2
18	04	1·4	02	1·6	31	1·1	17	2·2	11	2·1	09	3·8	09	2·0	04	1·1	04	1·1	28	0·7	12	2·7	10	2·6	07	1·3	10	2·1	09	1·2	2·7
19	04	0·9	02	0·7	31	0·7	12	1·8	11	2·8	09	2·2	09	1·3	04	0·9	04	0·7	28	0·6	12	2·0	12	1·8	07	0·8	10	2·2	09	1·1	2·2
20	06	1·7	04	1·0	32	0·8	12	1·2	10	2·6	09	2·3	09	1·9	04	0·8	04	0·9	28	0·6	12	2·4	12	2·3	07	0·7	10	2·5	09	1·8	2·0
21	07	1·8	12	1·2	08	0·7	12	1·3	10	2·3	09	2·4	10	1·2	05	1·1	04	0·9	28	0·6	12	2·1	11	2·1	07	1·3	10	1·8	09	2·0	2·1
22	07	1·3	12	1·1	10	1·1	12	1·8	10	2·3	09	2·1	11	1·1	08	2·0	12	0·9	28	1·1	13	2·0	11	1·9	12	1·2	10	1·3	09	3·0	2·2
23	07	1·2	12	1·4	20	1·8	12	1·7	10	2·0	09	1·9	16	1·5	08	2·1	12	1·0	28	1·1	13	1·9	12	1·8	12	1·2	08	1·8	09	3·8	2·1

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), MARCH, 1935.

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	...	0	31	...	...	...	...	1	8	17	1	2	...	1	...	...	1	...	...
9	...	3	28	1	...	2	...	12	5	5	2	2	..	1	...	...	1	...	...
15	...	2	29	...	2	2	...	11	5	6	1	1	...	...	...	1	...	2	...
21	...	0	31	...	...	2	...	9	8	10	1	.	...	...	...	..	...	1	...
Totals	...			1	2	6	...	33	26	38	5	5	...	2	..	1	2	3	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MARCH 1935.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of MARCH 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	5·71	145·0	6·30	11
*	St. Antoine	50	7·04	178·8	7·78	15
*	Belmont	50	8·54	216·9	8·44	14
*	Poudre d'Or	20	9·32	236·7	7·69	14
	Mon Loisir S. E.	300	6·98	177·3	8·39	15
	Forbach	300	4·77	121·2	6·63	12
*	Couroupa	...	4·81	122·1	7·32	13
*	Labourdonnais	290	4·45	113·0	9·58	9
	Mapou	...	4·24	107·7	...	11
	Beau Séjour	300	7·83	198·9	11·43	15
	Mont Piton	650	6·71	170·4	10·47	13
	Mon Choix	700	5·32	135·1	9·64	15
	Antoinette	640	8·66	220·0	11·48	19
	Mon Songe	620	7·24	183·9	12·66	19
*	Botanical Gardens ...	325	5·62	142·7	9·88	16
	The Observatory	179	3·62	92·0	8·59	18
	Solitude	175	7·37	187·2	6·96	12
	Triolet	...	9·43	239·5	...	5
	St. André	90	4·64	117·9	7·71	7
	La Nicolière	...	7·28	184·9	14·79	19
	California	...	5·65	143·5	12·47	13
	Australia	...	...	...	..	...
2 & 3	Union Régnard S.E. (Flacq)	600	9·57	243·1	11·97	21
	Constance d'Arifat L.G. ...	100	5·28	134·1	11·28	17
	Rich Fund	600	7·71	195·8	13·29	20
	La Joffrette	...	10·18	258·6	...	15
	Belle Vue (Allendy) ...	...	7·32	185·9	10·89	17
4 *	Sans Souci	900	12·56	319·0	19·68	22
	Beau Champ (G.R.S.E.) ..	20	9·10	231·1	9·20	16
	Olivia	400	15·92	404·4	12·81	20
	Trois Ilots	...	14·51	268·1	...	19
	Belle Rive	400	18·69	474·7	11·68	25
	Sébastopol	700	...	...	...	...
	Bonne Veine	400	13·12	333·2	17·53	21
5	Rose Belle	850	17·85	453·9	16·62	25
	New Grove	650	10·39	263·9	...	21
	Mon Trésor	...	13·32	338·3	...	22
	Mon Désert (Carié) ...	75	12·48	316·5	9·03	18
	Ferney	20	11·46	291·1	14·25	20
	Sauve Terre	...	12·37	314·2	...	17
6	Tivoli	1,300	16·79	426·5	18·54	24
	La Flora	1,050	18·87	479·3	17·16	24
6	Riche Bois (Brit.) ...	650	12·58	319·5	14·93	22
	Britannia (Estate) ...	700	13·73	348·7	16·11	24
	Savannah (Mill) ...	200	12·70	322·6	12·24	16
	St. Aubin	300	14·75	374·7	11·19	18
	St. Avold	900	16·41	416·8	16·90	23
	Colmar	400	13·89	352·8	13·96	20
	Union S. E.	...	15·09	383·3	9·43	18
	Fontenelle	320	16·97	431·0	10·79	18
	Choisy	200	11·90	302·2	9·75	15
	Beau Bois	...	12·12	307·8	15·57	19
	Bel Air	...	17·93	455·4	10·00	18
	St. Félix	...	17·41	442·2	...	18
7,8,9&10	Bel Ombre	40	10·93	277·6	9·65	19
	Beau Champ (B. du Cap)	70	11·18	284·0	11·35	17
	Frédérica	...	11·75	298·4	...	15
	Pierre Fond	...	10·43	264·9	9·03	15
	Ste. Marie	...	10·92	277·4	...	16
	Hussonia Limited ..	...	4·40	111·8	...	7
11	Curepipe Gardens ...	1,840	14·46	367·3	18·02	30
	Mare aux Vacoas (G.E.)	1,850	21·63	549·4	18·24	21
	Mare aux Vacoas (Arn.)	1,830	18·52	470·4	20·79	23
	La Marie Filter Bed ...	1,700	16·38	416·0	16·35	17
*	Sophie	...	20·93	531·6	...	21
	Réunion	1,420	13·19	335·0	14·00	20
*	Aerological Station ...	1,393	11·01	279·7	12·15	18
	Phœnix	...	5·69	144·5	14·71	12
	Quatre Bornes... ...	...	6·73	170·9	...	13
12	Quatre Bornes (Board) ...	1,090	5·76	146·3	...	10
*	Le Réduit (D. of A.) ...	1,000	5·77	146·5	10·00	28
	Alma	1,460	10·19	258·8	19·00	18
	Bagatelle	1,250	11·13	282·7	14·04	12
	Highlands	1,300	11·28	286·5	12·08	14
	Trianon	950	5·47	138·9	11·37	12
	Val Ory	1,100	...	...	11·40	...
	Bassin	...	10·39	263·9	8·80	12
	Hermitage	1,450	12·60	320·0	17·01	15
	Ebene	...	6·08	154·4	...	12
	Bega	...	5·95	151·1	...	11
	Mon Rêve	...	8·01	203·4	...	11
	Mont Pevril	...	6·36	161·5	...	12
	Minissy	1,150	6·62	168·1	12·25	11
	Plaisance	...	13·13	333·5	...	17
	La Ferme	350	7·29	185·2	12·25	12

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 1935.

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	11	...	...	...	...	335	1·1*	...	...	335	0·9*	320	1·2*	...	...	...	...	...	...	...	...	...	...	...	...	...
2	10	107	7·5*	203	4·5*	...	...	...	...	...	...	330	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	11	82	50·5*	80	18·0*	...	...	...	...	...	...	140	...	12¼	...	...	...	...	90	...	...	...	...	...	120	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	88	8·9*	107	12·1*	...	...	...	...	...	...	...	...
8	9½	110	21·5*	80	8·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	11	102	14·2*	80	7·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	9¾	79	8·1*	72	5·3*	...	...	...	...	...	...	...	...	14¼	...	...	60	10·5	...	...	...	...	...	...	...	...
12	9¾	75	17·9	90	12·5	...	...	...	...	...	...	300	...	15	...	...	...	...	...	...	...	...	...	...	300	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	11	115	10·5*	165	3·5*	...	...	...	...	...	...	...	...	13¾	112	8·3*	130	7·1*	...	...	...	...	...	...	...	...
15	8¾	105	30·5	120	9·8	...	...	...	...	...	...	270	...	14½	78	1·9*	75	8·0	...	...	...	...	...	...	270	5·2
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	9½	66	10·5*	60	19·1	...	...	...	...	...	...	210	...	14¼	75	11·8	75	10·6	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	9½	20	6·9*	45	6·7	...	...	...	...	20	*	285	3·6	...	...	...	...	...	...	...	...	...	...	...	...	...
26	10½	...	...	...	...	...	...	...	...	...	...	300	2·7	...	...	...	...	...	...	...	...	...	...	...	...	...
27	11¼	60	3·4*	315	4·0*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	11	25	13·3*	68	5·0*	...	...	...	...	325	1·1*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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.

NEW SERIES (MONTHLY) VOL. XXI. 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, 1935

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

DIRECTOR

Published by Authority of His Excellency the Governor

PORT LOUIS

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1935

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF APRIL 1935.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Units)	Daily Range† Declination.	Horizontal Force Unit 1 γ	Vertical Force Unit 1 γ
	′			′		
APR.						
1	12°56·6	·22531	·29688	6·5	35	21
2	57·1	533	688	5·0	19	20
3	56·6	543	688	5·8	31	17
4	...	...	689	...	...	8
5	57·4	539	688	4·2	35	15
6	57·0	541	684	5·5	24	17
7	57·1	545	683	6·0	30	21
8	57·3	540	684	6·0	26	18
9	57·1	508	690	4·0	78	13
10	57·6	523	688	5·7	110	25
11	57·7	498	697	6·0	90	20
12	57·4	514	694	3·5	40	16
13	57·6	509	693	5·5	40	18
14	57·7	515	695	3·5	27	14
15	57·8	523	696	2·0	16	8
16	57·7	531	693	3·5	48	17
17	57·3	525	692	2·8	29	16
18	57·8	529	691	3·0	42	21
19	57·6	530	689	4·0	34	21
20	57·2	529	690	5·5	17	19
21	57·8	527	692	4·0	23	15
22	57·5	535	690	5·5	29	21
23	57·7	536	691	5·5	46	13
24	58·0	533	691	6·5	34	25
25	57·5	535	693	5·0	21	11
26	57·4	538	693	7·5	20	9
27	58·0	540	694	8·0	18	21
28	57·6	542	691	8·3	26	13
29	57·6	550	690	7·8	24	22
30	57·6	555	690	3·7	30	14
...	...	...	...	...	...	...
Mean	12°57·52	·22531	·29690	5·13	35·9	17·0

Description of the Principal Magnetic Disturbances.

Declination.—10d. Disturbed between 18h. and 24h. oscillations of 20′ to 25′. 11d. Disturbed small oscillations throughout. 12d. and 13d. Slightly disturbed.

Horizontal Force.—Slightly disturbed on 8d. and beginning of 9d. 10d. Sudden commencement at 9h.30m.—of a long disturbed period—large oscillations (45γ) between 14h. and 24h. 11d. Disturbed; large irregular fluctuations from 12h. onwards. 12d. Disturbed; but to a lesser extent. 13d. The disturbed period gradually dies down to quiet towards the end. 16. Slightly disturbed during second half. 17. Slightly disturbed.

Vertical Force.—10d. Small pulsations from 10h. onwards; oscillations of 10γ to 12γ at the end. 11d. Disturbed; small pulsations throughout—irregular fluctuations of 5γ to 10γ at the end. 12d. and 13d. Somewhat disturbed; one oscillation of 10γ between 20h. and 21h. small pulsations throughout. 16d Small pulsations between 10h. and 16h. The rest of the month was quiet.

T=·37271: Mean Dip=52° 48′·36: (X=·21957: Y=−·05052: 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 APRIL 1935.

Declination (West) Day and Hour	Observed Value	Horizontal Force Day and Hour	Observed Value	Dip (South) Day and Hour	Observed Value	Resulting Vertical Force
d h m	° ′	d h m		d h m	° ′	
APRIL 1·15·15	12 54·39	APR. 3· 9·16	·22551	APR. 1·15·05	52·47·62	·29668
8·11·08	12 58·00	5· 9·18	·22547	8·12·08	52·45·82	·29657
17·13·07	12 54·93	10· 9·30	·22554	17·13·22	52·47·44	·29676
23·14·32	12 55·23	12· 9·11	·22519	23·14·45	52·47·87	·29677
30·13·02	12 56·85	16· 9·11	·22539	30·13·16	52·46·06	·29687
		25· 9·08	·22553			
		26· 9·00	·22553			
		29· 9·40	·22556			

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

APRIL 1935.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	57·3	56·7	57·0	57·0	57·0	56·7	57·3	57·0	57·5	57·5	60·5	58·5	57·3	58·0	57·5	57·5	Midnight
1h	57·3	57·3	57·3	*	57·0	57·0	57·3	57·0	57·5	57·5	59·5	57·0	57·3	57·0	57·3	57·8	1h
2	57·5	57·5	57·5	...	57·0	57·0	57·2	57·0	57·7	57·3	58·0	56·5	57·5	56·5	58·0	58·0	2
3	57·5	57·7	57·7	...	57·5	57·0	57·5	57·3	57·8	57·3	57·5	56·5	56·0	57·0	58·0	58·0	3
4	57·6	57·8	57·8	...	58·0	57·5	58·0	57·5	58·0	57·5	57·5	57·0	57·5	58·0	58·0	58·0	4
5	57·7	58·0	58·3	...	58·5	58·0	58·5	58·5	58·5	57·7	55·0	57·0	56·5	57·5	58·0	57·7	5
6	57·8	58·3	58·5	...	58·5	58·5	58·7	59·0	58·5	58·5	55·0	56·7	56·0	57·5	58·0	57·5	6
7	58·5	59·0	58·0	...	58·7	59·0	58·0	59·5	58·3	58·5	56·0	57·0	55·0	57·5	57·5	57·5	7
8	59·5	59·0	57·5	...	59·5	59·3	59·0	60·0	58·0	59·0	56·0	57·0	56·0	58·5	58·5	59·0	8
9	58·5	58·7	57·0	...	59·5	59·5	59·5	60·0	58·0	59·3	58·0	57·5	58·0	59·5	58·5	59·5	9
10	57·0	58·0	56·3	...	59·0	58·5	59·0	60·0	58·0	59·5	58·3	58·0	59·5	60·0	59·0	60·0	10
11	55·0	57·0	55·0	...	57·5	57·0	57·0	58·0	56·5	58·0	58·0	59·0	60·5	60·0	58·7	58·0	11
Noon	53·0	55·7	53·5	...	56·5	54·0	55·5	55·5	55·0	55·5	58·0	58·0	59·0	58·0	57·0	57·0	Noon
13h	53·3	54·0	52·7	...	55·5	54·0	55·0	54·5	54·5	54·5	56·5	57·0	57·5	57·0	57·0	56·7	13h
14	53·5	54·5	53·0	...	55·3	54·3	54·0	54·0	55·3	54·3	55·5	55·5	57·0	56·7	57·3	56·5	14
15	54·5	56·5	54·5	57·0	56·0	55·0	53·5	54·7	55·5	54·5	55·0	55·5	56·3	57·0	57·5	56·5	15
16	55·5	57·0	55·5	57·5	56·7	55·5	54·5	55·3	55·5	55·0	56·5	55·7	56·5	57·0	57·5	56·7	16
17	56·0	57·0	56·7	57·0	57·3	56·5	56·0	56·0	56·0	56·5	58·5	57·0	57·3	57·5	57·5	57·0	17
18	56·3	56·7	57·3	57·3	57·3	56·7	57·3	57·0	56·3	57·0	58·0	59·0	58·5	57·5	57·5	57·5	18
19	56·5	56·7	57·3	57·3	57·5	57·3	57·7	57·3	57·3	60·0	61·0	58·5	59·0	57·5	57·5	57·5	19
20	57·0	57·0	57·2	57·5	57·3	57·5	58·0	57·5	57·5	58·5	59·0	58·7	59·0	57·5	57·7	57·5	20
21	57·0	57·0	57·3	57·0	57·0	57·5	57·5	57·5	57·7	58·0	59·5	58·5	58·5	57·7	57·7	58·3	21
22	57·0	57·0	57·3	56·7	57·0	57·5	57·0	57·3	57·7	60·0	59·0	58·5	58·5	58·0	57·5	57·5	22
23	57·0	57·2	57·3	56·7	56·7	57·5	57·0	57·0	57·5	59·5	59·0	58·0	58·0	57·5	57·5	57·5	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day / Hour
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	57·5	57·5	57·5	57·3	57·5	57·5	58·0	57·5	57·5	58·0	57·5	57·5	57·5	57·5	...	57·6	Midnight
1h	58·0	57·5	57·0	56·7	57·7	57·3	58·5	58·0	57·0	57·8	57·7	57·7	57·7	57·3	...	57·5	1h
2	58·0	57·7	58·0	57·3	57·7	57·3	58·0	58·0	57·5	57·7	57·5	57·5	57·7	57·5	...	57·5	2
3	57·0	58·0	58·0	58·0	58·0	57·5	58·0	58·5	57·5	57·7	57·5	57·5	57·5	57·7	...	57·5	3
4	57·3	58·0	57·5	57·7	58·0	57·5	58·0	57·5	57·5	57·7	57·5	57·3	57·5	57·5	..	57·7	4
5	58·0	58·0	58·5	57·5	57·5	57·7	58·7	58·0	57·5	58·0	57·5	57·0	57·5	57·5	...	57·7	5
6	57·5	57·5	59·0	58·5	57·7	57·7	59·3	58·0	57·5	58·0	57·3	56·7	57·3	57·5	...	57·8	6
7	56·7	57·0	58·3	58·7	68·0	57·5	58·0	58·0	56·5	57·5	57·0	57·0	57·5	57·0	...	57·7	7
8	57·5	56·5	59·0	59·5	59·5	58·5	59·0	59·5	56·5	59·3	59·0	59·0	59·5	58·7	...	58·5	8
9	58·0	58·5	59·5	59·5	59·5	60·0	59·5	61·0	59·0	60·5	62·0	61·5	62·0	60·0	...	59·4	9
10	58·3	59·5	59·0	58·7	60·0	60·0	60·0	52·0	60·5	60·5	63·0	62·3	62·5	60·0	...	59·5	10
11	57·0	59·0	57·5	57·0	59·0	58·5	59·0	60·7	59·0	59·5	62·0	61·0	61·0	58·5	...	58·4	11
Noon	56·0	57·0	56·3	54·5	58·0	56·5	57·3	58·0	57·7	57·5	59·5	59·0	57·0	57·0	...	56·6	Noon
13h	55·5	57·0	55·5	54·5	56·5	55·5	56·5	57·0	56·7	56·0	58·0	56·5	55·5	56·7	...	55·8	13h
14	55·5	57·5	55·7	54·5	56·5	54·5	55·5	56·3	56·5	55·0	57·0	55·0	55·0	56·5	...	55·4	14
15	55·7	58·0	56·0	54·0	56·0	55·0	54·5	55·5	55·5	53·5	55·5	54·0	54·7	56·3	...	55·4	15
16	56·5	57·5	56·5	55·0	56·0	56·0	55·0	55·5	55·5	53·0	55·0	54·0	55·0	56·5	...	55·8	16
17	57·0	58·0	57·5	57·0	57·0	57·3	56·5	57·0	56·5	55·0	56·0	56·0	56·0	57·3	...	56·8	17
18	57·7	58·0	58·0	57·5	57·8	58·0	57·5	57·5	57·5	57·0	57·3	57·0	57·0	57·7	...	57·4	18
19	58·3	58·0	58·0	58·0	58·2	58·0	57·7	58·0	57·7	57·5	57·7	57·3	57·3	57·7	...	57·9	19
20	58·0	58·0	57·7	58·0	58·0	58·0	57·7	57·7	58·0	57·7	58·0	57·5	57·3	57·7	...	57·8	20
21	58·0	57·7	58·0	58·0	57·5	58·0	58·0	57·7	58·0	57·5	57·8	57·7	57·5	57·5	...	57·8	21
22	57·7	57·5	57·7	57·5	57·5	58·0	58·0	57·5	58·0	57·7	57·7	57·7	57·5	57·7	...	57·7	22
23	57·7	57·5	57·5	57·5	57·3	58·0	58·0	57·7	57·5	57·8	57·8	57·7	57·3	57·7	...	57·6	23

* Driving defective.

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 1935.

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	519	527	530	539	529	534	538	541	546	517	475	505	518	508	515	528	Midnight
1h	522	527	532	544	529	533	539	544	548	518	483	508	518	518	523	528	1h
2	523	528	534	*	539	532	540	546	538	519	493	511	511	528	518	533	2
3	524	529	535	...	540	538	541	545	548	523	503	538	518	521	519	531	3
4	525	529	537	...	539	539	542	547	548	523	503	531	518	521	518	533	4
5	525	529	537	...	539	538	543	548	548	531	508	513	514	518	521	531	5
6	526	529	538	...	539	529	545	548	538	538	513	515	518	515	523	532	6
7	530	530	543	.	540	544	546	548	530	544	523	518	518	518	523	533	7
8	531	533	550	...	540	546	548	548	523	553	533	515	528	518	521	538	8
9	541	535	553	...	546	542	552	549	518	560	533	516	516	518	518	542	9
10	548	535	556	...	549	544	556	535	508	560	521	510	517	517	523	538	10
11	550	538	558	...	551	549	561	533	493	564	525	528	513	516	527	538	11
Noon	551	543	560	...	559	550	565	541	483	578	513	536	514	518	528	553	Noon
13h	554	546	561	...	561	553	568	543	470	523	501	508	512	516	523	554	13h
14	539	542	554	...	550	549	552	539	471	558	478	508	505	513	518	553	14
15	528	537	543	528	539	541	541	532	473	533	443	505	488	511	520	538	15
16	525	535	538	527	532	539	538	531	476	543	453	508	488	508	521	531	16
17	527	535	538	528	529	539	540	529	473	508	468	498	491	501	521	528	17
18	523	532	541	529	529	539	542	523	475	486	493	498	495	503	523	525	18
19	522	530	540	524	526	538	540	525	479	468	473	508	508	508	523	523	19
20	523	530	535	523	529	538	539	538	488	501	488	498	496	508	525	508	20
21	524	530	535	523	533	538	538	541	500	473	493	528	508	515	529	506	21
22	525	530	535	526	534	539	538	543	511	478	503	510	508	518	528	506	22
23	526	531	537	524	534	539	539	543	513	468	513	518	511	511	531	511	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	516	518	518	521	528	524	524	523	529	535	537	542	545	547	...	525·4	Midnight
1h	519	523	533	533	528	533	528	525	535	537	537	541	546	547	...	528·8	1h
2	519	524	521	528	528	533	528	527	533	539	545	539	546	549	...	529·4	2
3	538	525	523	528	528	530	533	521	534	540	542	539	547	550	...	532·1	3
4	540	528	533	528	528	533	533	528	537	541	540	541	547	554	...	533·2	4
5	528	530	531	523	529	533	535	531	539	542	543	541	549	554	...	532·8	5
6	530	533	529	528	532	533	538	529	539	544	544	543	551	555	...	533·6	6
7	531	531	532	529	532	535	543	533	540	546	546	545	552	557	...	535·8	7
8	531	535	538	533	529	543	550	539	547	546	546	544	554	558	...	538·6	8
9	523	538	541	533	530	550	555	543	545	547	544	546	555	561	...	539·7	9
10	527	533	547	537	533	550	555	545	540	544	539	544	557	563	...	539·0	10
11	533	551	548	537	537	550	563	550	543	547	539	551	560	567	...	542·1	11
Noon	538	558	548	533	541	549	562	555	543	544	540	556	565	576	...	544·8	Noon
13h	535	548	547	538	539	549	553	548	533	532	537	543	556	561	...	538·3	13h
14	529	533	538	530	528	548	538	536	528	527	527	536	548	557	...	532·1	14
15	523	521	533	523	518	541	517	528	526	528	536	530	541	554	...	523·8	15
16	519	516	528	528	518	533	525	523	528	528	528	535	543	557	...	523·3	16
17	523	521	521	528	519	530	520	521	528	532	532	537	546	556	...	522·0	17
18	528	523	521	528	523	528	525	526	529	537	538	541	547	553	...	523·2	18
19	525	523	520	528	525	528	528	530	533	534	541	544	547	549	...	523·0	19
20	515	522	518	524	521	528	529	533	536	537	540	544	547	547	...	523·6	20
21	514	516	514	525	520	524	528	531	533	539	542	544	546	546	...	524·6	21
22	511	519	517	527	519	521	529	530	533	539	543	543	546	546	...	525·1	22
23	513	522	518	526	521	522	529	532	533	538	544	543	546	547	...	526·2	23

*Driving defective.

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

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

APRIL, 1935

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	692	690	689	690	690	690	687	687	687	694	698	697	694	695	695	693	Midnight
1h	691	690	688	688	689	689	686	687	687	694	697	694	695	694	695	693	1h
2	691	690	688	688	688	688	686	687	687	693	696	697	696	694	695	693	2
3	692	690	688	687	687	687	686	686	687	693	693	696	695	694	695	693	3
4	693	690	688	687	687	687	686	686	686	693	693	696	696	695	696	694	4
5	693	692	690	688	688	687	686	687	686	692	692	696	696	696	696	694	5
6	693	693	690	689	689	688	686	687	687	692	692	697	695	696	696	696	6
7	695	694	690	692	691	689	686	688	690	689	693	694	696	697	697	700	7
8	695	694	687	694	694	690	688	690	691	688	695	696	698	702	698	700	8
9	689	692	687	693	693	690	689	690	690	687	700	697	703	704	700	698	9
10	682	685	685	690	689	684	686	686	688	687	704	697	703	703	700	692	10
11	676	679	683	688	687	677	683	679	687	682	702	696	700	697	698	683	11
Noon	674	675	680	686	684	673	677	675	684	675	698	687	690	688	692	683	Noon
13h	674	674	676	686	679	673	673	672	684	673	690	683	685	688	692	683	13h
14	678	677	680	687	679	673	668	674	688	673	687	684	685	688	693	683	14
15	683	684	685	687	683	675	670	678	690	677	695	686	686	688	697	687	15
16	686	687	690	687	685	676	675	680	690	679	700	688	690	690	696	692	16
17	687	687	693	687	686	679	680	683	693	685	703	693	694	693	697	693	17
18	690	688	693	687	687	683	684	687	694	691	697	698	696	695	697	694	18
19	692	690	693	689	689	685	685	688	696	694	707	697	696	697	697	695	19
20	693	692	693	691	691	687	686	688	697	694	700	697	696	697	697	698	20
21	693	692	693	692	692	689	687	688	696	692	700	694	695	697	696	697	21
22	691	691	692	691	690	688	688	687	694	698	698	696	695	696	695	697	22
23	690	690	690	690	690	688	688	687	694	697	700	696	694	695	693	696	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	694	693	693	693	693	694	695	694	693	693	693	693	692	690	...	692·4	Midnight
1h	694	692	691	691	693	693	695	695	693	693	694	693	692	691	...	692·1	1h
2	693	692	692	691	692	693	693	694	693	693	693	693	692	691	...	691·7	2
3	693	692	692	691	692	693	693	695	693	693	693	693	693	691	...	691·5	3
4	692	692	692	692	692	692	692	694	693	693	693	693	693	691	...	691·6	4
5	693	693	693	692	692	692	692	694	693	693	694	693	693	692	...	691·9	5
6	694	693	693	693	693	693	692	694	692	693	694	693	694	692	...	692·3	6
7	694	694	693	694	693	692	690	694	690	692	693	693	694	692	...	692·6	7
8	696	697	696	696	697	695	693	697	693	694	693	696	697	694	...	694·5	8
9	698	700	696	695	698	697	696	701	697	696	700	696	699	696	...	695·6	9
10	697	698	692	693	697	695	693	697	700	695	702	693	695	694	...	693·4	10
11	691	692	685	683	690	685	687	687	697	690	696	688	689	687	...	688·1	11
Noon	685	683	677	677	686	678	683	676	691	687	688	685	681	683	...	682·7	Noon
13h	682	679	675	678	684	676	683	677	690	689	685	683	677	682	...	680·8	13h
14	682	682	675	680	683	678	683	680	690	693	683	683	679	686	...	681·8	14
15	682	683	677	683	683	680	683	682	686	691	682	683	681	686	...	683·9	15
16	684	683	682	684	687	683	684	685	690	690	683	686	685	686	...	686·1	16
17	688	687	687	688	689	690	688	690	693	692	688	691	689	689	...	689·4	17
18	693	692	690	691	692	692	693	692	695	695	703	694	692	691	...	692·2	18
19	694	693	693	693	693	692	693	692	694	695	703	694	692	692	...	693·4	19
20	695	694	693	694	693	693	693	692	694	695	703	694	692	692	...	693·8	20
21	695	695	694	694	695	695	694	693	695	695	703	694	692	691	...	693·9	21
22	695	693	695	694	695	695	694	693	693	694	702	693	691	691	...	693·5	22
23	694	693	694	693	695	695	694	693	693	693	702	693	691	691	...	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 APRIL 1935.

Month and day 1935.	Observations at 10 a.m.									Temperature of the Air.									
	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 of Rain measured at 10 a.m.	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.	hrs.	%
1	965·9	25·6	3·2	20·1	72	23·3	55	5·4	8	21·0	23·8	25·1	22·6	26·6	20·9	5·7	1·3	8·5	71
2	966·6	19·9	0·5	19·0	95	21·8	45	5·4	10	21·5	22·0	24·3	22·5	25·3	20·0	5·3	18·4	2·1	18
3	964·6	24·4	1·5	21·8	85	25·9	25	2·7	10	19·6	22·5	23·9	22·6	27·6	19·6	8·0	118·6	4·0	34
4	965·2	23·5	1·0	21·8	90	25·9	Calm		10	21·8	22·4	22·0	21·3	25·4	21·0	4·4	20·5	0·6	5
5	965·6	22·9	0·8	21·5	92	25·4	Calm		10	20·9	21·5	26·9	21·7	27·4	20·1	7·3	20·5	1·3	11
6	964·4	24·9	2·4	20·8	78	24·3	90	3·6	10	21·0	24·2	23·6	20·8	25·4	20·8	4·6	2·1	2·8	24
7	964·8	25·3	3·2	19·8	72	22·9	90	2·7	5	20·3	23·7	26·6	22·4	27·6	20·2	7·4	9·1	10·1	86
8	966·7	26·0	3·1	20·8	73	24·3	65	6·7	6	22·0	24·0	26·0	21·1	27·0	21·0	6·0	0·0	10·7	92
9	967·0	25·2	3·2	19·7	72	22·7	65	3·6	4	21·1	24·9	26·8	21·7	27·6	21·0	6·6	0·0	8·2	70
10	965·0	25·4	2·6	21·0	77	24·6	90	0·5	8	21·3	25·1	21·9	22·0	28·0	21·0	7·0	0·0	4·1	35
11	963·6	25·9	2·3	23·0	79	26·2	Calm		7	21·0	24·6	22·8	21·0	28·4	20·4	8·0	52·4	4·9	42
12	963·7	24·8	2·6	20·3	76	23·6	Calm		9	20·6	24·1	23·8	23·0	26·4	19·6	6·8	32·0	2·3	20
13	964·0	24·3	1·9	21·0	82	24·6	65	0·9	9	21·0	22·2	25·0	21·7	26·5	20·7	5·8	14·7	2·8	24
14	966·3	22·4	0·5	21·5	95	25·4	90	8·5	10	20·9	20·5	23·5	21·9	23·5	20·0	3·5	24·0	1·6	14
15	966·9	21·6	0·5	20·7	95	24·2	80	6·5	10	21·6	21·5	20·9	20·6	23·1	20·8	2·3	36·2	0·0	0
16	967·0	22·3	0·8	20·9	92	24·5	90	8·9	10	21·0	22·4	22·2	21·0	22·5	20·5	2·0	127·5	0·6	5
17	966·7	24·5	1·6	21·8	85	25·9	60	8·1	9	20·8	23·6	24·0	22·0	25·5	20·3	5·2	31·0	4·4	38
18	966·6	25·4	1·9	22·2	83	26·5	45	5·4	10	22·0	22·8	23·3	22·0	25·8	21·6	4·2	9·9	1·5	13
19	963·9	23·0	0·1	22·8	99	27·5	315	6·5	10	21·3	22·7	24·4	22·4	24·6	21·2	3·4	50·8	0·8	7
20	962·9	24·0	2·0	20·6	81	24·0	235	3·1	5	21·0	21·8	23·9	20·4	25·1	20·0	5·1	35·5	8·2	71
21	965·1	22·4	2·9	17·3	73	19·6	110	9·8	1	18·6	21·1	23·0	18·9	23·8	18·4	5·4	1·0	9·7	84
22	966·9	23·3	2·0	19·8	81	22·9	90	4·0	10	19·0	21·6	23·0	20·8	25·3	18·5	6·8	0·7	6·9	60
23	965·5	24·4	3·1	19·1	72	21·9	90	3·6	1	20·8	24·0	26·5	19·0	27·4	19·5	7·9	0·0	10·2	89
24	965·9	23·9	4·0	17·0	65	19·2	Calm		0	17·0	22·0	26·3	17·8	28·0	15·6	12·4	0·0	11·0	96
25	968·3	24·9	3·6	18·7	69	21·4	110	2·2	0	15·9	23·4	23·9	19·9	26·2	15·8	10·4	0·0	5·2	46
26	970·0	21·3	0·6	20·2	93	23·4	90	3·6	10	19·0	21·6	22·2	20·6	24·6	18·4	6·2	5·1	2·9	25
27	968·9	22·3	0·5	21·4	94	25·2	90	4·9	10	20·0	21·1	23·9	21·0	24·6	20·0	4·6	5·2	8·2	72
28	969·5	23·2	1·8	20·1	83	23·3	80	4·0	9	20·0	21·9	24·0	20·9	24·6	20·0	4·6	18·6	1·4	12
29	969·3	20·3	0·4	19·6	95	22·6	90	6·7	10	18·6	18·8	21·1	19·6	22·6	18·5	4·1	18·0	0·6	5
30	967·9	24·3	2·8	19·5	75	22·4	90	2·7	6	19·6	24·1	22·8	20·0	26·0	19·6	6·4	0·0	5·9	52
...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
Mean	966·2	23·0	1·9	20·4	82·4	23·8	° ...	4·8	7·7	20·3	22·6	23·9	21·1	25·7	19·8	5·9	653·1	4·72	40·7
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	41·3mbs.	Amount of rain	—	244·2mms.
Temperature of the Air	+	2·9°C	Duration of sunshine	+	50·2hrs
Vapour Pressure	+	2·1mbs.	Mean of maximum temperatures	+	2·0°C
Relative Humidity	—	4·2%	,, minimum temperatures	+	2·2°C
Velocity of Wind	—	1·2mps.	Absolute maximum temperature	+	1·7°C
Amount of Cloud	—	1·2	,, minimum temperature	+	2·5°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1935.

Month and Day 1935.	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		
APRIL	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min	mm	
1	1005·7	− 0·7	28·0	23·0	5·0	24·9	− 0·3	1·8	21·8	+ 0·3	83	+ 3	25·9	21·4	4·2	35	2·2	4·2
2	1004·6	− 1·9	27·0	21·9	5·1	24·2	− 1·2	1·3	21·8	+ 0·3	88	+ 8	25·9	21·2	44·6	249	4·9	7·8
3	1005·1	− 1·4	28·8	22·1	6·7	25·0	− 0·1	1·3	22·8	+ 1·4	88	+ 8	27·5	21·2	26·1	177	6·2	8·4
4	1005·2	− 1·4	25·5	23·1	2·4	23·8	− 1·3	0·6	22·8	+ 1·4	94	+ 14	27·5	21·8	92·6	288	3·3	8·3
5	1005·2	− 1·5	27·9	22·0	5·9	24·3	− 0·7	1·2	22·2	+ 0·9	88	+ 8	26·5	20·0	0·6	12	7·4	7·5
6	1005·1	− 1·7	28·0	21·9	6·1	24·3	− 0·7	1·3	22·1	+ 0·8	87	+ 7	26·3	20·1	9·1	83	2·0	5·8
7	1005·6	− 1·3	28·5	22·5	6·0	25·0	− 0·1	1·8	21·9	+ 0·8	83	+ 3	26·0	20·1	0·1	2	5·2	3·8
8	1007·6	+ 0·6	28·3	22·9	5·4	24·9	0·0	1·7	22·0	+ 0·9	84	+ 4	26·2	21·4	14·0	96	5·1	6·2
9	1007·7	+ 0·7	28·4	22·7	5·7	25·2	+ 0·4	2·2	21·5	+ 0·5	80	0	25·4	21·0	0·0	...	4·6	3·2
10	1005·6	− 1·5	28·7	22·3	6·4	24·7	− 0·1	1·2	22·6	+ 1·6	88	+ 8	27·1	21·0	4·4	38	5·4	6·8
11	1004·3	− 2·9	29·6	22·3	7·3	25·4	+ 0·7	1·8	22·3	+ 1·4	83	+ 3	26·7	21·1	0·2	4	2·7	4·2
12	1003·9	− 3·3	30·1	22·7	7·4	25·0	+ 0·3	1·4	22·6	+ 1·7	86	+ 6	27·1	21·1	3·5	51	4·9	7·1
13	1004·9	− 2·4	28·4	22·2	6·2	25·1	+ 0·5	1·8	22·0	+ 1·2	83	+ 3	26·2	21·0	3·0	55	4·3	8·2
14	1007·2	− 0·1	27·3	22·7	4·6	24·7	+ 0·2	1·6	22·0	+ 1·3	85	+ 5	26·2	21·2	7·0	61	5·7	8·6
15	1007·6	+ 0·2	24·9	22·5	2·4	23·6	− 0·9	0·6	22·6	+ 1·9	94	+ 15	27·1	22·0	111·4	325	1·2	9·0
16	1007·3	− 0·2	26·4	23·1	3·3	24·1	− 0·3	0·8	22·7	+ 2·1	92	+ 13	27·3	22·0	43·6	402	1·2	9·7
17	1007·3	− 0·3	28·1	23·3	4·8	25·3	+ 1·0	1·2	23·3	+ 2·8	89	+ 10	28·3	22·8	7·2	34	3·0	8·8
18	1006·7	− 0·9	27·8	23·7	4·1	25·0	+ 0·7	0·8	23·6	+ 3·1	92	+ 13	28·8	22·3	22·7	96	3·7	9·5
19	1003·9	− 3·8	28·5	23·5	5·0	25·5	+ 1·3	1·1	23·6	+ 3·2	89	+ 10	28·8	22·1	6·6	28	3·7	8·7
20	1004·1	− 3·7	27·8	22·0	5·8	24·3	+ 0·1	1·6	21·6	+ 1·2	85	+ 6	25·5	19·4	6·1	27	3·8	5·8
21	1006·2	− 1·6	26·3	20·1	6·2	23·1	− 1·0	2·8	18·2	− 2·1	74	− 5	20·7	18·8	0·4	8	5·0	1·3
22	1007·0	− 0·9	27·6	21·4	6·2	24·1	0·0	1·8	21·0	+ 0·7	83	+ 4	24·6	19·0	0·0	...	5·8	3·8
23	1006·1	− 1·9	28·1	20·6	7·5	24·1	+ 0·1	2·0	20·7	+ 0·5	81	+ 2	24·2	17·0	0·0	...	5·1	4·2
24	1007·2	− 0·9	29·0	18·1	10·9	22·7	− 1·3	2·2	18·8	− 1·4	79	0	21·5	14·9	0·0	...	4·4	0·7
25	1009·7	+ 1·6	28·7	18·7	10·0	23·1	− 0·8	2·0	19·6	− 0·5	81	+ 2	22·6	15·8	0·0	...	4·2	5·5
26	1010·3	+ 2·1	26·8	21·7	5·1	23·9	+ 0·1	1·9	20·6	+ 0·6	82	+ 3	24·0	20·0	0·0	...	4·7	7·5
27	1009·7	+ 1·4	27·6	22·6	5·0	24·5	+ 0·7	2·1	20·9	+ 0·9	81	+ 2	24·5	21·7	0·0	...	4·5	5·1
28	1009·7	+ 1·3	27·3	23·2	4·1	24·7	+ 1·0	2·1	21·1	+ 1·2	80	+ 1	24·8	21·0	0·0	...	4·1	8·2
29	1009·4	+ 0·9	25·4	22·0	3·4	23·0	− 0·6	1·5	20·4	+ 0·6	85	+ 6	23·7	19·8	1·5	16	2·3	9·0
30	1008·2	− 0·4	27·8	20·2	7·6	23·9	+ 0·4	2·0	20·4	+ 0·7	81	+ 2	23·7	18·5	0·0	...	3·0	4·3
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
Mean	1006·6	− 0·9	27·7	22·0	5·7	24·4	− 0·0	1·6	21·7	+ 0·9	84·9	+ 5·5	25·7	20·4	Sum 408·9	Sum 2087	4·1	6·4
Aver.	1007·5	...	27·6	21·1	6·5	24·4	...	2·2	21·6	...	79·4	...	24·1	18·3	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 1935.

Three cases of tropical disturbances were recorded during this month, only two of which affected to any extent the weather at Mauritius. Of rare occurrence so late in April, one of these forming in the region of the Comores, crossed Madagascar and travelled S.E. to the South of Mauritius; the others from the South of the Mozambique Channel travelled E.S.E. and on the 19th both centres were found close together to the South of Mauritius; frequent showers and thunderstorms were observed at the time.

On the whole, pressure kept low at Mauritius throughout the greater part of the month, excepting the last week. Temperature was frequently above average with Humidity was considerably in excess of normal. Rainfall at the Observatory was considerable as compared with the normal, the amount recorded being over 3 times the average.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1935.

Month and Day 1935.	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.)
APRIL	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	7·5	63	2·7	− 0·5	25·4	26·9	27·7	27·2	b : ber : bed$_0$: bc : b$_0$.
2	3·2	27	2·8	− 0·4	25·5	26·7	27·6	27·1	b : bed$_0$; ogrr : o : ogrrtsm .
3	5·8	49	3·0	− 0·2	25·6	27·0	27·4	26·6	or$_0$r$_0$; c : cr$_0$: c : cgd : betsm
4	0·0	00	1·7	− 1·5	25·4	26·9	27·2	26·5	bc : crr : or$_0$r$_0$; ogRRtsm : bc .
5	2·8	24	1·8	− 1·4	25·5	26·8	27·0	26·0	bc : cr$_0$. c : bc .
6	6·5	55	2·2	− 1·0	25·4	26·8	26·8	26·2	b : bedd : c : cr$_0$r$_0$: bc .
7	11·1	94	3·7	− 0·5	25·5	26·7	26·8	26·6	bc : b .
8	9·1	78	3·0	− 0·3	25·4	26·5	26·8	26·9	orr : bc : b .
9	10·7	92	2·4	− 0·9	25·4	26·6	26·9	27·2	b : bc : b .
10	5·3	45	1·7	− 1·6	25·5	26·6	27·0	27·3	b ; ed$_0$: bc . egr$_0$r$_0$: c .
11	10·2	87	1·7	− 1·6	25·4	26·7	27·1	27·4	b : bc : c : b .
12	4·4	38	1·5	− 1·8	25·5	26·7	27·2	27·7	bc : c : ogr$_0$r$_0$: c : bc .
13	8·6	74	2·7	− 0·6	25·6	26·6	27·2	27·7	bc : ogr$_0$r$_0$: c : bc : ct : o .
14	5·4	47	4·9	+ 1·6	25·5	27·0	27·3	27·9	or$_0$r$_0$: bc : c .
15	0·1	1	5·2	+ 1·9	25·6	26·6	27·3	27·1	bc : cgRR : ogr$_0$r$_0$tsm : or$_0$r$_0$: ogr$_0$r$_0$.
16	1·0	9	4·8	+ 1·5	25·6	26·9	27·0	26·1	ogr$_0$r$_0$: orr : ogr$_0$r$_0$t : o .
17	7·2	62	3·4	+ 0·1	25·5	26·9	26·7	25·7	o : cr$_0$r$_0$: c .
18	3·4	29	2·0	− 1·3	25·6	26·9	26·6	26·2	or$_0$r$_0$: ogr$_0$r$_0$.
19	4·4	38	4·0	+ 0·7	25·6	26·8	26·6	26·3	or$_0$r$_0$: c .
20	5·2	45	2·0	− 1·3	25·5	26·6	26·6	26·4	bc : cr$_0$r$_0$: bc : b .
21	11·1	96	3·3	0·0	25·6	26·6	26·7	26·6	b$_0$: bd$_0$: b .
22	9·6	95	2·5	− 0·8	25·6	26·5	26·7	26·6	b : bc : b .
23	9·9	86	1·9	− 1·4	25·6	26·5	26·7	26·6	b : bc : c : bc .
24	11·1	96	1·6	− 1·7	25·6	26·5	26·7	26·7	b$_0$: b .
25	8·8	77	1·7	− 1·6	25·6	26·5	26·7	26·5	bc : b$_0$: bc : c .
26	7·5	66	3·2	− 0·1	25·5	26·4	26·7	26·6	c : bc .
27	10·5	92	3·6	+ 0·3	25·5	26·5	26·7	26·8	b : bc .
28	3·1	27	3·9	+ 0·6	25·6	26·4	26·7	26·9	bc : o : c : o : c .
29	0·0	00	3·6	+ 0·3	25·6	26·4	26·7	26·6	c : og r$_0$ r$_0$: c : bc .
30	8·2	72	2·5	− 0·8	25·6	26·4	26·7	26·2	b bc : c : bc .
...	...	...	...	...	...	...	...	...	..... .
Mean	6·39	55·4	2·80	−0·48	25·53	26·66	26·93	26·74	.....
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 1935.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1011·5mbs	at 09·00hrs.	on 26th	1002·5mbs	at 16·00hrs.	on 19th
Temperature of the Air	30·1°C	at ..	on 12th	18·1°C	at 06h.30	on 24th
Daily range of temperature of the Air ...	10·9°C	..	on 24th	2·4°C	.	on 4th & 15th
Temperature of the Dew Point	24·8°C	at 12.00hrs.	on 19th	16·1°C	at 06·00hrs.	on 24th
Daily range of temperature of the Dew Point	5·2°C	...	on 20th	0·7°C	...	on 15th
Minimum on Grass	...	...	...	14·9°C	...	on 24th
Relative humidity	97·3%	at 06.00hrs.	on 6th	57·6%	at 13·00hrs	on 21st
Vapour Pressure	31·0mbs.	at 12.00hrs.	on 19th	18·1mbs.	at 06.00hrs.	on 24th
Wind Velocity	7·7m.p.s.	at 13·00hrs.	on 19th	0·6mps	...	often
Rainfall in 24 hours	119·8mms.	ending 5·00hrs	on 16th	...	...	...
Evaporation in 24 hours...	7·4mms	...	on 5th	1·2mms	...	on 15th&16th
Duration of sunshine	11·1hrs	...	on 7th,21st&24th	0·0h	...	on 4th&29th

Mean Day Temperature of Air, 25·65°C. Average 25·54°C. Mean Night Temperature of Air, 23·08°C. Average 22·39°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: mms. 0.1 — 0.9	mms. 1.0 — 4.9	mms. 5.0 — 9.9	mms. 10.0 — 24.9	mms. 25.0 and over	Lightning	Thunderstorm
...	3	11	15	1	4	5	5	2	5	...	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.)

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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	075	055	050	058	052	060	056	070	095	075	063	047	049	075	082	082	Midnight
1h	062	047	047	053	049	052	055	070	090	067	055	043	047	073	080	080	1h
2	059	043	048	045	050	043	052	066	086	065	050	043	043	065	072	072	2
3	058	040	046	046	050	042	050	065	079	052	047	036	039	062	069	072	3
4	057	033	050	042	050	041	048	066	077	050	043	033	040	061	067	069	4
5	060	036	048	045	047	043	048	070	076	048	045	031	035	062	067	066	5
6	070	043	050	043	053	048	050	073	075	050	047	032	037	063	070	070	6
7	072	050	050	047	060	052	054	075	078	053	047	039	042	072	073	071	7
8	070	057	057	060	062	054	060	080	081	057	048	042	050	075	080	080	8
9	075	078	060	061	058	060	062	080	085	060	048	043	055	080	086	085	9
10	070	070	058	060	057	062	061	082	086	062	045	047	052	082	087	084	10
11	068	060	057	057	050	058	060	080	084	065	043	045	049	079	080	080	11
Noon	057	045	050	050	047	053	053	075	083	054	037	040	045	077	079	065	Noon
13h	047	040	045	046	040	048	050	072	077	052	034	036	043	073	070	063	13h
14	040	030	040	042	040	043	047	069	071	047	030	033	038	070	068	062	14
15	035	030	038	043	039	042	015	065	065	042	028	029	035	066	065	060	15
16	035	030	040	047	043	045	048	067	063	042	027	026	037	062	064	062	16
17	036	032	040	050	050	050	051	070	062	043	030	027	043	065	072	069	17
18	039	038	042	052	050	049	055	073	067	050	035	029	052	066	073	076	18
19	045	044	053	058	054	048	062	078	070	051	040	037	060	070	080	077	19
20	052	050	060	060	060	053	066	083	073	060	045	040	065	077	086	080	20
21	056	057	063	062	061	060	071	088	078	065	052	050	070	082	090	080	21
22	057	052	062	060	062	060	071	091	079	065	055	052	072	085	088	081	22
23	056	051	062	055	060	058	070	095	077	066	053	050	075	084	083	080	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	078	080	057	040	062	070	071	070	090	110	105	103	100	090	...	1007·2	Midnight
1h	076	075	050	035	060	069	067	065	090	109	101	100	097	087	...	1006·8	1h
2	070	070	045	031	060	068	061	061	087	102	100	093	087	082	...	1006·4	2
3	065	068	040	030	056	067	057	060	085	100	097	090	085	075	...	1006·1	3
4	066	067	040	031	056	070	060	060	086	100	096	087	090	075	...	1006·0	4
5	067	070	038	030	057	070	058	060	087	102	097	088	093	077	...	1006·1	5
6	070	072	037	033	060	073	060	062	093	107	098	095	097	077	...	1006·4	6
7	072	080	040	043	065	077	064	070	098	100	100	102	100	084	.	1006·8	7
8	080	080	050	045	070	082	065	075	100	102	105	106	103	088	...	1007·2	8
9	085	080	053	047	070	083	067	078	102	115	107	111	110	091	...	1007·6	9
10	082	082	050	045	070	080	062	077	101	113	105	111	113	090	...	1007·5	10
11	080	075	045	041	066	075	057	071	097	108	098	110	103	086	...	1007·1	11
Noon	075	071	035	037	060	070	050	065	095	102	091	103	100	081	...	1006·5	Noon
13h	062	061	030	035	054	062	049	062	091	093	085	097	085	074	...	1005·9	13h
14	062	060	027	030	050	060	048	060	090	090	082	090	083	072	...	1005·6	14
15	061	057	027	030	052	059	049	063	090	090	083	089	082	071	...	1005·4	15
16	063	057	025	032	054	060	050	062	091	092	085	083	084	074	...	1005·5	16
17	065	054	027	037	060	065	057	070	093	094	088	084	094	077	...	1005·8	17
18	073	055	030	042	062	066	060	074	098	100	095	093	093	080	...	1006·2	18
19	076	057	034	047	070	070	062	083	102	103	100	095	093	083	...	1006·7	19
20	079	060	039	053	065	074	070	090	109	110	106	100	092	088	...	1007·2	20
21	080	065	040	057	070	079	069	092	112	113	103	102	094	090	...	1007·5	21
22	087	066	040	062	069	068	071	092	114	111	104	100	097	090	...	1007·5	22
23	082	063	040	061	067	065	070	091	113	108	103	100	095	088	...	1007·4	23

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

Hour. \ Day.	April 1935.																															
	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	1	10	3	6	2	4	5	1	1	2	5	5	10	7	10	10	10	10	9	1	2	1	1	0	9	3	7	7	3	...	4·9
1h	2	1	10	4	4	1	4	6	1	2	2	4	7	10	6	10	10	10	10	5	0	3	1	1	1	10	4	6	9	2	...	4·9
2	3	0	10	4	7	1	3	8	1	3	1	3	8	10	6	10	9	10	10	6	0	3	1	0	5	9	3	6	9	1	...	5·0
3	3	2	10	5	9	0	4	10	1	2	0	4	10	10	5	10	9	10	10	8	0	6	1	0	9	9	2	7	10	0	...	5·5
4	2	2	10	9	9	1	4	10	1	5	0	0	10	10	5	10	9	10	10	8	0	5	1	0	9	4	1	9	10	0	...	5·7
5	2	5	10	8	10	2	5	10	2	10	2	8	10	10	9	10	10	10	10	6	0	4	2	0	5	4	2	10	10	0	...	6·2
6	3	8	9	8	10	3	6	10	3	8	3	10	10	10	10	9	10	10	10	4	1	3	3	0	0	8	2	10	10	1	...	6·4
7	5	7	9	8	9	3	5	10	3	6	3	10	10	10	10	9	10	10	10	4	1	2	3	0	0	8	3	10	18	2	...	6·3
8	7	10	8	10	10	3	5	10	3	6	3	9	9	9	10	9	8	10	10	4	1	2	3	1	0	8	4	8	10	3	...	6·4
9	7	10	9	10	10	7	5	9	3	4	4	9	6	7	10	10	8	9	10	4	2	3	4	0	1	8	4	8	10	3	...	6·5
10	7	10	8	10	10	9	5	6	4	7	5	9	3	7	10	10	8	8	9	4	2	4	4	1	3	7	3	8	10	5	...	6·5
11	7	10	9	10	10	7	4	7	4	6	5	9	5	7	10	10	8	8	9	7	2	5	3	1	5	8	6	8	10	8	...	6·9
Noon	6	10	7	10	9	6	4	7	4	7	5	9	6	9	10	10	7	10	8	9	2	7	4	1	4	7	6	8	10	9	...	7·0
13h	8	9	8	10	9	8	4	7	4	9	7	9	6	7	10	10	8	10	7	10	2	5	4	1	5	7	6	9	10	10	...	7·3
14	4	10	9	10	8	9	4	7	5	9	6	9	9	8	10	10	8	10	7	9	3	6	6	1	6	7	7	9	10	9	...	7·5
15	4	9	8	10	6	9	3	7	5	9	6	8	7	8	10	9	8	10	8	9	3	6	7	2	6	7	8	9	10	9	...	7·3
16	4	9	9	10	7	10	3	7	5	9	6	8	7	8	10	9	8	10	8	9	3	6	7	1	8	7	7	9	10	9	...	7·4
17	8	10	9	10	8	10	3	4	8	9	8	8	9	7	10	8	10	9	9	8	2	5	8	1	9	9	7	9	9	8	...	7·7
18	9	10	10	10	9	9	3	3	7	9	9	7	9	7	10	10	10	9	9	7	1	5	9	1	7	9	8	10	9	4	...	7·6
19	3	10	10	9	7	9	3	2	0	9	10	8	9	8	10	10	9	9	8	6	1	3	9	1	8	9	5	10	9	3	...	7·1
20	2	10	9	8	5	9	2	2	2	9	7	7	9	9	10	10	8	9	7	1	1	2	8	1	8	6	7	7	8	3	...	6·2
21	0	10	8	6	4	7	3	1	1	9	3	6	10	9	10	10	9	9	6	2	1	2	6	1	9	8	8	6	7	4	...	5·8
22	0	10	5	7	3	7	3	1	1	8	2	3	10	9	10	10	9	9	8	2	1	2	3	0	9	8	8	5	6	4	...	5·4
23	0	10	4	8	3	6	3	1	1	7	1	2	10	7	10	10	9	9	9	1	1	2	3	0	10	6	7	8	4	3	...	5·2

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

Hour Ending. \ Day.	April 1935.																															
	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	...	0·0
7	0	5	0	0	3	20	35	4	13	30	35	0	4	0	0	0	0	0	0	35	35	35	30	35	35	10	25	10	0	20	...	7·0
8	0	25	16	0	0	60	60	4	60	60	60	0	36	45	0	0	1	51	0	55	60	60	60	60	60	8	60	18	0	60	...	16·3
9	17	0	60	0	0	45	60	30	60	60	60	46	42	60	0	10	45	60	0	60	60	60	60	60	60	60	60	17	0	60	...	20·2
10	50	0	20	0	0	25	60	60	60	60	50	30	60	50	0	0	58	55	0	60	60	60	60	60	60	45	60	34	0	60	...	20·1
11	56	0	35	0	0	35	60	60	60	55	60	36	60	50	0	0	60	25	0	48	60	60	60	60	60	45	60	25	0	60	...	19·8
Noon	40	0	55	0	0	60	60	60	60	30	60	14	60	9	0	0	60	0	40	15	60	57	60	60	60	30	60	0	0	59	...	17·8
13h	32	0	52	0	29	60	60	60	60	0	60	0	60	15	0	0	60	8	60	5	60	48	60	60	60	60	60	20	0	60	...	18·5
14	48	32	35	0	40	60	60	60	60	10	56	2	33	5	3	30	40	0	50	15	60	60	60	60	38	45	60	29	0	56	...	18·4
15	60	60	15	0	50	35	60	60	60	0	40	55	50	17	0	20	55	0	55	20	60	60	28	60	55	55	60	35	0	49	...	19·4
16	60	58	55	0	37	0	60	60	60	12	60	60	60	16	0	0	52	0	45	0	60	60	60	60	8	35	60	0	0	5	..	17·4
17	55	10	5	0	12	0	60	60	60	0	60	10	50	52	0	0	4	4	8	0	60	5	56	60	20	48	60	0	0	5	...	12·7
18	24	0	0	0	0	0	30	30	30	0	13	10	0	4	0	0	0	0	3	0	30	10	0	30	10	7	5	0	0	0	...	4·0
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 191.7 hrs. and the total possible sunshine was 348·3 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)

APRIL 1935.

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

APRIL 1935.

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during APRIL 1935.

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 1935.

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	09	4·1	09	1·4	07	1·3	08	1·6	11	1·2	12	1·0	13	1·5	10	2·0	10	2·1	10	1·8	11	1·1	12	1·3	08	1·3	13	4·0	11	4·4	09	6·3
1h	09	3·0	09	1·2	06	3·7	08	1·4	11	0·8	12	3·2	13	2·2	10	1·8	10	1·8	10	1·4	11	1·1	12	0·8	10	1·1	11	4·4	10	3·5	10	5·1
2	11	2·0	10	1·8	07	4·2	08	1·8	11	1·5	14	3·0	12	1·9	08	3·0	10	1·9	10	1·6	11	1·1	12	1·1	10	1·2	12	4·4	10	4·8	09	3·6
3	11	1·7	10	1·9	06	4·2	08	1·5	12	2·3	14	2·0	12	1·8	08	1·2	10	2·1	10	1·6	11	1·4	12	1·1	10	1·7	12	4·1	09	4·9	10	3·7
4	11	1·6	11	1·6	06	3·4	08	1·8	09	4·1	14	2·5	12	1·8	12	1·7	11	1·8	10	1·2	11	1·6	12	1·1	12	2·1	12	4·5	10	4·1	09	4·3
5	11	1·8	11	1·8	07	2·4	07	1·6	09	2·8	14	1·5	12	1·6	09	1·2	11	1·4	10	1·6	11	1·0	07	1·5	08	2·5	12	5·2	10	4·0	10	4·7
6	11	2·1	11	2·1	08	2·5	08	1·3	11	1·7	14	0·7	12	1·6	04	2·6	11	2·0	12	1·3	11	1·7	10	1·4	11	2·1	11	5·4	08	6·8	09	5·1
7	09	1·5	11	1·8	08	3·2	08	1·0	11	1·0	14	1·0	12	1·6	02	1·8	11	2·7	12	1·5	11	1·3	10	1·1	11	2·5	12	5·8	08	5·1	10	5·8
8	10	1·5	05	4·0	06	2·7	06	2·3	11	0·9	12	2·6	12	2·6	09	2·7	10	2·1	12	1·8	11	1·5	10	0·9	11	2·4	12	5·8	11	4·7	09	4·8
9	12	2·1	04	7·1	05	3·6	11	2·2	11	1·3	11	2·7	10	3·7	09	3·9	08	3·5	11	2·3	07	1·5	08	1·3	08	2·9	13	7·1	10	4·9	09	5·9
10	09	2·7	12	3·1	06	4·5	11	2·1	11	2·0	10	2·9	10	4·0	07	5·1	09	3·6	08	1·9	08	2·0	03	2·0	09	3·2	11	5·7	10	6·7	10	5·3
11	08	3·2	12	2·5	05	4·8	09	1·2	12	1·8	09	2·5	10	3·9	08	4·5	09	3·4	08	2·0	05	2·0	03	2·3	10	3·6	09	5·3	10	4·6	10	6·7
Noon	10	4·4	12	3·4	05	4·4	09	1·6	08	1·6	06	2·8	10	3·5	09	4·3	06	3·8	18	2·7	05	2·2	r32	2·2	08	3·7	10	7·6	10	6·0	10	7·4
13h	08	4·4	12	2·9	06	3·8	r31	1·8	12	1·6	05	2·9	09	2·8	09	4·4	10	3·4	22	2·8	04	2·6	13	3·8	08	3·4	09	5·0	10	5·5	09	7·1
14	09	4·5	08	3·2	05	3·7	13	1·7	09	1·8	02	3·9	09	5·2	07	4·4	07	2·7	22	1·8	02	2·4	13	2·9	05	3·1	10	4·1	11	5·0	06	5·8
15	07	4·5	09	4·2	05	4·2	12	1·1	08	2·5	02	2·5	06	4·3	09	4·4	07	2·8	21	2·2	03	2·4	15	1·9	08	2·4	09	4·5	09	5·7	08	5·1
16	06	4·3	09	3·5	07	3·5	12	1·8	07	2·6	04	2·3	09	3·7	09	3·9	10	2·8	22	2·2	02	2·4	15	1·1	07	2·8	10	4·3	10	6·2	09	3·8
17	07	3·6	09	2·5	07	2·4	11	1·2	08	1·6	14	1·4	10	3·7	10	4·1	10	2·8	21	1·2	01	1·9	15	0·7	08	1·1	10	4·1	09	5·1	10	4·1
18	09	2·3	09	4·4	08	1·9	10	3·5	09	1·9	14	3·0	10	2·9	10	2·4	10	2·2	21	1·0	13	2·1	15	1·1	09	3·5	11	3·8	09	6·1	07	3·1
19	09	2·1	09	2·2	08	2·6	08	2·0	11	1·6	13	1·9	10	2·2	10	1·9	10	1·4	13	1·9	13	1·6	15	0·8	12	2·1	12	3·7	10	5·4	07	2·4
20	09	1·9	11	1·8	08	0·7	09	2·0	11	1·2	13	1·2	10	2·2	10	1·8	10	1·7	11	1·8	13	1·6	15	1·1	12	1·8	11	4·2	09	4·8	10	3·9
21	09	2·2	09	1·7	08	2·0	10	1·5	11	1·7	13	1·8	12	2·2	10	2·4	11	1·7	11	1·1	13	1·3	15	1·3	12	4·5	11	4·2	10	4·8	11	3·6
22	09	2·0	13	2·7	08	1·8	10	1·3	11	1·5	13	1·6	12	2·5	10	2·9	11	1·8	11	1·7	13	1·0	15	1·3	12	3·1	11	4·2	10	5·2	11	3·9
23	09	2·5	10	3·2	08	1·2	10	1·1	12	1·2	13	1·9	12	2·0	10	3·0	11	1·7	11	1·5	13	1·5	15	1·0	12	4·8	11	4·9	11	5·4	10	4·0

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	09	4·2	08	1·3	03	1·7	21	3·5	15	2·1	12	1·4	13	1·8	13	1·1	16	1·7	16	1·2	11	5·2	12	2·6	11	5·3	11	1·9	...	...	2·4
1h	08	4·2	08	1·3	03	1·7	22	2·2	16	1·8	12	1·8	13	1·5	13	1·2	13	1·3	14	0·9	12	4·1	12	3·5	12	3·8	11	1·9	...	...	2·3
2	10	4·3	08	1·7	05	0·8	22	3·2	16	1·6	14	1·5	13	1·6	13	1·1	13	1·3	12	2·0	12	3·4	12	3·2	12	3·9	11	2·1	...	...	2·4
3	09	3·5	05	1·1	05	1·2	16	1·8	16	2·7	14	0·7	13	2·0	13	1·1	13	1·4	12	2·8	12	2·7	10	3·5	12	3·7	11	1·9	...	...	2·3
4	09	3·1	05	1·1	02	1·7	16	1·0	16	2·3	14	1·1	13	2·1	13	1·3	13	1·7	12	3·1	12	2·8	12	3·1	06	3·1	11	1·9	...	...	2·3
5	10	3·0	08	1·6	02	2·1	16	1·1	16	2·2	14	1·2	13	2·2	13	1·4	13	1·1	12	2·0	12	2·4	12	3·3	11	2·8	11	1·7	...	...	2·2
6	09	3·2	08	1·8	02	3·3	06	1·1	16	1·9	14	1·8	13	1·6	13	1·8	13	1·1	12	1·1	12	2·3	11	2·9	13	2·8	11	1·5	...	...	2·3
7	08	4·0	08	2·1	01	4·8	06	1·1	15	2·7	14	2·3	13	1·0	13	0·7	13	1·4	12	1·5	12	3·6	11	3·1	13	3·3	11	1·4	...	...	2·4
8	08	3·1	07	2·1	01	5·4	14	0·6	15	3·8	14	2·5	13	0·6	13	1·6	13	1·1	12	1·3	11	3·8	12	3·1	10	4·3	11	1·5	...	...	2·6
9	06	4·5	07	4·4	01	4·9	14	1·1	15	4·8	11	3·6	12	2·2	19	0·6	12	1·1	12	2·0	10	6·9	10	3·8	11	5·3	11	3·8	...	...	3·5
10	07	5·7	06	2·6	r32	5·4	11	2·1	12	5·7	12	3·8	12	2·7	19	1·0	15	1·2	12	3·7	12	5·5	10	4·8	10	4·7	11	3·2	...	...	3·6
11	06	4·4	06	4·4	30	5·3	d24	2·1	12	4·9	14	3·9	11	5·3	d30	0·8	23	1·3	14	6·1	11	4·1	08	4·7	09	5·8	11	2·8	...	...	3·6
Noon	06	5·2	06	4·0	29	6·8	29	1·8	12	5·5	09	4·1	10	3·3	26	1·6	26	3·1	16	5·0	10	5·2	08	4·9	09	5·3	10	2·6	...	...	4·0
13h	06	5·0	02	3·4	29	7·7	19	1·2	12	5·2	12	5·0	06	3·3	24	2·5	26	2·8	16	4·9	12	4·4	09	6·1	09	5·1	11	3·2	...	...	3·9
14	05	3·8	04	3·0	26	5·4	18	1·7	13	5·1	12	4·7	08	2·2	24	2·8	25	2·8	16	5·0	10	4·8	09	3·0	09	4·7	11	3·5	...	...	3·6
15	07	3·6	04	2·2	24	5·1	14	3·7	13	4·9	12	5·5	d21	2·9	22	2·7	26	2·9	12	3·6	12	4·5	10	3·5	09	3·6	11	2·0	...	...	3·5
16	07	3·8	04	1·2	24	4·6	14	2·9	12	5·0	12	2·4	23	4·2	22	2·7	25	3·0	16	4·7	10	3·6	12	3·4	09	4·3	11	2·8	...	...	3·3
17	09	3·1	04	0·8	25	3·9	15	1·9	13	4·2	12	2·7	19	2·1	22	2·4	15	1·1	12	4·9	12	3·5	12	3·5	11	2·6	11	3·4	...	...	2·7
18	07	1·3	04	1·6	25	3·9	15	1·5	13	2·4	12	2·0	13	1·0	20	2·1	15	1·2	12	2·2	12	2·5	11	2·9	12	1·5	11	2·9	...	...	2·5
19	09	1·3	04	1·8	26	3·5	15	1·5	13	1·8	13	2·1	13	0·6	18	0·7	15	1·1	12	3·8	12	2·1	12	3·3	11	2·4	13	2·8	...	...	2·1
20	09	1·6	07	0·8	25	3·4	14	3·3	13	3·7	13	2·3	13	0·6	17	1·5	13	1·7	10	3·1	12	1·0	12	5·8	11	2·3	13	2·2	...	...	2·3
21	09	3·1	r32	0·8	25	4·0	13	4·0	12	2·6	13	2·4	13	0·6	16	1·7	13	2·2	12	3·1	12	3·1	13	4·4	11	2·8	12	2·5	...	...	2·5
22	08	2·3	31	1·0	24	3·8	14	2·7	12	1·8	13	1·3	13	1·0	16	1·9	14	2·0	11	2·3	12	3·2	12	4·6	12	2·3	11	2·8	...	...	2·4
23	08	1·9	01	1·8	23	3·7	14	1·8	12	1·6	13	0·8	13	1·1	16	1·5	13	1·9	12	4·8	12	3·3	10	5·2	12	2·0	12	2·5	...	...	2·5

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), APRIL, 1935.

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	...	...	30	...	...	2	1	4	6	13	2	2	...	...	...	...	..	...	...
9	...	4	26	1	...	2	1	7	4	12	1	1	...	1	...	...	...	...	...
15	...	2	28	...	1	3	1	11	1	6	1	1	...	2	1	1	1	...	...
21	...	...	30	1	...	...	...	4	3	19	...	2	...	...	...	1	...	...	...
Totals	...			2	1	7	3	26	14	50	4	6	...	3	1	2	1	...	...

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for APRIL 1935.

Hour \ Day	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st
	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	5·0	...	3·0	...	...	0·4	...	...	...	...	..	...	...	..	..	...	...	...
2	...	...	0·7	...	...	...	...	0·1	...	...	...	...	...	1·2	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	5·5	...	...	...	...	1·9	...	0·3	...	..	...	..	...	0·2	...	0·6	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	0·3	1·7	0·1	0·5	...	0·1	9·0	...	0·1	...	...	1·9	0·2	...	4·6	...	...	4·8	0·1	0·1	...	...	..	...	...	...	...	...	...	...
5	...	...	13·9	0·3	...	...	...	1·4	...	...	...	...	0·6	...	...	0·1	...	...	0·9	...	0·1	...	...	...	...	...	...	...	0·3	...	...
6	...	...	3·3	...	...	...	...	...	...	0·3	...	...	0·2	0·2	46·7	0·3	3·6	...	...	...	0·1	...	...	...	...	...	...	...	0·1	...	...
7	0·6	...	...	0·1	...	...	...	1·6	...	...	...	0·1	0·1	0·2	...	0·5	0·4	0·2	...	...	0·1	...	...	...	..	...	...	...	...	...	...
8	...	...	...	3·5	...	...	...	...	...	...	...	...	...	0·2	...	0·3	...	0·2	...	...	...	...	...	...	...	...	...	..	0·1	...	...
9	2·3	9·7	...	12·0	...	...	...	...	...	...	...	...	...	...	1·0	2·1	...	...	0·2	...	...	...	...	...	...	...	...	...	0·9	..	...
10	...	10·9	...	0·8	...	...	...	...	...	...	...	...	..	...	19·8	18·5	1·1	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...
11	...	1·5	...	1·3	0·1	0·1	...	...	...	...	...	...	...	...	1·4	0·8	...	...	..	...	...	...	...	...	...	...	...	...	...	..	...
Noon	1·0	0·6	...	2·9	...	0·1	...	...	...	...	...	...	...	...	5·6	...	...	...	...	0·8	...	...	...	...	...	...	...	...	0·1	...	...
13h	...	...	...	22·1	...	...	...	..	..	2·8	...	2·6	...	...	2·5	0·2	...	...	...	5·2	...	...	...	...	...	...	...	...	...	...	...
14	0·1	...	...	22·1	...	...	...	...	...	0·3	...	0·6	...	...	...	...	...	0·7	...	..	...	...	...	...	..	...	...	...	...	...	...
15	...	...	0·9	22·2	...	...	...	...	...	0·6	...	0·2	...	...	0·8	...	..	1·6	...	...	..	...	...	...	...	..	..	...	...	...	...
16	...	...	...	1·3	...	6·2	...	...	...	...	...	..	...	...	0·6	...	...	11·9	0·1	...	...	...	...	...	...	...	...	...	...	...	...
17	...	..	...	3·7	...	0·4	...	...	...	...	...	...	...	...	2·5	...	2·1	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	0·2	...	0·2	..	...	...	...	..	...	...	...	11·0	8·9	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
19	0·2	...	...	...	...	2·0	...	...	...	...	0·1	...	...	...	1·5	2·1	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
20	...	...	...	...	. .	...	...	...	...	...	0·1	...	...	...	1·5	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
21	...	8·2	...	...	...	...	...	...	...	...	...	...	...	...	2·0	1·5	...	2·2	0·1	..	...	...	...	...	...	...	...	...	...	...	...
22	..	3·8	0·1	...	...	0·1	..	..	...	...	...	...	...	...	4·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	8·6	...	...	...	...	...	...	...	...	..	...	...	...	0·3	...	..	...	...	...	...	...	...	...	...	...	...	...	..	...	...
24	...	1·0	...	...	...	...	...	...	...	...	...	...	..	..	9·7	...	...	5·1	..	...	...	...	...	...	...	...	.	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of APRIL 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	17·92	455·2	5·95	19
*	St. Antoine	50	23·95	608·3	5·47	23
*	Belmont	50	25·98	659·9	6·01	20
*	Poudre d'Or	20	26·93	684·0	5·88	20
	Mon Loisir S. E.	300	27·05	687·1	6·79	23
	Forbach	300	22·92	582·2	5·20	20
*	Couroupa...	...	24·41	620·4	6·91	24
*	Labourdonnais	290	22·36	568·0	6·21	16
	Mapou	...	23·99	609·3	...	17
	Beau Séjour	300	22·88	581·1	7·34	25
	Mont Piton	650	21·38	543·0	7·37	25
	Mon Choix	700	20·67	525·0	6·74	22
	Antoinette	640	22·78	578·6	7·40	26
	Mon Songe	620	28·27	718·0	7·72	22
*	Botanical Gardens... ...	325	21·98	558·3	6·18	21
	The Observatory	179	15·41	408·9	5·12	21
	Solitude	175	20·03	508·8	4·11	14
	Triolet	...	...	...	...	...
	St. André...	90	18·32	465·3	5·30	14
	La Nicolière	...	32·04	813·8	12·03	23
	California	...	33·53	851·6	7·31	19
	Australia	...	...	...	...	...
2 & 3	Union Réguard S.E.(Flacq)...	600	27·58	700·5	8·77	21
	Constance d'Arifat I.G. ...	100	24·74	628·4	7·69	25
	Rich Fund	600	22·11	561·6	9·64	28
	La Joffrette	...	28·62	726·9	...	19
	Belle Vue (Allendy) ...	...	25·90	657·8	9·30	21
4 *	Sans Souci	900	38·24	971·3	15·21	28
	Beau Champ (G.R.S.E.) ...	20	30·22	767·6	7·53	22
	Olivia	400	43·01	1092·4	10·96	25
	Trois Ilots	...	37·62	955·5	...	22
	Belle Rive	400	51·71	1313·4	14·19	28
	Sébastopol	700	33·69	855·7	...	25
	Bonne Veine	400	29·57	751·1	15·09	24
5	Rose Belle	850	44·36	1126·7	15·40	27
	New Grove	650	38·80	985·5	...	27
	Mon Trésor	...	29·39	746·5	...	24
	Mon Désert (Carié) ...	75	27·30	693·4	6·77	23
	Ferney	20	35·85	910·6	9·90	27
	Sauve Terre	...	35·57	903·5	...	25
6	Tivoli	1,300	31·48	799·6	15·08	30
	La Flora...	1,050	38·45	976·9	16·37	27
6	Riche Bois (Brit.) ...	650	32·99	837·9	12·15	27
	Britannia (Estate) ...	700	36·75	933·4	11·61	26
	Savannah (Mill) ...	200	33·09	840·5	8·19	23
	St. Aubin	300	27·91	708·9	9·00	23
	St. Avold	900	33·97	862·8	12·84	29
	Colmar	400	33·80	858·5	10·42	25
	Union S. E.	...	29·79	756·7	8·55	21
	Fontenelle	320	30·31	769·9	9·29	21
	Choisy	200	27·78	705·6	6·70	23
	Beau Bois	...	42·28	1073·9	9·83	25
	Bel Air	...	37·13	943·1	8·28	19
	St. Félix	...	41·24	1047·5	...	21
7,8,9&10	Bel Ombre	40	28·01	711·4	6·61	20
	Beau Champ (B. du Cap)	70	26·70	678·2	7·65	21
	Frélérica	...	32·01	813·0	...	21
	Pierre Fond	...	21·39	543·3	6·08	22
	Ste. Marie	...	28·44	722·4	...	20
	Hussonia Limited ..	...	9·10	231·1	...	13
11	Curepipe Gardens ...	1,840	32·86	834·6	11·76	...
	Mare aux Vacoas (G.E.)	1,850	35·77	908·5	16·19	26
	Mare aux Vacoas (Arn.)	1,830	38·83	986·3	14·93	26
	La Marie Filter Bed ...	1,700	28·80	731·5	9·62	23
*	Sophie	...	33·65	854·6	...	25
	Réunion	1,420	26·30	668·0	7·85	22
*	Aerological Station ...	1,393	25·71	653·1	10·30	23
	Phœnix	...	19·11	485·4	6·95	20
	Quatre Bornes... ...	...	14·94	379·5	...	20
12	Quatre Bornes (Board) ...	1,090	18·12	460·2	...	15
*	Le Réduit (D. of A.) ...	1,000	16·84	427·8	4·85	28
	Alma...	1,460	28·81	731·8	12·95	20
	Bagatelle	1,250	24·76	628·9	7·33	22
	Highlands	1,300	24·99	634·7	8·64	20
	Trianon	950	18·37	466·6	5·70	22
	Val Ory	1,100	...	...	5·80	...
	Bassin	...	18·66	473·9	7·30	21
	Hermitage	1,450	28·00	711·2	13·25	22
	Ebene	...	20·24	514·1	...	22
	Bega...	...	19·50	495·3	...	22
	Mon Rêve	...	18·75	476·2	...	22
	Mont Pevril	...	21·97	558·0	...	22
	Minissy	1,150	18·27	464·0	7·55	22
	Plaisance	...	25·86	656·8	...	22
	La Ferme	350	11·12	282·4	4·75	17

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 1935.

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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	11	...	...	350	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	93	11·2*	85	4·0*	...	...	...	...	...	...	295·0	*
8	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	90	9·6	75	7·4	...	...	...	...	...	...	...	...
9	11¾	90	16·1	75	8·1	...	...	...	...	...	...	...	...	14¾	90	...	...	...	...	...	...	...	...	...	255	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	11½	55	30·6*	52	15·0*	5·0	8·2*	...	...	...	...	265	1·9*	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	11½	115	8·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	11	...	...	...	...	355	7·4*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	12½	130	33·9*	122	...	...	...	145	1·8*	137	2·4*	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	9½	...	...	...	...	330	...	...	...	330	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. XXI. PART 5. PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

MAY, 1935

M. HERCHENRODER, B. Sc.

ACTING 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 MAY 1935.

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)
MAY	′			′		
1	12°57·3	·22553	·29688	4·8	31	24
2	56·9	530	697	6·2	47	16
3	57·6	527	696	5·5	30	18
4	57·4	527	695	6·5	14	17
5	57·5	536	696	5·2	18	14
6	57·7	541	695	5·3	24	15
7	58·2	542	693	6·0	24	20
8	57·8	540	697	7·0	17	7
9	58·0	536	694	9·0	37	18
10	57·8	547	693	6·2	63	13
11	58·0	524	697	3·7	43	11
12	57·7	523	695	3·5	33	17
13	57·5	532	695	3·4	22	14
14	58·1	529	694	4·3	18	16
15	58·0	535	695	4·6	15	14
16	57·9	534	694	5·4	33	22
17	58·2	540	694	4·0	28	17
18	58·4	538	693	4·2	19	18
19	58·6	530	693	4·0	24	21
20	58·5	515	694	5·0	65	16
21	58·3	521	693	5·5	17	16
22	58·3	518	692	4·0	17	14
23	58·4	522	691	4·5	16	11
24	58·5	528	689	3·0	24	10
25	58·5	536	685	4·0	26	17
26	58·2	531	685	4·7	39	11
27	58·5	529	685	5·5	24	12
28	58·7	532	682	4·5	25	17
29	58·9	529	679	5·0	27	23
30	58·6	524	681	5·0	32	20
31	58·8	526	681	3·7	17	13
Mean	12°58·09	·22531	·29691	4·94	28·1	15·9

Description of the Principal Magnetic Disturbances.

Declination.—2d. Small fluctuations between 2^h. and 8^h. 11d. and 12d. Slightly disturbed trace at times. 13d. $1^h.30^m$. sudden change of $2'.5$. 20d. Slightly disturbed trace.

Horizontal Force.—1d. $16^h.30^m$. Sudden commencement of a short disturbed period. Fluctuations of 70γ in range with small oscillations superposed. At 2d. $2^h.45^m$. large positive wave of 45γ followed by small oscillations. 10d. 11^h. Beginning of a slightly disturbed period; at 11d. $2^h.20^m$. sudden and large positive wave 30γ. 13d. $1^h.15^m$. Sudden and small positive wave. 16d. Slightly disturbed. 19d. $6^h.15^m$. Sudden positive wave of 30γ. 20d. Generally disturbed trace with large fluctuations; the absolute range amounts to 72γ. 30. Very slightly disturbed trace.

Vertical Force.—1d. $16^h.45^m$. Sudden commencement of a short disturbed period. Continuous oscillations superposed on the fluctuating trace. 10d. and 11d. Very slightly disturbed. 13d. $1^h.15^m$. Sudden small negative wave (5γ). 16d. Small oscillations at times. 20d. Slightly disturbed trace; small positive wave at $18^h.30^m$.

T=·37273: Mean Dip=52° 48′·50: (X=·21956: Y=−·05056: Z=·29691).
† 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 1935.

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	° ′	
MAY 10·13·22	12 56·75	MAY 8· 9·28	·22548	MAY 10·13·36	52·45·56	·29687
14·14·41	12 56·00	10· 8·51	·22553	14·14·52	52·48·31	·29679
21·14·45	12 54·78	18· 9·18	·22551	21·14·56	52·48·37	·29685
31·13·12	12 59·30	20· 9·03	·22556	31·13·21	52·46·56	·29689
		23· 9·26	·22510			
		28· 9·13	·22529			

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

MAY 1935.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	57·3	57·7	57·7	57·7	57·5	57·5	57·5	58·0	58·2	58·2	58·0	58·0	58·0	58·3	58·0	57·7	Midnight
1h	57·5	57·5	58·0	57·8	57·5	57·3	57·5	57·7	58·4	57·7	58·5	58·0	58·3	58·4	57·7	57·5	1h
2	57·7	57·5	58·5	58·0	57·5	57·3	57·7	57·7	57·8	57·7	58·5	57·5	57·0	57·7	57·7	57·5	2
3	57·7	56·0	58·5	58·0	57·7	57·5	58·0	58·0	58·0	57·7	58·5	56·5	58·5	57·7	58·3	57·5	3
4	57·6	55·3	58·7	57·8	58·0	57·7	58·0	57·8	57·7	57·5	56·7	56·7	58·3	57·5	58·5	58·0	4
5	57·7	57·5	58·6	58·0	57·5	58·3	58·2	58·3	58·2	57·5	57·5	56·5	58·0	58·0	58·5	56·7	5
6	57·5	56·0	58·3	57·7	57·5	58·5	58·0	58·0	57·5	57·5	57·0	53·5	57·5	57·7	58·5	57·5	6
7	57·2	54·0	57·2	57·5	57·0	57·5	58·0	57·5	57·0	57·7	57·0	55·0	57·0	57·5	58·5	57·0	7
8	58·3	52·0	58·0	58·0	57·7	58·0	58·7	58·7	58·5	59·0	57·7	55·5	58·0	59·0	59·7	58·5	8
9	59·5	56·0	59·5	59·5	59·0	59·5	60·0	60·3	61·0	61·0	58·5	58·0	58·3	60·0	60·3	60·7	9
10	60·0	57·7	60·0	60·0	59·5	60·0	61·3	60·5	62·5	61·5	59·5	60·5	58·0	60·0	59·5	61·0	10
11	58·5	57·0	58·5	59·0	59·5	59·0	61·0	60·7	62·5	60·0	60·0	60·5	56·7	60·0	58·0	57·0	11
Noon	56·0	57·0	57·5	58·0	58·0	57·7	59·7	59·5	60·0	58·0	59·5	60·3	56·3	59·3	56·5	56·5	Noon
13h	55·3	57·5	55·5	54·5	56·5	56·0	58·5	56·5	56·5	56·5	58·7	59·7	56·0	58·0	56·0	55·7	13h
14	55·5	57·5	54·7	54·0	55·0	55·0	56·7	54·3	54·0	55·5	57·5	58·5	55·3	56·5	55·7	55·6	14
15	55·5	57·0	54·5	53·5	54·3	54·7	55·3	53·7	53·5	55·5	56·5	57·0	55·5	55·7	56·0	56·5	15
16	55·2	57·7	55·5	53·7	54·7	55·5	55·3	54·5	54·5	55·3	56·3	56·0	55·7	56·0	56·5	57·5	16
17	56·5	58·0	57·0	57·0	56·5	57·0	56·5	56·5	56·5	56·5	57·0	57·3	57·3	57·3	57·5	58·3	17
18	57·0	58·2	57·8	58·2	57·5	58·3	57·5	57·5	57·5	57·7	58·0	58·5	58·5	58·5	58·3	58·5	18
19	56·0	57·8	58·0	58·5	58·3	58·4	58·3	58·0	58·3	58·2	58·5	58·2	58·7	58·5	58·5	59·3	19
20	56·5	57·5	58·0	58·0	58·4	58·5	58·5	58·3	58·5	57·7	58·3	58·4	58·6	58·5	58·3	59·3	20
21	58·0	57·5	57·7	58·0	58·5	58·4	58·7	58·4	58·5	57·5	58·5	58·3	58·5	58·3	58·3	59·2	21
22	58·0	57·5	57·5	57·5	58·2	58·3	58·5	58·3	58·3	59·0	58·5	58·4	58·5	58·2	58·5	59·0	22
23	57·3	57·5	57·5	57·5	57·7	57·8	58·3	58·0	58·3	58·0	58·0	58·3	58·3	58·0	58·0	58·5	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	58·0	58·0	57·7	59·0	58·5	58·0	58·5	58·3	58·3	58·3	59·3	59·0	58·7	59·0	59·2	58·2	Midnight
1h	57·8	58·0	57·5	59·0	58·3	58·3	58·5	58·3	58·3	58·2	59·3	59·0	58·7	59·0	59·2	58·2	1h
2	58·3	58·2	58·7	58·5	58·5	58·5	58·5	58·2	58·2	58·0	59·5	59·3	58·5	59·0	59·4	58·1	2
3	58·5	58·3	59·0	58·3	58·0	56·5	58·3	58·0	58·0	58·2	59·0	59·0	58·5	58·7	59·0	58·0	3
4	58·0	58·5	59·5	58·5	58·0	58·5	58·3	58·0	58·0	58·0	58·7	58·7	58·5	58·5	59·0	58·0	4
5	58·5	58·5	58·5	58·3	58·3	59·0	58·0	58·0	57·5	57·7	58·3	58·3	58·3	58·5	59·0	58·1	5
6	58·5	58·5	58·5	59·3	58·5	58·7	57·5	58·3	57·5	57·7	58·1	58·5	58·3	58·3	58·7	57·8	6
7	57·5	57·7	58·0	57·5	58·0	57·5	57·3	57·3	57·0	56·5	57·8	57·7	58·0	58·3	57·7	57·3	7
8	58·0	58·7	59·0	55·0	58·5	58·5	57·5	57·5	58·0	57·5	58·5	58·0	59·5	59·0	58·0	57·3	8
9	59·3	60·5	59·7	58·0	60·0	59·7	58·7	59·0	59·5	58·0	60·0	60·0	61·0	60·3	59·0	59·5	9
10	60·0	60·7	60·0	59·5	60·2	59·7	59·7	60·0	60·5	58·7	60·5	61·0	61·5	60·5	59·0	60·1	10
11	60·3	60·0	59·5	57·7	59·0	58·5	59·7	60·0	60·5	59·5	61·0	60·5	60·3	60·0	59·5	59·5	11
Noon	59·7	59·0	59·5	58·7	58·0	57·3	59·3	59·0	60·0	59·5	60·0	60·0	60·0	59·5	60·0	58·7	Noon
13h	57·5	57·3	58·0	58·7	57·0	57·0	58·0	58·5	59·0	58·5	58·0	57·5	59·5	57·3	59·7	57·4	13h
14	56·5	57·0	56·5	57·5	55·5	56·3	56·0	57·5	57·2	56·3	56·0	56·5	57·5	56·0	67·5	56·2	14
15	56·3	56·5	56·0	57·0	54·7	55·7	55·5	57·0	56·5	55·0	55·5	56·5	57·0	55·5	56·3	55·7	15
16	56·5	57·2	56·7	57·5	56·0	56·0	56·5	57·0	56·5	55·5	55·5	56·7	56·5	56·5	56·5	56·0	16
17	57·7	58·3	58·5	58·7	58·0	58·5	58·5	58·0	57·5	58·0	57·5	58·0	58·0	58·0	58·5	57·6	17
18	58·5	59·0	59·3	60·0	59·5	59·3	59·3	59·0	59·0	58·5	58·0	58·5	59·0	58·5	59·0	58·4	18
19	58·7	59·0	59·3	60·0	59·7	59·5	59·5	59·3	59·3	59·5	58·5	59·3	59·0	59·3	59·5	58·8	19
20	58·5	58·5	59·3	59·5	59·5	59·7	59·5	59·5	59·5	59·5	59·0	59·5	59·3	59·3	59·7	58·7	20
21	58·5	58·3	59·5	59·5	59·3	59·5	59·5	59·3	59·3	59·7	59·0	59·0	59·5	59·0	59·5	58·7	21
22	58·3	58·0	59·0	59·3	59·3	59·3	60·0	59·2	59·0	59·7	59·0	59·3	59·5	59·0	59·5	58·7	22
23	58·3	58·3	59·0	58·7	58·5	58·7	58·7	59·0	58·7	59·7	59·3	59·0	59·3	59·3	59·3	58·4	23

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

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

MAY 1935.

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	548	530	522	523	530	533	538	539	536	540	515	521	523	533	530	540	Midnight
1h	547	535	523	523	531	535	539	539	535	539	540	521	525	533	530	533	1h
2	550	530	526	525	532	538	540	539	537	538	515	523	521	532	531	539	2
3	552	550	527	527	531	540	541	540	540	539	516	528	530	533	532	540	3
4	552	560	530	520	532	540	545	541	541	541	523	530	531	532	533	540	4
5	557	550	533	521	537	541	550	541	542	543	525	530	536	532	534	540	5
6	557	540	533	531	539	541	549	542	543	547	523	539	537	533	535	550	6
7	559	527	535	533	541	543	550	545	545	548	527	542	535	535	536	550	7
8	560	537	540	534	543	550	551	547	547	552	532	543	531	532	536	550	8
9	561	527	540	534	543	554	553	549	550	557	530	527	525	531	537	550	9
10	560	521	537	534	543	555	551	550	547	563	537	520	531	517	537	540	10
11	561	523	535	533	547	551	547	550	538	573	543	521	543	533	538	535	11
Noon	560	527	533	531	544	551	540	542	532	570	540	522	535	533	543	537	Noon
13h	550	528	523	526	533	545	532	536	520	566	525	520	535	527	545	532	13h
14	545	530	522	525	527	537	529	533	513	562	517	515	531	525	544	525	14
15	543	539	520	521	525	531	530	535	520	553	505	513	540	523	538	525	15
16	547	520	510	520	530	531	532	534	529	557	500	515	523	522	537	520	16
17	565	515	515	524	535	535	537	535	535	560	515	513	525	526	535	525	17
18	540	513	523	529	537	537	540	538	537	555	522	512	532	530	533	517	18
19	555	517	526	530	538	539	541	538	538	551	521	510	535	527	533	520	19
20	557	520	527	530	538	539	541	539	538	549	521	517	535	526	532	527	20
21	555	526	523	527	537	538	541	537	537	525	530	521	535	527	533	530	21
22	567	523	522	527	536	537	541	537	537	510	515	522	532	528	531	530	22
23	530	523	523	528	535	537	539	537	535	515	527	523	530	529	532	531	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	530	537	513	521	513	516	513	520	526	533	517	528	529	523	519	527·1	Midnight
1h	535	538	543	521	513	517	520	519	525	532	523	529	531	526	521	529·7	1h
2	531	539	531	522	515	516	521	520	524	535	525	526	531	527	521	529·0	2
3	529	539	530	537	515	527	522	520	525	535	526	527	532	528	525	531·7	3
4	533	539	532	532	518	526	511	522	526	533	528	527	533	530	528	532·9	4
5	533	540	538	533	519	523	523	527	528	532	529	526	534	535	528	534·2	5
6	536	541	540	536	519	521	524	528	533	533	532	529	536	535	526	535·7	6
7	541	542	533	533	523	510	523	530	536	537	535	531	537	537	528	536·4	7
8	548	541	535	538	520	527	527	531	542	542	539	532	535	538	531	539·1	8
9	553	542	537	550	519	524	529	531	548	546	541	533	532	534	530	539·3	9
10	555	542	537	535	519	517	528	532	550	548	540	542	537	535	533	538·5	10
11	553	542	535	510	515	520	525	543	549	550	539	551	540	533	536	539·4	11
Noon	557	541	526	495	524	521	521	541	547	549	540	550	537	535	531	537·3	Noon
13h	549	541	530	485	523	519	517	537	543	540	532	542	530	527	529	531·8	13h
14	540	542	533	495	526	516	521	533	540	541	523	531	522	520	525	528·6	14
15	537	545	535	500	530	512	521	530	535	533	521	530	513	517	524	527·2	15
16	537	540	529	500	527	510	521	526	530	518	522	529	515	506	522	524·5	16
17	537	539	526	495	528	511	521	527	531	512	522	533	521	510	523	526·8	17
18	535	539	525	497	526	511	521	528	537	511	522	533	526	512	527	527·3	18
19	538	535	526	500	522	517	522	527	533	513	525	530	524	512	525	528·0	19
20	537	531	525	503	521	517	520	526	536	515	528	529	523	509	523	528·4	20
21	536	530	520	507	518	519	519	527	538	519	527	529	525	517	523	528·3	21
22	535	529	519	508	516	520	520	528	537	520	528	529	525	521	520	527·4	22
23	536	526	518	509	523	518	521	527	535	519	528	529	524	518	521	526·6	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)

MAY 1935

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	690	695	697	698	697	698	698	696	697	696	697	698	697	695	695	694	Midnight
1h	689	693	697	697	696	697	697	695	697	696	695	698	698	695	695	694	1h
2	688	694	697	697	696	696	697	695	697	696	697	698	696	695	695	694	2
3	689	695	696	696	696	696	696	695	696	696	698	697	697	695	696	694	3
4	690	693	696	696	696	696	695	695	695	695	697	697	697	696	696	695	4
5	691	696	696	697	696	696	694	695	695	695	698	697	697	696	697	695	5
6	692	695	696	697	696	696	694	695	695	695	698	695	697	696	698	695	6
7	690	693	696	697	698	695	694	694	694	695	696	695	697	697	698	694	7
8	693	697	700	699	701	697	697	698	697	697	698	697	699	698	700	697	8
9	693	704	703	702	702	700	699	700	701	697	700	702	700	700	700	698	9
10	689	708	700	700	697	700	700	701	700	696	701	702	699	699	695	690	10
11	681	702	694	694	694	696	694	698	693	690	700	697	693	694	688	683	11
Noon	674	697	690	688	694	691	686	696	685	686	694	693	686	690	686	679	Noon
13h	677	696	688	687	692	688	680	694	683	687	690	687	688	687	686	684	13h
14	677	694	687	685	688	687	680	694	684	687	690	686	690	685	687	687	14
15	678	692	685	685	690	685	682	694	684	686	691	685	693	684	689	689	15
16	683	694	688	689	695	688	684	695	687	687	693	687	693	688	693	694	16
17	687	697	696	694	697	694	690	698	693	690	696	693	695	693	697	696	17
18	689	698	698	697	697	697	692	699	695	693	698	698	697	697	699	698	18
19	697	699	698	698	698	697	694	699	696	694	698	698	697	697	699	701	19
20	695	700	699	699	698	698	696	698	696	694	698	698	697	697	698	700	20
21	698	700	699	700	698	698	696	698	696	694	698	698	697	697	697	698	21
22	697	698	699	700	698	699	696	698	696	699	699	698	696	697	697	698	22
23	694	698	698	700	698	699	697	698	696	697	698	698	696	697	696	697	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	696	693	694	694	697	694	694	693	690	685	687	685	682	682	684	693·2	Midnight
1h	695	693	692	693	696	694	693	693	690	686	687	685	682	682	683	692·7	1h
2	696	693	693	693	694	694	693	693	689	686	687	685	682	682	683	692·6	2
3	696	693	693	690	694	691	692	692	689	686	687	685	683	682	683	692·4	3
4	696	693	694	692	694	692	692	692	689	686	686	685	683	682	683	692·4	4
5	697	694	693	692	694	693	692	692	688	687	686	686	683	682	683	692·7	5
6	698	695	693	693	695	693	691	692	687	687	686	686	684	683	683	692·8	6
7	696	694	693	690	695	693	690	688	687	685	687	685	684	684	683	692·2	7
8	699	698	697	693	697	695	693	690	689	686	689	686	685	685	684	694·5	8
9	702	701	698	695	698	697	695	693	689	686	688	688	684	686	686	696·4	9
10	700	698	697	696	697	697	696	691	683	685	683	688	680	681	684	694·6	10
11	690	693	688	683	693	692	690	688	678	681	679	681	675	677	682	689·4	11
Noon	687	691	683	691	687	687	686	686	680	680	677	677	673	671	681	685·5	Noon
13h	685	684	682	691	686	683	688	684	677	680	678	673	670	668	679	683·9	13h
14	686	683	677	687	683	683	686	683	673	677	678	671	664	668	673	682·6	14
15	686	683	683	684	682	683	685	683	674	674	680	671	662	674	673	682·9	15
16	688	687	692	688	686	689	688	685	677	680	686	674	665	680	677	686·5	16
17	693	691	694	695	691	693	692	686	683	688	687	680	674	685	674	690·7	17
18	696	693	696	699	693	694	693	688	686	690	687	683	681	685	675	692·9	18
19	697	695	697	700	694	694	693	688	686	690	687	685	683	687	676	693·9	19
20	697	696	698	699	696	695	693	688	687	690	687	686	683	688	676	694·2	20
21	697	696	698	699	696	695	693	688	687	689	686	685	683	687	686	694·4	21
22	697	696	698	698	697	695	694	691	687	688	686	684	682	685	686	694·5	22
23	696	695	698	698	696	695	693	691	687	688	685	684	682	685	685	694·0	23

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of MAY 1935.

Month and day 1935.	Observations at 10 a.m.									Temperature of the Air.									
	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 of Rain measured at 10 a.m.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.
MAY	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	hrs.	%
1	967·8	23·5	2·0	20·0	81	23·2	90	2·7	8	19·3	22·0	24·0	20·6	26·2	19·3	6·9	10·0	3·2	28
2	968·9	22·4	1·1	20·3	88	23·6	90	7·6	6	20·1	21·3	23·0	20·1	24·6	20·0	4·6	1·1	9·0	80
3	967·1	22·9	4·4	15·2	62	17·1	90	9·8	0	19·0	21·0	23·4	19·0	24·1	18·3	5·8	0·0	8·3	73
4	967·2	21·5	2·9	16·2	72	18·2	80	8·1	10	18·6	19·6	21·9	19·9	22·6	18·6	4·0	9·0	0·0	0
5	969·3	23·4	3·3	17·7	71	20·1	70	7·2	1	18·7	22·4	25·0	21·3	25·7	18·7	7·0	0·0	9·4	83
6	969·9	24·5	2·7	19·9	76	23·0	65	5·4	3	19·9	21·6	21·9	20·3	25·4	19·6	4·8	0·0	4·1	36
7	969·8	23·1	1·6	20·3	84	23·6	65	3·6	9	20·6	24·2	23·2	20·4	24·5	20·1	4·4	13·2	3·7	33
8	969·7	22·9	1·9	19·6	82	22·6	Calm		10	19·1	21·4	22·2	20·0	25·0	18·1	6·9	2·7	0·6	5
9	969·2	20·2	1·7	18·1	88	20·6	130	8·9	1	19·1	19·8	19·9	17·8	21·1	17·8	3·3	3·1	10·1	90
10	969·8	20·9	4·0	13·7	61	15·5	115	8·5	0	16·8	21·0	21·2	17·6	21·9	17·1	4·8	0·0	10·8	96
11	969·1	22·0	0·6	20·9	93	24·5	110	4·9	1	16·7	21·9	21·1	16·8	22·9	15·0	7·9	0·0	9·1	81
12	968·2	21·4	4·5	13·4	60	15·2	110	4·5	9	16·0	19·3	21·0	16·0	22·0	14·0	8·0	0·2	9·5	85
13	967·5	21·2	5·2	12·0	56	13·9	100	4·0	0	16·6	20·0	22·2	16·5	23·2	16·5	6·7	0·5	10·5	94
14	966·9	19·4	1·5	16·7	84	18·8	130	1·3	10	15·1	17·4	20·9	15·1	21·4	14·1	7·3	0·9	6·2	55
15	966·9	20·3	3·2	14·6	70	16·5	130	1·3	3	14·2	18·2	21·5	16·3	23·6	11·8	11·8	0·0	8·3	74
16	966·5	21·1	2·1	17·4	79	19·7	80	3·1	5	15·6	19·9	22·2	18·0	23·0	15·0	8·0	0·4	8·7	78
17	966·0	22·1	2·7	17·4	75	19·7	65	2·2	5	17·4	22·1	26·0	18·6	27·0	17·4	9·6	0·0	10·3	93
18	967·1	24·9	3·6	17·6	64	19·9	Calm		7	17·5	23·6	25·0	19·4	26·0	16·5	9·5	0·0	4·5	41
19	970·6	23·0	2·2	19·2	79	22·0	90	4·0	3	18·6	23·0	25·0	20·9	25·1	18·0	7·1	0·0	9·3	84
20	970·1	22·3	2·0	18·8	79	21·2	70	4·9	9	20·0	21·2	22·2	20·1	24·6	19·4	5·2	0·2	6·1	55
21	969·1	20·5	0·6	19·4	93	22·3	80	4·0	10	19·6	20·0	22·9	20·0	23·3	19·3	4·0	1·6	5·5	50
22	970·1	21·1	3·1	15·6	71	17·6	90	8·1	1	18·6	18·0	20·8	18·4	22·0	17·8	4·2	1·0	8·6	77
23	971·0	20·5	2·2	16·6	78	18·7	90	5·8	9	17·4	17·5	21·1	18·7	22·3	17·2	4·1	2·7	6·5	59
24	971·4	20·9	2·4	16·6	76	18·7	90	4·5	6	17·0	17·2	23·1	18·0	23·5	16·4	7·1	1·7	8·3	75
25	971·1	22·1	2·1	18·4	80	21·0	75	5·8	4	18·0	18·1	23·9	19·2	24·0	17·4	6·6	1·3	10·1	92
26	971·0	22·0	2·1	18·3	79	20·8	75	5·4	6	18·1	18·4	21·3	19·0	22·9	17·6	4·3	0·9	4·8	44
27	970·5	22·9	2·9	17·8	73	20·2	70	2·7	8	18·4	17·2	21·4	19·9	23·6	17·0	6·6	0·2	6·3	57
28	970·1	22·9	2·4	18·7	77	21·4	70	0·9	2	19·0	22·6	23·6	19·0	25·0	18·4	6·6	0·0	10·4	95
29	969·9	22·4	2·9	17·3	73	19·6	80	0·9	0	16·5	22·5	23·8	19·0	25·5	16·4	9·1	0·0	10·7	97
30	969·3	22·7	2·8	17·8	78	20·2	65	1·3	3	18·1	22·7	23·0	18·9	25·0	18·0	7·0	0·0	7·9	72
31	970·7	20·5	1·6	17·6	83	19·9	110	4·0	8	18·3	18·4	22·9	18·3	22·6	18·0	4·6	14·1	7·1	65
Mean	969·0	22·0	2·5	17·5	76·5	20·0	° ...	4·4	4·7	18·0	20·4	22·6	18·8	23·8	17·4	6·4	64·6	7·35	64·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Atmospheric Pressure	+	42·0mbs.	Amount of rain	—	28·7mms.
Temperature of the Air	+	2·6°C	Duration of sunshine	—	6·8hrs
Vapour Pressure	+	0·6mbs.	Mean of maximum temperatures	+	2·3°C
Relative Humidity	—	9·2%	,, minimum temperatures	+	1·7°C
Velocity of Wind	—	0·3mps.	Absolute maximum temperature	+	0·6°C
Amount of Cloud	+	0·5	,, minimum temperature	+	3·0°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MAY 1935.

Month and Day 1935.	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.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mm.	min	mm	
1	1008·5	− 0·2	27·6	21·6	6·0	24·0	+ 0·6	1·7	21·1	+ 1·5	84	+ 5	24·8	20·1	0·0	...	3·3	6·0
2	1009·8	+ 1·1	27·4	22·4	5·0	24·2	+ 0·9	2·1	20·6	+ 1·1	80	+ 1	24·5	20·6	0·0	...	3·9	3·2
3	1008·9	+ 0·1	26·8	21·4	5·4	25·3	+ 0·3	3·2	18·1	− 1·3	72	− 7	20·6	19·0	4·3	60	5·0	4·9
4	1008·6	− 0·3	25·3	21·4	3·9	23·1	0·0	3·3	17·4	− 2·1	70	− 9	19·7	19·2	0·5	10	4·9	9·7
5	1010·2	+ 1·3	27·6	20·6	7·0	23·7	+ 0·7	2·6	19·2	0·0	76	− 3	22·0	19·1	0·0	..	3·6	4·2
6	1011·0	+ 2·0	27·2	21·9	5·3	24·2	+ 1·3	2·1	20·6	+ 1·7	80	+ 1	24·0	20·9	0·2	4	4·2	6·8
7	1010·6	+ 1·5	27·0	21·1	5·9	23·7	+ 0·9	1·6	20·9	+ 2·1	84	+ 5	24·5	19·8	28·4	90	3·3	6·5
8	1010·0	+ 0·8	26·0	20·0	6·0	22·9	+ 0·2	1·3	20·6	+ 1·9	87	+ 8	24·0	18·8	0·0	...	3·4	7·5
9	1010·7	+ 1·4	24·8	20·4	4·4	22·1	− 0·5	2·7	17·4	− 1·2	75	− 4	19·7	19·0	0·0	...	2·2	5·9
10	1011·2	+ 1·9	25·0	19·1	5·9	21·8	− 0·7	3·9	14·9	− 3·6	65	− 14	16·8	15·8	0·0	...	5·5	1·7
11	1009·7	+ 0·3	25·2	16·2	9·0	22·9	− 1·5	2·9	15·7	− 2·7	72	− 7	17·7	13·4	0·0	...	5·0	4·2
12	1009·0	− 0·5	24·9	16·9	8·0	20·6	− 1·8	3·5	14·3	− 4·1	63	− 10	16·2	13·8	0·0	...	3·8	2·8
13	1008·4	− 1·2	25·8	16·4	9·4	20·4	− 1·9	3·2	14·7	− 3·6	70	− 8	16·6	13·0	0·0	...	4·1	3·3
14	1008·1	− 1·6	24·0	15·0	9·0	18·8	− 3·5	1·7	15·7	− 2·6	82	+ 4	17·7	11·2	0·4	8	3·5	4·2
15	1007·4	− 2·3	24·8	14·8	10·0	19·2	− 3·0	2·2	15·2	− 3·0	78	0	17·1	11·2	0·1	2	2·9	4·2
16	1007·3	− 2·5	25·6	15·5	10·1	20·5	− 1·7	2·3	16·4	− 1·8	77	− 1	18·5	13·0	0·0	...	2·5	3·0
17	1005·9	− 4·1	26·3	19·2	7·1	22·0	− 0·1	2·5	17·6	− 0·5	76	− 2	19·9	17·8	0·0	...	4·2	2·2
18	1007·9	− 2·1	27·2	18·2	9·0	22·4	+ 0·4	1·8	19·2	+ 1·2	82	+ 4	22·0	15·2	0·1	2	3·5	3·0
19	1011·4	+ 1·3	27·2	18·3	8·9	22·7	+ 0·7	2·3	18·8	+ 0·8	79	+ 1	21·5	14·5	0·0	...	3·4	3·1
20	1010·7	+ 0·5	26·6	21·0	5·6	23·3	+ 1·4	2·4	19·2	+ 1·1	77	− 1	21·9	17·8	0·0	...	4·1	3·8
21	1010·3	0·0	26·3	21·5	4·8	23·1	+ 1·2	2·1	19·5	+ 1·5	80	+ 2	22·4	18·7	0·0	...	3·6	7·0
22	1011·8	+ 1·5	25·5	20·2	5·3	22·1	+ 0·3	2·8	17·2	− 0·7	74	− 4	19·4	18·8	0·0	...	4·7	4·7
23	1012·8	+ 2·4	25·8	19·6	6·2	22·2	+ 0·4	3·4	16·2	− 1·7	69	− 9	18·2	17·0	0·2	2	3·1	6·9
24	1012·8	+ 2·4	26·0	18·9	7·1	21·8	+ 0·1	2·9	16·7	− 1·1	73	− 5	18·8	19·2	0·2	2	4·0	6·3
25	1012·2	+ 1·7	26·3	19·0	7·3	22·2	+ 0·5	2·8	17·3	− 0·5	74	− 4	19·6	17·2	0·7	4	4·0	4·2
26	1012·1	+ 1·5	26·3	19·5	6·8	22·0	+ 0·4	2·3	18·0	+ 0·5	78	0	20·4	16·8	0·7	4	3·6	4·1
27	1011·7	+ 1·1	26·6	19·2	7·4	22·2	+ 0·6	2·5	17·8	+ 0·3	76	− 2	20·2	19·2	0·1	2	3·1	6·3
28	1010·9	+ 0·2	26·5	19·5	7·0	22·7	+ 1·2	2·9	17·6	+ 0·2	73	− 5	19·9	17·0	0·0	...	4·1	3·1
29	1010·9	+ 0·2	26·7	17·9	8·8	21·3	− 0·2	3·3	15·5	− 1·9	69	− 9	17·4	14·8	0·0	...	3·7	2·1
30	1011·3	+ 0·5	26·5	17·5	9·0	21·4	0·0	2·7	16·6	− 0·7	74	− 4	18·7	15·0	0·0	...	3·4	3·8
31	1012·2	+ 1·4	25·6	18·4	7·2	21·4	0·0	2·9	16·3	− 1·0	74	− 4	18·4	15·0	0·0	...	2·8	4·1
Mean	1010·1	+ 0·3	26·1	19·1	7·0	22·2	0·0	3·6	17·6	− 0·7	75·7	− 2·7	20·1	16·8	Sum 35·9	Sum 190	3·8	4·6
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 1935.

The first days of the month saw the definite establishment of the Southern semi-permanent anticyclone with short-lived V-shaped depressions Northwards between Mauritius and Madagascar. From the 2nd there occurred as usual the strengthening of the trades from the Southern "high"; very little rain was obtained from this.

On the 8th, a strong wind was blowing over the ocean and even reached, it was said, gale force at some coast stations in Madagascar; the incursion of polar air felt from this date over Southern Madagascar did not reach Mauritius before the 9th, from which date an increasing temperature fall was noted. The onset of the cold air wave over Madagascar caused the greater part of the monthly precipitation at Mauritius.

From the 11th a gradual weakening of the Southern anticyclone began and was followed on the 14th and 15th by the spreading Southwards of an extensive equatorial "low" with a recurrence of the Westerly antitrade at Seychelles. The general calms which prevailed at the time were observed to extend to an altitude of 6 kilometres.

From the 22nd onwards, the presence of the Southern anticyclone was again felt but with greater intensity on the 30th and 31st.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1935.

Month and Day 1935.	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.
MAY	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.									
1	4·7	42	2·2	— 1·1	25·5	26·4	26·6	26·4	b	:	bc	o	:	c	:	b	.
2	10·0	89	4·3	+ 1·0	25·5	26·4	26·5	26·3		b_o	:	b	:	bc	: c	: b	.
3	9·0	80	4·9	+ 1·6	25·6	26·4	26·5	26·2			b		:	bc	: o	: or_o	.
4	0·0	0	4·6	+ 1·3	25·5	26·4	26·5	26·0	or_o	:			o				.
5	9·0	80	3·7	+ 0·4	25·6	26·4	26·4	25·8	c	:		bc				b	.
6	3·0	27	3·6	+ 0·3	25·6	26·4	26·3	25·8	b_o	: bc	:	c	: og	: or_o		: c	.
7	2·7	24	2·3	— 1·0	25·6	26·4	26·3	25·7		bc		: c	: og	;ogRR:		c	.
8	1·0	9	1·3	— 2·0	25·6	26·4	26·2	25·6		bc	: c	:		o			.
9	8·0	71	4·8	+ 1·5	25·6	26·3	26·1	25·6		o	: c	:		bc	:	b	.
10	10·0	89	4·6	+ 1·3	25·6	26·3	26·1	25·5	b_o	;			b				.
11	9·5	85	2·9	— 0·4	25·6	26·4	26·0	25·1	b_o	:	bc	:		c	:	bc	.
12	10·4	93	3·0	— 0·3	25·6	26·2	26·0	24·9				b				: bc	.
13	9·5	85	1·8	— 1·5	25·6	26·2	25·8	24·5		bc	:			b			.
14	5·2	46	1·5	— 1·8	25·6	26·4	25·6	24·4		b		:	cr_o	; bc :		b	.
15	4·7	42	1·5	— 1·8	25·6	26·2	25·5	24·0		b		:	bcg	: c :	b		.
16	9·8	88	3·0	— 0·3	25·6	26·0	25·2	23·7		b		:	bc	:	b		.
17	9·7	87	2·4	— 0·8	25·7	26·1	25·1	23·7					b				.
18	8·2	74	1·8	— 1·4	25·6	26·1	25·0	24·1		b		:		bc		: b	.
19	10·2	92	3·1	— 0·1	25·6	26·1	25·0	24·2		b		:		bc	:	b	.
20	8·1	73	3·6	+ 0·4	25·6	25·9	25·0	24·7		b		:		bc	:	b	.
21	6·7	60	3·9	+ 0·7	25·6	25·8	25·0	24·8	b	:			bc		: c :	o	.
22	9·3	84	4·7	+ 1·5	25·6	25·7	25·0	24·8			bc	:	bcq	; bc :		b	.
23	7·4	67	4·3	+ 1·1	25·5	25·7	25·0	24·7					bc				.
24	7·9	72	3·7	+ 0·5	25·5	25·7	25·0	24·5	bc	:	c	:		bc		: cr_o	.
25	8·3	75	3·8	+ 0·6	25·5	25·6	25·0	24·3	cr_o	:			bc		:	b	.
26	3·8	35	3·7	+ 0·5	25·5	25·6	24·9	24·3	bd_o	: b	: bcd	:		bc	:	b	.
27	7·2	65	3·3	+ 0·1	25·6	25·8	24·8	24·1			bc			:		c	.
28	9·9	90	3·4	+ 0·2	25·5	25·6	24·6	24·1	c	: bc	:				b		.
29	6·7	61	1·8	— 1·5	25·5	25·5	24·7	24·2			b	:		bc	:	b	.
30	6·1	55	1·7	— 1·6	25·5	25·3	24·7	23·9	b_o	:	b	:			c	: bc	.
31	5·0	45	2·8	— 0·5	25·5	25·4	24·6	23·9		b	: bc	: c	:		bc :	b	.
Mean	7·13	64·0	3·16	+ 0·10	25·57	26·20	25·52	24·83					.....				
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 1935.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1014·1mbs	at 08·00hrs.	on 23rd	1004·1mbs	at 16·00hrs.	on 17th
Temperature of the Air	27·6°C	at 13·30hrs.	on 1st	14·8°C	at 05·45hrs.	on 15th
Daily range of temperature of the Air ...	10·1°C	...	on 16th	3·9°C	.	on 4th
Temperature of the Dew Point	22·4°C	at 17.00hrs.	on 7th	13·5°C	at 06·00hrs.	on 10th
Daily range of temperature of the Dew Point	6·6°C	...	on 9th	0·7°C	...	on 1st
Minimum on Grass	...	...	...	11·2°C	...	on 14th&15th
Relative humidity	100%	at 21.00hrs.	on 7th	48%	at 14·00hrs	on 13th
Vapour Tension	26·8mbs.	at 17·00hrs.	on 7th	15·3mbs.	at 06.00hrs.	on 10th
Wind Velocity	7·6m.p.s.	..	often	0·6mps	...	often
Rainfall in 24 hours	28·5mms. ending 18hrs		on 7th	...	...	...
Evaporation in 24 hours...	5·5mms	...	on 10th	2·2mms	...	on 9th
Duration of sunshine	10·4hrs	...	on 12th.	0·0h	...	on 4th

Mean Day Temperature of Air, 23·97°C. Average 24·08°C. Mean Night Temperature of Air, 20·39°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
...	10	16	4	1	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.)

MAY 1935.

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	086	101	107	084	100	121	113	108	100	120	111	097	090	089	083	079	Midnight
1h	084	099	104	081	092	117	110	102	100	115	108	092	085	088	080	075	1h
2	080	092	095	075	092	110	107	100	094	112	102	090	082	083	079	071	2
3	075	090	090	073	088	107	102	097	091	110	100	086	081	081	075	070	3
4	075	090	090	072	086	103	100	090	090	108	099	087	081	080	072	070	4
5	077	091	089	073	089	105	101	092	097	107	101	090	080	078	073	072	5
6	080	093	092	080	089	107	100	095	100	112	104	090	083	082	076	075	6
7	087	100	098	082	097	110	108	100	108	117	107	093	086	087	080	080	7
8	087	106	100	090	103	117	110	104	112	122	109	097	092	090	083	081	8
9	093	110	102	097	107	116	115	110	115	124	109	100	094	090	085	083	9
10	092	112	100	099	110	118	115	115	115	123	107	101	095	088	082	082	10
11	090	103	090	100	105	115	112	115	110	118	102	098	090	081	077	077	11
Noon	082	098	085	090	100	110	105	098	102	112	095	090	084	073	070	073	Noon
13h	077	088	078	084	100	102	097	093	100	106	088	082	077	070	065	065	13h
14	071	087	077	080	092	100	096	087	097	100	083	078	072	066	059	060	14
15	072	087	076	078	091	099	093	090	098	098	080	077	070	066	060	060	15
16	073	086	077	079	095	100	095	089	101	101	078	077	070	068	072	062	16
17	079	090	077	077	100	102	102	092	106	103	080	078	076	073	063	065	17
18	082	097	083	080	103	110	110	100	110	108	085	085	079	077	070	067	18
19	087	101	085	086	109	105	110	104	114	114	090	090	081	082	071	072	19
20	092	104	092	092	113	107	111	107	120	117	096	097	088	088	075	077	20
21	098	108	091	099	121	020	112	110	122	117	097	098	090	090	079	079	21
22	101	107	089	100	122	020	110	100	122	116	098	097	090	090	077	078	22
23	102	107	087	099	123	018	110	100	123	113	096	094	091	089	079	076	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	072	068	111	121	102	113	126	129	123	123	121	118	113	116	118	1010·5	Midnight
1h	071	066	111	119	100	111	124	125	119	121	118	117	111	111	118	1010·2	1h
2	066	062	109	114	096	106	121	124	117	119	117	114	108	109	114	1009·9	2
3	061	056	106	111	093	107	121	124	118	118	115	111	106	106	111	1009·6	3
4	061	058	106	111	093	109	122	126	119	120	115	110	104	106	111	1009·6	4
5	059	059	107	111	097	104	127	131	121	118	116	108	103	110	112	1009·7	5
6	061	065	111	111	101	116	131	134	126	121	121	111	106	114	116	1010·0	6
7	067	072	118	116	101	121	136	138	128	126	124	113	111	119	121	1010·5	7
8	072	076	122	119	111	127	141	138	133	131	127	118	116	123	127	1010·9	8
9	071	081	126	121	109	126	138	138	134	136	127	120	118	125	132	1011·1	9
10	071	081	124	117	106	123	131	133	129	133	126	116	116	126	128	1011·0	10
11	064	078	119	111	101	117	126	129	128	118	118	114	111	118	126	1010·5	11
Noon	055	073	114	103	094	113	119	123	122	111	111	106	104	110	118	1009·8	Noon
13h	046	067	111	096	090	108	117	119	116	107	103	096	099	104	113	1009·2	13h
14	041	068	111	092	089	108	116	118	111	103	102	091	096	101	114	1008·9	14
15	041	071	111	091	091	111	117	120	111	102	103	088	093	101	114	1008·9	15
16	041	074	111	093	098	112	121	124	111	104	106	090	096	103	118	1009·1	16
17	044	083	104	096	101	116	125	126	113	109	109	096	101	107	119	1009·4	17
18	048	088	104	101	108	121	130	131	115	121	111	103	107	111	122	1009·9	18
19	053	097	109	104	114	126	134	132	118	134	116	111	111	116	131	1010·3	19
20	059	106	123	105	117	128	136	132	126	137	124	118	118	118	132	1010·8	20
21	063	113	126	108	115	133	136	128	127	129	128	121	122	121	132	1011·1	21
22	071	112	124	109	116	131	135	128	128	128	127	119	122	122	132	1011·0	22
23	071	112	125	104	114	128	132	125	126	127	121	118	121	118	131	1010·9	23

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

Hour. \ Day.	May 1935.																															
	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	0	0	9	10	0	5	3	8	1	0	2	6	2	3	0	3	1	2	2	1	9	7	7	7	1	2	7	0	0	1	3·3
1h	3	0	0	10	8	0	5	2	9	0	0	2	6	3	3	1	3	1	3	1	2	7	9	6	7	1	3	8	0	0	3	3·4
2	3	0	1	9	6	0	3	2	10	0	0	1	6	2	6	1	3	1	3	1	3	6	8	5	9	1	5	9	1	0	3	3·5
3	3	0	1	8	4	0	4	2	10	0	0	1	5	1	7	1	3	1	4	1	4	4	7	7	9	1	8	10	1	0	4	3·6
4	5	0	1	9	4	2	4	2	10	0	1	1	7	2	4	1	3	1	1	1	3	5	5	10	7	1	6	7	0	0	2	3·4
5	8	1	1	10	4	4	3	2	10	1	1	2	8	2	3	1	3	1	1	2	5	5	6	6	4	2	4	3	0	1	3	3·5
6	10	2	2	10	3	6	2	4	10	2	2	2	9	3	2	2	3	1	1	3	8	5	8	4	1	2	2	1	1	1	4	3·7
7	10	4	3	10	4	6	3	7	10	2	7	2	9	4	2	2	4	1	1	2	8	6	8	8	2	4	3	1	1	1	4	4·5
8	10	3	1	10	8	10	5	9	8	2	2	3	4	4	3	1	4	2	2	5	8	5	7	8	1	8	4	1	2	1	4	4·7
9	9	4	1	10	7	8	7	9	8	2	2	3	1	3	3	2	3	2	3	6	8	5	6	8	2	7	5	1	2	1	8	4·7
10	9	4	1	10	6	6	7	10	7	2	2	2	1	8	2	4	3	5	5	7	7	5	7	5	6	8	5	1	4	3	9	5·2
11	8	6	3	10	6	9	9	9	7	3	3	3	2	8	6	6	2	6	6	7	7	6	7	6	6	8	7	2	4	5	8	6·0
Noon	9	7	3	10	5	9	8	9	7	5	7	4	4	8	8	6	2	6	6	7	7	6	7	5	6	7	7	3	4	6	8	6·3
13h	9	4	5	10	5	10	9	10	6	4	9	4	4	9	8	6	2	4	6	8	7	6	8	5	6	7	8	3	6	7	7	6·5
14	9	7	7	10	5	10	9	10	3	3	8	2	2	8	8	7	2	4	6	8	8	6	7	5	6	8	8	4	6	8	5	6·4
15	9	8	7	10	6	9	9	10	3	3	8	2	1	8	8	4	2	4	6	7	7	6	7	5	6	8	8	4	6	8	6	6·3
16	9	8	8	10	6	10	10	10	3	3	8	2	1	7	8	4	2	4	6	7	7	6	7	5	5	8	8	4	6	8	5	6·3
17	8	9	9	10	5	10	10	10	4	2	4	2	1	6	7	3	1	5	5	5	8	2	7	5	3	5	8	2	2	9	4	5·5
18	7	4	10	8	2	10	10	10	5	2	8	2	1	3	6	3	1	7	3	3	8	2	9	8	2	3	9	2	2	9	2	5·2
19	3	2	10	9	1	10	9	10	3	2	7	2	1	2	3	3	1	5	1	3	8	2	7	6	2	2	9	2	1	9	2	4·4
20	2	2	10	10	1	9	9	10	2	1	4	3	1	1	1	3	1	3	1	2	9	1	5	4	2	2	8	1	1	6	2	3·7
21	1	1	10	10	0	9	8	9	1	1	4	4	1	1	1	4	1	3	1	2	10	1	3	5	3	1	8	1	1	4	2	3·6
22	0	0	9	10	0	9	6	9	1	0	7	8	0	2	1	3	1	3	1	2	10	3	5	9	2	1	8	1	0	2	1	3·7
23	0	0	10	10	0	6	5	9	1	0	5	7	0	3	0	3	1	2	1	1	10	5	8	8	1	1	7	1	0	2	1	3·5

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

Hour Ending. \ Day.	May 1935.																															
	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	0·0
7	0	15	16	0	0	0	20	4	0	15	6	23	15	3	15	20	0	18	20	0	0	0	0	0	2	0	10	2	10	15	15	4·1
8	0	60	59	0	12	3	60	10	4	60	54	60	20	50	52	60	39	60	60	27	23	25	22	19	50	5	60	60	60	60	60	19·9
9	10	60	60	0	60	51	35	4	54	60	60	60	60	55	60	60	60	60	60	58	10	60	35	45	60	25	55	60	60	60	5	24·4
10	30	60	60	0	60	54	17	1	50	60	60	60	60	10	60	60	60	60	60	54	60	60	32	60	50	44	55	60	60	60	0	24·6
11	54	60	60	0	57	30	11	4	55	45	60	60	60	4	30	35	60	57	60	40	60	60	45	52	24	30	48	60	60	60	55	23·3
Noon	47	55	60	0	60	0	14	34	58	60	60	60	60	25	0	53	60	60	60	55	60	60	60	15	34	60	50	60	60	50	30	23·5
13h	57	58	60	0	60	0	5	5	57	60	45	60	60	40	20	56	60	60	60	50	56	60	60	56	60	28	50	60	60	20	12	23·3
14	55	60	60	0	58	0	0	0	60	60	55	60	60	0	40	60	60	52	60	25	22	56	57	56	56	30	49	60	10	5	25	20·7
15	16	59	60	3	60	26	0	0	60	60	52	60	60	15	3	59	60	45	55	60	33	56	53	58	50	15	50	60	20	33	60	21·7
16	3	45	43	0	55	3	0	0	60	60	52	60	60	60	0	60	60	20	58	60	60	60	58	60	50	0	2	60	0	4	50	19·4
17	12	48	0	0	53	11	0	0	15	60	58	57	55	50	0	60	60	0	50	60	20	56	24	55	60	0	2	55	4	0	0	15·4
18	0	20	0	0	5	0	0	0	5	0	5	2	3	0	0	5	3	0	8	0	0	6	0	0	0	0	0	0	0	0	0	1·0
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	2	0	0	0	0	0·0

The total Amount of Registered Sunshine was 221.1 hrs. and the total possible sunshine was 345·4 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 1935.

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	22·8	0·9	22·5	0·8	22·7	2·2	22·3	2·3	22·3	2·4	22·0	1·3	23·1	1·7	21·2	0·4	Midnight
1h	22·7	0·9	22·4	0·9	22·6	2·6	21·8	1·8	22·2	2·3	22·0	1·3	22·8	1·5	20·9	0·4	1h
2	22·5	0·8	22·5	1·0	22·1	2·2	21·8	2·6	21·3	1·6	22·0	1·3	22·4	1·4	20·5	0·5	2
3	22·3	0·8	22·6	0·8	22·2	2·4	22·1	2·9	21·0	1·5	22·1	1·2	22·4	1·3	20·8	0·7	3
4	22·3	1·2	22·8	0·8	22·1	2·6	21·9	2·9	21·0	1·7	22·2	1·2	22·2	1·1	20·5	0·4	4
5	22·0	1·0	22·8	0·8	21·9	2·7	21·8	3·0	20·8	1·7	22·4	1·2	22·3	1·2	20·7	0·6	5
6	21·8	0·9	22·7	0·8	21·5	2·5	22·0	3·0	21·0	1·3	22·6	1·0	22·2	1·1	20·4	0·4	6
7	22·2	1·2	23·1	1·0	21·6	2·6	22·3	3·4	21·0	1·1	23·0	1·3	22·3	1·2	20·6	0·6	7
8	23·3	1·3	24·7	1·7	23·5	3·5	23·0	3·5	23·2	2·2	24·2	1·5	25·0	2·1	22·6	0·6	8
9	24·7	1·8	26·0	3·0	24·8	4·8	23·6	3·8	25·6	3·6	26·0	3·0	25·6	2·5	24·4	1·4	9
10	25·5	2·6	26·0	2·3	25·8	5·5	24·4	4·5	26·5	4·4	26·3	3·3	26·6	3·2	24·7	1·7	10
11	26·5	3·5	26·3	2·7	26·0	5·4	24·0	4·0	26·3	4·1	26·2	3·2	26·9	3·8	25·0	2·3	11
Noon	26·9	3·6	26·3	3·3	26·3	5·2	24·6	4·6	27·2	4·6	26·1	3·1	26·9	3·8	25·9	2·8	Noon
13h	27·0	3·8	27·0	4·0	26·1	4·4	25·0	5·0	27·2	4·7	26·3	3·3	26·6	3·3	25·7	3·3	13h
14	27·0	3·9	27·0	3·6	26·0	5·0	25·0	4·9	26·8	3·8	26·3	3·3	26·4	3·3	25·3	2·6	14
15	26·7	2·9	26·1	3·4	25·8	5·1	24·8	4·3	26·2	3·7	26·4	3·3	24·7	2·2	25·1	2·4	15
16	26·0	2·9	25·7	3·0	25·1	3·8	24·5	3·5	26·0	3·9	26·1	3·1	23·9	1·0	25·0	2·2	16
17	25·0	2·0	24·7	2·6	24·5	3·0	23·5	3·0	25·0	2·5	25·5	2·5	23·8	0·8	24·3	1·3	17
18	24·4	1·6	23·9	2·1	22·8	1·8	23·3	2·9	24·0	2·2	24·8	2·3	23·3	0·8	23·2	1·2	18
19	23·4	1·3	23·5	2·0	21·7	0·8	22·5	3·8	23·1	1·8	23·8	1·4	22·3	0·3	22·9	0·9	19
20	22·8	0·9	23·1	2·1	22·2	1·2	22·6	2·1	22·8	1·7	23·8	1·9	22·6	0·4	22·4	0·9	20
21	23·0	0·9	23·0	2·5	22·4	1·4	22·4	2·4	23·1	2·1	23·7	2·2	21·8	0·0	22·3	1·0	21
22	22·9	0·9	22·9	2·5	22·5	1·7	22·7	2·7	22·5	1·7	23·4	1·9	21·6	0·6	22·2	1·1	22
23	23·0	1·0	22·8	2·3	21·8	1·5	22·5	2·5	22·3	1·6	23·3	1·8	21·5	0·5	22·4	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	22·0	1·0	20·8	3·2	19·0	1·8	19·8	2·4	16·8	1·4	16·4	1·1	15·7	0·8	16·1	1·1	Midnight
1h	21·4	0·4	20·6	3·6	19·8	2·0	19·9	2·6	16·4	1·3	16·0	1·0	15·5	0·8	16·0	1·0	1h
2	21·0	1·0	20·7	3·8	19·4	2·3	19·4	2·3	17·5	1·2	15·9	1·1	16·2	0·8	16·3	1·1	2
3	21·6	1·6	20·4	3·5	19·0	2·6	19·4	2·8	18·5	1·7	16·6	1·0	15·2	0·7	15·9	1·1	3
4	21·9	1·9	20·0	3·2	19·0	3·0	18·6	2·6	18·5	1·7	16·1	1·0	15·4	0·7	15·8	1·0	4
5	22·1	1·9	20·4	3·4	17·5	2·0	18·2	2·4	18·0	1·1	15·3	0·9	15·0	0·7	16·0	1·1	5
6	21·9	1·3	20·3	3·8	16·7	1·6	17·7	2·1	17·8	1·1	15·8	0·8	15·0	0·8	15·8	0·8	6
7	21·6	1·6	20·8	3·9	18·0	1·3	18·1	2·2	18·1	1·3	15·4	0·8	15·0	0·9	16·6	0·7	7
8	22·0	2·7	21·9	4·6	20·7	2·7	21·1	3·2	20·9	3·2	18·9	1·1	17·8	0·8	21·1	1·7	8
9	23·0	3·1	23·1	5·2	22·9	4·5	22·8	4·8	23·1	3·7	21·9	2·7	21·7	3·6	23·1	2·6	9
10	23·6	3·4	24·0	5·0	24·0	5·8	23·7	5·7	23·9	5·4	21·8	1·9	23·0	4·5	23·7	2·9	10
11	24·1	3·3	23·4	4·4	24·5	6·3	24·2	6·1	24·7	6·0	21·0	1·7	23·3	4·8	24·1	3·7	11
Noon	24·3	3·7	24·7	5·3	24·5	5·5	24·7	5·9	25·0	6·0	22·0	2·6	23·7	3·7	25·0	4·5	Noon
13h	24·0	3·5	24·8	5·5	23·8	4·2	24·5	6·5	24·9	6·7	21·8	2·8	24·7	4·3	25·0	4·5	13h
14	23·9	3·8	24·8	5·1	23·1	3·5	24·5	6·7	25·4	6·9	22·6	3·1	24·2	4·2	25·0	4·5	14
15	23·3	3·1	24·4	4·9	23·9	4·5	24·0	6·2	25·2	6·5	23·4	4·1	23·3	3·5	24·8	4·3	15
16	22·9	3·6	23·7	4·4	22·9	3·6	23·3	5·5	24·2	6·2	23·4	4·2	23·2	3·2	24·0	4·0	16
17	21·6	3·3	22·7	4·1	22·4	3·4	22·3	4·4	22·6	4·6	21·0	2·5	22·5	2·5	23·0	3·5	17
18	21·1	2·9	21·5	3·3	21·0	2·2	21·0	3·1	21·0	3·3	19·9	1·4	22·2	3·6	21·5	2·5	18
19	20·9	3·4	20·1	2·3	20·0	1·6	19·2	2·3	18·8	3·0	19·0	1·5	18·8	1·8	21·0	2·0	19
20	20·9	3·2	20·0	2·3	20·1	1·5	17·8	1·6	17·8	1·8	17·8	0·9	17·8	1·5	20·5	1·8	20
21	20·8	3·8	20·4	2·6	20·0	1·8	17·1	1·3	17·7	1·7	17·3	1·1	17·0	1·0	20·1	1·7	21
22	20·4	2·7	20·0	2·6	20·0	1·6	17·1	1·2	17·5	1·5	16·8	1·3	16·8	1·6	20·1	1·8	22
23	21·0	3·9	19·4	2·1	19·8	1·9	17·7	1·5	16·6	1·6	16·2	0·8	16·9	1·6	20·0	1·9	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 1935.

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	19·7	1·7	19·0	0·9	20·3	1·5	21·5	1·4	22·3	1·3	22·0	2·0	20·5	1·5	19·5	1·5	Midnight
1h	19·8	1·8	18·9	0·9	19·2	1·2	21·4	1·3	21·9	1·1	21·4	1·9	20·5	2·0	20·0	1·7	1h
2	19·5	1·6	18·6	0·7	19·0	1·5	21·1	0·9	21·9	1·0	20·7	1·7	20·5	1·6	20·1	1·5	2
3	19·2	1·4	18·5	0·6	18·7	1·4	21·3	1·0	22·0	1·3	21·0	2·0	20·4	1·4	20·7	2·8	3
4	19·5	1·6	18·5	0·7	18·3	1·1	22·0	1·4	21·5	0·9	21·2	1·9	20·4	1·9	20·0	2·0	4
5	19·8	1·8	18·4	0·7	19·3	1·3	21·6	1·0	21·6	0·8	20·9	1·7	20·1	2·0	20·0	2·0	5
6	19·6	1·6	18·3	0·6	19·7	0·9	21·7	1·2	21·9	0·9	20·9	1·2	20·9	2·1	19·4	1·9	6
7	19·5	1·4	18·3	0·5	20·4	1·1	22·0	1·5	21·9	1·1	20·3	0·8	21·1	2·4	20·0	1·9	7
8	21·8	2·0	21·8	1·0	23·3	1·8	23·4	2·1	22·7	1·7	22·0	2·1	22·1	3·3	20·8	2·7	8
9	24·0	3·4	24·0	1·5	25·0	2·9	24·5	3·1	23·0	1·5	22·4	3·1	22·6	3·5	22·5	3·0	9
10	24·9	3·9	25·4	2·5	25·3	3·2	24·4	2·9	24·8	2·8	24·3	4·5	24·1	5·0	24·7	5·5	10
11	26·0	5·0	25·8	3·0	26·3	4·2	25·2	3·2	25·6	3·6	24·3	4·2	24·7	5·4	24·2	4·8	11
Noon	25·8	4·6	27·0	3·5	26·5	4·4	25·9	4·0	26·0	4·0	24·9	4·7	24·6	5·1	24·3	4·9	Noon
13h	26·0	4·8	27·1	3·6	26·4	4·3	25·5	3·5	25·0	3·0	24·3	4·2	24·6	5·1	24·7	5·5	13h
14	26·1	5·0	26·9	3·7	26·8	4·6	25·0	3·5	25·0	3·0	24·1	4·0	24·2	4·4	24·4	5·4	14
15	26·0	4·6	26·5	3·5	26·0	4·5	25·5	4·0	25·0	3·3	23·9	4·1	24·0	4·8	24·4	5·3	15
16	25·4	3·9	26·0	3·1	25·4	3·4	25·0	3·6	24·5	2·9	23·6	4·4	23·7	4·2	24·0	4·0	16
17	24·3	3·3	25·0	2·1	24·6	3·4	24·1	3·1	23·0	2·0	22·7	3·6	22·7	3·7	22·9	3·4	17
18	22·3	1·7	24·1	1·4	23·0	1·9	23·4	2·4	22·8	2·0	21·9	3·6	22·6	4·6	21·7	2·5	18
19	20·9	1·4	23·5	1·5	22·7	1·7	23·0	2·1	22·9	2·3	21·3	3·2	22·4	4·1	21·0	1·7	19
20	20·1	1·1	22·7	1·7	22·5	1·5	23·0	2·5	22·8	2·3	20·5	2·5	22·4	4·3	21·0	1·9	20
21	19·8	1·0	21·7	1·7	22·5	1·7	23·0	2·5	22·8	2·5	20·4	2·4	22·0	4·0	20·9	1·9	21
22	19·4	1·0	21·1	1·6	22·0	1·6	22·7	2·4	22·0	1·9	20·9	1·9	21·7	3·7	20·7	1·2	22
23	19·0	1·0	20·5	1·5	21·5	1·5	22·3	1·7	22·2	2·2	20·6	1·6	21·5	2·9	20·8	1·7	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	20·9	1·4	19·5	1·0	20·1	1·6	20·4	2·0	19·6	1·2	18·3	1·3	19·6	1·6	20·3	1·5	Midnight
1h	20·7	1·6	19·5	1·0	20·0	1·4	20·4	1·8	19·0	1·0	18·5	1·3	20·0	1·7	20·1	1·4	1
2	20·1	1·1	19·7	0·9	19·9	1·7	21·0	2·0	19·2	1·2	18·0	1·5	20·5	1·6	20·0	1·4	2
3	20·4	1·4	21·0	1·6	19·7	1·6	21·5	2·1	18·7	1·2	17·8	1·4	19·3	1·4	20·1	1·6	3
4	20·6	2·1	20·0	1·0	20·2	1·3	21·5	2·2	19·0	1·2	17·7	1·2	19·0	1·7	20·0	1·6	4
5	19·8	1·7	20·6	1·4	19·9	1·3	20·6	1·6	18·1	1·2	18·4	1·4	19·3	1·3	19·9	1·5	5
6	19·7	1·7	20·9	1·9	19·3	1·2	20·6	1·7	18·4	1·3	17·9	1·1	19·3	1·3	19·8	1·4	6
7	20·0	2·0	21·0	1·9	20·0	1·6	21·0	2·0	18·7	1·2	17·6	1·4	20·0	1·7	20·0	1·5	7
8	21·7	2·6	22·1	2·1	22·4	2·3	22·8	2·4	21·5	1·3	21·0	1·2	22·0	2·9	22·1	2·2	8
9	24·2	3·9	22·8	1·8	23·5	2·5	25·0	4·0	24·0	3·0	23·8	3·5	22·0	3·5	23·7	3·5	9
10	24·6	4·1	24·7	3·7	24·2	3·6	25·5	4·0	24·5	3·9	24·7	4·1	23·3	3·6	24·6	3·8	10
11	24·4	4·0	24·5	4·3	25·0	4·0	25·8	4·6	25·0	4·0	25·8	5·3	24·4	4·4	24·9	4·1	11
Noon	25·7	5·2	26·0	5·0	26·2	4·4	26·3	5·3	25·6	4·0	26·3	5·6	23·1	4·7	25·5	4·5	Noon
13h	25·5	5·0	24·0	3·2	25·2	4·2	26·5	5·3	26·0	5·0	25·1	4·3	25·0	5·7	25·3	4·4	13h
14	25·8	5·0	24·1	3·3	25·0	3·8	26·3	5·3	25·0	3·8	25·0	4·8	25·0	5·5	25·2	4·3	14
15	25·2	4·2	23·7	2·7	25·0	3·8	25·8	4·8	25·0	4·0	25·0	4·7	25·5	5·8	25·0	4·2	15
16	24·5	4·4	23·9	3·1	23·3	2·9	25·4	4·9	24·9	4·9	24·0	4·0	24·0	4·6	24·4	3·7	16
17	24·0	4·0	23·0	2·8	23·5	3·4	24·3	3·5	22·8	3·6	23·2	3·2	22·5	3·5	24·4	4·0	17
18	22·4	2·9	22·0	2·1	23·3	3·2	22·4	2·4	21·4	2·4	22·3	2·4	21·9	3·7	22·5	2·5	18
19	21·5	2·4	21·4	2·2	22·5	2·7	21·0	1·6	20·0	2·0	21·9	2·2	20·5	2·4	21·5	2·0	19
20	21·1	2·1	21·3	2·1	21·6	2·0	20·5	1·4	20·0	2·0	20·9	1·9	20·0	2·1	21·1	1·8	20
21	20·7	1·7	21·0	2·0	22·3	2·6	20·1	1·1	19·7	2·7	19·8	1·8	19·9	1·9	20·9	1·9	21
22	20·2	1·5	20·6	1·6	21·0	2·0	19·8	1·1	18·2	1·5	19·7	1·7	19·4	1·6	20·6	1·7	22
23	19·8	1·6	20·4	1·9	20·4	1·5	19·6	0·9	17·9	1·5	19·5	1·6	18·6	1.6	20·4	1·7	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during MAY 1935.

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 1935.

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	2·4	13	2·2	11	3·7	09	5·5	09	3·1	10	2·2	09	2·9	10	1·6	14	1·0	11	5·0	12	1·3	13	2·0	13	1·4	13	0·6	14	1·1	13	2·2
1h	12	2·2	13	2·4	11	4·1	10	6·5	09	3·1	09	2·8	09	2·9	10	1·6	16	0·8	13	3·3	13	2·6	13	2·4	17	1·1	13	1·2	14	1·3	13	2·6
2	11	1·8	12	2·4	11	3·6	10	5·4	11	2·0	09	2·8	09	3·3	10	1·7	16	0·7	13	6·4	13	2·8	13	2·5	17	1·1	13	1·5	14	2·3	13	1·8
3	11	2·2	12	3·6	10	3·6	10	5·5	11	2·7	10	2·9	09	2·3	11	1·8	17	1·8	13	4·6	14	3·1	13	2·9	13	2·3	15	1·7	14	1·8	13	1·2
4	11	1·8	12	1·9	10	3·8	10	4·6	10	2·6	10	3·3	09	1·3	11	1·3	17	1·9	13	4·2	14	3·3	13	3·0	09	1·5	15	0·9	14	1·3	13	0·8
5	11	1·4	12	2·3	11	3·8	10	4·1	10	2·7	10	3·3	09	2·2	12	1·4	16	2·5	13	4·2	12	2·0	13	3·1	08	1·1	15	0·9	14	2·0	13	1·5
6	11	2·0	12	2·9	12	3·1	10	4·4	10	2·9	10	3·3	09	2·5	12	1·8	15	4·1	13	5·4	12	1·1	14	3·1	07	1·1	15	1·8	14	2·7	13	1·4
7	11	1·7	12	2·6	12	3·3	09	5·2	10	2·3	10	2·7	09	1·9	12	1·5	15	2·8	13	5·3	15	2·1	14	3·4	12	2·0	15	1·3	14	1·9	12	1·9
8	11	2·2	10	3·9	10	3·8	10	5·1	10	2·5	08	2·6	10	2·5	12	0·7	14	2·5	13	5·2	15	1·2	14	3·9	13	1·9	11	0·7	14	0·9	12	1·8
9	12	2·2	10	5·5	11	5·4	10	7·0	09	4·7	07	4·5	09	3·5	11	0·8	13	5·4	13	4·9	16	2·6	12	4·3	12	3·6	11	0·8	14	0·9	10	3·0
10	12	3·2	11	4·9	09	6·8	10	3·2	08	5·4	06	4·7	06	3·8	08	1·5	14	4·6	13	6·3	14	4·3	11	4·4	11	3·6	18	1·7	14	1·6	09	3·7
11	10	2·8	12	6·0	09	6·6	09	5·4	08	4·9	08	5·2	09	3·6	06	2·1	13	7·5	14	6·8	13	4·5	11	5·3	11	3·1	14	1·4	21	1·2	11	4·2
Noon	11	3·1	11	5·0	09	6·5	09	4·9	08	5·4	06	4·0	08	3·3	07	1·7	13	7·6	13	7·3	12	4·5	12	5·3	12	2·5	12	2·5	25	1·7	09	5·0
13h	11	2·7	12	6·1	08	6·6	09	5·0	10	4·9	06	4·4	07	3·0	06	1·5	12	7·6	13	6·7	12	3·7	12	2·6	10	2·4	13	3·5	29	1·3	12	4·8
14	11	2·5	10	6·2	09	5·7	09	5·6	10	5·4	06	5·1	09	2·6	06	1·7	13	7·4	13	5·0	10	4·2	11	4·0	12	2·2	12	1·7	26	1·6	12	4·6
15	16	1·5	10	6·4	09	4·8	10	5·8	09	5·2	08	4·4	13	3·1	06	0·7	14	7·3	13	5·1	12	4·0	11	4·6	18	2·4	12	2·2	24	1·1	14	4·9
16	12	1·8	10	5·6	09	4·9	10	4·6	09	5·3	09	4·2	15	1·8	06	0·6	14	7·1	13	6·4	11	3·1	12	4·3	13	2·7	13	2·7	24	0·7	14	4·8
17	11	1·7	12	5·9	10	4·4	09	4·9	11	4·8	08	3·9	05	0·8	06	1·5	12	6·0	14	5·5	13	3·8	12	2·0	13	2·5	13	2·5	27	0·8	13	4·4
18	12	2·2	11	4·4	12	4·0	09	3·7	11	3·4	08	3·2	03	0·8	18	0·7	12	6·1	13	4·2	12	1·4	12	1·8	13	1·0	14	1·4	23	1·3	14	3·1
19	12	1·9	12	4·7	09	4·4	10	2·4	11	3·0	10	3·0	16	2·2	18	0·7	12	5·3	13	2·4	12	1·6	12	1·1	13	0·7	14	0·8	15	2·1	14	3·2
20	12	2·1	10	5·4	10	5·2	09	2·4	11	2·6	09	3·1	04	1·1	18	1·1	12	6·8	13	2·8	11	3·8	12	1·1	13	0·7	13	1·5	15	2·4	11	2·8
21	12	2·4	11	3·8	10	6·3	09	3·0	10	3·6	09	3·2	04	0·9	18	1·0	13	5·1	13	2·8	11	2·8	12	0·7	13	0·9	13	1·1	15	1·1	11	2·7
22	12	2·1	12	4·4	10	6·5	09	3·1	10	2·7	09	3·5	04	1·5	12	1·1	13	6·0	12	1·8	11	2·3	12	1·8	13	0·6	14	1·0	12	1·3	11	2·9
23	12	2·2	10	3·6	10	6·1	09	3·6	10	3·4	09	3·1	07	1·8	14	0·7	13	5·5	12	1·8	12	2·3	12	1·9	13	0·6	14	1·1	12	1·8	11	2·8

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	12	2·6	12	1·2	16	2·0	11	3·5	08	2·6	11	3·0	11	3·0	11	1·9	10	3·7	08	2·0	11	3·2	11	3·0	12	1·9	12	1·9	12	1·9	2·4
1h	09	2·3	12	1·8	14	1·8	11	3·0	10	3·8	12	2·2	12	3·9	08	2·7	10	3·9	09	1·8	11	2·8	11	3·4	12	1·9	12	1·9	16	1·7	2·6
2	10	3·0	11	1·6	14	1·9	11	1·9	11	2·9	12	2·0	12	3·3	07	2·5	11	3·4	10	1·8	11	2·2	10	3·5	11	1·6	12	1·1	16	1·2	2·5
3	10	2·6	12	1·8	11	1·8	11	2·1	11	3·2	12	3·2	11	2·6	09	3·8	10	3·7	10	2·6	11	1·8	10	3·7	11	2·2	12	0·8	16	0·9	2·6
4	10	2·3	12	1·6	12	1·7	11	3·0	10	3·5	12	3·1	12	2·9	09	2·4	10	3·9	10	1·9	12	2·6	10	3·6	13	1·9	12	1·3	16	1·2	2·4
5	11	2·7	12	1·6	12	0·7	11	3·4	11	2·7	09	5·2	11	3·2	09	2·4	10	2·7	10	2·4	12	2·1	10	3·2	13	1·8	14	2·2	12	2·1	2·5
6	11	2·1	12	1·9	12	2·7	12	1·7	11	3·3	11	4·8	12	3·5	09	2·2	10	3·3	10	3·4	12	1·7	10	3·4	13	1·7	14	1·6	10	1·8	2·7
7	11	2·3	12	1·7	12	1·9	11	2·8	10	3·7	10	4·9	11	3·3	11	2·7	10	3·6	10	3·0	12	1·8	10	4·2	12	1·8	14	0·6	12	2·2	2·7
8	10	2·6	12	0·9	12	1·7	10	3·9	11	3·2	10	4·2	11	3·7	11	2·0	11	3·7	10	3·7	12	1·8	10	4·4	13	1·2	14	0·6	12	2·6	2·6
9	10	3·7	04	1·6	11	3·0	10	5·1	09	3·1	10	5·6	11	4·3	08	3·1	10	5·1	10	4·4	10	3·2	09	5·0	13	1·5	14	1·0	13	4·4	3·6
10	08	3·3	02	2·1	10	4·2	08	4·9	10	4·7	10	6·8	10	5·4	09	4·8	10	5·0	10	5·4	08	4·4	10	4·5	12	2·4	12	2·8	15	3·0	4·1
11	09	2·9	01	2·1	10	4·7	09	5·3	11	5·6	10	6·3	11	6·3	10	5·1	10	4·7	11	5·3	09	5·0	06	4·4	12	3·0	10	2·7	12	4·5	4·5
Noon	06	2·4	29	3·1	10	5·3	09	5·4	09	5·6	10	7·6	10	6·3	10	5·0	08	4·9	10	6·4	10	5·1	08	4·1	06	3·2	12	2·9	14	4·1	4·6
13h	06	2·0	32	3·1	10	4·8	06	4·1	10	5·8	10	7·3	09	7·2	09	5·5	10	4·8	10	5·9	09	4·9	06	4·1	09	3·5	11	1·6	13	4·2	4·4
14	07	2·7	29	2·5	09	4·7	09	4·4	11	4·9	12	7·1	10	6·9	10	5·3	08	4·6	11	3·6	09	4·7	07	4·3	18	2·1	14	2·0	14	5·9	4·2
15	06	2·9	30	2·1	10	4·7	08	4·4	09	5·2	10	6·8	10	6·1	09	5·3	08	4·7	10	5·3	10	5·3	08	4·5	18	1·2	14	2·6	13	5·4	4·2
16	07	2·5	28	1·5	11	4·3	06	4·3	12	5·0	10	6·9	10	6·2	11	5·6	07	4·8	10	5·0	10	4·5	07	4·1	11	1·8	11	2·3	14	4·5	4·0
17	08	2·2	28	0·9	10	4·4	09	3·6	09	4·4	10	5·1	11	4·0	11	4·4	08	4·2	11	4·1	09	4·1	08	2·8	12	1·8	11	1·8	14	4·2	3·5
18	08	2·3	28	0·7	11	3·0	13	3·2	10	3·8	10	4·2	10	3·5	10	3·1	08	3·2	11	3·4	09	4·1	08	2·0	12	1·8	11	1·3	14	4·4	2·8
19	08	1·8	28	1·3	12	3·2	13	3·4	12	3·4	11	3·9	10	2·9	11	3·2	08	3·5	11	2·9	10	2·8	08	1·8	12	2·4	11	1·1	14	3·6	2·6
20	12	1·7	28	2·2	11	3·3	13	3·4	11	3·2	11	3·4	11	3·3	11	4·0	08	3·8	10	2·8	10	2·0	12	1·7	12	0·7	11	1·9	14	1·8	2·7
21	11	1·7	16	2·5	12	3·1	09	3·3	11	3·4	11	3·4	10	2·9	11	3·8	08	2·5	11	3·2	11	2·9	12	1·8	12	0·6	11	1·5	14	1·2	2·6
22	11	1·6	16	2·2	12	3·1	09	2·9	11	3·5	12	3·9	10	3·6	10	3·1	08	2·2	11	3·3	12	3·4	12	1·8	12	0·8	11	1·1	14	0·7	2·6
23	11	1·6	16	1·7	11	2·6	10	3·3	11	3·2	12	3·0	12	4·6	09	3·5	08	1·8	11	3·9	10	3·4	12	2·1	12	1·3	12	1·1	14	0·6	2·6

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), MAY, 1935.

Hour	Force (0–12) 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	30	...	...	...	..	2	7	17	2	3	...	...	...	...	...	...	...
9	...	3	28	.	...	1	...	6	9	12	2	1	...	...	...	...	...	...	...
15	...	5	26	...	...	...	2	8	7	6	3	1	2	...	1	...	...	...	1
21	...	1	30	...	...	1	...	4	3	19	1	2	1	...	...	...	...	...	...
Totals	...			...	...	2	2	20	26	54	8	7	3	...	1	..	...	...	1

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MAY 1935.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of MAY 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	1·39	35·3	5·52	5
*	St. Antoine	50	0·60	15·2	4·41	7
*	Belmont	50	0·27	6·9	4·27	1
*	Poudre d'Or	20	0·78	19·8	4·22	1
	Mon Loisir S. E.	300	0·71	18·0	5·61	4
	Forbach	300	1·02	25·9	4·63	3
*	Couroupa...	...	0·71	18·0	7·08	4
*	Labourdonnais	290	0·83	21·0	4·90	2
	Mapou	...	2·13	54·1	...	4
	Beau Séjour	300	0·67	17·0	6·13	8
	Mont Piton	650	1·24	31·5	5·64	7
	Mon Choix	700	0·54	13·7	5·18	4
	Antoinette	640	0·83	21·1	6·13	8
	Mon Songe	620	0·32	8·1	6·29	4
*	Botanical Gardens... ...	325	1·60	40·6	4·57	8
	The Observatory	179	1·41	35·9	3·92	12
	Solitude	175	1·25	31·8	3·62	4
	Triolet	...	...	...	...	...
	St. André	90	1·43	36·3	4·10	2
	La Nicolière	...	...	...	10·30	...
	California	...	1·86	47·2	6·05	6
	Australia	...	...	...	.	...
2 & 3	Union Régnard S.E.(Flacq)...	600	1·16	29·5	7·66	14
	Constance d'Arifat L.G. ...	100	1·11	28·2	5·93	11
	Rich Fund	600	1·42	36·1	8·61	16
	La Joffrette	...	1·25	31·8	...	8
	Belle Vue (Allendy) ...	...	1·44	36·6	7·62	9
4 *	Sans Souci	900	4·91	124·7	13·54	23
	Beau Champ (G.R.S.E.) ..	20	0·75	19·1	5·79	8
	Olivia	400	3·12	79·2	10·30	13
	Trois Ilots	...	1·32	33·5	...	10
	Belle Rive	400	4·25	108·0	13·65	20
	Sébastopol	700	5·46	138·7	...	15
	Bonne Veine	400	4·53	115·1	10·27	22
5	Rose Belle	850	8·03	204·0	14·83	24
	New Grove	650	4·37	111·0	...	18
	Mon Trésor	...	1·49	37·8	...	17
	Mon Désert (Carié) ...	75	0·79	20·1	7·10	10
	Ferney	20	1·02	25·9	9·45	15
	Sauve Terre	..	0·70	17·8	...	10
6	Tivoli	1,300	7·61	193·3	13·67	28
	La Flora	1,050	9·49	241·0	14·06	25
6	Riche Bois (Brit.) ...	650	6·20	157·5	8·92	17
	Britannia (Estate) ...	700	4·28	108·7	10·55	22
	Savannah (Mill) ...	200	0·99	25·1	7·87	8
	St. Aubin	300	2·17	55·1	6·75	12
	St. Avold	900	4·31	109·5	11·69	24
	Colmar	400	4·25	108·0	8·30	23
	Union S. E.	...	2·05	52·1	7·17	6
	Fontenelle	320	3·28	83·3	7·24	5
	Choisy	200	3·08	78·2	6·20	12
	Beau Bois	...	6·20	157·5	9·00	17
	Bel Air	...	1·41	35·8	6·74	10
	St. Félix	...	1·44	36·6	...	7
7,8,9&10	Bel Ombre	40	2·85	72·4	6·16	10
	Beau Champ (B. du Cap)	70	3·56	90·4	6·03	7
	Frédérica	...	3·87	98·3	...	8
	Pierre Fond	...	1·99	50·5	4·43	8
	Ste. Marie	...	4·44	112·8	...	7
	Hussonia Limited .	...	0·21	5·3	...	2
11	Curepipe Gardens ...	1,840	7·93	201·4	9·58	...
	Mare aux Vacoas (G.E.)	1,850	7·23	183·6	13·23	27
	Mare aux Vacoas (Arn.)	1,830	10·47	265·9	12·74	27
	La Marie Filter Bed ...	1,700	4·18	106·2	7·89	18
*	Sophie	...	7·81	198·4	...	21
	Réunion	1,420	2·77	70·4	6·28	17
*	Aerological Station ...	1,393	2·54	64·6	7·75	13
	Phœnix	...	2·25	57·2	5·30	9
	Quatre Bornes... ...	...	2·46	62·5	...	9
12	Quatre Bornes (Board) ...	1,090	2·56	65·0	...	5
*	Le Réduit (D. of A.) ...	1,000	2·15	54·8	3·62	25
	Alma...	1,460	5·15	130·8	10·15	15
	Bagatelle	1,250	3·18	80·8	5·31	14
	Highlands	1,300	2·71	68·8	6·11	13
	Trianon	950	1·93	49·0	4·00	10
	Val Ory	1,100	...	...	4·50	...
	Bassin	...	1·76	44·7	4·90	6
	Hermitage	1,450	6·20	157·5	9·65	15
	Ebene	...	2·27	57·7	...	10
	Bega...	...	1·67	42·4	...	9
	Mon Rêve	...	2·14	54·4	...	10
	Mont Pevril	...	1·98	50·3	...	9
	Mnissy	1,150	2·08	52·8	5·30	10
	Plaisance	...	1·05	26·7	...	11
	La Ferme	350	1·01	25·7	3·30	6

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 1935.

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	10¼	...	...	90	11·6	270	...	...	...	285	5·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	13½	130	9·7*	135	12·7*	...	...	...	...	...	...	...	...
3	10¼	115	17·2*	10·7	20·2*	...	...	...	...	...	...	...	...	14¼	90	18·4	90	15·8	...	...	...	...	270	3·4	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	11¼	...	...	146	4·3*	118	4·0*	...	...	...	...	...	...	15¾	...	...	...	...	285	2·8	...	...	...	...	...	...
10	11¼	...	...	144	9·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	150	...	120	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	11¼	116	14·0*	103	10·7*	131	2·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	11½	42	9·0*	41	8·3*	...	...	...	...	...	...	...	...	14¾	180	...	210	...	...	...	...	...	...	...	...	...
18	11	...	...	333	3·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	9¾	...	...	105	...	...	...	...	...	...	...	300	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	9	108	11·3*	86	6·4*	...	...	...	...	...	...	...	...	15¼	90	28·4	...	...	270	...	...	...	...	...	...	...
22	11¼	111	21·3*	116	10·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	...	...	90	15·1	...	...	270	...	...	...	...	...
24	9¾	75	29·7	75	20·9	...	...	...	...	...	...	300	4·1	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	14	86	8·1*	119	5·2*	...	...	...	...	—	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	11¼	150	24·6	...		300	...	...	...	...	...	315	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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. XXI. 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, 1935

M. HERCHENRODER, B. Sc.

ACTING 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 JUNE 1935.

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
JUNE	° ′			′		
1	12°59·3	·22523	·29682	3·8	14	7
2	59·0	529	682	3·7	24	11
3	58·6	531	680	3·2	21	16
4	58·8	530	678	3·3	23	21
5	58·8	537	676	2·8	45	14
6	58·7	538	678	2·8	25	14
7	59·3	531	679	4·7	93	23
8	58·5	499	684	9·5	72	14
9	59·8	512	680	4·0	95	23
10	58·6	507	682	4·7	68	14
11	59·2	511	683	4·5	31	13
12	59·3	515	681	4·0	25	13
13	59·7	516	682	4·3	35	11
14	59·2	518	680	4·5	18	16
15	59·2	524	678	2·8	19	18
16	59·1	529	680	3·3	18	6
17	59·1	539	676	3·6	29	14
18	59·0	500	683	7·8	100	20
19	59·5	504	683	8·3	95	20
20	59·6	510	681	3·5	34	12
21	59·7	513	679	3·0	48	14
22	59·7	514	680	2·2	42	15
23	59·2	521	677	3·5	39	11
24	59·6	...	677	4·0	...	8
25	59·7	525	675	3·5	29	16
26	59·8	526	677	2·7	33	8
27	59·3	528	674	5·0	27	17
28	59·7	525	674	5·3	35	23
29	59·7	523	674	4·7	52	27
30	59·9	521	675	5·5	32	26
...	...	...	...	...	...	...
Mean	12°59·29	·22531	·29679	4·28	42·1	15·5

Description of the Principal Magnetic Disturbances.

Declination.—8d. Slightly disturbed trace; at 2^h. large negative wave of $5^l.7$. 9d. Small oscillations throughout the second half of the day. 10d. and 11d. Very slight fluctuations at times. 18d. Second half and 19d. Slightly disturbed.

Horizontal Force.—4d. and 5d. Slightly disturbed. 7d. $16^h.05^m$. Sudden commencement of a long disturbed period. Large fluctuations in the trace between 7d.20^h. and 8d. 15^h, with rapid oscillations at times. 9d. $9^h.30^m$. Sudden recrudescence of the disturbed trace from 12^h. to 14^h. rapid oscillations with one sharp +ve peak of 45γ. 10d. 16^h. Fluctuations of minor importance; 11d. from 18^h. continuous small oscillations on the trace after which the disturbance gradually dies down. 17d. 12^h. Commencement of a long but only slightly disturbed period. Considerable decrease in *H. F.* during the second half of 18d. The absolute range amounts to 110γ. 19d. The disturbed period gradually dies down. Very slightly disturbed on 29d. and 30d.

Vertical Force.—4d. and 5d. Slightly disturbed. Small pulsations at times. 7d. $16^h.05^m$. Sudden commencement of a disturbed period which disappears after 12d. 0^h.; rapid oscillations at times with only minor fluctuations in the trace. 9d. $12^h.45^m$. Sharp double oscillation (15γ). 17d., 18d. and 19d. Disturbed trace. Very noteworthy change in the daily range during the second part of 18d. and first part of 19d. Small pulsations on 29d. and 30d.

T=·37256: Mean Dip=52° 48′·50: (X=·21945: Y=−·05061: Z=·29679).
† 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 1935.

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	° ′	
JUNE 4·13·24	12 59·06	JUNE 4· 9·07	·22543	JUNE 10·15·20	52·48·75	·29677
10·15·07	12 59·02	10· 9·14	·22520	25·14·05	52·47·31	·29666
25·13·52	12 59·89	14· 9·44	·22537			
		19·11·50	·22555			
		21·11·52	·22542			
		25· 9·37	·22529			

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

JUNE 1935.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	59·0	58·7	58·3	58·5	58·0	59·0	58·7	61·5	59·7	59·5	58·0	60·0	59·5	60·0	59·5	59·3	Midnight
1h	59·2	58·7	58·5	58·7	59·0	58·7	58·5	61·0	59·5	59·5	60·0	59·7	59·7	60·0	59·5	59·3	1h
2	59·0	59·0	59·0	58·5	58·7	58·5	58·5	60·0	59·3	58·5	59·7	59·5	59·5	59·5	59·5	59·0	2
3	59·2	59·3	59·2	58·7	59·0	58·5	58·7	59·3	59·0	57·0	59·5	58·5	58·5	59·3	59·3	59·3	3
4	59·3	59·5	59·3	58·7	59·0	58·7	58·5	59·3	58·0	56·0	59·5	58·7	57·7	59·0	59·5	59·5	4
5	59·5	59·7	59·3	58·5	59·0	58·7	58·7	56·5	58·0	57·0	59·0	59·0	58·6	58·5	59·0	59·3	5
6	59·7	59·5	59·0	58·5	59·0	58·5	59·0	55·5	58·5	58·5	59·5	59·0	58·5	58·7	59·0	59·0	6
7	58·5	58·3	58·0	58·2	58·3	57·7	58·5	52·0	58·5	57·5	58·0	58·0	58·0	58·0	58·0	58·0	7
8	58·5	58·5	58·0	58·5	58·3	57·5	59·3	56·0	59·3	57·5	58·5	58·7	58·7	58·7	58·5	58·5	8
9	60·5	59·5	58·5	59·7	58·7	58·0	60·5	58·3	60·7	57·5	59·5	60·0	60·5	59·5	59·3	59·3	9
10	61·3	60·7	59·5	59·5	59·0	58·0	61·0	56·7	61·0	58·5	60·3	60·7	62·0	61·5	60·0	59·3	10
11	61·0	60·3	59·3	58·5	58·5	58·0	60·7	57·0	60·0	58·7	60·5	61·0	62·0	61·0	60·3	59·8	11
Noon	60·5	59·7	58·0	59·0	58·5	58·3	60·3	57·0	59·5	59·5	60·0	61·3	61·5	60·0	60·0	60·0	Noon
13h	60·0	58·5	57·3	59·0	58·3	58·5	59·0	58·0	58·5	59·0	59·0	59·5	60·5	59·0	58·5	59·5	13h
14	58·7	57·5	57·0	58·0	57·5	58·3	58·0	57·5	58·0	58·0	58·0	57·3	58·7	57·3	57·5	58·5	14
15	58·0	57·0	56·5	57·0	57·5	57·8	56·3	57·5	59·0	57·3	56·5	57·3	58·7	57·0	57·5	57·5	15
16	57·5	57·5	56·7	56·7	57·7	57·5	57·0	58·0	58·7	57·5	56·7	57·8	58·5	57·0	57·5	56·7	16
17	58·5	58·5	58·3	58·3	58·5	59·0	59·0	60·0	60·0	58·5	58·0	59·3	59·3	58·5	59·0	58·0	17
18	59·3	59·3	59·3	59·5	59·7	60·3	60·5	60·7	61·3	60·3	59·5	59·7	60·0	59·5	60·0	60·0	18
19	59·5	59·5	59·7	59·8	60·3	60·3	60·5	61·0	62·0	60·0	60·0	59·5	60·3	59·7	60·0	60·0	19
20	59·5	59·5	59·7	60·0	60·0	60·0	60·0	61·0	61·0	60·5	60·0	59·7	60·5	59·8	60·0	60·0	20
21	59·5	59·5	59·5	59·7	60·0	60·0	60·0	61·0	61·5	60·7	60·0	60·0	60·5	60·0	59·5	60·0	21
22	59·3	59·0	59·5	59·5	59·7	59·7	60·0	60·3	62·0	60·5	61·0	60·0	60·5	60·0	59·5	59·8	22
23	59·0	58·5	59·3	59·5	59·5	59·3	60·0	60·0	61·5	60·0	60·0	59·5	60·3	59·7	59·5	59·5	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
	12° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	59·5	59·3	63·0	60·5	60·0	60·0	59·7	59·5	60·0	60·0	59·7	60·0	60·3	60·0	...	59·6	Midnight
1h	59·5	58·7	63·3	60·0	60·0	60·0	59·7	59·5	59·7	59·7	59·5	60·0	60·7	60·3	...	59·7	1h
2	59·3	59·0	62·5	59·7	59·8	60·0	59·5	59·3	59·7	59·5	59·5	60·0	60·0	59·5	...	59·4	2
3	59·3	59·5	62·0	59·7	60·3	60·2	59·3	59·0	59·5	59·5	59·5	59·7	60·5	60·0	...	59·3	3
4	59·3	59·3	60·0	60·0	59·0	60·0	59·5	59·3	59·5	59·5	59·5	59·5	59·5	59·5	...	59·1	4
5	59·0	59·0	59·0	59·7	60·3	60·0	59·5	59·3	59·5	59·3	59·0	59·7	60·0	59·5	...	59·0	5
6	59·0	58·5	57·0	59·5	60·0	60·0	59·5	59·5	59·3	59·0	58·7	59·5	60·0	59·5	...	58·9	6
7	58·5	56·0	55·0	58·7	59·0	58·5	58·0	58·3	58·5	59·0	58·0	59·0	57·5	57·5	...	57·8	7
8	58·5	55·5	55·5	58·0	58·0	58·5	57·0	58·0	58·7	59·5	58·5	59·0	57·0	57·7	...	58·1	8
9	59·5	56·5	57·0	58·7	58·7	60·0	58·5	60·0	60·0	61·0	60·3	60·5	59·0	60·0	...	59·3	9
10	60·0	58·0	58·0	60·0	59·3	60·7	59·5	61·5	61·0	61·0	61·0	62·0	60·7	61·0	...	60·1	10
11	60·0	59·0	58·5	61·0	60·0	60·5	59·5	61·5	60·7	60·7	61·5	62·0	62·0	63·0	...	60·2	11
Noon	59·0	59·0	58·5	60·0	60·0	60·0	59·0	61·0	60·0	60·0	60·3	61·5	61·5	63·0	...	59·9	Noon
13h	58·7	57·5	58·5	59·5	59·3	59·0	57·7	59·5	60·5	59·3	58·5	60·0	60·0	62·0	...	59·1	13h
14	58·5	57·5	58·5	59·0	59·5	58·7	58·0	58·5	59·7	59·0	57·0	58·0	59·3	59·5	...	58·2	14
15	57·5	56·7	58·3	58·0	59·3	58·5	57·5	58·5	58·5	58·3	56·5	56·7	57·5	58·0	...	57·6	15
16	56·7	57·5	59·0	57·5	58·5	58·5	58·0	57·5	57·5	58·5	57·5	57·0	57·3	58·0	...	57·6	16
17	58·5	58·5	60·0	59·0	59·5	59·3	59·5	59·0	59·0	59·5	59·0	58·5	59·0	59·5	...	59·0	17
18	60·0	60·0	60·5	60·0	60·0	60·0	60·5	60·0	60·0	60·3	59·7	59·7	60·0	60·3	...	60·0	18
19	60·0	60·3	61·0	60·5	60·3	60·3	60·3	60·3	60·5	60·3	60·0	60·5	60·0	60·3	...	60·2	19
20	60·3	60·7	60·3	60·3	60·0	60·5	60·3	60·3	60·5	60·5	60·0	60·0	60·0	60·0	...	60·3	20
21	60·0	62·5	61·5	60·3	60·5	60·5	60·3	60·5	60·7	60·5	60·0	60·0	60·0	60·0	...	60·3	21
22	59·7	63·3	62·7	60·3	61·0	60·3	60·0	60·5	60·5	60·5	59·7	60·3	60·0	60·0	...	60·3	22
23	59·0	62·0	60·5	61·0	60·5	60·0	60·0	60·3	60·5	60·0	59·7	60·0	60·0	60·0	...	60·0	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 1935.

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	517	521	527	530	521	528	530	464	495	493	505	507	520	517	519	524	Midnight
1h	520	522	527	528	535	529	529	460	497	492	503	510	514	515	519	524	1h
2	523	523	529	529	537	531	530	458	500	495	510	510	515	516	520	528	2
3	523	524	530	531	538	537	523	495	505	500	507	517	515	516	521	527	3
4	523	525	530	533	541	539	540	500	515	510	512	518	524	513	523	526	4
5	524	526	530	535	545	541	540	517	522	517	517	516	523	518	525	527	5
6	522	528	531	540	549	542	539	515	521	514	520	520	522	521	526	530	6
7	525	532	532	542	551	547	550	523	527	520	522	523	528	523	529	535	7
8	530	539	532	541	552	552	556	510	532	520	517	528	527	527	530	537	8
9	530	541	533	543	549	553	560	520	534	523	519	529	528	528	532	534	9
10	530	539	536	536	557	550	555	530	555	526	521	527	530	525	535	533	10
11	529	540	541	535	565	550	540	515	570	538	526	523	532	525	527	536	11
Noon	527	541	544	528	560	549	531	515	570	532	522	517	530	520	527	538	Noon
13h	524	541	540	529	545	547	542	490	545	525	512	510	527	515	522	533	13h
14	527	535	528	531	535	536	543	500	525	521	508	509	510	512	521	528	14
15	524	525	523	521	528	530	540	503	495	518	500	507	502	511	518	523	15
16	520	517	525	522	522	529	532	500	495	512	495	504	497	510	516	520	16
17	518	521	527	525	521	530	540	480	483	497	498	505	503	512	518	522	17
18	520	525	531	535	521	536	545	482	482	485	507	512	505	517	523	527	18
19	520	526	528	527	523	532	545	490	495	470	515	516	506	517	523	528	19
20	517	524	527	528	520	533	523	495	480	470	505	518	507	516	522	528	20
21	516	523	527	522	523	533	493	495	487	490	507	515	508	515	523	527	21
22	518	525	529	521	521	532	475	502	480	489	500	513	508	517	524	526	22
23	521	526	531	520	525	530	467	500	475	500	505	507	517	518	523	526	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	525	525	461	490	502	492	510	*	517	520	525	525	503	510	...	511·1	Midnight
1h	530	535	455	495	502	498	510	...	517	517	525	523	511	510	...	512·1	1h
2	531	525	468	499	504	500	510	...	516	517	525	522	511	522	...	513·9	2
3	535	527	480	502	507	503	513	...	518	517	526	525	507	517	...	516·8	3
4	537	528	487	500	509	506	517	..	519	520	524	527	515	515	...	519·9	4
5	542	530	499	507	510	508	520	...	521	522	525	528	511	517	...	522·9	5
6	541	532	499	506	510	512	519	...	523	525	525	530	517	517	...	524·0	6
7	543	525	510	510	513	517	514	...	528	529	528	534	523	523	...	527·8	7
8	548	531	512	517	520	522	530	..	532	532	530	538	532	524	...	531·0	8
9	552	530	520	524	523	527	535	...	539	535	531	540	537	525	...	533·6	9
10	552	532	530	522	529	534	541	...	541	545	532	536	537	535	...	536·2	10
11	554	533	538	520	531	534	547	541	543	545	536	535	539	537	...	537·4	11
Noon	550	521	547	520	533	528	549	538	545	535	546	535	548	540	...	536·1	Noon
13h	541	510	550	518	538	530	543	540	533	530	545	542	555	535	...	531·6	13h
14	532	507	540	515	535	523	530	541	527	525	540	545	545	538	...	526·6	14
15	529	500	530	513	530	517	523	530	516	513	533	530	530	530	...	519·4	15
16	532	490	505	513	520	512	515	527	518	512	521	512	517	520	...	513·9	16
17	537	473	495	513	519	510	512	523	523	520	519	505	521	510	...	512·3	17
18	543	465	500	512	515	510	512	521	529	512	520	510	525	508	...	514·6	18
19	541	450	497	510	507	510	511	521	527	524	521	514	523	512	...	514·1	19
20	541	442	497	508	500	509	510	520	527	525	522	515	520	513	...	511·8	20
21	533	433	490	507	492	508	511	520	526	527	521	517	516	513	...	510·3	21
22	532	435	480	502	490	510	512	518	524	528	524	520	512	510	...	508·9	22
23	527	437	482	503	490	511	515	517	525	528	529	510	505	508	...	509·0	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)

JUNE 1935

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	683	683	683	683	683	676	682	691	687	683	684	683	681	680	681	680	Midnight
1h	683	683	683	682	680	675	682	691	686	683	685	683	682	680	681	680	1h
2	682	682	683	680	680	674	682	691	686	683	686	683	682	680	680	680	2
3	682	682	682	680	679	673	681	689	685	683	686	683	682	680	680	679	3
4	682	682	682	680	678	673	680	688	684	683	685	683	681	680	680	679	4
5	683	682	682	680	678	673	680	683	683	683	685	683	683	680	680	679	5
6	684	683	682	678	677	672	680	681	683	684	685	683	683	681	682	680	6
7	682	681	680	678	677	670	678	677	682	681	682	683	682	680	680	680	7
8	68	683	680	678	678	671	678	681	683	681	683	684	684	683	681	679	8
9	686	685	680	678	670	672	680	683	684	681	685	685	685	684	683	681	9
10	686	684	678	678	673	680	680	679	680	682	684	684	686	680	683	682	10
11	683	682	670	677	672	680	680	681	671	678	680	679	683	677	680	681	11
Noon	680	680	668	677	671	683	678	680	665	675	674	675	680	674	674	680	Noon
13h	680	677	671	676	673	680	673	680	665	674	675	672	678	669	673	677	13h
14	677	674	675	667	669	678	667	680	664	675	677	673	676	670	667	677	14
15	677	675	675	663	670	680	666	683	665	677	675	674	675	673	666	678	15
16	679	677	676	667	670	680	668	683	671	677	678	678	678	676	665	678	16
17	680	680	680	674	673	683	673	686	680	682	683	683	683	681	670	680	17
18	684	683	683	678	675	684	679	688	685	687	686	684	685	685	677	683	18
19	684	684	684	680	676	683	678	688	683	686	685	683	686	685	681	683	19
20	684	685	683	683	676	683	679	687	683	688	685	683	685	684	682	683	20
21	685	685	683	683	677	683	683	686	685	687	684	683	684	684	682	683	21
22	685	685	684	683	678	682	685	686	685	687	687	682	684	683	682	682	22
23	684	684	683	684	677	682	689	686	687	686	684	682	683	682	682	680	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	679	679	693	684	683	684	681	679	678	676	676	675	679	677	...	681·5	Midnight
1h	678	677	691	683	683	684	681	680	678	677	676	675	678	677	...	681·2	1h
2	677	678	688	683	683	683	680	680	679	677	676	675	678	676	...	680·9	2
3	677	678	687	682	683	683	680	680	679	677	676	675	679	676	...	680·6	3
4	677	677	684	682	680	682	679	680	679	677	675	675	678	676	...	680·0	4
5	677	677	682	681	681	682	678	680	679	677	675	675	679	676	...	679·9	5
6	677	677	682	680	680	681	678	678	679	677	676	675	680	677	...	679·8	6
7	676	676	679	678	677	677	676	676	676	677	675	674	676	674	...	678·0	7
8	677	677	680	679	675	678	674	675	677	678	677	676	675	677	...	678·9	8
9	679	684	683	682	677	683	677	677	676	679	680	676	677	681	...	680·7	9
10	680	686	680	683	678	686	680	678	674	679	680	675	682	681	...	680·7	10
11	680	685	676	684	676	683	677	675	668	677	670	674	680	680	...	678·0	11
Noon	677	686	674	683	672	682	676	673	667	672	665	672	673	675	...	675·4	Noon
13h	673	683	673	680	672	678	670	672	663	672	663	663	663	664	...	672·7	13h
14	667	680	676	677	673	672	672	673	666	673	664	657	658	655	...	671·0	14
15	666	679	678	673	673	671	674	674	668	672	663	660	655	655	...	671·1	15
16	666	679	680	673	673	673	673	674	671	675	667	667	660	663	...	673·2	16
17	674	683	683	676	675	677	677	678	675	679	674	673	671	672	...	677·9	17
18	677	686	685	679	678	679	680	680	677	680	677	679	676	678	...	681·2	18
19	678	689	685	681	681	680	679	680	677	680	678	680	677	679	...	681·8	19
20	679	690	686	682	683	680	679	680	677	679	678	680	678	680	...	682·1	20
21	680	694	686	683	684	680	679	678	677	678	678	679	678	680	...	682·4	21
22	679	696	690	683	684	680	678	678	677	677	678	679	678	680	...	682·6	22
23	678	694	688	685	686	680	679	678	677	677	677	679	677	680	...	682·3	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of JUNE, 1935.

Month and day 1935.	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	972·4	19·9	2·6	15·2	74	17·1	110	4·5	8	18·0	18·4	20·3	17·8	21·7	16·8	4·9	5·4	...	5·6	51
2	972·6	20·5	4·2	13·0	62	14·9	70	5·8	9	16·3	20·0	20·8	17·0	21·5	16·0	5·5	0·0	...	9·8	89
3	971·7	19·4	3·7	14·5	73	16·4	80	4·5	9	16·9	17·2	20·2	16·0	21·5	15·5	6·0	1·3	...	8·6	79
4	970·5	18·5	1·1	16·5	88	18·6	90	5·4	10	16·0	20·0	19·4	17·2	21·4	15·6	5·8	0·1	...	8·3	76
5	968·7	21·3	2·6	16·7	75	18·8	65	7·2	2	17·3	20·5	22·2	18·6	22·9	17·2	5·7	2·0	...	10·0	92
6	967·1	21·3	1·8	18·1	82	20·6	65	3·6	10	18·4	19·9	20·6	19·0	22·4	18·1	4·3	0·0	...	0·2	2
7	967·2	22·5	3·1	17·1	72	19·3	80	2·7	10	18·6	21·6	22·3	20·3	23·3	18·0	5·3	0·0	...	0·3	3
8	967·9	19·7	1·3	17·3	86	19·6	100	5·4	10	19·4	19·0	19·9	17·7	21·6	17·6	4·0	1·6	66	0·0	0
9	967·5	19·9	2·0	16·3	80	18·4	95	9·8	9	16·6	17·5	19·2	17·0	20·5	16·4	4·1	2·0	68	7·9	72
10	969·1	18·5	0·5	17·6	94	19·9	70	8·1	10	16·6	17·5	18·5	17·5	20·6	16·5	4·1	3·0	84	2·8	26
11	968·6	20·0	0·6	18·9	93	21·6	65	8·1	10	18·4	19·6	19·2	18·9	21·0	17·4	3·6	15·8	275	0·2	2
12	967·8	20·1	0·2	19·7	97	22·7	45	3·6	10	18·8	20·0	21·4	20·6	22·1	18·8	3·3	15·6	212	1·4	13
13	967·8	21·6	1·1	19·7	89	22·7	Calm		10	19·6	19·0	22·2	19·6	26·6	18·9	7·7	7·8	112	1·9	17
14	970·7	20·9	0·5	20·0	95	23·2	70	3·6	10	19·9	20·0	21·3	19·9	21·6	19·0	2·6	62·7	379	5·0	46
15	970·7	18·9	0·4	18·2	96	20·7	65	8·1	10	18·0	17·8	19·9	19·0	23·1	17·6	5·5	6·7	212	0·0	0
16	969·3	21·3	0·9	19·7	94	22·7	20	3·6	10	18·5	18·6	20·3	19·4	23·6	18·4	5·2	1·0	31	1·6	15
17	969·7	21·0	1·3	18·7	87	21·4	Calm		10	19·4	20·0	20·4	19·2	24·3	19·1	5·2	2·8	84	0·3	3
18	971·1	22·3	1·5	19·7	85	22·7	65	2·7	10	18·6	20·9	22·3	20·0	23·6	18·0	5·6	3·5	45	8·2	75
19	972·0	23·1	2·7	18·4	75	21·0	65	1·8	9	18·9	17·4	23·1	20·5	23·6	17·4	6·2	0·0	00	4·2	39
20	970·4	21·9	2·7	17·1	74	19·3	65	5·4	4	19·0	20·5	22·6	18·6	23·1	18·0	5·1	0·0	00	9·0	83
21	969·8	20·9	1·1	18·9	88	21·6	65	7·2	4	17·4	18·9	21·4	18·0	22·5	17·4	5·1	3·8	72	8·5	78
22	970·4	19·4	1·0	17·6	89	19·9	90	8·1	6	17·6	19·0	20·6	17·6	21·4	17·2	4·2	3·2	116	9·0	83
23	972·7	17·9	0·9	16·2	89	18·2	90	7·6	8	17·1	16·7	18·0	16·0	18·2	16·0	2·2	9·9	252	6·0	55
24	974·9	17·4	1·9	13·9	80	15·7	70	8·9	9	15·1	15·5	15·9	14·7	19·4	14·6	4·8	7·6	197	4·2	39
25	974·1	16·3	1·6	13·3	82	15·1	70	7·2	5	19·0	16·0	19·0	15·3	19·4	14·0	5·4	6·7	99	5·8	53
26	973·4	18·5	2·2	14·5	73	16·4	80	5·8	1	15·0	16·4	18·9	15·9	19·6	14·0	5·6	4·9	81	5·3	49
27	974·9	17·4	0·9	15·7	90	17·7	70	7·2	10	15·1	16·8	18·1	16·3	18·4	15·0	3·4	17·3	321	3·9	36
28	974·9	20·1	1·8	16·9	81	19·0	55	6·7	2	16·0	18·2	20·4	17·0	21·7	15·6	6·1	0·8	15	9·7	89
29	972·7	20·4	2·4	16·1	76	18·1	70	4·0	2	15·0	19·0	21·6	16·4	21·9	14·8	7·1	1·5	25	9·9	91
30	969·5	20·7	2·3	16·6	77	18·7	70	3·1	1	16·1	19·1	22·5	17·1	23·0	15·9	7·1	0·0	00	8·4	77
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	970·7	20·0	1·7	17·1	83·3	19·4	° ...	5·2	7·6	17·5	18·7	20·4	17·9	21·8	16·8	5·0	187·0	2746	5·20	47·8
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	+	42·1mbs.	Amount of rain	—	65·2mms.
Temperature of the Air	+	2·9°C	Duration of sunshine	+	14·7hrs
Vapour Tension	+	0·2mbs.	Mean of maximum temperatures	+	2·5°C
Relative Humidity	—	12·3%	,, minimum temperatures	+	2·1°C
Velocity of Wind	—	0·3mps.	Absolute maximum temperature	—	0·1°C
Amount of Cloud	—	1·2	,, minimum temperature	+	2·2°C

Greatest Rainfall Intensity at Vacoas: 47·9 mms. in 115mins.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1935.

Month and Day 1935.	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	mm.	min	mm	
1	1013·6	+ 2·7	24·0	18·5	5·5	20·8	− 0·5	2·7	15·9	− 1·3	74	− 3	17·9	13·6	1·8	5	4·1	4·6
2	1013·9	+ 2·0	24·4	17·1	7·3	20·6	− 0·6	4·2	13·1	− 4·0	62	− 15	14·9	11·8	0·0	...	4·9	1·6
3	1012·8	+ 1·8	24·5	16·4	8·1	20·2	− 1·0	3·4	14·1	− 3·0	68	− 9	15·9	14·6	0·0	...	4·3	3·7
4	1011·6	+ 0·5	24·0	17·8	6·2	20·6	− 0·5	2·5	16·1	− 0·9	75	− 2	18·1	16·2	0·0	...	4·8	3·8
5	1009·6	− 1·6	25·0	19·6	5·4	21·7	+ 0·7	2·6	17·1	+ 0·2	75	− 2	19·3	18·7	0·0	..	4·0	2·4
6	1008·1	− 3·2	24·4	20·0	4·4	21·9	+ 0·9	1·6	19·1	+ 2·3	84	+ 7	21·9	18·8	8·8	72	3·2	8·6
7	1008·8	− 2·6	25·0	19·8	5·2	22·2	+ 1·3	1·6	19·4	+ 2·8	84	+ 7	22·3	18·4	0·0	...	1·8	9·0
8	1008·6	− 2·9	24·1	20·2	3·9	22·0	+ 1·2	2·4	17·8	+ 1·3	77	0	20·2	20·0	0·0	...	2·0	9·3
9	1009·0	− 2·6	23·7	19·9	3·8	21·2	+ 0·4	2·9	16·1	− 0·4	73	− 4	18·1	17·8	0·0	...	4·4	6·3
10	1010·2	− 1·5	24·6	19·9	4·7	21·3	+ 0·6	2·5	16·9	+ 0·5	76	− 1	19·0	18·0	1·6	97	4·7	9·5
11	1009·3	− 2·5	23·5	20·7	2·8	21·7	+ 1·0	1·5	19·0	+ 2·6	85	+ 8	21·8	20·0	14·3	185	1·8	9·7
12	1008·5	− 3·4	25·0	21·0	4·0	22·5	+ 1·9	0·7	21·3	+ 5·0	93	+ 10	25·1	20·3	8·3	140	1·4	9·0
13	1009·0	− 3·0	26·5	20·0	6·5	22·8	+ 2·2	1·1	20·9	+ 4·6	89	+ 12	24·5	20·0	7·0	150	2·8	5·9
14	1011·5	− 0·6	25·1	19·9	5·2	22·2	+ 1·6	1·0	20·5	+ 4·2	90	+ 14	23·9	17·0	30·6	343	4·3	8·7
15	1011·6	− 0·6	24·0	20·5	3·5	21·7	+ 1·2	1·7	18·7	+ 2·5	83	+ 7	21·4	19·6	0·3	30	0·8	9·7
16	1010·3	− 2·0	25·9	20·3	5·6	22·4	+ 1·9	1·4	19·9	+ 3·7	86	+ 10	23·0	20·0	4·9	67	2·4	8·7
17	1010·9	− 1·5	24·0	21·0	3·0	21·7	+ 1·3	0·5	20·8	+ 4·7	95	+ 19	24·3	19·4	25·9	278	1·1	10·0
18	1012·2	− 0·3	25·6	19·8	5·8	22·2	+ 1·8	1·3	19·9	+ 3·8	87	+ 11	23·0	19·0	2·0	55	1·9	7·9
19	1012·7	0·0	26·1	19·1	7·0	22·5	+ 2·2	1·9	19·2	+ 3·2	82	+ 6	22·0	18·0	0·0	...	3·0	7·2
20	1012·2	− 0·6	25·3	19·5	5·8	21·8	+ 1·5	2·2	17·9	+ 1·9	78	+ 2	20·3	17·0	0·0	...	3·8	3·3
21	1010·9	− 2·0	24·1	19·1	5·0	21·5	+ 1·2	2·2	17·6	+ 1·6	78	+ 2	19·9	17·8	0·0	...	3·7	2·9
22	1012·1	− 0·9	24·1	19·6	4·5	21·3	+ 1·1	2·3	17·2	+ 1·3	77	+ 1	19·4	17·5	0·0	...	3·6	4·6
23	1014·2	+ 1·1	23·0	19·0	4·0	20·6	+ 0·4	2·7	15·8	− 0·1	74	− 2	17·8	16·4	0·5	30	4·2	4·6
24	1015·8	+ 2·6	22·3	16·9	5·4	19·0	− 1·2	3·0	13·6	− 2·3	71	− 5	15·4	15·0	3·1	79	4·5	5·5
25	1015·3	+ 2·0	22·7	16·7	6·0	19·2	− 1·0	3·4	13·1	− 2·8	68	− 8	14·9	12·2	1·2	53	2·4	7·9
26	1014·8	+ 1·4	22·5	16·3	6·2	19·1	− 1·0	2·4	14·8	− 1·0	76	0	16·7	12·2	0·9	71	3·2	7·5
27	1016·0	+ 2·5	23·0	17·8	5·2	19·5	− 0·6	1·7	16·4	+ 0·6	83	+ 7	18·5	16·2	10·3	180	1·4	7·6
28	1016·1	+ 2·6	24·6	18·0	6·6	20·8	+ 0·7	3·5	14·5	− 1·4	67	− 9	16·4	16·3	0·0	...	2·3	4·5
29	1013·3	− 0·3	24·6	17·6	7·0	20·4	+ 0·3	2·8	15·4	− 0·5	73	− 3	17·3	15·5	0·3	12	4·3	4·2
30	1010·4	− 3·3	25·0	16·2	8·8	20·2	+ 0·1	2·9	15·0	− 0·9	72	− 4	16·9	12·8	0·0	...	3·3	3·5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1011·8	− 0·5	24·3	18·9	5·4	21·2	+ 0·7	2·2	17·2	+ 0·9	78·5	+ 2·1	19·6	17·0	Sum 121·8	Sum 1847	3·1	6·4
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 1935.

During the first four days of the month well marked anticyclonic conditions prevailed, with very strong trades which at times over the ocean and North of Madagascar reached gale force. From the 5th, a rapid pressure fall starts over the Ocean and the trade wind falls occasionally to a dead calm. At the same time a noteworthy temperature rise occurs and these conditions last for about 15 days. Nearly all the rainfall of the month fell during this period and it appears that the large rainfall excess of the month—88% of the average—would not have obtained but for these unusual conditions for the time of the year.

From the 23rd, a high pressure wave again sets in, with reinforcement of the trades and some light precipitation. A large percentage of overcast days and an important defect in sunshine were other noteworthy features.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1935.

Month and Day 1935.	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.)
JUNE	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	7·1	65	3·9	+ 0·7	25·5	25·5	24·5	23·7	b : bcr₀r₀ : bc : c : b
2	9·9	90	3·8	+ 0·5	25·5	25·2	24·4	23·3	b : bcq b
3	9·5	87	3·3	0·0	25·5	25·3	24·3	23·2	b : bc
4	8·8	81	4·1	+ 0·8	25·5	25·4	24·2	23·0	b : bc
5	9·8	90	3·8	+ 0·5	25·5	25·2	24·0	22·9	bc :
6	0·0	0	2·5	− 0·8	25·5	25·5	24·0	23·2	b : o : or₀r₀ : c
7	1·4	13	1·4	− 1·9	25·5	25·3	24·0	23·2	c : o : og : o : c
8	0·2	2	4·0	+ 0·6	25·5	25·2	24·0	23·5	o : og : o : c
9	8·3	76	6·0	+ 2·6	25·5	25·2	24·0	23·4	c : oq . bc : bq : bc
10	2·0	18	5·5	+ 2·1	25·4	25·2	24·0	23·4	o : bc : or₀ : c : or₀r₀
11	0·3	3	5·0	+ 1·6	25·5	25·1	23·9	23·2	og : or₀r₀ : ogr₀r₀ : o
12	3·0	28	3·8	+ 0·4	25·5	25·1	23·9	23·2	o : or₀r₀ : or₀ : cr₀ : bc r₀
13	4·0	37	1·6	− 1·8	25·4	25·3	23·9	23·4	bc : cr₀r₀ : bc
14	4·4	40	5·3	+ 1·8	25·5	25·0	23·9	23·6	oRR : cr₀r₀ : ogr₀r₀
15	0·2	2	5·0	+ 1·5	25·5	25·1	24·0	23·6	o : or₀ : o : c
16	2·4	22	2·6	− 0·9	25·4	25·1	24·0	23·2	or₀r₀ : c
17	0·2	2	1·5	− 2·0	25·4	24·8	24·0	23·4	or₀r₀ : oRR: o : or₀
18	4·3	39	2·4	− 1·1	25·4	24·9	23·9	23·6	or₀r₀ : o : bc
19	7·1	65	2·5	− 1·1	25·4	24·9	24·0	23·7	o : bc : c : b
20	10·2	94	2·7	− 0·9	25·4	25·0	24·0	23·9	bc : b : bc : b
21	8·9	82	3·9	+ 0·3	25·4	24·8	24·1	23·6	b₀ : bc : bc
22	8·4	77	3·7	+ 0·1	25·4	25·2	24·0	23·4	b : bc
23	8·5	78	5·3	+ 1·7	25·3	24·8	24·0	23·4	bc : bcqr₀r₀: bcq :
24	7·1	65	5·8	+ 2·2	25·4	24·9	23·9	23·1	bcd₀d₀: bq : bcq : bcqd₀d₀: c q d₀ d₀
25	5·8	53	5·1	+ 1·4	25·4	25·0	23·8	22·6	od₀d₀ : bc
26	5·9	54	4·3	+ 0·6	25·4	24·8	23·6	22·4	or₀ : bc : cq d₀d₀ : c : bc
27	6·0	55	4·9	+ 1·2	25·4	24·7	23·4	22·0	bcd₀d₀· ogr₀r₀ : cqr₀r₀ : cq : cp : c
28	9·5	87	4·5	+ 0·8	25·2	24·8	23·2	21·8	bc : bcq
29	8·8	81	3·1	− 0·6	25·3	24·6	23·2	21·9	bc : b : bc : b :
30	8·7	80	2·7	− 1·0	25·2	24·7	23·1	22·0	bcp : bc : b
...	...	...	...	...	...	...	...	...	.....
Mean	5·69	52·2	3·80	+0·31	25·42	25·05	23·90	23·13	.....
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 1935.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1017·7mbs	at 09·00hrs. / at 10·00hrs.	on 28th / on 27th	1007·0mbs	...	often
Temperature of the Air	26·5°C	at 13·00hrs.	on 13th	16·2°C	at 22·15hrs.	on 30th
Daily range of temperature of the Air ...	8·8°C	..	on 30th	2·8°C	.	on 11th
Temperature of the Dew Point	22·5°C	at 11.00hrs.	on 12th	10·9°C	at 06·00hrs.	on 25th
Daily range of temperature of the Dew Point	5·1°C	...	on 24th	1·3°C	...	on 15th
Minimum on Grass	...	...	..	11·8°C	...	on 2nd
Relative humidity	98·9%	at 9.00hrs.	on 13th	47·6%	at 11·00hrs	on 2nd
Vapour Tension	27·0mbs.	at 11·00hrs.	on 12th	13·0mbs.	at 06.00hrs.	on 25th
Wind Velocity	8·4m.p.s.	at 12·00hrs.	on 10th	0·6mps	at 02·00hrs.	on 18th
Rainfall in 24 hours	30·6mms.	ending 22hrs	on 14th	...	...	...
Evaporation in 24 hours...	4·9mms	...	on 2nd	0·8mms	...	on 15th
Duration of sunshine	10·2hrs	...	on 20th.	0·0h	...	on 6th

Mean Day Temperature of Air, 22·36°C. Average 22·26°C. Mean Night Temperature of Air, 19·60°C. Average 18·74°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	10	12	3	4	6	3	2	2	...	...

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 1935.

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	130	149	140	130	110	083	081	092	089	100	101	102	086	110	124	112	Midnight
1h	131	147	135	127	117	082	080	089	086	098	100	093	083	109	125	110	1h
2	127	140	130	124	100	080	076	087	081	099	092	093	083	108	116	117	2
3	126	138	129	118	098	079	077	083	079	097	090	087	080	106	116	100	3
4	127	135	130	114	097	073	080	084	080	100	085	083	080	107	110	097	4
5	126	135	130	113	097	077	085	087	085	103	086	081	080	107	113	093	5
6	132	140	130	113	102	080	086	095	089	105	090	084	083	109	116	097	6
7	140	142	135	117	105	086	090	099	093	110	090	087	090	112	117	096	7
8	143	146	140	120	109	090	094	101	096	110	093	091	095	120	125	105	8
9	146	149	140	125	107	090	093	101	095	110	100	099	097	126	128	111	9
10	147	150	137	127	103	085	092	090	090	112	100	100	093	127	131	111	10
11	145	147	130	125	095	080	088	082	087	102	100	090	089	125	127	108	11
Noon	141	140	125	120	088	070	084	076	084	100	100	085	083	117	120	103	Noon
13h	133	131	115	113	082	070	082	072	080	090	093	075	078	110	113	100	13h
14	125	128	113	106	080	070	081	073	080	088	087	071	077	106	104	090	14
15	124	127	113	103	081	073	080	070	083	089	080	070	079	107	103	087	15
16	126	129	115	105	086	077	085	075	085	095	080	072	082	108	102	086	16
17	129	130	116	107	089	083	086	080	090	096	081	072	086	110	105	087	17
18	130	131	120	109	092	085	093	084	093	102	089	077	092	110	110	111	18
19	135	136	125	114	097	087	100	089	101	105	095	082	100	117	110	117	19
20	141	140	129	119	098	090	100	090	100	109	100	087	103	123	114	102	20
21	145	142	130	120	097	085	100	092	103	107	102	087	105	126	117	105	21
22	148	143	131	120	092	085	098	093	103	105	105	090	108	127	117	110	22
23	149	141	131	116	090	083	099	091	100	104	103	089	108	127	120	110	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	108	126	130	130	126	115	135	159	160	150	155	173	157	119	...	1012·3	Midnight
1h	107	123	130	129	125	113	133	158	160	148	152	171	154	117	...	1012·1	1h
2	102	120	130	127	120	110	130	157	157	144	153	165	150	110	...	1011·7	2
3	098	119	125	125	113	109	130	153	157	143	151	163	147	107	...	1011·5	3
4	095	115	127	123	111	110	128	150	156	144	150	162	145	108	...	1011·4	4
5	094	118	126	122	110	111	127	148	154	145	152	163	142	104	...	1011·4	5
6	097	121	128	120	112	114	129	151	155	148	158	164	143	105	...	1011·6	6
7	103	124	131	123	113	116	136	157	160	150	160	165	147	106	...	1012·0	7
8	110	128	137	127	117	122	145	163	165	154	165	172	150	113	...	1012·5	8
9	117	134	139	130	121	128	150	165	169	160	170	177	151	118	...	1012·8	9
10	117	137	140	131	120	130	151	169	170	158	177	173	149	118	...	1012·8	10
11	113	132	136	125	115	126	147	167	162	157	170	170	145	114	...	1012·3	11
Noon	112	125	131	121	104	123	143	160	155	150	160	165	140	105	...	1011·8	Noon
13h	105	117	122	116	097	117	138	152	145	140	152	157	128	098	...	1011·1	13h
14	100	109	117	110	090	115	136	149	141	140	150	150	120	090	...	1010·6	14
15	100	109	115	108	088	116	136	147	137	138	149	145	115	088	...	1010·5	15
16	105	110	118	109	090	115	137	149	138	141	150	143	113	089	...	1010·7	16
17	109	113	120	112	092	117	139	151	140	143	160	147	113	092	...	1011·0	17
18	111	117	120	115	099	121	143	155	143	143	162	150	113	093	...	1011·4	18
19	113	123	121	120	105	127	150	160	147	147	161	155	115	100	...	1011·8	19
20	118	127	125	125	113	132	157	163	149	151	165	158	120	102	...	1012·2	20
21	123	128	130	127	115	132	161	165	153	155	169	160	121	105	...	1012·4	21
22	125	131	130	130	118	134	159	167	151	157	170	160	123	106	...	1012·5	22
23	127	131	131	127	115	135	160	167	150	153	172	160	121	103	...	1012·3	23

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

Hour. \ Day.	JUNE 1935.																															
	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	1	1	2	2	1	8	9	9	10	10	10	6	10	10	8	10	10	10	3	0	2	5	5	9	9	4	7	5	7	.	6·1
1h	1	1	1	2	1	2	7	10	9	10	10	10	7	10	10	9	10	10	10	4	0	2	4	3	10	10	5	4	4	6	...	6·2
2	1	0	1	1	0	3	8	9	10	10	10	10	4	10	10	10	10	10	10	6	0	3	3	2	10	10	5	4	2	5	...	5·9
3	1	0	1	0	0	4	8	10	10	10	10	10	2	10	10	10	10	10	10	7	0	2	5	3	10	10	6	3	1	3	...	5·9
4	10	0	2	0	0	9	9	10	10	10	10	10	3	10	10	10	10	10	10	4	0	8	8	3	10	9	3	2	2	3	...	6·5
5	6	1	5	1	1	10	10	10	10	10	10	10	9	10	10	10	10	10	10	1	1	7	7	3	10	7	6	3	2	4	...	6·8
6	4	1	7	3	2	10	10	10	10	10	10	10	10	9	10	10	10	10	5	1	1	7	6	4	10	5	10	4	10	4	...	7·1
7	4	2	4	3	2	10	10	10	4	10	10	10	10	4	10	4	10	10	5	2	3	4	7	4	10	8	10	6	8	4	...	6·6
8	3	2	3	2	2	9	9	9	3	10	7	10	10	4	10	7	10	10	7	1	0	4	9	4	8	7	10	4	6	4	...	6·3
9	3	2	3	2	2	10	8	9	2	10	9	10	10	9	10	9	10	9	6	2	4	4	6	2	8	6	6	3	4	4	...	6·1
10	8	1	5	3	3	10	8	9	3	10	8	10	10	9	10	9	10	8	7	4	4	4	6	6	8	4	6	3	4	3	...	6·4
11	8	1	5	8	3	10	9	9	4	7	9	10	8	8	10	9	10	7	7	5	4	4	5	8	7	8	9	4	3	4	...	6·8
Noon	9	3	5	9	3	10	9	9	4	7	10	10	7	8	10	9	10	7	7	5	4	3	5	5	7	7	10	5	4	4	...	6·8
13h	8	6	5	6	4	10	9	10	3	7	10	10	5	8	10	10	10	7	6	5	5	4	5	6	6	9	9	5	3	4	...	6·8
14	8	3	5	5	6	10	10	9	3	10	10	10	5	8	10	8	10	5	6	5	5	4	5	10	8	9	8	5	4	4	...	6·9
15	8	2	2	6	5	10	10	9	4	10	10	10	5	7	10	8	10	5	6	5	5	4	5	7	8	9	7	5	4	3	...	6·6
16	8	2	3	7	5	10	10	9	5	10	10	9	5	7	10	8	10	5	6	5	4	4	5	6	8	9	7	5	4	3	...	6·6
17	6	1	3	7	4	10	10	9	6	9	10	9	3	10	10	9	10	6	9	4	3	7	3	5	8	9	8	5	3	4	...	6·7
18	4	1	4	5	3	10	10	9	8	9	10	9	4	8	9	9	10	7	9	4	2	5	2	4	8	9	10	5	2	3	...	6·4
19	3	1	4	4	2	10	9	9	8	10	10	8	3	10	9	9	10	3	8	2	2	2	1	10	5	9	10	4	2	3	...	6·5
20	2	2	5	4	3	10	9	9	7	10	10	8	2	10	9	8	10	4	8	2	3	5	1	10	3	5	8	5	2	3	...	5·9
21	2	2	8	3	2	9	9	9	5	10	10	6	1	10	9	9	10	8	3	2	5	7	1	4	3	6	9	7	7	2	...	5·9
22	1	2	8	4	2	8	8	9	3	10	10	5	1	10	10	8	10	9	2	1	4	6	1	8	7	6	8	6	7	2	...	5·7
23	1	1	2	3	1	8	9	9	10	10	10	3	9	10	9	8	10	10	2	1	3	7	5	9	8	4	7	6	7	1	...	6·1

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

Hour Ending. \ Day.	JUNE 1935.																															
	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	15	18	5	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	...	0·9
8	40	49	47	54	52	0	0	0	53	0	0	0	0	0	0	25	0	0	28	59	16	60	14	47	5	40	1	58	43	55	...	12·4
9	60	60	59	60	60	0	40	0	60	0	0	0	0	0	0	15	0	0	58	60	60	60	60	60	17	60	30	60	45	60	...	17·4
10	60	60	50	46	60	0	30	0	60	3	20	0	0	24	0	23	8	15	46	60	60	55	60	37	56	60	34	60	60	60	...	18·6
11	45	60	58	57	60	0	12	0	60	4	0	18	1	30	0	16	4	0	2	60	60	58	60	45	60	30	45	60	60	60	...	17·1
Noon	47	60	59	35	58	0	0	0	60	43	0	38	5	56	0	8	0	13	46	60	45	60	60	50	50	52	40	50	60	60	...	18·5
13h	23	60	00	42	58	0	0	0	53	54	0	40	59	26	0	2	0	24	50	60	53	55	60	58	48	37	60	50	60	60	...	19·2
14	42	60	60	60	58	0	0	0	48	18	0	50	59	15	13	15	0	52	60	60	52	60	59	25	45	22	50	60	60	60	...	19·4
15	48	60	60	57	54	0	0	0	55	0	0	4	52	28	0	16	0	60	60	60	60	60	60	25	34	17	30	60	48	60	...	17·8
16	37	60	59	55	60	0	0	0	34	0	0	13	51	48	0	13	0	30	60	60	60	35	54	37	30	30	45	60	33	38	...	16·7
17	9	45	44	55	52	0	0	13	12	0	0	15	12	36	0	11	0	53	14	60	60	0	25	40	4	5	25	50	60	8	...	11·8
18	0	4	0	5	8	0	0	0	0	0	0	0	0	0	0	0	0	10	0	11	11	0	0	0	0	0	0	0	1	0	...	0·9
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total Amount of Registered Sunshine was 170.7 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 1935.

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	18·7	1·1	19·1	3·0	18·2	1·4	17·9	2·0	20·0	1·2	20·0	1·1	20·4	0·4	21·7	2·0	Midnight
1h	19·0	1·0	17·5	2·0	17·3	1·7	18·1	2·0	20·0	1·4	20·5	1·2	20·6	0·5	21·3	1·6	1h
2	20·1	1·2	18·3	2·6	16·5	1·5	18·1	1·9	20·2	1·2	20·9	1·2	20·5	0·4	21·4	1·5	2
3	19·0	1·1	18·2	3·4	18·6	2·0	18·1	1·9	19·8	1·6	20·7	1·3	20·4	0·5	21·3	1·4	3
4	19·8	0·8	19·3	4·3	18·0	1·9	18·6	2·0	19·9	1·8	20·7	1·2	20·0	0·6	21·5	2·2	4
5	19·3	0·4	18·4	3·7	18·5	1·5	18·0	1·8	19·8	1·7	21·0	1·3	20·0	0·6	21·5	2·2	5
6	19·1	1·7	17·5	3·4	19·0	2·1	18·8	2·0	19·7	1·7	21·2	1·4	19·8	0·7	21·5	1·7	6
7	19·4	1·8	18·5	3·9	17·9	2·4	19·0	2·1	20·0	1·9	21·3	1·4	19·9	0·7	21·4	1·5	7
8	20·5	2·5	20·1	3·4	19·9	2·9	20·8	2·8	21·0	2·1	21·9	1·9	21·0	1·0	22·0	2·1	8
9	22·5	4·0	22·4	5·9	22·1	4·3	22·4	3·8	23·0	3·6	22·7	2·4	23·2	2·4	22·5	2·8	9
10	23·4	4·4	23·0	6·4	23·1	5·4	22·0	2·9	23·9	4·6	23·2	2·2	24·5	3·5	23·4	3·2	10
11	23·0	4·3	23·8	6·8	22·9	4·9	22·0	2·8	24·4	4·8	23·7	3·1	24·8	3·7	23·5	3·1	11
Noon	23·2	4·2	24·0	6·1	24·0	6·0	22·9	3·4	24·1	4·3	24·2	3·2	24·7	2·9	23·9	3·2	Noon
13h	22·9	4·1	24·0	5·8	24·1	6·0	23·5	4·0	24·2	4·8	23·8	2·8	24·3	2·5	23·9	3·3	13h
14	23·2	3·9	24·2	6·2	23·3	5·8	23·7	4·6	24·8	4·8	24·0	3·0	24·4	2·4	23·5	3·3	14
15	23·1	4·0	23·5	6·2	22·8	5·8	21·7	2·5	24·2	4·2	24·0	3·1	24·0	2·2	23·0	2·9	15
16	22·7	3·8	23·0	5·9	22·8	5·2	21·7	2·5	24·2	4·1	23·8	3·0	24·0	2·4	22·9	2·9	16
17	21·7	3·6	22·0	5·7	21·3	4·3	22·1	2·9	23·0	3·1	22·2	1·5	23·7	2·3	22·1	2·6	17
18	20·8	2·8	20·5	4·0	20·0	3·0	20·8	2·7	21·9	2·3	21·0	0·6	22·8	1·8	21·7	2·5	18
19	20·2	2·7	19·3	3·3	19·1	2·8	20·6	2·5	21·0	1·8	21·0	0·4	22·6	1·7	21·4	2·3	19
20	20·1	2·7	19·0	2·6	19·1	2·4	20·2	2·2	20·6	1·6	21·0	0·7	22·5	1·8	21·3	2·3	20
21	19·8	2·6	19·9	2·7	19·2	2·5	20·7	1·9	20·0	1·1	21·0	0·5	21·8	1·2	21·1	2·4	21
22	19·2	3·0	20·0	3·0	18·7	2·2	20·5	2·2	20·0	1·0	20·9	0·7	21·8	1·4	20·8	2·1	22
23	18·9	2·6	19·4	2·5	18·0	2·0	20·3	1·6	20·0	1·0	20·3	0·4	21·7	1·6	20·9	2·8	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	20·3	2·2	20·1	2·1	20·7	0·9	21·7	0·8	21·7	0·2	20·0	0·7	20·8	0·7	21·5	1·2	Midnight
1h	20·3	2·3	20·3	2·3	20·8	0·8	21·7	0·8	21·6	0·4	20·7	0·6	20·6	0·6	21·3	1·2	1h
2	20·5	2·5	20·4	2·5	21·0	1·0	21·7	0·8	21·4	0·3	20·8	0·5	20·7	0·7	21·3	0·8	2
3	20·3	2·4	20·5	2·6	20·8	1·0	21·8	0·9	21·3	0·3	21·6	0·3	20·8	1·3	20·8	0·6	3
4	20·9	3·2	20·6	2·8	21·0	1·0	21·6	0·7	21·7	0·6	21·5	0·6	20·9	1·5	20·9	0·7	4
5	20·8	3·2	20·3	2·4	21·0	1·0	21·8	0·7	21·9	0·3	21·3	0·6	20·8	1·3	20·8	0·5	5
6	20·1	2·3	20·2	2·2	21·2	0·9	21·9	0·6	21·9	0·2	21·4	0·9	20·7	1·3	20·9	0·9	6
7	20·0	2·5	20·6	2·3	21·4	1·0	22·0	0·7	22·1	0·3	21·5	0·8	20·4	0·9	20·7	0·9	7
8	21·0	2·9	21·0	2·3	21·9	1·2	22·0	0·5	21·7	0·5	22·0	0·9	20·9	1·4	22·0	1·0	8
9	21·8	3·2	22·0	3·0	22·4	1·3	22·3	0·3	22·4	0·1	23·0	1·3	20·5	1·0	22·8	1·7	9
10	23·0	4·0	23·0	3·9	23·3	2·3	22·4	0·4	24·0	1·1	24·6	2·3	21·1	1·5	23·6	2·1	10
11	23·0	4·0	23·3	3·8	23·4	1·5	23·0	0·3	25·0	2·5	23·3	1·1	22·3	2·3	24·7	2·3	11
Noon	23·1	4·1	23·5	4·0	22·6	1·2	24·0	1·1	25·7	2·3	24·7	2·4	22·9	2·4	24·9	2·9	Noon
13h	23·5	4·5	23·8	4·2	21·6	0·2	24·0	1·3	26·4	3·4	24·0	1·7	23·1	2·5	24·7	2·5	13h
14	22·6	3·6	23·3	3·8	20·8	0·7	24·2	1·4	25·7	3·4	24·0	1·7	23·3	2·7	25·0	2·8	14
15	22·6	3·7	22·2	2·9	22·0	1·0	23·8	1·3	25·4	2·6	23·3	1·1	23·1	2·5	24·1	1·9	15
16	22·1	3·3	21·3	2·3	22·1	1·1	23·8	1·3	25·0	2·2	23·4	1·3	22·7	2·4	24·4	2·4	16
17	21·5	3·2	21·1	2·1	21·5	0·8	23·3	1·0	24·3	1·5	22·4	0·4	22·5	2·1	23·6	1·5	17
18	20·8	2·8	21·0	2·1	21·7	1·1	22·7	0·7	23·3	0·9	22·0	0·5	22·4	2·2	22·8	1·1	18
19	20·4	2·4	20·5	1·6	21·3	0·6	22·6	0·6	22·0	0·4	21·7	0·6	22·5	2·4	21·9	1·2	19
20	20·4	1·8	20·3	0·9	21·9	1·1	22·3	0·3	21·5	0·3	21·5	0·5	22·5	2·2	21·7	0·8	20
21	20·4	2·4	20·5	1·5	22·0	1·0	22·2	0·2	20·8	0·7	21·4	0·5	22·3	2·2	21·3	0·8	21
22	20·1	2·1	20·9	1·6	22·0	1·2	22·2	0·2	20·7	0·7	21·0	0·6	22·1	2·0	21·0	0·6	22
23	20·1	2·1	20·9	1·4	21·9	1·0	22·1	0·2	20·2	0·5	20·8	0·6	21·5	1·3	21·0	0·6	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 1935.

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	21·0	0·5	21·0	0·3	20·9	0·6	20·7	0·9	19·5	1·2	20·2	1·4	19·9	1·1	19·0	1·2	Midnight
1h	21·0	0·4	20·9	0·3	20·9	0·8	20·9	0·9	19·1	1·3	20·5	1·5	19·5	1·0	18·5	1·2	1h
2	21·4	0·7	20·8	0·3	20·8	0·7	20·9	0·9	19·2	1·5	20·2	1·5	20·0	1·1	18·3	1·1	2
3	21·3	0·7	20·9	0·4	20·6	0·6	20·1	0·8	19·3	1·3	20·3	1·6	19·8	1·2	18·3	2·0	3
4	21·2	0·5	20·0	0·6	20·6	1·1	20·1	1·1	19·6	1·4	20·0	1·0	19·5	0·9	18·6	2·5	4
5	21·1	0·4	19·9	0·7	20·0	0·8	19·9	0·9	19·5	1·4	20·0	1·2	19·5	1·2	18·3	2·4	5
6	21·3	0·4	20·0	0·4	19·3	1·0	20·0	1·0	19·6	1·0	20·0	1·4	20·0	1·8	18·5	3·0	6
7	21·1	0·5	20·1	0·4	19·2	0·8	20·0	1·0	20·0	1·3	20·0	1·7	20·4	2·4	19·0	4·0	7
8	21·6	0·6	21·0	0·7	21·9	1·6	22·2	2·1	21·0	1·5	21·3	2·1	20·8	2·2	19·8	4·5	8
9	22·7	0·9	22·6	1·6	24·4	2·1	23·5	2·9	22·7	2·1	22·5	3·3	21·7	2·7	20·8	4·8	9
10	23·8	1·1	23·3	2·2	24·9	2·6	23·6	3·4	23·4	3·0	22·5	3·3	21·9	2·9	20·7	4·6	10
11	22·8	0·5	24·0	2·2	24·9	2·7	24·8	4·3	24·0	3·4	22·9	3·7	22·0	3·3	21·7	5·6	11
Noon	22·7	0·4	24·4	2·1	25·5	3·2	25·0	4·4	24·0	3·1	23·9	4·1	22·7	3·7	21·3	4·7	Noon
13h	22·3	0·2	24·9	2·9	25·3	4·3	24·5	4·3	24·6	4·6	23·8	3·9	22·5	3·8	21·1	4·3	13h
14	21·7	0·2	25·0	3·0	25·1	4·3	25·0	4·7	24·5	3·5	23·9	4·0	22·4	3·8	18·9	1·5	14
15	22·3	0·8	25·0	3·1	25·0	3·5	24·5	4·2	24·0	3·8	23·4	4·0	22·0	4·0	18·4	1·7	15
16	22·2	0·9	24·3	2·8	24·9	3·8	24·0	4·0	23·3	3·2	22·5	2·8	21·6	4·1	19·4	2·8	16
17	21·5	0·9	23·7	2·3	23·7	2·1	22·8	3·0	22·5	2·7	21·6	2·4	20·7	3·7	19·6	3·7	17
18	21·6	0·6	22·7	1·4	23·4	1·9	21·7	2·2	21·6	2·1	21·0	1·8	20·0	3·0	18·3	3·3	18
19	21·4	0·8	22·0	0·9	22·6	1·6	20·5	1·5	21·2	2·2	20·2	1·4	19·7	3·4	17·3	2·1	19
20	21·4	0·5	21·9	0·8	21·9	1·1	19·6	1·5	20·8	1·6	20·4	1·4	19·1	3·1	17·9	2·9	20
21	21·4	0·4	21·7	0·7	21·9	1·4	20·3	1·6	20·7	1·4	20·1	1·3	19·4	3·4	17·3	2·5	21
22	21·3	0·4	21·8	0·8	21·0	1·0	20·1	1·4	20·6	1·3	19·7	1·6	19·3	3·3	17·3	2·2	22
23	21·1	0·3	20·9	0·9	20·3	0·7	20·0	1·3	20·0	1·1	19·9	1·6	19·4	2·3	17·3	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.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day / Hour.
Midnight	17·9	2·4	19·0	3·5	18·7	2·1	19·2	2·2	19·5	3·3	18·5	1·5	...	...	19·9	1·4	Midnight
1h	17·0	1·8	19·0	3·2	18·3	1·8	18·7	2·2	18·0	2·0	18·1	1·5	...	...	19·7	1·3	1
2	17·8	3·4	18·0	1·9	18·4	1·6	18·8	2·2	18·0	1·7	19·3	1·9	...	...	19·9	1·4	2
3	17·2	2·1	17·7	1·7	18·3	1·1	18·9	2·4	18·0	1·9	19·1	1·5	...	...	19·8	1·4	3
4	16·7	1·8	17·7	1·9	17·9	1·2	18·6	2·2	17·9	1·1	18·4	1·4	...	...	19·8	1·5	4
5	16·7	2·4	17·4	1·6	17·9	1·1	18·3	1·9	17·6	1·4	18·8	1·5	...	...	19·7	1·4	5
6	18·0	3·9	16·5	1·3	18·0	1·0	18·4	2·0	18·0	1·0	19·0	2·1	...	...	19·7	1·5	6
7	17·2	1·8	17·6	2·0	18·0	1·0	18·5	1·4	18·0	1·1	18·3	2·0	...	...	19·8	1·6	7
8	18·0	2·3	18·3	2·0	18·5	1·4	19·6	2·5	19·6	1·6	20·4	2·4	...	...	20·8	1·9	8
9	19·4	3·4	20·6	3·8	20·2	2·4	22·0	4·2	21·5	2·4	22·3	3·8	...	...	22·2	2·8	9
10	20·0	3·2	22·3	4·9	20·7	1·7	22·9	4·7	23·4	5·1	23·4	4·9	...	...	22·9	3·2	10
11	20·7	3·4	20·3	2·9	19·7	0·6	24·0	5·3	24·1	6·0	24·2	4·9	...	...	23·2	3·3	11
Noon	22·9	4·5	22·5	4·5	20·7	1·9	23·0	4·3	24·0	5·5	24·4	5·8	...	...	23·6	3·5	Noon
13h	22·1	5·8	22·0	4·4	21·0	1·7	23·1	4·8	24·3	6·1	24·7	5·8	...	...	23·6	3·7	13h
14	22·0	5·5	20·0	2·4	20·9	1·9	23·3	5·3	24·3	5·9	24·6	5·8	...	...	23·4	3·5	14
15	21·9	5·5	20·8	3·2	21·7	2·7	23·1	5·1	22·9	4·4	24·1	5·8	...	...	23·1	3·4	15
16	20·9	4·5	19·0	2·0	21·0	2·1	22·9	4·9	23·0	4·7	23·4	5·3	...	...	22·7	3·1	16
17	19·3	2·7	18·1	1·3	19·0	0·9	21·8	3·8	22·3	3·7	21·3	4·0	...	...	21·9	2·6	17
18	19·5	3·5	18·3	1·6	19·2	1·4	21·0	3·2	20·3	2·3	19·1	2·1	...	...	21·1	2·0	18
19	19·2	2·8	18·8	1·8	19·0	1·3	20·7	3·6	19·6	2·1	18·2	1·9	...	...	20·6	1·8	19
20	19·0	4·0	19·0	2·5	19·4	1·7	20·9	3·1	19·3	1·8	17·0	1·4	...	...	20·5	1·8	20
21	18·8	3·6	18·7	1·7	20·3	2·9	20·9	3·7	19·5	1·8	16·6	1·3	...	...	20·4	1·7	21
22	19·1	3·1	18·4	2·0	20·7	3·4	19·9	3·7	19·0	1·5	16·7	1·2	...	...	20·2	1·7	22
23	19·3	3·8	18·6	1·6	19·5	1·9	20·1	3·4	19·0	1·3	16·9	1·1	...	...	20·0	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 JUNE 1935.

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 1935.

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	14	1·4	14	2·5	13	0·9	13	1·6	11	3·2	11	2·3	11	1·4	12	1·9	12	4·6	12	5·2	11	3·5	09	4·4	10	1·5	10	0·7	09	6·2	07	2·8
1h	14	1·9	14	1·5	13	1·3	13	1·7	11	3·0	12	3·1	11	1·0	14	1·6	13	4·7	12	5·4	10	3·1	09	4·4	10	1·9	10	1·5	09	5·9	05	3·4
2	15	2·5	14	2·5	12	1·7	16	1·7	11	4·0	12	3·6	11	1·0	14	1·8	13	6·3	12	4·6	10	4·4	09	4·5	10	1·6	10	1·1	11	5·3	08	2·5
3	16	1·1	14	2·7	12	3·2	14	3·0	11	3·1	11	2·5	13	1·8	14	1·1	13	6·1	12	5·5	09	5·1	10	4·1	10	1·7	10	4·4	09	6·0	08	3·4
4	12	3·1	13	4·6	12	2·4	13	2·3	11	3·5	10	2·2	13	1·2	12	2·5	13	5·8	12	5·1	09	4·9	10	5·1	10	1·5	12	5·8	09	6·7	09	3·0
5	13	1·0	13	2·7	11	3·1	12	3·1	11	3·3	11	2·6	13	0·7	13	2·6	13	5·2	11	4·9	09	4·4	09	4·3	10	1·3	12	5·9	09	5·7	06	2·3
6	13	3·1	12	4·2	12	2·8	12	2·1	11	3·5	11	3·0	13	1·2	12	2·6	12	4·2	11	4·2	10	4·3	09	4·9	10	1·2	12	6·3	09	5·6	04	3·0
7	14	4·0	12	2·9	12	1·8	12	2·6	11	4·9	11	3·1	13	1·6	12	2·4	13	4·4	12	4·8	09	4·0	09	3·9	10	0·9	11	5·8	09	5·5	07	2·1
8	14	5·9	12	3·1	12	1·1	12	3·8	10	2·5	11	3·1	12	1·8	13	3·6	13	5·0	12	5·2	09	6·2	08	3·8	05	1·4	10	5·5	09	5·6	07	3·0
9	13	4·1	11	5·0	12	4·5	11	6·9	10	6·1	11	3·7	12	1·9	13	3·7	13	7·1	11	5·4	09	6·0	06	3·7	09	1·8	10	6·2	09	5·6	06	3·9
10	14	6·0	11	5·9	12	6·0	10	5·8	10	5·9	09	3·0	12	2·1	13	3·9	12	6·8	10	7·0	08	6·1	10	3·6	08	2·1	10	6·8	09	5·2	06	3·9
11	14	6·7	11	6·4	13	6·0	12	6·1	09	6·0	09	3·6	11	1·8	13	4·4	13	7·9	10	7·9	08	6·3	11	4·4	09	2·1	09	6·9	08	4·9	06	3·7
Noon	14	7·3	12	6·5	11	6·2	11	5·7	10	5·1	07	3·5	22	1·3	13	5·0	13	7·9	11	8·4	08	5·1	11	5·7	08	2·4	10	7·3	08	5·4	06	3·8
13h	14	6·4	13	6·7	11	6·1	11	6·0	10	5·2	07	3·3	22	1·3	13	5·6	12	7·7	10	7·3	09	5·8	11	5·3	08	2·4	09	6·9	08	5·4	03	3·4
14	13	6·3	12	6·1	11	6·2	11	6·6	09	5·1	06	3·2	22	1·1	13	6·1	10	8·0	09	7·3	08	5·6	06	4·6	07	3·0	08	5·5	06	6·3	04	3·8
15	14	6·0	13	6·1	12	5·3	11	6·1	09	4·8	08	2·9	22	1·1	12	5·6	13	6·6	10	6·0	10	5·9	09	4·5	06	2·5	10	5·5	08	5·0	06	2·8
16	15	6·0	12	5·2	11	4·8	11	5·1	10	4·5	08	3·0	22	1·0	13	5·6	12	6·2	10	4·6	09	6·1	08	3·9	08	2·0	09	5·4	06	4·2	03	3·1
17	14	4·8	12	3·9	12	3·2	11	5·0	10	4·6	12	2·0	22	1·1	13	6·1	12	5·6	12	5·4	08	5·5	08	3·1	07	1·4	09	5·3	08	3·8	08	1·7
18	16	2·2	12	1·5	12	2·9	11	4·1	11	2·9	10	1·8	13	1·2	11	4·8	12	5·3	12	4·4	08	4·5	09	3·4	09	0·9	10	4·7	08	4·0	08	1·1
19	12	3·2	14	1·2	12	2·0	11	3·4	11	2·6	11	1·3	13	1·6	13	3·3	12	5·6	10	4·2	09	4·6	09	2·2	07	0·9	10	4·5	09	4·4	08	1·4
20	14	3·4	14	1·8	12	2·2	11	3·4	11	2·6	11	1·5	16	1·7	13	6·5	12	5·5	09	4·9	09	4·4	10	2·1	07	1·3	10	5·4	09	3·1	08	1·4
21	13	2·2	12	2·4	12	2·0	12	4·2	11	2·4	09	1·3	12	1·6	13	5·6	11	5·5	11	5·4	10	5·2	10	2·5	10	1·2	11	4·8	08	3·9	08	1·3
22	13	2·5	12	4·5	12	1·9	11	3·0	11	1·8	09	1·1	12	1·8	13	4·4	11	5·7	10	4·6	09	5·0	10	1·9	10	0·9	09	5·1	08	3·6	08	1·3
23	14	2·7	13	1·5	12	2·0	11	3·7	11	2·0	09	0·7	12	1·8	13	5·1	12	5·7	10	4·3	09	4·4	10	1·8	11	1·1	09	6·2	09	3·8	08	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	08	1·1	16	0·8	10	2·7	11	1·6	12	1·8	12	2·5	12	3·2	11	5·3	09	5·1	11	4·0	11	3·5	08	4·3	10	3·1	10	1·9	...	...	2·8
1h	08	1·5	16	1·1	10	2·5	11	1·6	12	1·9	11	2·9	10	2·8	12	4·6	11	4·1	09	4·1	11	3·1	10	2·6	10	2·2	11	2·4	..	...	2·8
2	04	1·1	16	0·6	08	2·8	11	1·3	12	2·5	12	2·6	12	4·0	12	4·4	10	4·4	09	3·1	11	3·3	10	3·2	11	2·0	11	2·5	...	...	2·9
3	05	1·6	16	1·0	10	2·3	11	1·2	12	2·3	13	3·3	11	5·3	12	5·1	12	6·3	13	2·0	11	3·4	10	3·2	11	2·5	12	3·4	...	...	3·3
4	09	1·7	08	1·9	10	1·7	11	1·8	11	3·0	11	3·5	11	5·0	13	6·7	12	5·8	12	3·8	11	3·5	10	3·4	11	2·2	12	2·4	...	...	3·5
5	07	1·5	13	1·3	10	1·6	11	1·8	11	2·6	11	2·7	11	4·5	12	6·3	09	1·5	12	3·7	12	4·0	10	2·9	12	2·2	11	3·9	...	...	3·1
6	11	1·6	01	0·9	10	1·8	11	2·1	12	2·7	12	1·8	12	4·4	13	5·8	11	4·1	12	2·5	10	4·4	10	3·5	13	3·8	12	3·5	...	...	3·3
7	12	1·8	01	1·1	10	1·8	11	2·0	12	3·1	12	2·6	13	4·3	10	5·7	10	3·9	11	4·8	10	3·4	11	2·9	13	1·8	12	2·9	...	...	3·2
8	10	2·0	01	1·6	10	1·6	10	2·6	10	3·7	12	3·1	12	2·7	12	5·7	09	4·8	12	3·5	11	3·7	11	2·5	11	2·6	12	2·5	...	...	3·4
9	11	1·8	11	4·2	10	2·8	10	3·2	11	5·3	12	4·8	13	5·8	12	8·0	08	4·6	11	4·4	10	5·7	09	4·6	08	3·3	10	2·9	...	...	4·6
10	17	1·1	11	2·1	09	3·4	09	4·5	11	5·0	12	6·1	12	6·6	11	6·7	10	7·0	10	5·7	11	6·1	09	5·5	09	3·7	10	3·3	...	...	4·9
11	02	1·8	10	3·2	11	4·0	09	5·0	11	5·3	12	5·6	14	6·9	11	7·4	11	6·6	08	5·0	09	7·0	09	6·5	09	5·0	09	3·6	...	...	5·3
Noon	20	2·1	11	4·1	11	3·9	10	4·4	10	5·7	12	6·3	12	7·1	11	7·4	09	6·9	09	5·6	11	6·3	09	6·7	09	5·1	10	3·3	...	...	5·4
13h	18	1·9	09	3·2	07	4·3	10	4·4	09	6·2	13	6·8	12	7·4	11	7·6	09	7·5	10	5·5	11	6·4	09	6·9	07	4·5	09	3·2	...	...	5·4
14	13	0·9	09	4·4	09	3·1	09	4·6	10	6·3	12	5·9	13	7·2	10	6·3	09	6·7	11	5·7	11	6·5	09	6·3	09	4·1	07	2·8	...	...	5·2
15	08	1·8	09	4·1	10	3·4	11	4·5	12	5·9	13	4·7	13	7·5	12	6·4	09	6·5	09	5·9	10	5·8	07	6·0	10	4·4	10	3·2	...	...	4·9
16	09	2·4	10	3·9	10	3·1	11	4·0	10	5·5	13	3·9	12	7·4	11	6·1	09	6·5	10	5·5	10	6·5	09	5·4	09	4·4	10	2·8	...	...	4·6
17	08	1·8	10	2·8	11	2·3	12	2·9	12	5·3	12	3·3	12	6·5	12	5·7	10	5·1	12	4·4	10	5·5	09	6·0	09	3·8	10	2·0	...	...	4·0
18	08	0·9	11	2·0	11	2·0	12	2·2	10	4·1	10	3·5	12	5·2	12	4·8	10	4·6	10	4·4	10	5·5	09	4·8	09	3·3	10	1·8	...	...	3·3
19	11	1·7	11	2·6	11	2·6	12	1·5	11	4·1	11	2·8	12	5·7	10	4·4	11	4·6	09	5·0	08	5·7	08	4·7	09	3·4	11	1·4	...	...	3·2
20	11	1·2	11	2·5	11	1·7	12	1·5	10	3·5	12	3·1	12	4·4	10	5·7	11	4·4	11	4·4	09	4·4	08	4·2	10	2·6	11	2·0	...	...	3·2
21	11	1·2	10	2·5	11	1·4	12	2·3	08	2·4	10	2·6	12	3·8	10	4·9	11	3·6	12	4·4	09	3·4	09	4·4	11	2·2	11	2·4	...	...	3·1
22	16	1·1	07	2·9	11	1·5	12	2·2	11	2·8	12	1·8	12	2·7	10	4·5	10	4·1	11	3·5	08	6·0	09	3·9	10	2·5	11	2·2	..	...	3·0
23	16	0·8	11	2·6	11	1·5	12	1·8	11	2·8	12	2·4	12	4·8	10	4·4	11	3·5	10	3·6	10	4·7	09	4·5	08	1·3	13	1·6	...	...	2·9

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), JUNE, 1935.

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	...	4	26	...	...	1	..	3	5	16	3	2	...	...	...	...	...	...	...
9	...	9	21		...	...	2	6	6	16	...	...	...	...	...	...	...	...	...
15	...	15	15	...	...	...	2	10	7	10	...	...	...	...	1	...	...	...	...
21	...	2	28	...	...	...	...	6	6	18	...	...	...	...	...	...	...	...	...
Totals	...			...	...	1	4	25	24	60	3	2	...	...	1	..	...	...	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JUNE 1935.

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

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR JUNE, 1935.

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	0·4	...	...	0·8	0·2	...	...	...	..	...	...	0·6	0·8	0·2	...	1·6	0·2	...	..	...
2	...	...	...	...	...	...	...	..	...	0·2	...	...	...	2·5	1·2	...	...	...	...	...	...	...	1·1	0·9	1·0	...	0·7	0·2	...	..	...
3	...	...	...	...	...	...	...	...	...	...	.	0·4	...	32·8	1·2	...	...	...	...	...	...	...	0·7	0·8	...	0·5	0·8	...	...	...	...
4	...	...	...	...	...	...	...	...	..	0·1	0·3	0·5	...	14·3	0·3	0·1	...	...	...	...	...	...	2·3	0·4	2·5	0·9	1·3	...	...	...	...
5	..	...	...	...	...	..	...	0·4	...	..	0·5	0·2	...	3·5	0·8	0·3	...	...	...	...	...	...	1·6	0·2	...	..	0·5	...	...	...	...
6	...	...	...	...	..	...	...	...	...	..	0·3	0·2	...	0·5	0·7	0·4	...	3·5	...	...	...	0·6	0·7	0·7	0·3	...	1·7	0·3	0·9	...	...
7	...	...	...	...	...	...	...	...	...	0·3	1·0	0 6	0·4	1·0	0·2	...	...	...	...	...	0·3	0·2	1·3	...	...	...	0·2	0·1	...	...	...
8	...	...	...	...	...	...	...	...	...	0·5	...	2·0	1·2	1·5	0·6	...	...	...	...	...	...	...	0·6	...	..	0·4	1·3	...	...	...	...
9	.	. .	...	...	...	...	..	...	...	...	0·5	1·6	2·4	0·5	0 5	...	...	...	...	...	0·3	...	0·3	...	...	...	0·8	...	...	...	...
10	...	...	..	...	...	..	.	...	..	0·6	0·4	4·4	...	...	...	...	...	...	..	...	...	...	...	...	0·8	...	..	...	...	...	...
11	...	...	...	...	...	...	...	...	...	0·5	0·4	2·4	...	0·9	...	...	...	...	...	...	...	..	...	...	0·3	...	0 6	...	...	...	..
Noon	...	...	...	...	...	...	...	...	...	...	1·2	...	...	0·4	...	..	...	...	...	...	...	...	...	...	0·4	...	1·3	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	0·2	0·3	...	...	...	...	1·8	...	...	...	0·4	...	...	0·7	0·1	...	0·8	...	...	...	...
14	...	...	...	...	..	...	...	..	...	...	0·3	...	0·1	1·2	...	...	1·0	...	...	...	...	...	...	1·3	...	..	1·1	...	...	...	..
15	...	...	...	...	...	.	...	...	0·4	...	1·6	0·3	3·7	...	...	..	...	...	...	...	...	...	...	0·2	...	...	0·2	...	...	...	...
16	...	...	...	...	...	...	...	...	0·3	...	0·9	0·5	...	...	...	...	...	...	...	...	...	..	...	...		0·8	0·3	...	...	...	...
17	...	...	...	...	...	...	...	...	.	0·2	1·4	0·3	...	...	...	...	...	...	...	...	0·1	0·4	...	..	0·1	0·5	0·5	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	1·5	0·5	...	...	...	...	...	...	...	..	...	0·3	...	0·1	...	0·6	0·2	...	...	...	...
19	...	...	...	...	...	...	...	0·3	0·6	0·2	0·6	0·6	...	0·3	...	...	...	...	...	...	...	0·1	...	0·1	...	0·3	1·3	...	0·4	...	...
20	..	...	...	...	...	...	...		...	...	3·9	0·4	...	0·2	...	...	...	...	...	..	..	0·3	...	.	...	..	...	...	..	...	...
21	...	...	...	...	...	...	...	0·1	0·5	...	0·6	...	...	0·9	...	.	...	...	...	...	0·2	0·4	..	...	...	.	...	...	..	...	...
22	Amount measured					...	...	0·6	0·1	0·2	...	...	...	6·8	...	...	...	...	...	...	1·9	0·3	0·3	...	0·5	0·5	1·2	...	...	...	...
23	at 10 a.m.					...	...	0·1	...	...	...	...	...	0·2	...	..	...	...	...	...	0·6	0·3	...	0·5	0·5	0·2	0·4	...	...	...	...
24	5·4	...	1·8	0·1	2·0	...	...	0·1	0·1	0·2	...	...	...	1·2	0·4	...	...	...	...	..	...	...	0 4	0·1	...	0·2	0·5	...	0·2	.	. .

* From this date a continuous record was obtained by a Casella registering Raingauge.

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of JUNE, 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	5·53	140·5	2·41	13
*	St. Antoine	50	4·81	122·2	2·40	14
*	Belmont	50	4·81	122·2	2·85	14
*	Poudre d'Or	20	5·26	133·6	2·74	14
	Mon Loisir S. E.	300	...	...	3·91	...
	Forbach	300	3·51	89·2	2·55	13
*	Couroupa...	...	5·23	132·9	2·43	15
*	Labourdonnais	290	4·21	107·0	3·02	11
	Mapou	...	5·31	134·9	...	11
	Beau Séjour	300	4·66	118·4	4·05	18
	Mont Piton	650	5·90	149·9	4·59	18
	Mon Choix	700	4·72	119·9	4·36	14
	Antoinette	640	6·17	156·7	4·20	23
	Mon Songe	620	6·60	167·6	4·49	17
	Botanical Gardens... ...	325	7·68	195·1	3·01	19
*	The Observatory	179	4·80	121·8	2·41	17
	Solitude	175	5·24	133·1	1·38	13
	Triolet	...	...	...	...	...
	St. André	90	4·60	116·8	1·87	8
	La Nicolière	...	7·45	189·2	5·42	21
	California	...	8·54	216·9	4·71	14
	Australia	...	...	...	.	...
2 & 3	Union Réguard S.E.(Flacq)...	600	6·80	172·7	5·04	24
	Constance d'Arifat L.G. ...	100	5·52	140·2	4·18	26
	Rich Fund	600	6·65	168·9	4·57	25
	La Joffrette	...	8·26	209·8	...	22
	Belle Vue (Allendy) ...	...	5·38	136·7	3·74	21
4 *	Sans Souci	900	15·40	391·2	10·16	29
	Beau Champ (G.R.S.E.) ..	20	6·33	160·8	4·10	23
	Olivia	400	7·85	199·4	6·03	26
	Trois Ilots	...	6·83	173·5	...	24
	Belle Rive	400	11·89	302·0	6·27	27
	Sébastopol	700	15·98	405·9	...	23
	Bonne Veine	400	12·87	326·9	6·55	24
5	Rose Belle	850	13·69	347·7	8·31	25
	New Grove	650	9·44	239·8	...	19
	Mon Trésor	...	8·70	221·0	...	21
	Mon Désert (Carié) ...	75	5·61	142·5	3·78	15
	Ferney	20	8·82	224·0	6·20	24
	Sauve Terre	...	5·12	130·0	...	16
6	Tivoli	1,300	7·61	193·3	13·67	28
	La Flora...	1,050	9·49	241·0	14·06	25
6	Riche Bois (Brit.) ...	650	9·40	238·8	5·87	22
	Britannia (Estate) ...	700	11·22	285·0	8·19	24
	Savannah (Mill) ...	200	5·16	131·1	4·81	18
	St. Aubin	300	4·45	113·0	4·94	18
	St. Avold	900	13·02	330·7	7·72	24
	Colmar	400	9·70	246·4	6·75	23
	Union S. E.	...	4·55	115·6	3·37	16
	Fontenelle	320	6·32	160·5	4·61	13
	Choisy	200	5·84	148·3	3·25	17
	Beau Bois	...	10·32	262·1	8·51	22
	Bel Air	...	5·34	135·6	3·42	16
	St. Félix	...	7·96	202·2	...	16
7,8,9&10	Bel Ombre	40	5·43	137·9	3·64	16
	Beau Champ (B. du Cap)	70	5·08	129·0	3·05	14
	Fréléric a	...	6·47	164·3	...	17
	Pierre Fond	...	3·41	86·6	1·11	14
	Ste. Marie	...	7·25	184·2	...	14
	Hussonia Limited .	...	0·88	22·4	...	8
11	Curepipe Gardens ...	1,840	12·93	328·4	7·55	30
	Mare aux Vacoas (G.E.)	1,850	13·56	344·4	7·79	25
	Mare aux Vacoas (Arn.)	1,830	17·13	435·1	10·62	25
	La Marie Filter Bed ..	1,700	8·72	221·5	6·20	23
*	Sophie	...	13·63	346·2	...	24
	Réunion	1,420	7·73	196·3	4·60	20
*	Aerological Station ...	1,393	7·36	187·0	3·85	24
	Phœnix	...	5·44	138·2	3·77	16
	Quatre Bornes... ...	...	4·49	114·0	...	15
12	Quatre Bornes (Board) ...	1,090	3·70	94·0	...	10
*	Le Réduit (D. of A.) ...	1,000	3·67	93·3	2·33	28
	Alma...	1,460	11·91	302·5	7·84	21
	Bagatelle	1,250	7·93	201·4	4·33	19
	Highlands	1,300	10·19	258·8	4·78	19
	Trianon	950	3·58	90·9	2·71	16
	Val Ory	1,100	...	...	3·10	...
	Bassin	...	3·54	89·9	1·35	15
	Hermitage	1,450	11·35	288·3	7·10	18
	Ebene	...	4·23	107·4	...	17
	Bega...	...	3·47	88·1	...	17
	Mon Rêve	...	5·10	129·5	...	18
	Mont Pevril	...	5·17	131·3	...	17
	Minissy	1,150	5·82	147·8	3·00	18
	Plaisance	...	7·16	181·9	...	18
	La Ferme	350	1·50	38·1	1·35	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 JUNE 1935.

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	11¼	...	...	145	15·1*	148	12·8*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	14	81	14·7*	71	7·6*	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	13¼	86	32·4*	...	...	...	...	...	...	...	...	...	...
13	11¾	...	...	...	...	315	...	...	...	...	...	...	...	13¾	86	8·8*	32·1	1·0*	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	101	24·9*	...	...	11	0·9*	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	12	75	12·9	90	18·8	...	...	...	...	...	...	...	...	15¼	90	19·3	90	11·4	...	...	...	...	...	...	...	...*
19	...	...	...	...	...	...	...	...	...	...	...	...	...	13¾	...	...	176	1·2*	...	...	206	0·4*	...	...	206	0·5
20	9	105	38·7	105	19·7	...	...	...	...	...	...	285	2·6	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	11¼	178	4·4*	139	25·7*	...	...	...	...	...	...	...	...	13½	146	12·9*	149	10·6*	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	11½	...	...	92	8·3*	191	7·7*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	11¼	86	6·4*	118	5·3*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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 milliradians per sec

* Observatory Pamplemousses.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JULY, 1935

M. HERCHENRODER, B. Sc.

Acting 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 JULY 1935.

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	Daily Range† Vertical Force
					Unit 1 γ	
JULY	° ′			′		
1	12°59·4	·22517	·29671	7·0	29	44
2	59·8	521	676	3·5	27	14
3	59·8	522	675	4·0	44	18
4	60·2	522	675	5·8	25	24
5	59·9	522	675	4·0	17	20
6	60·4	525	676	6·2	21	18
7	60·1	528	677	4·0	30	9
8	60·2	497	682	4·5	142	18
9	60·4	513	682	3·3	54	15
10	60·2	515	681	4·0	21	12
11	60·1	520	681	3·9	37	11
12	60·1	528	682	3·3	33	10
13	60·0	531	681	3·5	27	13
14	60·7	531	681	6·5	24	25
15	60·0	529	679	4·8	43	18
16	60·3	525	681	4·5	23	24
17	60·4	534	682	5·0	17	20
18	59·9	537	680	3·5	27	22
19	60·5	523	685	4·2	57	20
20	59·8	531	682	5·5	20	13
21	60·8	539	682	6·7	38	10
22	60·3	527	680	8·0	47	17
23	60·7	532	680	6·8	65	23
24	60·5	521	682	7·0	60	18
25	59·7	500	681	8·7	77	25
26	61·0	497	688	6·3	75	15
27	60·7	520	684	3·0	25	6
28	60·7	518	681	5·0	17	26
29	60·6	517	680	6·0	21	25
30	60·7	513	683	5·3	19	24
31	...	...	...	...	...	...
Mean	13°00·26	·22522	·29680	5·13	38·7	18·1

Description of the Principal Magnetic Disturbances.

The month was quiet on the whole.

Declination.—8d. Slight indications of a disturbed day on the trace. 26d, at 0^h. small positive wave of 2^l.

Horizontal Force.—8d. $1^h.10^m$ Sudden commencement of a moderately disturbed period which gradually dies down on 9d. Sharp and rapid oscillations of small amplitude between 9^h. and 11^h. Large decrease in force from 9^h. till $16^h.30^m$. 9d. Oscillations of small amplitude. 14d. $19^h.30^m$. Sudden commencement of a very short and slightly disturbed period. Small positive peak (18γ) at $19^h.30^m$. followed by faint pulsations. 19d. Slightly disturbed. 22d. Slightly disturbed. 23d. $2^h.15^m$. positive wave of 20γ followed by faint pulsations. 24d. Slightly disturbed during second half. 25d. Disturbed throughtout the day. Sudden commencement at $0^h.25^m$. with a sharp positive peak of 22γ. At $2^h.20^m$. large positive wave of 45γ followed by irregular fluctuations of lesser importance. 26d. 0h. to 6^h. end of the disturbed period.

Vertical Force.—8d. and 9d. frequent small pulsations on the trace. 14d. $19^h.30^m$. sharp positive peak of 10γ. 25d. Disturbed throughout the day. $0^h.35^m$. Sudden commencement with a sharp positive peak at $2^h.30^m$. negative wave 10γ followed by small irregular pulsations. 26d. 0^h. to 6^h. end of the disturbed period.

T=·37257. Mean Dip=52° 48′·50: (X=·21944: Y=−·05068: Z=·29680).
† 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 1935.

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	° ′	
JULY 5·11·57	13 01·28	JULY 1· 9·16	·22528	JULY 5·11·40	52·48·63	·29687
15·13·18	13 00·54	4· 9·37	·22536	15·13·33	52·47·50	·29677
23·13·49	12 57·45	9· 9·17	·22526	23·14·01	52·48·87	·29666
		11·11·50	·22532			
		17· 9·55	·22540			
		22· 9·26	·22543			
		26· 9·40	·22511			
		29· 9·13	·22515			

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

JULY 1935.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	12° +																
Midnight	59·5	59·3	59·7	60·0	60·2	60·2	60·0	60·5	61·5	60·5	60·0	60·5	60·5	60·2	60·0	60·5	Midnight
1h	59·5	59·5	59·5	60·0	60·0	60·0	59·8	60·0	61·0	60·3	60·0	60·5	60·0	60·3	60·0	60·5	1h
2	59·5	59·3	59·5	60·3	59·7	60·0	59·7	60·5	60·7	60·0	60·0	60·3	60·0	60·5	60·0	60·5	2
3	59·7	59·5	59·8	60·2	59·7	59·8	60·0	60·5	60·5	59·0	60·0	60·3	60·0	60·3	58·5	60·3	3
4	59·7	59·8	59·8	60·3	60·0	60·0	60·0	59·5	60·3	59·7	60·0	60·0	60·0	60·0	59·3	60·0	4
5	59·5	59·5	59·7	60·0	60·0	60·2	60·0	59·5	60·3	59·7	60·0	60·0	60·0	59·8	59·5	59·5	5
6	59·0	59·0	59·5	60·0	59·7	60·0	60·0	59·7	60·3	59·3	59·8	59·5	59·7	59·7	59·5	59·5	6
7	58·0	58·5	58·0	58·5	59·0	59·5	59·3	58·7	59·5	58·5	58·5	58·5	58·5	59·0	58·5	58·3	7
8	57·3	56·3	57·5	58·0	59·3	59·0	59·5	59·0	58·7	58·3	59·0	57·7	58·3	60·0	57·7	59·0	8
9	58·5	58·5	58·5	59·5	60·0	60·0	60·0	60·0	60·0	59·0	59·5	59·0	60·0	61·5	59·3	60·0	9
10	60·7	59·7	60·5	60·7	61·0	62·0	61·5	61·0	60·7	60·5	61·0	60·0	61·0	63·5	61·0	61·0	10
11	61·7	60·7	61·3	62·5	62·0	63·5	61·7	61·0	61·5	61·0	62·2	60·6	61·5	64·7	62·0	62·5	11
Noon	62·0	61·8	61·5	63·5	61·0	63·7	61·0	59·5	61·3	62·3	62·0	61·0	61·5	65·0	62·5	62·3	Noon
13h	60·0	61·5	60·7	62·5	59·5	62·0	60·3	58·0	60·0	61·5	60·0	61·0	61·0	63·0	61·0	63·0	13h
14	58·0	61·3	59·0	60·0	58·7	60·0	59·5	58·5	59·0	60·5	59·0	61·0	59·5	61·0	59·0	61·0	14
15	55·0	59·5	59·5	57·7	58·3	58·5	59·0	59·0	58·7	60·0	58·3	60·5	58·5	58·5	58·0	58·5	15
16	56·7	58·5	58·3	57·7	58·0	57·5	57·7	59·0	59·0	59·3	58·5	58·7	58·0	58·5	58·5	58·0	16
17	59·3	59·0	59·5	59·5	59·0	59·5	59·0	60·0	60·5	59·5	59·5	59·3	59·5	59·3	60·0	59·5	17
18	50·5	60·3	60·5	60·5	60·3	60·7	60·0	60·0	61·5	60·7	60·5	60·5	60·3	60·0	60·7	60·5	18
19	60·3	60·5	60·7	60·7	60·5	61·3	60·7	61·0	62·0	61·0	61·0	60·5	60·5	60·5	61·0	61·0	19
20	60·3	60·3	60·5	61·0	60·5	61·3	61·0	62·3	61·0	61·2	61·5	60·7	60·5	60·0	60·7	60·7	20
21	60·0	60·5	60·5	60·7	60·7	61·0	61·0	62·3	61·0	61·0	61·0	60·7	60·5	60·3	60·7	60·7	21
22	60·0	60·5	60·3	61·0	60·7	60·7	61·0	62·5	61·0	60·7	61·0	60·7	60·5	60·3	60·7	60·5	22
23	60·0	60·0	60·0	60·3	60·5	60·2	60·7	62·0	60·7	60·5	60·7	60·5	60·5	60·3	60·5	60·3	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	12° +																
Midnight	60·0	60·0	60·0	60·0	60·3	60·7	60·7	61·0	61·0	63·5	60·7	61·0	61·0	62·3	*	60·5	Midnight
1h	60·0	60·0	59·8	59·7	60·0	60·5	61·0	61·0	60·3	62·0	60·5	61·0	60·7	62·0	...	60·3	1h
2	60·0	60·3	60·0	59·5	60·0	60·5	61·5	61·0	60·7	62·0	60·7	61·7	61·3	61·7	...	60·4	2
3	60·0	60·3	60·3	59·3	60·0	60·5	60·0	60·5	56·0	62·0	60·7	61·0	61·0	61·5	...	60·0	3
4	60·0	60·0	60·3	59·5	60·0	60·2	61·0	60·7	60·5	61·0	60·5	60·7	61·0	61·3	...	60·2	4
5	60·0	59·5	60·3	58·7	60·0	60·0	60·3	60·3	58·0	61·5	60·5	60·5	60·7	61·0	...	60·0	5
6	59·5	59·3	60·5	59·3	60·0	60·3	60·0	61·0	59·3	61·0	60·3	60·3	60·5	60·5	...	59·9	6
7	58·5	58·5	59·0	58·5	60·0	60·5	60·2	60·0	60·0	60·7	59·3	60·0	60·0	60·0	...	59·1	7
8	58·7	58·5	59·5	59·0	61·0	61·0	61·0	61·0	61·5	61·5	59·5	60·3	60·5	60·5	61·5	59·3	8
9	60·5	59·5	60·5	61·0	63·5	63·0	63·0	63·0	61·3	63·0	61·5	62·0	62·0	61·7	63·0	60·6	9
10	63·0	60·7	61·0	62·5	64·7	64·0	63·8	63·5	63·0	64·0	62·3	61·5	62·5	62·0	63·0	61·9	10
11	63·3	61·0	61·7	62·5	64·0	62·5	62·5	61·5	61·0	63·0	61·5	63·0	62·2	61·7	62·0	62·1	11
Noon	63·0	60·0	61·5	59·5	61·0	60·0	61·5	58·5	57·5	61·5	61·5	60·5	60·0	61·5	59·0	61·3	Noon
13h	61·5	58·5	59·7	58·0	59·5	56·0	58·5	57·3	56·5	60·0	60·3	58·5	59·0	60·5	58·0	60·0	13h
14	60·0	58·0	58·3	57·5	58·0	56·0	57·0	56·5	55·0	58·0	60·0	58·5	56·5	58·0	57·5	58·7	14
15	58·3	58·0	58·5	57·0	58·5	56·5	57·0	57·3	54·3	57·7	59·8	58·7	57·0	57·0	57·3	58·1	15
16	58·5	58·5	59·5	58·0	59·0	58·5	58·0	58·3	55·5	59·0	60·0	59·0	58·5	57·5	58·0	58·3	16
17	60·0	60·5	61·0	60·0	60·0	60·3	60·0	60·0	58·5	60·0	61·0	59·5	59·2	60·0	60·0	59·7	17
18	61·0	61·3	62·0	61·0	61·3	61·0	61·5	61·0	61·0	60·5	61·2	61·0	61·0	61·0	61·0	60·8	18
19	61·3	61·5	62·5	61·3	61·7	61·0	61·8	61·3	61·0	60·7	61·0	61·7	61·8	61·5	61·0	61·1	19
20	61·3	61·0	62·3	61·3	62·0	61·2	61·7	61·5	61·5	60·7	61·0	61·5	61·5	61·7	61·0	61·1	20
21	60·7	60·7	61·5	61·0	62·0	61·5	61·5	62·0	62·7	60·7	61·0	61·3	61·5	61·0	61·0	61·1	21
22	60·5	60·5	61·0	60·5	61·5	61·5	61·5	62·0	62·5	61·0	61·0	61·3	61·7	61·0	61·0	61·0	22
23	60·0	60·3	60·5	60·3	60·7	60·7	61·0	62·0	62·0	61·0	60·8	61·0	61·5	61·0	61·0	60·7	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)

JULY 1935.

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	520	517	515	518	515	520	525	523	486	506	515	522	522	525	530	515	Midnight
1h	515	517	512	518	517	520	525	522	491	509	520	523	523	526	530	520	1h
2	517	519	513	517	517	520	529	525	495	509	518	523	522	529	531	521	2
3	516	520	515	520	516	521	531	527	500	515	517	525	523	526	535	522	3
4	519	519	518	521	520	523	531	530	509	518	518	528	524	523	537	525	4
5	518	520	520	522	521	525	534	536	520	512	521	529	525	532	534	528	5
6	520	521	522	523	523	527	538	542	527	510	525	531	528	535	535	532	6
7	522	525	525	528	525	530	542	553	535	516	530	535	532	540	542	535	7
8	526	527	533	532	529	533	543	556	540	520	537	540	541	541	547	535	8
9	528	533	539	533	530	537	542	565	535	523	536	543	549	541	549	535	9
10	530	533	542	535	530	538	537	555	532	523	533	540	548	539	550	530	10
11	526	535	548	534	529	538	533	510	533	527	535	541	540	537	548	530	11
Noon	527	535	550	535	523	531	530	490	528	520	530	541	541	533	535	525	Noon
13h	526	535	533	533	523	523	524	475	527	525	513	539	537	538	532	523	13h
14	531	531	525	525	524	523	521	452	521	524	514	530	539	533	532	524	14
15	525	523	513	513	523	519	515	440	518	515	517	515	529	527	531	520	15
16	505	517	506	510	513	517	513	425	505	507	510	510	522	520	523	512	16
17	503	510	507	512	517	521	520	423	496	507	512	518	533	517	517	515	17
18	507	508	512	517	521	527	524	450	495	511	515	523	527	522	513	523	18
19	503	512	512	520	521	526	526	460	497	513	508	524	526	520	508	523	19
20	502	513	515	520	520	524	525	465	502	513	500	523	527	528	509	520	20
21	503	512	515	517	521	523	524	474	506	513	512	522	527	533	507	525	21
22	505	512	519	516	520	522	524	475	505	513	519	521	528	535	510	528	22
23	506	513	520	516	519	521	524	481	505	517	521	522	527	532	512	529	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	529	530	535	520	535	526	512	515	516	500	520	518	516	512	*	518·6	Midnight
1h	530	530	535	520	533	527	516	517	522	443	517	517	521	508	...	517·5	1h
2	530	530	537	523	537	526	512	512	510	440	515	512	517	507	...	517·1	2
3	531	530	540	530	540	530	520	515	540	500	517	517	517	507	...	522·1	3
4	535	532	541	530	541	529	522	518	520	501	520	512	520	507	...	523·0	4
5	536	537	547	540	542	531	517	521	525	502	518	513	521	510	...	525·3	5
6	538	540	547	538	548	541	518	525	530	495	516	515	523	512	...	527·5	6
7	542	547	560	538	553	545	521	532	523	499	520	518	528	515	...	531·9	7
8	545	548	548	540	557	549	521	537	515	502	522	521	531	520	531	534·5	8
9	543	546	535	534	565	543	521	540	505	500	524	520	523	522	532	534·6	9
10	540	541	525	530	560	541	520	549	495	497	529	520	516	522	532	532·7	10
11	538	543	513	525	548	540	510	555	505	497	537	520	517	520	535	530·4	11
Noon	540	550	503	522	545	522	502	545	500	498	531	529	518	516	532	526·5	Noon
13h	540	548	508	520	538	523	503	527	501	495	526	528	518	507	526	522·9	13h
14	531	540	510	523	536	528	505	525	495	490	521	525	520	503	529	520·0	14
15	532	539	512	532	527	531	552	523	477	493	518	513	519	506	517	517·2	15
16	529	536	502	533	529	530	560	510	463	493	512	512	517	505	520	511·5	16
17	528	534	508	535	530	520	562	502	467	500	515	515	512	510	520	512·2	17
18	530	535	513	538	530	518	560	495	475	503	517	517	510	515	521	515·0	18
19	530	523	510	535	531	523	558	512	485	508	517	515	510	516	520	515·7	19
20	530	532	507	532	531	520	560	507	476	510	513	516	512	516	519	515·6	20
21	530	532	507	533	530	505	561	509	490	514	515	519	512	515	518	516·9	21
22	530	531	510	531	529	502	562	507	480	514	515	519	511	517	525	517·0	22
23	529	532	517	534	528	510	567	512	483	515	517	515	512	518	519	518·5	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)

JULY 1935

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	677	676	677	678	679	679	677	680	689	683	681	680	681	681	680	682	Midnight
1h	677	676	677	677	677	678	677	680	688	683	681	681	681	681	679	684	1h
2	676	675	677	677	677	677	677	680	687	683	682	681	682	681	679	680	2
3	676	674	677	677	677	677	677	680	686	683	682	681	682	681	679	680	3
4	676	674	676	676	676	677	676	677	685	683	682	682	682	682	679	680	4
5	676	674	676	675	675	676	675	676	684	683	683	682	682	682	680	680	5
6	676	674	676	675	675	675	675	676	683	683	683	682	682	682	680	681	6
7	674	674	674	673	674	677	673	673	680	680	680	680	680	681	678	680	7
8	675	677	674	673	676	681	675	674	679	680	681	681	682	684	680	683	8
9	680	680	677	678	680	682	677	674	681	683	683	684	684	690	683	687	9
10	681	680	678	685	682	682	678	676	683	685	684	687	686	690	684	690	10
11	678	682	677	685	682	682	682	676	683	684	684	687	683	687	683	688	11
Noon	670	681	676	684	678	681	678	678	682	685	683	686	678	683	681	682	Noon
13h	647	680	669	673	671	676	674	678	676	682	676	681	674	677	677	681	13h
14	637	673	664	663	665	668	674	678	675	674	677	680	673	668	669	675	14
15	645	668	662	661	662	664	676	683	674	673	677	678	673	665	667	666	15
16	656	668	664	662	664	665	673	685	676	676	677	677	680	670	670	668	16
17	670	673	672	670	671	670	674	690	682	680	673	680	683	677	677	677	17
18	675	677	677	675	676	674	678	690	685	682	683	683	685	682	682	683	18
19	676	678	677	677	677	674	678	690	684	682	683	683	684	683	684	683	19
20	677	679	678	677	678	676	679	691	683	682	683	683	684	683	684	684	20
21	678	680	678	678	678	677	679	690	683	682	683	683	683	682	685	684	21
22	678	680	680	679	678	677	680	690	683	682	682	683	683	681	684	684	22
23	677	679	679	679	679	677	680	690	683	681	681	682	681	680	683	683	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	682	682	682	685	682	683	684	682	683	690	685	683	683	686	*	681·7	Midnight
1h	681	681	680	685	682	683	684	683	683	687	684	684	682	684	...	681·2	1h
2	680	681	680	683	682	683	684	683	683	687	683	683	683	683	...	681·0	2
3	680	680	680	682	681	683	682	683	679	689	684	684	683	683	...	680·7	3
4	680	680	679	682	680	682	683	683	684	687	684	684	683	683	...	680·6	4
5	680	680	679	681	680	681	682	683	684	687	684	685	683	683	...	680·4	5
6	680	680	680	681	680	680	682	683	683	687	684	684	683	684	...	680·3	6
7	679	679	677	681	680	680	682	681	683	687	685	687	681	684	...	679·2	7
8	683	681	680	684	683	680	684	682	684	690	684	690	681	687	...	680·9	8
9	687	686	689	688	686	684	687	682	683	693	685	689	684	690	685	683·9	9
10	692	689	696	691	687	684	687	684	681	693	685	688	685	690	680	685·4	10
11	693	689	697	687	681	676	678	677	671	695	683	682	679	686	673	683·2	11
Noon	690	685	693	682	678	667	670	670	665	693	681	672	669	683	665	679·5	Noon
13h	679	675	688	677	677	667	666	673	665	690	681	667	663	675	662	674·5	13h
14	674	667	683	675	678	670	664	676	665	684	682	664	661	668	664	670·8	14
15	673	668	679	675	680	675	668	678	674	680	683	667	664	666	664	670·8	15
16	675	670	681	678	682	678	677	682	683	681	687	673	673	673	670	674·1	16
17	678	677	684	681	683	682	683	686	687	686	687	674	681	681	675	679·1	17
18	683	681	686	681	683	684	685	688	690	689	687	684	685	685	683	682·6	18
19	683	682	687	681	683	683	684	685	688	689	687	685	686	685	683	682·7	19
20	684	682	687	682	683	683	683	685	689	687	686	685	686	686	684	683·0	20
21	684	683	687	682	683	683	683	685	690	687	685	684	686	686	686	683·0	21
22	683	682	687	682	683	684	682	684	688	687	684	683	686	685	686	682·8	22
23	683	682	686	682	683	683	682	686	688	687	683	683	684	684	685	682·3	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 JULY 1935.

Month and day 1935.	Observations at 10 a.m.									Temperature of the Air.							Rainf			
	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	969·1	19·5	1·1	17·5	88	19·8	Calm		10	15·5	18·6	21·0	17·0	21·5	15·4	6·1	0·1	2	1·2	11
2	969·4	21·8	2·4	17·6	77	19·9	Calm		9	16·0	21·7	19·5	16·9	24·0	14·7	9·5	29·1	98	5·7	52
3	970·3	18·5	3·0	13·0	71	14·9	90	5·4	0	16·0	18·1	19·8	14·5	20·1	14·5	5·6	0·0	...	10·2	94
4	971·2	19·3	4·9	10·4	56	12·5	90	5·4	1	14·9	18·7	18·7	14·8	20·2	13·9	6·3	4·2	126	9·8	90
5	972·6	16·7	2·1	12·8	78	14·7	70	9·1	7	14·0	15·9	17·5	15·1	18·4	14·0	4·4	14·7	207	8·5	78
6	975·2	15·4	0·5	14·5	95	16·4	70	7·6	10	13·4	14·2	17·4	13·9	18·6	13·4	5·2	11·2	103	5·4	50
7	973·6	17·9	2·4	13·5	76	15·4	70	8·1	1	13·0	16·7	19·0	15·0	19·4	12·6	6·8	2·3	24	9·3	85
8	974·9	15·5	0·4	14·7	95	16·6	70	9·4	10	14·6	15·6	17·0	15·1	17·5	14·3	3·2	13·1	200	5·8	53
9	974·0	16·3	0·8	14·8	91	16·7	40	8·9	6	14·8	16·0	18·2	16·0	19·5	14·6	4·9	9·0	136	7·6	70
10	973·4	17·9	3·1	12·2	69	14·1	55	8·9	0	16·0	18·0	19·0	15·0	19·6	14·6	5·0	8·2	94	9·4	87
11	973·1	16·9	1·6	13·3	79	15·1	70	8·9	10	14·0	16·0	16·4	15·6	17·0	13·6	3·4	17·1	215	0·0	0
12	971·9	17·0	0·6	15·9	93	17·9	70	4·0	10	15·6	16·8	16·6	16·0	18·4	15·6	2·8	14·4	201	0·3	3
13	970·9	19·3	3·8	12·4	64	14·3	135	6·7	0	16·0	18·7	19·3	16·0	20·6	15·8	4·8	5·7		8·6	78
14	969·9	17·6	1·5	14·8	84	16·7	130	11·6	4	16·0	17·8	19·0	15·9	19·6	15·4	4·2	3·1	48	10·3	94
15	970·4	17·0	0·9	15·3	90	17·2	110	8·9	5	15·4	16·4	18·2	15·3	18·6	15·1	3·5	1·8	28	9·0	82
16	972·0	15·1	0·4	14·3	95	16·2	95	8·5	10	14·7	15·8	16·6	15·0	18·0	14·2	3·8	14·1	173	5·2	47
17	970·9	17·9	2·3	13·7	76	15·5	100	8·1	4	14·9	17·1	18·1	16·4	18·1	14·0	4·1	11·7	188	6·8	62
18	970·7	17·5	0·2	17·1	97	19·3	105	12·5	10	16·0	16·9	17·9	17·0	19·0	16·0	3·0	44·8	754	0·5	5
19	971·7	17·9	0·4	17·2	96	19·4	100	13·9	10	16·9	17·4	19·1	18·1	19·3	16·9	2·4	31·6	898	4·4	40
20	971·8	20·2	0·3	19·7	97	22·7	65	4·9	10	18·3	19·8	20·0	19·6	21·0	18·0	3·0	19·8	402	0·1	1
21	970·9	20·4	0·9	18·8	91	21·4	90	7·2	10	19·0	20·0	21·0	19·0	22·0	18·4	3·6	2·0	46	2·4	22
22	970·3	20·9	1·4	18·4	86	21·0	90	6·7	10	18·6	20·9	20·9	18·2	22·0	17·8	4·2	1·3	27	0·2	2
23	973·0	20·2	2·9	15·0	72	16·9	75	7·2	5	16·8	20·4	20·7	16·5	22·2	16·5	5·7	0·0	...	9·8	88
24	973·0	19·9	2·0	16·3	80	18·4	90	6·7	6	15·6	19·8	20·4	17·4	21·5	15·3	6·2	0·0	...	7·5	68
25	972·0	20·5	2·7	15·7	74	17·7	110	7·6	7	17·0	19·9	20·6	17·0	21·6	15·8	5·8	0·8	9	9·2	83
26	971·6	20·0	3·8	13·4	66	15·2	90	5·8	2	14·6	18·8	20·7	17·0	22·0	13·6	8·4	0·0	...	10·1	91
27	971·8	20·5	3·1	15·0	71	16·9	90	6·3	1	15·4	19·2	21·8	16·1	22·8	15·0	7·8	0·4	9	9·8	88
28	972·4	22·3	5·6	12·5	54	14·4	Calm		0	15·1	22·4	24·0	17·3	25·1	14·1	11·0	0·1	2	9·9	89
29	973·6	17·9	3·6	11·3	65	13·3	130	11·2	1	16·9	17·2	18·1	14·4	23·6	15·8	7·8	0·4	17	9·2	83
30	975·5	17·9	3·5	11·4	66	13·4	110	8·1	4	14·4	18·0	16·5	16·1	19·6	13·5	6·1	0·6	11	6·1	55
31	975·3	17·4	2·0	13·7	79	15·5	100	8·1	5	13·8	15·9	17·9	15·0	19·6	13·5	6·1	5·2	119	5·4	48
Mean	972·1	18·5	2·1	14·7	79·7	16·9	° ...	8·1	5·7	15·6	18·0	19·1	16·2	20·3	15·0	5·3	266·8	4225	6·38	58·0
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	+	42·6mbs.	Amount of rain	—	209·1mms.
Temperature of the Air	+	2·7°C	Duration of sunshine	+	18·9hrs
Vapour Tension	+	0·8mbs.	Mean of maximum temperatures	+	2·7°C
Relative Humidity	—	8·6%	,, minimum temperatures	+	1·6°C
Velocity of Wind	—	3·0mps.	Absolute maximum temperature	—	0·4°C
Amount of Cloud	+	0·2	,, minimum temperature	+	0·1°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JULY 1935

Month and Day 1935.	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	mm.	min		mm
1	1009·9	− 3·8	23·8	16·0	7·8	19·6	− 0·4	1·5	16·9	+ 1·2	84	+ 8	19·0	14·0	0·1	5	2·7	5·6
2	1010·8	− 3·0	24·7	15·9	8·8	19·6	− 0·4	1·6	16·7	+ 1·0	83	+ 7	18·8	15·8	2·7	56	1·7	4·0
3	1011·9	− 1·9	23·1	15·6	7·5	19·8	− 0·2	3·4	13·7	− 2·0	68	− 8	15·5	15·7	0·0	...	2·2	2·4
4	1013·6	− 0·3	22·6	13·9	8·7	18·6	− 1·4	3·5	12·2	− 3·5	67	− 9	14·1	10·2	0·0	...	3·9	3·4
5	1014·9	+ 1·0	22·4	16·3	6·1	18·7	− 1·3	2·9	13·4	− 2·3	71	− 5	15·2	16·2	0·3	8	3·4	5·0
6	1015·7	+ 1·5	22·5	16·1	6·4	18·2	− 1·8	2·7	13·3	− 2·4	73	− 3	15·1	11·6	1·0	38	3·4	5·5
7	1015·7	+ 1·7	22·5	12·7	9·8	17·8	− 2·1	2·4	13·4	− 2·2	75	− 1	15·2	17·1	0·5	10	2·2	4·4
8	1015·9	+ 1·9	21·8	16·7	5·1	18·6	− 1·3	2·3	14·4	− 1·2	77	+ 1	16·3	14·8	1·7	47	2·8	5·5
9	1015·4	+ 1·4	22·9	16·9	6·0	19·0	− 0·9	2·3	14·8	− 0·8	77	+ 1	16·7	12·8	2·1	93	2·9	5·6
10	1014·7	+ 0·7	23·0	17·3	5·7	19·6	− 0·3	3·1	14·0	− 1·6	70	− 6	15·8	14·9	2·1	47	3·4	4·5
11	1014·6	+ 0·6	20·1	16·5	3·6	18·5	− 1·4	1·8	15·5	− 0·1	82	+ 6	17·4	14·8	1·0	33	2·0	8·7
12	1013·3	− 0·7	22·3	17·7	4·6	19·3	− 0·5	1·5	16·6	+ 1·1	84	+ 8	18·7	15·3	8·0	67	1·5	8·5
13	1012·1	− 1·9	23·3	17·2	6·1	19·9	+ 0·1	2·9	14·7	− 0·8	72	− 4	16·6	16·8	0·2	22	3·6	4·2
14	1011·1	− 2·9	22·7	16·2	6·5	19·5	− 0·3	2·8	14·4	− 1·1	73	− 3	16·3	15·3	0·3	8	4·2	3·1
15	1012·4	− 1·6	21·1	15·1	6·0	18·7	− 1·1	2·5	14·1	− 1·4	74	− 2	15·9	14·7	0·3	30	3·7	4·2
16	1013·4	− 0·6	22·3	14·3	8·0	18·4	− 1·4	2·7	13·5	− 2·0	73	− 3	15·3	11·8	2·6	99	3·6	7·0
17	1012·6	− 1·4	22·3	17·5	4·8	19·5	− 0·3	2·3	15·3	− 0·2	77	+ 1	17·2	15·0	2·8	77	3·6	6·4
18	1012·3	− 1·7	21·4	18·6	2·8	19·7	− 0·1	1·2	17·5	+ 2·0	87	+ 11	19·8	17·2	11·2	229	2·3	9·4
19	1012·8	− 1·2	23·0	19·2	3·8	20·6	+ 0·8	1·2	18·5	+ 3·2	88	+ 12	21·1	16·1	3·6	141	1·7	7·1
20	1012·9	− 1·1	23·8	20·3	3·5	21·6	+ 1·8	0·7	20·4	+ 5·1	93	+ 17	23·7	12·5	11·0	193	1·1	9·0
21	1012·7	− 1·3	23·8	20·0	3·8	21·5	+ 1·7	1·1	19·6	+ 4·3	89	+ 13	22·6	19·8	1·0	49	1·0	7·1
22	1012·6	− 1·4	24·2	19·5	4·7	21·3	+ 1·6	1·6	18·5	+ 3·3	84	+ 9	21·1	17·3	1·4	28	5·2	4·9
23	1014·4	+ 0·4	24·2	17·8	6·4	20·4	+ 0·7	2·4	16·1	+ 0·9	76	+ 1	18·1	15·6	0·0	...	4·1	3·6
24	1014·3	+ 0·3	24·0	17·3	6·7	19·9	+ 0·2	2·5	15·4	+ 0·2	75	0	17·3	13·0	0·0	...	3·5	4·3
25	1013·3	− 0·7	24·5	18·4	6·1	20·6	+ 0·9	2·7	15·8	+ 0·6	74	− 1	17·8	17·0	0·0	...	3·7	4·5
26	1012·6	− 1·4	23·7	14·4	9·3	19·4	− 0·3	2·7	14·2	− 1·0	72	− 3	16·1	10·3	0·0	...	3·8	2·2
27	1013·4	− 0·6	24·4	16·4	8·0	19·8	+ 0·1	2·4	15·5	+ 0·3	76	+ 1	17·4	14·1	0·9	30	5·1	3·0
28	1014·0	0·0	24·6	14·3	10·3	19·9	+ 0·2	2·6	15·2	0·0	74	− 1	17·1	11·0	0·0	...	3·4	2·9
29	1016·7	+ 2·7	22·4	17·2	5·2	19·8	+ 0·1	3·7	13·1	− 2·1	65	− 10	14·9	15·2	0·0	...	4·5	3·0
30	1017·8	+ 3·8	23·5	14·5	9·0	18·6	− 1·1	3·7	11·8	− 3·4	65	− 10	13·7	9·5	0·4	16	5·1	4·7
31	1016·9	+ 2·9	21·7	15·7	6·0	18·5	− 1·2	2·2	14·5	− 0·7	78	+ 3	16·4	10·5	2·5	106	3·6	6·4
Mean	1013·7	− 0·3	23·0	16·6	6·4	19·5	− 0·3	2·3	15·3	− 0·1	76·7	+ 1·0	17·3	14·4	Sum 57·7	Sum 1432	3·2	5·2
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	18	17

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JULY 1935.

At the start, pressure was low and the first two days were characterised by calm weather with heavily cloudy or overcast sky during the day and a cloudless sky at night, low sunshine and high humidity.

From the 3rd pressure rose gradually; the resetting of the normal trade wind, accompanied by a marked temperature fall, brought some light rain daily. A period of very variable weather then followed till the 22nd of the month, during which the greater part of the rainfall of the month was recorded.

Temperature which had kept below normal during the first part of the month rose to above normal from the 19th and again dropped on the 30th. From the 18th to the 22nd a period of abnormally high humidity prevailed during which some heavy precipitation occurred. On the whole the rainfall was slightly below normal, while the duration was well in excess.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1935.

Month and Day 1935.	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	1·8	17	1·5	− 2·3	25·4	24·5	23·0	22·1	bc : c : bc : b_o .
2	5·3	49	2·0	− 1·8	25·2	24·7	23·0	22·2	b_o : b : bc : cr_or_o : bc .
3	9·7	89	3·7	− 0·1	25·3	24·5	23·0	22·2	b .
4	9·9	91	4·0	+ 0·2	25·1	24·5	22·8	22·1	b_o : b bc : b : bc .
5	7·6	70	4·8	+ 1·0	25·4	24·3	22·8	21·8	bc : $bcqd_o$: bcq : b .
6	7·0	64	4·1	+ 0·3	25·2	24·7	22·7	21·7	b : bcd_o : bc : bcd_o : bc : cr_o .
7	5·6	51	3·5	− 0·3	25·2	24·5	22·6	21·4	bc : bcq : b : bc .
8	6·8	62	4·2	+ 0·4	25·3	24·3	22·5	21·3	bcr_or_o : cr_o : c : bc : b .
9	7·2	66	5·0	+ 1·2	25·2	24·3	22·4	21·2	bc : bcd_o . cqrr : bcq .
10	9·3	85	5·4	+ 1·6	25·2	24·4	22·3	21·3	bc : b : bc : crr .
11	0·0	0	4·5	+ 0·7	25·2	24·3	22·2	21·1	bcd_od_o : cr_o : or_or_o : o .
12	4·0	36	4·8	+ 1·0	25·1	24·2	22·2	21·0	cr_o : c : cqr_o : cr_o : or_o .
13	9·6	87	4·1	+ 0·3	25·2	24·2	22·1	21·1	bc : b : bc : bcp_o : bc .
14	10·0	91	4·5	+ 0·7	25·1	24·4	22·1	21·3	bc : b .
15	9·0	82	4·1	+ 0·3	25·1	24·3	22·1	21·3	bc : bcq : bc : b .
16	7·5	68	4·0	+ 0·2	25·2	24·2	22·0	21·2	bc : bcd_od_o : bc : cgr_or_o .
17	8·1	74	5·7	+ 1·9	25·2	24·1	22·0	21·1	ogr_o : bc : bcd_o : bc : or_o .
18	0·6	5	5·8	+ 2·0	25·1	24·2	21·9	21·3	oq_o d_od_o : oq r_or_o .
19	7·7	70	6·6	+ 2·8	25·1	24·1	21·9	21·2	ogr_or_o : bcq : $bcqd_o$: bcq r_or_o .
20	0·2	2	4·4	+ 0·6	25·2	23·9	21·9	21·6	bcq_odd_o : cr_or_o : og r_or_o . o .
21	2·6	24	3·0	− 0·8	25·2	24·0	22·0	21·9	or_or_o : c : cr_or_o : bc : b .
22	8·5	77	3·4	− 0·4	25·0	24·2	22·1	22·2	bc : c : bc : b .
23	9·2	83	3·2	− 0·6	25·1	23·8	22·2	22·3	bc : b .
24	8·8	79	3·0	− 0·8	25·2	23·9	22·3	22·1	b : bc : b .
25	9·4	85	3·4	− 0·4	25·1	24·0	22·3	22·0	bc : c : bc : b : b_o .
26	10·2	92	2·6	− 1·1	25·0	24·2	22·3	22·0	b .
27	10·5	95	2·3	− 1·4	25·1	24·1	22·3	22·0	bc : bcr_or_o : b .
28	8·7	78	1·8	− 1·9	25·1	23·9	22·3	22·3	b_o : b : bc : c : b .
29	9·8	88	4·1	+ 0·4	25·1	23·9	22·3	22·0	b : bc : bq_c : b : bc : b .
30	5·7	51	3·3	− 0·4	25·1	23·8	22·3	22·0	b : bc : c : cr_o : bcr_o : b .
31	6·3	56	4·2	+ 0·5	25·1	23·8	22·3	22·0	bc DD : cd_od_o : bc : bcr_or_o .
Mean	6·99	62·2	3·90	+0·12	25·16	24·20	22·33	21·68	.....
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 1935.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1019·3mbs	at 22·00hrs.	on 29th	1008·7mbs	at 15·00hrs.	on 1st
Temperature of the Air	24·7°C	at 12·30hrs.	on 2nd	12·7°C	at 06·30hrs.	on 7th
Daily range of temperature of the Air ...	10·3°C	...	on 28th	2·8°C	..	on 18th
Temperature of the Dew Point	21·8°C	at 15.00hrs.	on 20th	9·6°C	at 04·00hrs.	on 30th
Daily range of temperature of the Dew Point	6·1°C	...	on 29th	0·8°C	...	on 24th
Minimum on Grass	...	...	...	9·5°C	...	on 30th
Relative humidity	97·7%	at 15.00hrs.	on 20th	49·2%	at 13·00hrs	on 16th
Vapour Tension	25·9mbs.	at 15·00hrs.	on 20th	11·9mbs.	at 04.00hrs.	on 30th
Wind Velocity	9·2m.p.s.	at 12·00hrs.	on 19th	0·6mps	at 17·00hrs.	on 1st
Rainfall in 24 hours	12·4mms. ending 02hrs.		on 19th	...	...	...
Evaporation in 24 hours...	5·2mms	...	on 22nd	1·0mm	...	on 21st
Duration of sunshine	10·5hrs	...	on 27th.	0·0h	...	on 11th

Mean Day Temperature of Air, 22·35°C. Average 21·57°C. Mean Night Temperature of Air, 16·66°C. Average 18·15°C.

NUMBER OF DAYS OF:—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: mms. 0.1 — 0.9	mms. 1.0 — 4.9	mms. 5.0 — 9.9	mms. 10.0 — 24.9	mms. 25.0 and over	Lightning	Thunderstorm
...	7	17	7	...	8	12	1	2	...	...	...

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 1935.

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	101	107	119	132	150	155	163	154	170	157	152	142	137	121	119	139	Midnight
1h	098	106	118	130	148	156	164	153	165	151	157	140	132	117	116	135	1h
2	093	102	115	129	143	150	160	150	160	148	152	137	130	110	114	132	2
3	089	100	109	127	142	147	153	147	152	145	147	130	124	107	110	127	3
4	090	098	109	127	142	148	152	147	152	146	140	130	122	105	110	127	4
5	090	097	109	127	140	148	151	147	151	142	141	130	121	106	111	127	5
6	095	100	108	130	147	152	152	151	153	142	141	131	120	107	113	128	6
7	100	103	115	133	150	157	155	157	160	145	147	133	123	110	117	132	7
8	107	112	120	137	155	163	163	162	162	150	152	137	127	116	124	138	8
9	117	117	127	140	160	167	163	164	166	152	159	143	132	121	130	142	9
10	117	116	128	143	160	167	167	167	163	153	160	144	132	122	134	142	10
11	107	111	130	141	153	162	165	165	160	152	155	141	130	120	132	141	11
Noon	102	107	123	135	150	157	158	160	155	150	145	135	124	113	125	133	Noon
13h	093	102	116	130	143	150	150	161	145	140	146	120	115	107	118	127	13h
14	087	098	110	127	142	150	145	158	140	137	138	118	110	100	113	124	14
15	087	100	110	126	140	148	145	157	138	132	134	116	105	097	117	122	15
16	087	105	110	130	140	150	145	158	141	134	137	120	106	098	122	124	16
17	090	108	103	132	141	152	148	160	145	142	140	126	110	100	125	132	17
18	092	110	120	135	145	157	152	161	150	145	140	130	115	102	130	138	18
19	096	112	124	140	150	160	158	161	153	148	141	132	117	111	131	135	19
20	103	114	130	145	157	165	165	167	155	152	141	140	120	115	137	140	20
21	105	117	132	150	157	169	168	170	153	157	146	143	122	120	140	140	21
22	109	117	133	150	158	165	169	168	153	157	143	142	123	122	140	140	22
23	109	119	132	151	156	167	167	167	154	158	147	142	122	121	140	141	23½

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	140	125	130	133	132	130	141	152	141	132	132	141	152	191	180	1014·1	Midnight
1h	138	126	128	134	130	127	140	150	140	128	131	138	151	191	175	1013·9	1h
2	130	123	123	131	128	122	139	147	137	125	131	133	149	189	170	1013·6	2
3	128	120	120	125	126	120	138	143	131	124	130	130	150	186	170	1013·2	3
4	127	117	118	124	123	117	137	141	126	122	131	128	150	182	167	1013·1	4
5	123	114	121	123	122	117	135	142	127	124	130	127	151	180	165	1013·0	5
6	123	117	124	125	123	122	137	145	132	127	132	130	153	180	170	1013·3	6
7	127	118	128	132	126	124	145	146	141	131	137	136	160	180	173	1013·7	7
8	132	122	132	135	130	128	150	150	144	136	141	143	168	181	177	1014·2	8
9	135	127	135	140	132	132	157	154	145	140	143	150	171	182	184	1014·6	9
10	136	132	136	140	135	136	157	155	147	138	144	151	175	184	183	1014·7	10
11	130	130	132	138	131	132	150	150	143	134	140	145	173	183	183	1014·4	11
Noon	130	124	127	130	125	125	146	140	137	127	135	138	167	176	175	1013·8	Noon
13h	122	115	122	123	120	117	140	130	127	120	127	132	161	170	167	1013·1	13h
14	115	113	117	120	115	113	133	131	123	114	123	129	158	163	160	1012·7	14
15	110	110	120	118	113	112	132	128	122	110	122	130	159	161	157	1012·5	15
16	111	112	122	122	113	114	133	131	120	110	125	135	161	162	153	1012·7	16
17	113	113	126	123	117	118	140	137	125	112	127	140	167	167	155	1013·0	17
18	122	120	128	123	133	122	140	140	126	116	130	141	172	169	158	1013·4	18
19	123	127	131	127	133	130	145	144	125	122	135	147	177	172	161	1013·8	19
20	125	133	136	132	139	135	151	148	131	127	138	151	187	179	168	1014·3	20
21	130	135	137	135	132	141	155	150	137	131	141	153	190	181	169	1014·5	21
22	128	134	138	136	131	144	156	146	138	134	143	152	193	1[illegible]	169	1014·5	22
23	127	132	135	133	130	143	153	143	135	133	143	153	192	180	167	1014·5	23

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

Day. / Hour.	JULY 1935.																															
	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	0	3	0	3	3	5	4	3	7	7	8	8	5	3	6	10	10	8	5	10	5	3	0	4	0	0	0	0	3	2	4·1
1h	3	0	3	0	6	3	5	4	7	4	8	7	8	6	3	5	10	10	8	6	10	5	4	0	5	1	5	0	0	2	2	4·5
2	4	0	3	0	4	2	5	3	5	3	7	7	6	6	3	7	10	10	8	7	9	0	4	1	7	1	5	0	1	6	4	4·6
3	7	0	3	2	8	7	3	3	2	2	4	0	4	7	5	8	5	10	8	7	9	3	3	2	8	0	6	0	3	3	5	4·4
4	8	0	4	1	4	2	3	4	7	4	5	6	2	4	4	8	4	10	8	7	8	2	3	4	7	1	8	0	4	1	5	4·5
5	9	1	4	1	5	3	3	4	4	4	6	8	1	0	3	9	3	10	7	8	9	1	3	3	8	1	8	0	4	1	2	4·3
6	9	1	3	3	8	8	3	4	2	4	6	10	1	2	4	8	2	10	6	9	9	2	3	4	9	2	2	1	4	2	5	4·7
7	9	2	3	2	7	8	4	6	9	2	8	9	3	4	3	7	3	10	7	9	8	5	4	5	8	2	2	1	3	3	7	5·3
8	9	2	3	3	7	9	4	7	9	2	9	8	4	2	3	7	3	9	7	10	7	7	4	6	4	2	2	1	4	5	9	5·4
9	9	2	2	5	8	7	5	5	8	2	10	8	3	2	0	7	3	10	8	10	8	7	4	7	3	2	1	1	4	6	9	5·5
10	9	4	2	2	8	6	8	6	7	2	9	9	3	3	9	4	4	9	9	9	10	6	7	6	4	3	3	2	4	6	9	5·9
11	6	7	4	4	6	5	8	9	7	2	10	9	2	3	9	8	4	9	5	9	10	9	6	6	6	2	4	3	3	9	7	6·2
Noon	8	7	3	6	6	4	7	9	6	3	10	9	2	3	3	7	7	10	8	9	9	9	6	6	5	2	3	4	3	7	8	6·1
13h	9	9	2	6	6	5	6	9	5	3	10	9	3	3	4	6	6	10	8	9	9	9	6	6	7	2	3	4	3	7	7	6·2
14	9	8	2	5	5	6	4	9	6	4	10	9	3	3	4	6	6	10	6	10	9	9	4	6	6	3	3	4	3	7	7	6·0
15	9	8	2	2	5	6	4	9	7	5	10	8	2	3	4	6	6	10	9	10	7	8	5	6	5	4	3	4	3	9	7	6·0
16	7	8	3	2	5	6	3	9	5	6	10	8	2	3	3	5	6	10	7	10	7	5	5	6	5	4	3	3	6	8	8	5·7
17	5	8	3	2	4	6	2	6	4	7	10	9	9	2	4	8	8	10	9	10	7	5	4	5	3	5	2	7	3	8	7	5·9
18	4	8	3	8	4	6	3	2	5	5	10	10	6	2	5	9	9	10	7	10	7	4	2	4	3	4	2	9	8	8	7	5·9
19	2	3	2	3	2	4	3	7	2	6	10	9	4	2	5	6	4	10	6	10	4	4	2	8	2	3	2	9	1	9	7	4·9
20	0	2	1	2	3	6	3	5	5	7	10	10	3	3	3	5	10	9	6	10	3	2	2	3	1	3	2	9	0	3	6	4·4
21	0	2	1	10	2	7	6	3	4	3	10	10	10	2	3	4	10	7	6	10	1	2	2	2	0	2	1	3	0	0	6	4·3
22	0	6	1	6	2	8	5	2	7	8	10	10	7	3	3	10	10	6	6	10	1	2	1	3	0	2	1	3	1	0	6	4·5
23	0	5	0	4	3	8	5	1	6	9	9	8	6	3	3	10	10	7	5	10	2	2	1	3	0	1	0	2	5	2	8	4·5

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

Day. / Hour Ending.	JULY 1935.																															
	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	0	13	13	0	0	0	0	0	3	0	0	3	8	6	0	0	0	0	0	0	0	15	3	1	0	14	25	25	0	3	0	3·5
8	0	60	30	55	35	2	0	8	6	60	0	25	60	60	60	36	52	28	0	0	13	54	52	59	49	60	60	60	56	7	25	18·0
9	0	60	60	60	30	40	14	58	30	60	0	50	60	60	60	56	54	0	31	0	5	31	59	45	56	60	60	60	60	52	22	22·3
10	12	52	00	60	53	30	12	45	42	60	0	5	60	60	40	52	60	10	57	0	2	55	47	59	37	60	60	60	60	50	30	21·4
11	50	60	60	60	60	60	2	35	37	60	0	1	60	60	40	28	60	0	59	8	3	42	52	60	53	60	60	60	60	33	47	21·6
Noon	20	32	60	60	55	60	35	24	59	60	0	10	60	60	60	40	33	0	54	3	13	42	55	60	59	60	60	52	60	47	49	22·7
13h	0	23	60	60	58	53	30	46	60	60	0	35	60	60	60	55	59	0	46	0	16	56	59	60	60	60	60	29	60	16	33	22·0
14	0	4	60	60	42	28	59	50	60	60	0	5	60	60	60	52	55	0	39	0	18	48	60	60	60	60	60	42	60	50	55	22·5
15	0	2	60	60	40	45	60	38	48	60	0	35	60	60	55	57	60	0	59	0	32	59	60	52	60	60	60	60	60	21	46	22·7
16	12	0	60	60	60	51	60	59	46	60	0	42	60	60	45	59	37	0	50	0	36	60	53	60	60	60	60	60	59	46	59	23·3
17	17	10	55	55	35	54	53	45	44	16	0	30	35	50	55	14	13	0	38	0	20	48	52	12	60	56	60	13	53	17	11	16·5
18	0	1	2	1	0	0	8	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	9	2	7	0	0	0	0	0·5
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total Amount of Registered Sunshine was 216.6 hrs. and the total possible sunshine was 340·9 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)

JULY 1935.

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

JULY 1935.

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	18·1	1·1	19·4	2·0	19·7	1·4	20·3	0·4	21·1	0·9	20·0	0·4	19·7	1·8	18·5	1·5	Midnight
1h	17·6	0·8	19·3	1·9	19·6	1·1	20·6	0·6	21·0	0·7	20·0	0·6	18·8	1·4	17·5	1·4	1h
2	17·7	1·2	19·2	1·6	19·4	1·0	20·7	0·7	21·0	0·8	20·0	0·7	18·7	1·4	17·7	1·3	2
3	17·8	1·5	18·7	1·1	19·6	1·2	20·9	0·7	21·0	1·0	20·0	0·8	18·3	1·2	17·6	1·3	3
4	17·8	1·4	18·8	1·2	19·8	1·4	21·0	0·7	20·9	0·9	20·0	0·8	18·5	1·3	17·4	1·2	4
5	17·6	1·6	19·1	1·1	19·8	1·4	21·0	0·5	20·7	0·9	19·9	0·9	18·4	1·1	17·6	1·2	5
6	18·0	2·7	19·0	1·0	19·9	1·7	21·1	0·5	20·6	0·9	19·7	0·9	18·5	1·3	17·6	1·4	6
7	18·2	2·2	19·2	1·1	19·9	1·5	21·2	0·4	20·6	0·7	20·0	1·0	18·5	1·4	17·4	1·2	7
8	19·3	2·9	20·2	1·4	20·6	1·6	21·4	0·5	21·0	1·0	20·9	1·0	20·6	2·0	19·1	1·8	8
9	20·4	3·4	20·0	1·0	21·5	1·7	21·7	0·7	22·6	1·7	22·2	1·6	22·7	3·0	21·8	3·8	9
10	20·4	2·8	20·4	1·2	21·7	1·7	22·0	0·6	22·9	1·9	23·1	2·3	22·5	3·5	23·4	4·9	10
11	21·6	3·6	19·7	0·7	21·7	1·7	23·6	1·6	22·6	1·6	22·9	1·3	23·1	3·5	23·3	4·4	11
Noon	19·5	1·2	20·3	0·9	21·1	1·1	23·8	1·6	23·0	1·3	23·1	2·0	23·5	4·7	23·7	4·4	Noon
13h	21·5	3·5	21·4	1·8	21·7	1·3	22·2	0·5	23·0	1·5	23·8	2·8	23·4	4·4	23·3	4·5	13h
14	21·4	3·4	20·3	0·7	21·8	1·8	22·4	0·4	23·0	1·9	24·0	2·5	24·0	4·7	23·3	4·9	14
15	22·2	4·2	20·5	1·2	21·1	1·1	22·2	0·2	23·5	2·2	23·6	2·8	23·8	4·3	22·6	4·0	15
16	21·4	3·8	20·0	0·8	21·0	1·1	22·0	0·4	22·4	1·4	23·6	3·2	23·0	3·8	21·6	3·5	16
17	20·7	2·7	20·1	1·3	20·6	0·9	21·3	0·3	22·0	1·0	22·7	2·7	22·0	3·2	19·7	1·7	17
18	19·5	2·2	19·4	0·7	20·3	0·7	21·6	0·6	21·1	0·8	21·3	1·9	20·2	2·2	19·6	2·1	18
19	19·5	2·2	19·4	0·8	20·3	0·8	21·2	0·2	21·0	0·9	20·9	1·6	19·5	1·5	18·8	1·7	19
20	19·3	2·1	19·5	1·0	20·4	0·6	21·1	0·5	20·7	0·8	20·9	1·9	18·8	1·4	18·9	2·1	20
21	19·3	1·5	19·6	1·1	20·6	0·7	21·5	0·7	20·6	0·7	20·0	1·9	18·3	1·3	19·1	2·4	21
22	19·0	1·2	19·7	1·2	20·4	0·5	21·3	0·7	20·1	0·8	19·7	1·7	18·2	1·3	18·9	1·9	22
23	19·2	1·6	19·0	1·0	20·4	0·6	21·1	0·7	20·0	0·7	19·6	1·6	17·8	1·3	18·9	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	19·8	2·2	18·3	1·9	17·3	1·0	16·5	1·1	18·9	1·9	17·2	3·0	17·2	2·0	18·0	1·5	Midnight
1h	19·7	2·3	17·8	1·7	17·6	0·8	16·4	1·2	18·5	1·8	17·0	2·5	17·0	1·8	18·0	1·6	1
2	19·7	1·9	17·6	1·7	17·4	1·0	16·7	1·0	19·4	2·2	16·7	2·0	16·8	1·5	17·9	1·5	2
3	18·8	1·9	17·0	1·8	17·4	0·9	16·5	1·2	20·0	2·3	16·6	3·3	16·6	1·2	17·9	1·5	3
4	18·8	1·9	15·8	1·4	17·4	0·7	16·2	1·2	19·8	2·1	15·8	3·3	16·0	1·1	17·9	1·6	4
5	18·7	1·8	15·6	1·2	18·3	0·6	15·5	1·1	19·4	2·4	15·6	2·6	15·7	0·9	17·8	1·6	5
6	19·0	1·9	14·9	1·3	17·5	0·8	14·6	0·9	19·4	2·4	15·3	2·3	16·7	1·2	17·7	1·6	6
7	19·0	1·4	14·7	1·2	16·8	0·8	15·0	1·0	19·0	2·0	14·7	2·1	16·9	1·3	17·7	1·5	7
8	20·2	1·7	17·8	1·6	18·5	0·6	18·3	1·3	20·4	2·8	16·3	1·8	17·7	1·6	19·1	1·8	8
9	22·2	2·8	21·3	4·0	21·8	2·6	21·5	2·5	21·3	4·1	20·3	5·1	18·3	1·6	20·7	2·7	9
10	21·9	2·9	22·3	4·7	22·8	3·7	22·6	4·3	21·7	4·7	21·4	6·2	20·0	3·0	21·2	3·1	10
11	23·3	4·3	23·3	5·3	23·4	4·9	23·8	5·9	22·0	5·1	21·4	5·4	19·6	2·0	21·8	3·5	11
Noon	23·4	4·3	23·6	6·1	23·9	5·4	24·5	5·0	22·3	5·7	21·8	6·4	19·9	2·6	22·1	3·8	Noon
13h	23·0	4·1	23·5	5·8	24·2	5·4	23·7	4·7	22·0	5·1	21·2	5·2	19·7	2·1	22·2	4·0	13h
14	23·6	4·6	23·4	5·6	24·1	5·1	24·0	4·0	21·8	5·8	22·1	4·6	20·7	3·1	22·3	4·0	14
15	23·0	4·2	23·2	5·2	23·9	5·2	24·3	4·3	21·4	5·4	21·0	5·0	22·6	5·6	22·0	3·8	15
16	22·5	3·9	22·2	4·2	23·3	4·6	23·6	4·3	20·7	4·9	20·7	4·7	22·5	5·9	21·4	3·5	16
17	21·3	3·2	21·7	3·4	22·0	4·0	22·4	3·4	19·9	4·9	19·9	3·9	20·4	3·5	20·5	2·8	17
18	20·4	2·4	20·0	2·0	20·1	2·4	22·6	3·6	19·2	4·1	18·9	2·9	19·5	4·0	19·5	2·2	18
19	20·0	2·1	18·9	1·5	18·3	1·7	20·4	2·2	18·3	4·3	19·2	4·2	19·0	2·5	18·9	1·9	19
20	19·7	2·1	18·9	1·4	17·5	1·5	18·4	1·4	18·1	3·0	19·3	5·2	18·0	1·8	18·6	1·8	20
21	19·3	1·8	18·5	1·1	17·3	1·3	20·0	2·6	18·0	4·0	18·0	2·6	18·0	1·6	18·5	1·7	21
22	19·0	2·0	18·6	1·1	16·9	1·0	19·5	2·1	17·3	4·0	18·0	2·8	17·8	1·4	18·3	1·6	22
23	18·4	2·3	18·0	1·0	16·9	1·1	18·8	1·8	17·6	3·9	17·3	2·2	17·8	1·2	18·2	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 JULY 1935.

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 1935.

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	1·5	12	1·5	16	3·6	14	1·0	13	4·1	09	3·0	12	3·1	14	2·6	12	3·2	11	2·9	10	4·8	11	3·4	12	5·3	11	1·8	17	1·9	15	2·9
1h	13	2·0	12	2·0	14	3·2	12	1·9	14	4·6	10	3·0	12	2·6	13	4·3	12	3·2	12	4·3	12	4·4	10	3·4	12	3·5	11	3·0	16	2·0	15	2·7
2	13	1·9	12	2·1	14	3·2	17	2·5	13	3·8	09	3·0	12	2·0	13	3·3	11	3·0	11	4·1	12	4·8	10	4·4	12	4·0	12	3·9	16	1·9	14	2·6
3	13	1·4	12	1·7	14	4·7	12	3·5	13	3·9	10	3·4	14	1·6	12	2·8	12	3·0	12	4·1	12	3·5	12	3·1	12	3·4	12	3·9	14	2·8	12	1·9
4	09	1·9	11	2·0	14	4·4	13	3·7	15	4·4	10	3·3	16	1·8	12	2·4	12	2·6	11	4·5	11	3·1	12	3·1	13	3·7	11	2·9	13	3·8	10	1·3
5	11	1·0	11	1·9	17	3·3	14	2·1	13	2·4	10	3·1	16	1·7	09	2·6	12	2·9	13	5·3	12	2·8	08	2·6	14	3·1	12	2·7	14	3·5	07	1·9
6	11	3·0	12	2·6	17	3·3	18	1·1	10	3·5	11	2·1	16	1·8	12	4·0	12	3·4	12	2·6	12	3·4	12	4·4	13	4·4	12	3·7	12	2·0	14	2·5
7	11	2·0	12	2·2	19	1·7	19	2·4	14	5·4	11	2·0	16	1·9	12	3·9	09	5·3	13	3·1	12	4·1	12	3·0	14	4·1	13	4·3	13	3·0	15	2·6
8	13	1·6	11	1·8	14	1·8	17	1·1	12	5·8	10	2·9	09	2·1	12	3·4	10	4·6	12	4·5	12	4·7	11	3·2	12	4·7	12	4·9	12	3·6	16	2·4
9	11	1·6	11	1·5	14	4·2	13	3·4	12	4·4	10	4·0	09	1·8	11	4·7	11	5·0	13	6·4	08	5·2	12	4·2	12	5·6	12	6·7	12	4·3	12	4·0
10	11	1·1	07	1·2	14	5·4	14	4·5	11	5·4	10	5·4	08	4·4	12	6·7	11	6·2	13	8·1	12	6·9	09	4·7	12	5·6	12	7·6	12	5·6	12	4·9
11	03	1·0	08	1·2	14	4·9	12	5·2	11	5·5	10	6·8	11	4·6	13	6·9	11	7·5	13	6·6	10	5·8	11	4·2	12	5·3	12	6·5	13	5·8	14	4·8
Noon	07	1·3	d26	1·5	13	4·8	13	5·5	10	7·6	10	7·5	11	6·4	12	5·4	10	8·0	13	7·1	12	5·0	12	6·2	10	5·2	12	7·7	12	5·5	12	6·0
13h	r26	1·4	22	1·9	13	6·0	13	6·5	10	7·6	12	7·5	10	6·9	12	8·2	11	8·6	13	6·1	12	4·0	12	6·8	12	5·5	13	7·7	13	8·5	12	6·7
14	02	1·0	23	2·8	14	5·6	13	6·5	12	7·5	12	6·2	12	6·5	13	6·8	12	7·6	13	6·9	12	4·8	12	6·3	12	5·3	12	6·7	13	7·5	12	7·0
15	04	1·0	26	2·1	15	5·8	13	5·9	13	7·7	10	5·5	10	6·6	11	4·9	11	7·1	13	7·2	10	5·5	10	6·6	12	4·5	14	6·5	12	5·6	10	6·2
16	05	0·8	r08	2·6	13	6·1	14	6·7	10	7·3	10	4·7	13	6·2	12	5·7	12	5·7	13	6·9	10	6·0	11	6·3	13	6·3	13	6·2	14	5·5	12	6·1
17	05	0·6	03	2·0	13	4·6	12	4·4	12	5·4	11	4·5	12	5·4	12	5·1	12	5·6	11	5·0	11	5·5	09	6·4	13	3·9	13	5·5	13	4·6	13	4·8
18	05	1·2	03	1·1	13	2·8	14	3·1	11	4·4	13	3·2	12	4·5	13	2·6	12	4·0	12	4·3	11	4·0	11	5·4	12	1·3	13	5·4	14	3·4	14	3·6
19	10	1·8	10	1·3	16	1·9	14	4·1	12	4·5	10	3·8	12	3·1	12	2·7	12	4·8	12	4·4	11	4·6	12	5·6	12	1·4	13	4·1	16	2·8	13	3·5
20	11	2·0	10	1·6	17	2·4	13	4·4	11	2·8	13	4·3	13	2·9	12	2·8	11	4·8	12	3·7	11	5·2	11	6·4	12	1·5	16	2·0	16	3·3	14	3·5
21	12	2·0	15	2·1	15	2·4	14	4·4	10	2·2	13	4·0	14	2·6	12	3·7	12	4·7	12	5·9	12	3·8	11	5·0	12	3·9	17	1·5	14	4·0	13	3·6
22	12	1·8	15	3·6	14	2·3	13	5·0	11	3·4	13	2·7	15	2·5	12	2·7	12	4·7	12	6·0	10	4·0	11	4·3	12	4·4	17	2·2	14	3·7	11	4·8
23	12	1·8	14	3·1	13	2·4	15	4·7	11	3·5	12	3·4	14	1·8	12	3·6	12	4·3	11	6·6	11	3·6	12	4·9	11	3·6	17	1·8	14	3·0	11	4·4

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	3·5	10	5·8	12	5·2	10	5·6	09	3·6	11	2·0	09	3·2	10	1·3	12	2·2	12	2·6	12	1·4	11	2·1	17	2·1	13	1·3	10	3·1	3·0
1h	10	5·9	12	5·0	12	5·5	10	4·8	10	3·4	11	1·9	09	2·3	10	1·1	12	1·5	12	2·8	12	1·4	11	2·4	16	1·9	13	0·8	11	2·0	3·0
2	12	5·0	10	4·9	12	5·3	11	5·1	10	3·5	11	1·8	09	2·3	10	1·3	12	1·5	12	2·4	12	1·5	11	1·8	15	2·8	13	0·7	12	3·1	3·0
3	13	4·7	12	4·9	12	6·6	09	5·1	10	2·7	11	1·9	09	2·0	10	1·1	12	1·3	12	2·0	12	1·1	11	1·3	16	2·9	13	2·2	12	2·2	2·9
4	12	5·1	12	6·0	12	6·3	10	5·2	10	3·4	11	2·2	09	2·7	10	1·3	12	1·3	12	1·9	12	1·9	11	1·9	24	1·0	13	2·3	12	2·5	3·0
5	13	4·6	12	4·7	10	5·2	09	4·4	10	2·7	11	2·3	09	3·3	10	1·4	11	1·4	12	1·8	08	1·3	11	1·7	16	1·3	14	2·6	11	2·3	2·7
6	12	4·3	11	4·5	11	5·1	10	5·1	09	2·2	11	1·0	09	3·1	10	1·6	12	1·6	12	1·3	14	1·8	11	1·7	17	1·8	14	1·9	11	4·7	2·9
7	12	4·7	11	5·0	11	5·9	08	4·8	09	2·6	11	1·7	09	2·3	10	2·0	12	1·6	12	1·1	14	1·8	11	2·1	15	1·7	16	1·4	12	2·6	3·0
8	12	4·8	11	5·5	11	5·9	09	3·9	09	3·1	10	2·1	09	2·3	10	2·4	11	2·3	12	1·1	14	0·8	11	1·4	14	3·7	16	0·6	10	3·7	3·1
9	12	5·3	11	6·0	11	6·8	07	4·8	09	3·7	10	3·6	09	4·1	12	3·6	10	4·3	11	2·7	11	2·3	11	1·5	14	3·5	12	3·2	12	4·2	4·1
10	12	7·0	10	6·2	11	8·2	08	4·0	09	4·4	09	5·1	09	5·0	11	5·4	11	5·3	10	3·6	09	3·0	08	1·1	13	6·0	13	5·9	11	5·0	5·1
11	12	7·6	11	5·8	11	8·1	06	4·6	09	4·4	08	5·2	09	4·9	11	6·0	09	5·5	12	3·6	10	3·5	09	0·6	13	7·9	12	5·6	09	7·1	5·3
Noon	10	6·3	10	6·3	10	9·2	09	5·3	10	4·2	08	4·7	09	5·2	11	4·9	10	5·5	11	3·8	08	2·8	02	1·2	12	7·9	11	6·2	10	5·2	5·4
13h	12	8·3	12	6·2	09	8·1	06	4·8	08	3·4	09	4·9	08	5·1	11	6·2	12	5·3	10	3·4	08	4·9	r24	2·7	13	7·2	12	5·8	09	6·3	5·9
14	12	7·7	10	6·8	11	8·3	09	4·7	08	3·8	09	5·3	10	5·1	12	5·8	10	5·7	10	3·5	10	4·1	23	1·5	12	7·3	10	5·7	10	6·5	5·7
15	10	7·3	09	6·7	09	8·0	08	4·4	09	3·5	09	5·3	09	4·9	11	5·0	10	6·0	11	3·8	07	3·9	22	2·0	13	7·2	11	5·6	10	6·7	5·4
16	11	6·7	11	6·3	10	7·5	08	3·8	08	3·9	09	4·9	10	5·1	10	5·3	12	5·2	10	4·3	10	3·5	22	2·2	13	5·7	12	5·6	09	6·3	5·3
17	11	5·7	10	7·1	10	6·8	06	3·8	08	2·2	09	4·7	10	3·9	11	4·3	12	4·8	10	4·1	10	3·2	22	2·8	13	5·2	12	4·1	10	5·1	4·6
18	12	6·0	10	6·1	10	5·7	08	3·6	11	2·1	10	3·5	10	2·0	11	2·0	12	2·9	10	2·4	11	1·3	22	2·2	14	4·4	11	2·2	11	3·5	3·4
19	11	5·3	11	5·1	09	7·1	07	3·5	11	2·1	10	3·2	10	1·4	12	2·0	13	2·9	10	1·8	11	1·3	14	1·7	13	4·3	11	2·7	12	4·5	3·3
20	10	5·1	12	5·5	09	5·6	08	4·2	11	1·9	10	3·4	10	1·8	12	1·8	10	4·5	10	1·9	11	1·8	16	2·0	13	3·4	12	3·4	10	4·2	3·4
21	12	4·9	10	5·6	09	5·2	09	3·8	11	1·8	10	3·4	10	1·8	12	2·1	11	3·0	10	1·7	11	2·2	15	2·0	13	4·4	12	3·9	11	2·6	3·4
22	11	5·0	12	5·9	09	6·0	09	3·7	11	2·0	10	2·9	10	1·7	11	2·2	12	3·1	12	3·1	11	1·6	16	1·1	14	3·5	13	1·8	10	3·0	3·4
23	11	5·2	12	6·9	09	5·7	08	2·8	11	1·3	10	3·1	10	1·4	11	1·4	12	2·7	12	1·3	11	2·7	18	1·8	12	2·0	12	2·0	10	3·8	3·2

TABLE XIII,—WIND FREQUENCY (NUMBER OF OBSERVATIONS), JULY 1935.

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	30	...	...	...	..	2	3	22	3	1	...	...	...	...	..	...	...
9	...	5	26	...	...	...	...	5	3	21	2	...	...	...	...	...	...	...	...
15	...	19	12	...	...	1	...	7	8	11	1	1	...	...	1	...	1	...	...
21	...	2	29	...	...	...	...	2	5	17	3	4	...	...	...	...	...	...	...
Totals	...			...	...	1	...	16	19	71	9	6	...	...	1	..	1	...	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JULY 1935.

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	...	...	...	...	0·2	...	...	0·3	...	..	1·5	...	0·7	1·0	0·1	0·1	...	..	...	...	..	..	...	...	0·1
2	...	...	...	...	..	...	...	0·1	...	...	...	...	...	...	...	...	1·0	...	0·5	0·2	0·2	...	...	...	...	...	...	...	...	...	0·1
3	...	...	...	...	...	...	...	...	...	...	0·4	..	...	...	...	0·1	...	0·3	0·1	0·3	0·2	...	...	...	...	...	...	...	...	...	0·1
4	...	...	...	...	...	...	...	...	0·1	...	0·2	...	...	...	...	0·1	...	0·2	..	0·4	0·2	...	...	..	...	...	0.3	...	...	...	...
5	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	0·1	...	...	...	0·6	...	...	...	...	...	...	0·4	...	...	...	0·1
6	...	...	...	...	...	0·2	...	...	0·1	...	..		...	...	...	0·3	...	0·2	...	0·1	...	...	...	...	...	...	0·2	...	...	...	0·1
7	...	..	...	...	...	...	...	0·3	0·4	...	...	.	..	...	...	0·3	...	0·1	...	0·2	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	0·4	1·1	1 2	...	...	...	...	...	...	...	...	..	...	0·4	...	...	...	...	...	...	...	..	...	...	0·1
9	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	..	0·2	...	...	...	...	...	...	...	...	..	..	0·4
10	0·1	...	..	...	...	...	...	...	0·2	...	...	1·0	...	...	0 2	...	...	0·2	0·1	0·4	...	0·2	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	0·1	...	...	...	..	...	...	...	...	...	2·0	...	...	...	...	...	...	...	...	...	...	...	..	...
Noon	...	...	...	...	...	...	...	0·1	0·1	...	...	. .	...	...	...	...	0·1	0·8	0·1	...	0·1	0·8	...	...	...	...	...	...	...	...	...
13h	...	0·2	...	...	...	...	...	..	..	...	...	0·3	...	...	...	...	...	0·2	0·1	0·6	0·1	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·8	0 4	0·7	...	...	...	...	..	...	...	...	...	...	...
15	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	.	1·5	0·2	0·5	0·1	0·2	...	...	...	...	...	...	...	...	...
16	...	1·6	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	1·0	0 1	2·5	...	...	...	...	...	...	...	...	...	...	...
17	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·1	2·1	...	...	...	..	...	...	...	...	...	...	...
18	...	...	...	...	...	0·1	...	..	...	...	...	3·5	...	...	...	0·1	..	0·6	0·1	0·2	...	0·1	...	...	...	...	...	...	...	0·2	...
19	...	0·2	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	1·0	0·1	0·2	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	.	...	...	...	...	0·4	...	0·8	...	...	...	..	...	0·1	0·1	0·2	...	...	...	...	...	...	...	...	...	...	0·2
21	...	...	...	...	...	0·3	0·1	...	...	0·3	...	0·8	..	...	...	...	...	0·1	0·2	0·2	...	...	...	...	...	...	...	...	...	0·2	...
22	.	...	...	...	...	0·2	..	..	...	...	...	0·6	0·1	...	...	0·1	0·2	0·2	0·2	...	...	..	...	...	...	...	...	...	...	...	0·2
23	...	..	...	...	0·3	...	...	...	...	0·4	..	...	0·1	...	...	1·4	...	02	0·3	...	...	...	...	..	...	...	...	...	..	...	0·6
24	...	...	...	...	...	...	...	...	...	1·0	...	...	...	..	...	0·1	...	07	0·2	...	...	...	...	...	...	...	..	...	...	...	0·5

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR JULY, 1935.

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	...	...	...	...	1·4	1·2	...	...	...	0·3	1·2	1·1	...	1·4	...	0·4	1·5	1·0	1·4	0·5	...	...	...	...	...	...	0·1	...	...	..	...
2	...	...	...	...	1·2	0·6	...	...	...	0·5	0·2	...	...	1·3	0·2	...	1·2	0·4	1.9	0·5	...	...	...	...	...	...	0·1	...	...	...	0·3
3	...	...	...	...	0·5	0·9	0·4	0·8	...	0·2	..	0·3	...	0·3	...	...	...	0 7	4·3	0·9	...	...	...	...	...	...	...	...	...	...	0·4
4	...	...	...	...	0·7	...	0·6	...	..	...	..	...	...	...	...	...	...	0·4	0·9	1·1	0·6	...	...	...	...	...	...	...	0·4	...	0·1
5	..	...	...	...	3·9	0·2	...	3·8	0·3	...	...	...	...	...	0·2	...	1·1	5·8	1·1	0·5	...	...	...	...	...	.	0 2	...	...	...	...
6	...	...	...	...	3·8	0 4	...	0·7	0·9	..	...	0·5	...	...	0·4	0·4	0·2	0·6	1·0	0·3	...	...	...	..	...	...	...	...	...	...	0·6
7	...	...	...	...	0·9	...	0·2	0·8	2·2	...	...	...	...	...	0·1	0·2	...	1·9	0·7	0·8	...	...	...	...	...	...	...	0·1	...	...	0·1
8	...	...	...	...	0·2	2·4	...	1·1	1·0	...	0·4	...	...	...	...	...	0·4	1·1	3·3	3 5	...	...	...	...	0·7	...	...	...	...	...	0·5
9	...	..	...	...	0·1	0·5	0·2	0·9	...	...	1·1	0·4	...	...	0·6	2·4	0·2	1·2	1·2	...	...	...	...	...	0 ·1	...	...	...	...	...	0·3
10	...	...	..	...	...	...		2·8	..	...	...	...	...	0·1	...	0·7	...	2·0	2·9	...	...	...	...	...	...	...	...	...	...	...	0·1
11	...	...	...	...	...	...	...	0·1	...	...	1·2	2·0	...	...	0·3	0·6	0·3	3·7	2·4	0·6	0·3	0 3	...	...	...	...	...	...	...	...	0·2
Noon	...	...	...	...	0·4	0·7	...	0·3	...	...	1·1	0·3	...	...	...	...	0·3	5·1	1·2	0·2	...	0·8	...	...	...	...	...	...	...	...	0·1
13h	...	...	...	...	0·2	...	...	0·7	...	...	1·0	1·0	...	...	...	...	...	1·0	0 6	...	0·2	0·2	...	...	...	...	...	...	...	...	0·4
14	...	25·3	...	...	..	...	...	0·2	...	...	1·5	1·3	...	...	...	...	0·9	0·8	1·3	1·1	0·2	...	...	...	...	...	...	...	...	...	0·1
15	...	...	...	...	0·1	..	...	...	...	...	2·6	0·6	0·2	...	...	...	0·6	4·9	0·3	2·6	0·2	...	...	...	...	...	...	...	...	0·5	...
16	...	...	...	...	...	...	...	...	0·4	...	1·1	0·8	...	...	...	...	...	0·9	0·7	0·4	0·3	...	...	.	.	...	...	...	...	...	...
17	...	...	...	...	...	0·1	...	...	0·1	...	1·6	1·1	..	...	...	...	...	0·8	0·6	3·3	0·3	...	...	...	...	...	...	...	...	...	...
18	0·1	...	...	...	...	0·2	0·2	.	1·1	0·5	1·3	1·1	0·8	...	...	1·0	...	2·3	0·8	2·2	0·3	..	...	...	...	...	...	...	...	...	...
19	...	1·2	...	...	...	0·4	...	0·2	0·8	...	1·1	0·3	0·4	...	...	0·3	1·2	1·0	0·7	0·3	0·2	...	...	...	...	...	...	...	...	...	...
20	..	2·1	...	0·6	...	1·7	0·2		0·9	0·4	0·2	0·4	0·8	...	...	0·4	0·3	2·7	1·3	0·1	...	...	...	...	...	..	...	...	..	...	0·9
21	...	0·4	...	1·1	...	1·9	0·3	0·2	0·7	0·5	0·6	1·5	0·4	...	...	1·1	0·3	2·2	0·8	0·1	...	...	..	...	...	...	. .	...	...	..	...
22	...	...	...	0·8	0·6	...	...	...	0·3	1·7	0·5	1·3	0·9	...	...	1·6	0·1	2·2	0·3	0·7	...	...	...	...	...	...	...	...	...	...	0·2
23	...	...	...	0·5	...	...	...	...	...	3·9	...	0·4	0·9	...	...	1·6	1·8	0·8	0·9	...	...	...	...	...	...	...	...	...	...	...	0·5
24	...	0·1	...	1·2	0·7	...	0·2	0·5	0·3	0·2	0 4	...	1·3	...	...	3·4	0·9	0·8	0·8	0·6	...	...	...	...	...	...	...	...	...	0·1	0·4

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of JULY, 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	3·95	100·3	2·32	13
*	St. Antoine	50	5·50	139·7	2·72	19
*	Belmont	50	6·21	157·7	2·86	18
*	Poudre d'Or	20	7·60	193·0	2·89	18
	Mon Loisir S. E.	300	7·84	199·1	3·54	17
	Forbach	300	5·52	140·2	2·68	16
*	Couroupa...	...	6·10	154·9	3·07	20
*	Labourdonnais	290	6·14	156·0	3·10	12
	Mapou	...	5·55	141·0	...	12
	Beau Séjour	300	6·38	162·1	4·16	19
	Mont Piton	650	6·58	167·1	4·16	17
	Mon Choix	700	5·43	137·9	3·54	16
	Antoinette	640	9·80	248·9	3·96	17
	Mon Songe	620	10·35	262·9	4·23	18
	Botanical Gardens... ...	325	5·12	130·0	3·11	21
*	The Observatory	179	2·27	57·7	2·28	23
	Solitude	175	1·75	44·5	1·44	8
	Triolet	...	...	...	...	...
	St. André...	90	3·37	85·6	1·90	7
	La Nicolière	...	11·42	290·1	4·74	22
	California	...	12·22	310·4	4·17	19
	Australia	...	...	...	..	...
2 & 3	Union Réguard S.E.(Flacq)...	600	10·88	276·4	4·83	21
	Constance d'Arifat L.G. ...	100	9·13	231·9	3·73	23
	Rich Fund	600	10·14	289·6	4·79	23
	La Joffrette	...	11·83	300·5	...	18
	Belle Vue (Allendy) ...	...	10·07	255·8	4·07	23
4 *	Sans Souci	900	22·42	569·5	9·73	23
	Beau Champ (G.R.S.E.) ..	20	5·98	151·9	3·19	20
	Olivia	400	12·59	329·8	5·57	24
	Trois Ilots	...	8·46	214·9	...	24
	Belle Rive	400	14·30	363·2	6·43	25
	Sébastopol	700	20·33	516·4	...	22
	Bonne Veine	400	17·88	454·2	7·60	22
5	Rose Belle	850	18·97	456·4	8·40	25
	New Grove	650	14·14	359·2	...	22
	Mon Trésor	...	8·42	213·9	...	17
	Mon Désert (Carié) ...	75	6·63	168·4	2·98	19
	Ferney	20	...	...	5·00	...
	Sauve Terre	...	6·31	160·3	...	20
6	Tivoli	1,300	16·58	421·1	9·38	26
	La Flora...	1,050	18·99	482·3	8·67	26
6	Riche Bois (Brit.) ...	650	10·48	266·2	6·92	22
	Britannia (Estate) ...	700	13·48	342·4	6·45	22
	Savannah (Mill) ...	200	8·26	209·8	3·86	22
	St. Aubin	300	7·78	197·6	4·53	20
	St. Avold	900	17·50	444·5	7·38	25
	Colmar	400	10·44	265·2	5·27	21
	Union S. E.	...	6·80	172·7	3·95	15
	Fontenelle	320	9·56	242·8	4·89	14
	Choisy	200	7·58	192·5	2·90	17
	Beau Bois	...	15·14	384·6	6·35	21
	Bel Air	...	10·51	267·0	3·70	16
	St. Félix	...	13·73	348·7	...	17
7,8,9&10	Bel Ombre	40	6·67	169·4	2·94	15
	Beau Champ (B. du Cap)	70	7·15	181·6	2·75	14
	Frédérica	...	10·69	271·5	...	15
	Pierre Fond	...	3·02	76·7	1·14	20
	Ste. Marie	...	11·14	283·0	...	13
	Hussonia Limited .	..	0·70	17·8	...	7
11	Curepipe Gardens ...	1,840	20·16	512·1	8·17	30
	Mare aux Vacoas (G.E.)	1,850	24·28	616·7	11·28	24
	Mare aux Vacoas (Arn.)	1,830	28·68	728·5	11·21	25
	La Marie Filter Bed ..	1,700	16·34	415·0	6·75	23
*	Sophie	...	25·20	650·2	...	22
	Réunion	1,420	12·12	307·8	5·15	22
*	Aerological Station ...	1,393	10·50	266·8	4·50	27
	Phœnix	...	2·47	62·7	4·20	14
	Quatre Bornes... ...	...	1·38	35·1	...	10
12	Quatre Bornes (Board) ...	1,090	5·08	147·3	...	13
*	Le Réduit (D. of A.) ...	1,000	4·06	103·0	2·50	28
	Alma...	1,460	18·20	462·3	7·97	18
	Bagatelle	1,250	11·58	294·1	3·96	19
	Highlands	1,300	13·50	342·9	4·49	19
	Trianon	950	1·26	32·0	2·73	13
	Val Ory	1,100	...	...	3·10	...
	Bassin	...	3·80	96·5	2·15	18
	Hermitage	1,450	17·80	452·1	7·82	20
	Ebene	...	4·76	120·9	...	19
	Bega...	...	3·60	91·4	...	18
	Mon Rêve	...	6·09	154·7	...	20
	Mont Pevril	...	6·20	157·5	...	18
	Minissy	1,150	6·71	170·4	3·20	20
	Plaisance	...	6·52	165·6	...	20
	La Ferme	350	0·67	17·0	1·25	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 JULY 1935.

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	11¼	185	6·5*	193	5·2*	...	...	...	...	...	...	...	...
4	8¼	...	...	...	...	...	...	...	...	...	...	330	3·3
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	9½	135	35·8	120	15·9	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	11¾	...	...	...	...	296	2·9*	...	...	...	...	...	...
13	11¾	...	...	...	...	315	...	...	...	...	...	...	...
14	9½	135	38·7	135	32·2	...	...	...	...	...	...	...	...
15	9½	146	30·5*	121	6·4*	...	...	...	...	...	...	...	...
16	11½	141	19·1*	124	9·4*	146	6·4*	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	11¾	75	12·9	90	18·8	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	9¼	105	38·7	105	19·7	...	...	...	...	...	...	285	2·6
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	9¼	90	26·8	90	19·3	...	...	...	...	...	...	300	...
24	11½	116	19·2*	124	10·2*	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
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	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	14¾	150	13·9	180	11·9	...	...	...	...	...	...	...	...
4	15¼	...	...	165	8·7	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	15¼	...	...	135	12·6	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	15½	...	...	...	...	270	...	...	...	...	...	...	...
18	15¼	90	19·3	90	11·4	...	...	...	...	...	...	...	...
19	13¾	116	40·0*	116	35·0*	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...
21	15½	96	14·4*	102	8·6*	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...
31	13¾	100	20·7*	109	10·1*	...	...	...	...	...	...	...	...

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.

NEW SERIES (MONTHLY) VOL. XXI. PART 8. PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

AUGUST, 1935

M. HERCHENRODER, B. Sc.

ACTING 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 AUGUST 1935.

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)
AUG.	° ′			′		
1	13 00·1	.22525	.29679	6·5	28	28
2	00·9	523	681	7·7	30	24
3	00·9	521	682	7·0	21	27
4	01·2	534	677	7·0	33	28
5	01·2	533	678	7·3	33	26
6	00·9	537	682	4·5	35	15
7	01·5	526	678	11·2	40	30
8	00·8	532	679	9·2	27	26
9	01·1	535	680	4·5	17	22
10	00·9	533	681	6·3	21	23
11	01·3	534	679	8·0	29	27
12	00·8	534	681	4·5	36	20
13	01·2	535	683	8·0	35	21
14	01·8	529	682	4·7	17	16
15	02·0	526	677	5·3	30	20
16	01·9	527	675	5·0	34	15
17	00·4	533	679	5·3	28	21
18	00·6	537	681	5·3	28	18
19	00·6	536	680	5·5	53	21
20	00·8	522	681	4·5	31	24
21	00·7	510	685	4·3	49	9
22	00·6	517	684	5·0	34	14
23	01·0	518	687	6·0	42	18
24	00·9	516	682	5·8	27	24
25	01·1	521	683	5·5	34	13
26	00·7	528	679	5·3	23	25
27	00·8	534	682	6·2	39	20
28	01·0	535	678	7·7	53	26
29	00·4	535	680	6·0	40	18
30	00·6	534	677	7·5	37	29
31	00·4	532	579	8·8	40	23
Mean	13°00·95	·22529	·29680	6·30	33·0	21·6

Description of the Principal Magnetic Disturbances.

The month was extraordinarily quiet.

Declination.—Quiet throughout the month.

Horizontal Force.—19d. to 23d. Slightly disturbed; minor irregular fluctuations. 27d. Sudden commencement at 21^h30^m. of a short disturbed period. Rapid oscillations superposed on the disturbed trace. The disturbance gradually dies down during the first part of 28d.

Vertical Force.—19d. Small pulsations at times. 27d. Sudden commencement at $21^h.30^m$. of a short disturbed period. Rapid oscillations on the trace. The disturbance ceases after 28d. 7^h.

T=·37262 : Mean Dip=52° 47′·95 : (X=·21950 : Y=—·05074 : Z=·29680).
† 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 AUGUST 1935.

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	° ′	
AUG. 6·14·03	12 58·09	AUG. 6· 9·08	·22547	AUG. 6·14·07	52·46·18	·29674
9·14·02	13 00·26	9· 9·32	·22542	9·14·17	52·47·25	·29678
21·15·23	12 58·42	13· 9·39	·22549	21·15·15	52·50·81	·29675
27·14·43	13 00·63	20· 9·08	·22539	27·14·55	52·47·75	·29671
		27· 9·57	·22534			
		30· 9·35	·22548			

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

AUGUST 1935.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	12° +																
Midnight	60·5	61·0	61·5	61·5	61·5	61·5	61·8	61·5	60·7	61·0	61·5	61·3	61·0	61·0	61·7	61·5	Midnight
1h	60·3	61·0	61·7	61·5	61·5	60·7	61·5	61·5	60·5	61·0	61·5	61·0	61·0	61·3	62·0	61·5	1h
2	60·5	61·0	61·5	61·5	61·5	60·5	61·0	61·3	60·5	60·7	61·3	61·0	61·0	61·5	62·0	61·5	2
3	60·5	60·7	61·5	61·5	61·3	60·5	61·0	61·0	60·5	60·5	60·7	61·0	61·0	61·0	61·8	61·5	3
4	60·5	60·5	61·5	61·3	61·5	61·0	60·3	60·5	60·3	60·0	61·0	60·7	60·7	61·0	61·8	61·3	4
5	59·5	60·3	61·7	61·3	60·7	60·7	59·5	60·0	60·3	60·3	60·7	60·5	60·5	60·7	61·5	61·0	5
6	60·0	60·0	61·3	61·3	60·3	60·5	59·7	60·3	60·3	60·0	60·3	60·0	60·3	60·5	61·3	60·5	6
7	58·7	59·5	60·0	60·2	60·7	59·5	59·3	59·7	59·7	59·0	60·0	59·7	59·5	59·5	60·5	59·7	7
8	59·6	59·7	60·7	60·7	63·0	59·3	60·0	60·5	60·4	58·7	60·7	60·0	60·3	60·0	61·0	59·5	8
9	62·0	62·0	62·3	63·3	64·0	60·5	63·0	62·5	62·0	62·0	62·5	62·5	62·5	63·0	63·5	62·0	9
10	62·3	64·0	63·5	64·5	64·3	62·0	65·0	64·0	63·0	63·5	64·0	63·3	64·5	64·0	65·3	64·0	10
11	62·5	64·7	63·5	64·5	62·5	63·0	68·5	64·7	63·5	64·0	66·0	63·5	65·5	64·2	65·0	64·5	11
Noon	61·0	63·0	61·0	62·0	62·3	62·5	68·0	64·5	63·3	64·0	65·0	63·0	65·3	64·0	63·5	64·3	Noon
13h	57·5	60·5	58·5	60·0	60·0	61·5	64·0	62·5	63·0	62·5	63·5	59·5	64·0	63·0	62·5	63·5	13h
14	56·5	57·3	56·5	58·0	58·5	59·0	60·0	57·5	61·0	61·0	61·0	59·0	60·0	61·0	60·5	62·0	14
15	56·0	57·0	56·5	57·5	57·0	58·5	57·3	55·5	59·0	59·0	58·5	59·0	57·5	60·5	60·0	61·0	15
16	57·5	58·5	58·0	58·5	58·0	59·0	57·3	56·0	59·0	57·7	58·0	59·0	58·5	61·0	60·0	60·0	16
17	60·0	60·5	60·0	60·0	60·3	60·5	59·0	59·0	60·0	60·0	60·0	60·0	60·0	61·5	61·0	61·0	17
18	61·0	61·5	61·5	61·5	61·5	62·0	61·0	61·0	61·3	60·7	60·7	61·0	60·7	62·3	62·5	62·5	18
19	61·5	61·7	61·7	62·0	62·3	62·0	61·8	61·5	61·7	61·0	61·0	61·3	61·3	62·5	62·5	62·5	19
20	61·7	62·0	62·0	62·0	62·3	62·0	61·8	61·5	61·8	61·0	61·0	61·5	61·5	62·5	62·7	63·0	20
21	61·3	62·0	62·2	62·0	62·0	62·0	61·7	61·3	61·7	61·0	61·0	61·0	61·3	62·0	62·5	62·5	21
22	61·2	61·8	62·0	61·7	61·5	62·0	61·5	61·3	61·5	61·0	61·0	61·0	61·0	62·0	62·0	62·3	22
23	61·0	61·5	61·5	61·3	61·0	61·7	61·5	61·0	61·3	61·5	61·0	61·0	61·0	61·7	61·5	62·0	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day / Hour
	12° +																
Midnight	61·9	60·5	60·7	61·5	61·7	61·5	61·5	61·5	61·7	61·3	61·0	61·5	61·0	60·5	60·5	61·3	Midnight
1h	61·8	60·3	60·3	61·7	61·5	61·3	62·0	61·3	62·0	61·0	61·0	60·5	61·3	60·7	60·7	61·2	1h
2	61·7	60·0	60·0	61·7	62·3	61·5	61·7	61·5	62·0	61·0	61·0	61·0	61·0	60·5	61·0	61·2	2
3	61·7	60·3	60·5	62·0	62·2	60·5	61·7	60·7	61·0	61·0	60·7	61·3	60·7	60·7	61·3	61·0	3
4	61·7	60·7	60·7	61·7	62·3	60·0	60·5	60·0	60·5	61·0	60·5	61·5	60·7	61·0	60·7	60·9	4
5	61·5	61·0	61·0	61·7	61·3	60·0	60·5	60·3	60·0	60·7	60·5	61·5	60·5	61·0	61·0	60·7	5
6	60·5	60·7	60·7	61·0	60·5	60·0	59·0	60·0	59·5	60·3	60·0	61·0	60·0	60·3	61·0	60·4	6
7	59·0	59·5	60·0	60·0	59·0	59·3	58·5	58·7	58·0	59·7	60·0	59·5	57·5	59·0	60·0	59·4	7
8	59·0	59·7	60·0	59·5	58·0	60·0	58·5	59·3	59·0	60·0	63·0	60·3	58·5	59·5	59·5	59·9	8
9	60·5	61·0	61·5	61·0	60·0	61·5	60·5	62·0	60·5	62·0	64·7	62·5	61·0	61·0	61·5	62·0	9
10	61·5	62·5	62·5	61·3	61·5	63·0	62·0	63·5	63·0	63·0	64·0	63·5	62·7	63·5	63·5	63·3	10
11	62·3	63·0	63·0	62·0	61·5	62·7	64·5	64·5	63·5	63·3	62·0	65·0	63·5	65·0	64·3	63·9	11
Noon	61·5	63·0	60·5	62·0	61·0	61·5	64·3	63·0	63·0	63·0	61·0	65·0	63·0	64·5	63·0	63·1	Noon
13h	59·5	61·0	60·0	61·5	61·0	60·5	63·0	61·5	63·0	61·0	60·0	63·0	61·0	61·0	60·0	61·4	13h
14	57·0	59·3	59·0	60·5	59·5	59·0	62·0	60·0	62·5	59·3	59·5	59·5	59·3	58·5	57·7	59·4	14
15	57·0	57·7	57·5	59·0	59·7	58·5	60·5	59·0	61·0	58·5	59·0	57·5	57·5	58·3	56·0	58·3	15
16	58·5	58·0	58·0	57·5	58·5	58·0	59·0	59·0	59·5	58·0	58·5	57·3	58·0	57·5	55·5	58·3	16
17	59·5	60·0	59·0	57·5	59·0	59·5	59·5	59·0	60·0	59·0	58·7	58·5	59·3	58·5	58·0	59·6	17
18	60·5	61·0	60·5	60·0	60·3	60·0	60·5	60·0	61·0	60·0	60·0	59·7	60·5	60·0	59·5	60·8	18
19	61·0	61·5	62·0	61·0	61·0	61·0	60·7	60·7	61·0	60·5	60·5	60·5	60·7	60·5	60·5	61·3	19
20	61·3	61·7	61·3	61·0	61·5	61·5	61·0	61·0	61·0	60·7	60·7	60·3	60·7	60·7	60·7	61·5	20
21	60·7	61·5	61·5	61·5	61·5	61·5	61·0	61·5	61·3	60·7	60·5	60·7	60·5	60·7	61·0	61·4	21
22	60·5	61·3	61·5	61·5	61·7	60·5	61·0	61·3	61·5	61·0	60·5	62·0	60·5	60·7	61·0	61·3	22
23	60·3	61·0	61·3	61·5	61·5	61·5	61·5	61·3	61·5	61·3	60·7	61·5	60·7	60·5	60·7	61·2	23

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

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

AUGUST 1935.

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	531	520	518	522	531	540	523	526	530	529	529	530	525	528	528	529	Midnight
1h	531	516	517	523	530	530	525	527	530	530	530	530	527	525	530	531	1h
2	535	515	518	527	530	535	528	527	530	530	527	530	526	531	531	531	2
3	537	523	522	528	532	541	525	529	535	533	531	530	528	530	533	533	3
4	524	527	522	529	535	537	522	530	537	537	530	531	530	530	535	534	4
5	528	530	523	523	539	540	538	532	540	537	532	532	531	529	539	535	5
6	526	530	526	524	541	543	539	537	541	539	535	532	532	529	540	539	6
7	527	531	529	538	545	547	540	540	542	538	542	535	537	535	541	545	7
8	533	533	531	541	551	551	543	542	542	541	549	541	542	537	545	546	8
9	535	534	529	541	555	552	547	547	540	542	551	549	547	535	543	543	9
10	532	533	527	540	548	549	538	550	540	540	551	554	550	535	549	525	10
11	533	530	525	542	530	552	529	545	538	535	548	558	560	536	551	523	11
Noon	532	540	521	552	528	548	523	531	540	540	542	558	558	537	552	523	Noon
13h	538	533	515	555	522	552	515	525	538	540	547	550	552	534	552	520	13h
14	530	530	510	553	525	550	507	523	539	535	533	538	545	530	545	515	14
15	518	523	513	542	531	537	508	525	535	530	530	527	533	523	530	512	15
16	515	517	516	530	530	531	512	529	535	521	523	524	525	520	522	515	16
17	514	513	517	527	529	530	520	525	531	523	522	522	525	520	523	520	17
18	510	510	521	526	531	518	523	527	532	527	527	522	527	525	529	524	18
19	517	513	520	525	522	517	524	527	533	528	526	522	527	526	527	522	19
20	520	513	521	529	531	522	522	528	531	530	525	524	528	527	527	522	20
21	515	514	523	530	529	524	525	528	531	527	525	525	528	526	527	521	21
22	510	515	521	531	528	526	524	528	528	525	527	525	529	525	528	520	22
23	513	516	521	532	525	523	525	528	525	525	528	524	528	527	526	518	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	512	535	527	520	508	512	520	513	510	517	527	540	522	535	526	524·7	Midnight
1h	530	535	530	518	507	515	515	515	512	520	527	552	525	532	526	525·5	1h
2	527	534	532	530	505	513	514	510	510	522	527	540	523	529	530	525·7	2
3	529	537	535	525	510	525	514	511	518	527	530	538	523	530	533	528·2	3
4	532	538	540	530	512	530	523	515	521	528	530	542	525	531	537	529·8	4
5	535	538	543	523	522	525	522	516	530	530	530	542	527	535	540	531·8	5
6	538	540	550	526	518	524	530	517	533	531	540	547	528	538	538	535·9	6
7	538	545	553	530	518	530	529	521	539	538	542	545	533	538	538	536·0	7
8	540	552	555	540	525	531	533	526	540	540	545	549	540	540	542	540·8	8
9	540	552	555	540	532	529	535	522	540	532	549	560	543	545	549	542·4	9
10	540	550	562	531	529	527	540	520	541	531	548	565	560	549	546	541·9	10
11	538	540	563	535	527	527	537	528	530	535	542	545	562	553	544	540·0	11
Noon	538	541	560	520	520	530	530	530	533	539	535	540	556	555	552	538·8	Noon
13h	535	538	550	525	500	520	513	525	520	539	525	533	545	551	553	534·2	13h
14	538	540	550	522	500	510	512	523	515	531	525	530	535	552	545	530·2	14
15	533	540	540	513	490	510	510	520	515	523	523	525	535	540	530	524·6	15
16	525	535	525	510	483	500	498	515	511	520	522	518	535	528	521	519·7	16
17	525	529	515	510	485	497	500	503	507	518	521	518	532	520	513	517·9	17
18	530	529	510	515	495	508	509	505	510	523	529	523	532	520	516	520·4	18
19	532	530	510	517	500	510	510	511	509	525	529	523	530	518	516	520·8	19
20	533	530	515	513	500	503	510	512	510	527	533	525	530	520	519	521·9	20
21	533	527	515	516	505	505	512	511	512	523	535	515	529	523	520	521·9	21
22	534	525	512	515	525	509	517	510	512	521	560	512	529	522	521	523·0	22
23	534	524	510	509	525	510	514	507	515	527	540	515	534	524	521	522·4	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)

AUGUST 1935.

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	683	683	686	684	682	684	683	682	681	681	682	680	681	682	678	678	Midnight
1h	682	683	685	683	682	682	683	682	681	681	681	680	681	682	677	677	1h
2	681	682	684	683	682	682	683	682	682	682	681	680	680	681	677	677	2
3	680	682	683	682	681	681	683	682	681	682	682	681	680	681	677	677	3
4	682	680	683	682	680	681	683	682	682	682	682	682	681	681	677	677	4
5	682	680	683	681	680	681	681	681	682	682	682	682	682	682	677	677	5
6	683	680	683	681	680	680	681	680	681	682	682	682	682	682	677	677	6
7	681	680	682	680	679	677	681	679	680	680	682	681	680	681	677	677	7
8	683	682	684	680	682	679	683	681	683	683	683	684	684	685	683	678	8
9	686	686	690	684	686	685	686	685	686	689	684	686	692	691	686	675	9
10	687	688	693	684	687	691	687	686	690	690	687	689	693	693	687	672	10
11	686	684	689	675	684	691	687	683	690	688	682	687	691	690	679	666	11
Noon	673	675	680	665	677	689	680	683	683	680	675	678	686	685	669	663	Noon
13h	662	667	670	658	667	680	665	673	674	674	664	670	683	677	668	663	13h
14	659	664	666	656	661	676	658	661	670	670	660	669	673	677	667	667	14
15	663	669	670	657	663	677	657	660	668	667	663	673	672	677	669	673	15
16	672	679	675	667	667	679	663	667	672	670	668	677	679	678	673	675	16
17	679	684	678	675	675	681	671	675	677	677	677	682	685	680	678	676	17
18	683	686	683	680	679	683	677	680	680	683	681	684	687	682	679	677	18
19	684	686	683	681	680	683	679	681	681	683	682	685	687	682	679	678	19
20	684	687	684	682	680	683	680	681	681	683	682	684	686	682	680	678	20
21	684	687	684	682	681	683	680	681	681	682	682	683	685	681	680	678	21
22	685	687	683	682	682	683	681	681	680	682	682	682	684	681	680	677	22
23	685	687	684	682	682	683	681	681	680	682	682	682	683	680	679	677	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	674	682	683	685	686	687	686	687	685	683	681	679	683	682	683	682·5	Midnight
1h	674	682	683	685	686	687	687	686	685	683	681	677	681	681	683	682·0	1h
2	674	682	683	685	687	687	687	686	685	683	681	678	680	681	682	681·9	2
3	673	682	682	683	687	686	687	686	684	683	681	679	680	681	681	681·6	3
4	674	682	681	683	686	684	684	686	684	683	681	679	680	681	680	681·5	4
5	677	682	681	683	684	684	684	686	684	683	682	679	680	680	679	681·4	5
6	681	682	680	682	682	684	683	685	683	683	682	679	680	680	679	681·2	6
7	681	680	679	680	680	682	681	683	681	682	681	678	678	678	680	680·0	7
8	681	683	682	680	680	684	686	684	683	685	686	683	673	683	680	682·3	8
9	680	686	685	685	683	689	693	689	688	686	692	685	688	686	683	686·3	9
10	690	687	687	688	685	691	696	690	688	687	693	686	686	685	686	688·2	10
11	689	686	686	687	685	687	699	683	690	683	690	683	684	683	684	685·5	11
Noon	687	678	680	682	683	682	695	675	683	677	685	678	682	677	678	679·5	Noon
13h	679	673	677	679	686	677	692	670	679	668	677	674	677	670	670	673·0	13h
14	671	670	667	673	685	678	686	666	677	661	673	665	672	661	664	668·5	14
15	669	669	666	666	684	679	682	667	677	660	673	660	670	657	663	668·4	15
16	674	673	671	664	683	679	681	672	677	664	673	665	673	660	666	672·1	16
17	677	679	675	670	683	683	683	677	679	672	678	673	677	663	673	677·2	17
18	682	682	681	678	686	683	686	681	684	678	683	679	681	671	679	681·2	18
19	682	683	683	681	687	685	686	683	685	680	683	681	683	678	682	682·5	19
20	683	683	683	682	688	686	687	683	686	682	683	681	683	681	683	682·9	20
21	683	683	683	683	689	687	687	684	685	682	683	683	683	682	683	683·0	21
22	683	683	684	683	688	687	687	684	685	682	680	685	683	683	684	683·0	22
23	685	683	686	686	687	687	687	684	684	682	679	683	683	683	684	682·9	23

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of AUGUST 1935.

Month and day 1935.	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	973·5	16·8	1·2	14·6	87	16·5	100	8·1	6	14·9	15·7	18·5	15·7	20·0	14·2	5·8	5·8	141	8·6	77
2	971·6	19·6	1·9	16·2	80	18·2	90	7·2	3	15·8	18·0	20·7	17·0	21·5	15·8	5·7	2·6	31	8·9	79
3	970·3	19·4	2·1	15·6	79	17·6	65	5·4	6	16·8	18·6	21·3	16·8	22·3	16·8	5·5	1·0	22	9·3	83
4	970·4	20·3	3·0	14·9	71	16·8	100	4·5	6	14·4	18·0	22·4	15·4	23·0	13·6	9·4	0·8	9	9·9	88
5	971·4	20·3	3·9	13·3	64	15·1	100	7·2	2	14·5	19·6	20·6	15·0	21·7	14·5	7·2	...	...	10·5	94
6	970·9	20·0	3·3	14·1	68	15·9	90	6·7	1	15·5	19·3	20·4	14·1	21·6	14·1	7·5	...	...	10·1	90
7	969·1	19·8	3·7	13·1	65	14·9	75	7·6	1	14·2	18·2	18·2	16·7	21·4	14·1	7·3	...	...	8·3	74
8	968·7	20·5	3·2	14·8	70	16·7	90	5·4	6	15·9	18·4	22·0	17·0	23·6	15·6	8·0	0·1	2	3·8	34
9	969·1	21·9	2·4	17·7	77	20·1	65	4·5	5	17·0	19·4	22·5	19·0	24·6	17·0	7·6	...	...	4·2	37
10	970·6	21·6	2·6	17·0	75	19·2	100	2·7	10	18·6	20·4	20·7	18·8	24·0	18·0	6·0	5·5	107	2·2	20
11	973·1	21·5	2·2	17·6	78	19·9	110	4·5	9	18·6	19·1	22·1	19·3	23·2	18·1	5·1	1·0	33	7·3	65
12	973·4	19·5	0·8	18·0	91	20·4	130	4·9	10	18·5	18·9	19·5	16·2	20·0	18·1	1·9	0·9	17	1·6	14
13	972·2	18·5	2·1	18·3	98	20·8	130	3·6	10	13·1	18·0	21·3	16·8	22·0	11·6	10·4	...	...	8·0	71
14	970·8	19·3	4·1	11·9	62	13·8	110	2·2	0	14·5	19·1	22·0	15·7	23·1	12·5	10·6	0·2	4	9·8	86
15	969·6	19·9	3·4	13·8	68	15·6	120	2·2	5	11·7	17·8	22·1	14·8	22·6	11·6	11·0	...	...	9·9	87
16	969·7	20·7	3·0	15·3	71	17·2	110	4·0	0	15·0	19·0	21·4	15·3	23·2	14·8	8·4	...	...	7·0	61
17	970·7	21·3	3·8	14·6	66	16·5	65	2·2	1	14·2	20·0	24·4	16·7	25·4	13·6	11·8	...	...	8·1	71
18	974·2	20·5	2·3	16·4	77	18·5	70	6·3	8	15·8	18·5	23·1	19·1	23·4	15·8	7·6	...	...	8·1	71
19	970·0	22·3	4·0	15·2	64	17·1	45	6·7	7	17·3	21·0	24·0	16·4	24·5	16·7	7·8	...	...	10·1	89
20	970·6	23·0	4·5	15·2	61	17·1	Calm		6	15·3	23·0	22·6	17·2	25·6	13·6	12·0	...	...	7·0	61
21	971·3	22·4	2·8	17·5	74	19·8	100	3·1	8	15·9	21·0	21·9	16·9	23·6	15·6	8·0	...	...	11·0	96
22	971·2	20·3	2·9	15·1	72	17·0	110	4·9	7	15·9	19·6	20·4	16·4	22·6	15·5	7·1	...	...	8·6	75
23	969·3	20·9	4·6	12·7	60	14·6	205	2·2	2	15·0	18·0	22·3	17·0	24·0	13·4	10·6	...	...	11·2	97
24	970·5	17·9	3·1	12·2	70	14·1	160	7·2	10	14·4	15·7	17·1	14·3	19·0	14·3	4·7	...	...	6·9	60
25	971·7	17·9	4·5	9·6	59	11·9	100	6·7	6	13·7	14·4	18·2	14·4	19·1	13·6	5·5	...	...	5·3	46
26	972·2	17·4	1·1	9·8	61	12·0	90	7·2	10	14·1	16·7	17·8	15·7	19·9	14·0	5·9	2·2	35	4·2	37
27	972·6	20·1	3·8	13·3	65	15·1	100	7·2	3	15·4	19·5	20·2	15·3	21·5	13·3	8·2	0·2	4	10·6	91
28	972·1	18·5	2·2	14·5	78	16·4	110	4·5	6	15·6	19·7	19·4	16·3	21·6	13·8	7·8	0·9	12	9·6	83
29	971·1	19·6	3·2	13·8	69	15·6	110	11·6	7	15·3	19·4	20·0	16·2	21·2	15·3	5·9	0·8	22	9·2	79
30	971·2	18·3	1·5	15·6	85	17·6	90	4·5	8	16·0	18·9	16·9	15·6	20·2	15·8	4·4	28·4	215	4·1	35
31	971·6	19·3	2·6	14·6	74	16·5	110	9·8	6	15·6	17·7	19·0	16·4	20·6	15·6	5·0	7·3	86	9·0	78
Mean	972·4	19·1	2·9	14·7	72·2	16·7	° ...	5·5	5·6	15·4	18·7	20·8	16·4	22·2	14·8	7·4	57·7	740	7·82	68·7
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	—	24·1mms.
Temperature of the Air	+	3·7°C	Duration of sunshine	+	8·1hrs
Vapour Pressure	+	1·5mbs.	Mean of maximum temperatures	+	2·2°C
Relative Humidity	—	6·4%	,, minimum temperatures	+	1·7°C
Velocity of Wind	—	1·5mps.	Absolute maximum temperature	+	1·0°C
Amount of Cloud	—	0·9	,, minimum temperature	+	2·0°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1935.

Month and Day 1935.	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		
AUG	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min		mm
1	1014·7	+ 0·7	22·5	17·0	5·5	19·4	− 0·3	2·0	15·8	+ 0·6	80	+ 5	17·8	14·5	5·3	118	3·1	5·8
2	1012·8	− 1·2	23·6	17·0	6·6	19·9	+ 0·2	1·7	16·8	+ 1·8	82	+ 7	18·9	16·0	2·8	50	2·5	5·1
3	1011·8	− 2·2	24·1	17·0	7·1	20·3	+ 0·5	2·2	16·4	+ 1·3	78	+ 3	18·5	16·4	1·6	31	0·8	4·7
4	1012·2	− 1·8	24·3	14·7	9·6	19·2	− 0·6	2·1	15·4	+ 0·3	79	+ 4	17·3	11.4	0·0	...	4·3	2·6
5	1013·1	− 0·9	23·9	15·0	8·9	19·2	− 0·6	2·6	14·5	− 0·6	75	0	16·4	11·3	0·0	...	3·1	2·5
6	1012·2	− 1·8	23·8	16·7	7·1	19·6	− 0·2	2·9	14·4	− 0·7	72	− 3	16·3	14·0	0·0	...	4·0	3·1
7	1010·3	− 3·7	23·2	16·1	7·1	19·8	0·0	3·1	14·2	− 0·9	70	− 5	16·1	14·7	0·0	...	3·5	4·8
8	1010·0	− 4·0	25·0	16·8	8·2	20·5	+ 0·7	2·2	16·6	+ 1·5	78	+ 3	18·7	15·0	0·0	...	7·3	4·5
9	1010·7	− 3·3	25·6	18·4	7·2	21·8	+ 1·0	2·0	18·3	+ 3·2	80	+ 6	20·8	17·0	0·0	...	6·7	6·0
10	1012·3	− 1·7	25·1	20·0	5·1	21·5	+ 1·7	1·2	19·4	+ 4·3	83	+ 14	22·3	19·0	26·7	60	3·7	8·2
11	1014·3	+ 0·3	25·8	19·9	5·9	22·2	+ 2·4	1·9	18·9	+ 3·8	82	+ 8	21·0	17·9	0·0	...	4·1	6·9
12	1015·2	+ 1·2	24·0	16·5	7·5	20·7	+ 0·8	1·8	17·5	+ 2·3	82	+ 8	19·8	18·0	0·0	...	3·4	5·3
13	1013·3	− 0·7	24·8	14·0	10·8	18·9	− 1·0	2·5	14·3	− 0·9	75	+ 1	16·2	11·0	0·0	...	3·7	3·6
14	1011·5	− 2·5	24·4	14·1	10·3	18·7	− 1·2	2·2	14·7	− 0·5	78	+ 4	16·6	11·0	0·0	...	2·2	2·8
15	1011·0	− 3·0	24·5	13·6	10·9	18·7	− 1·2	2·2	14·7	− 0·5	78	+ 4	16·6	9·3	0·0	...	3·5	1·7
16	1011·2	− 2·8	24·7	15·0	9·7	19·6	− 0·3	2·3	15·4	+ 0·2	77	+ 3	17·3	11·0	0·0	...	4·2	1·4
17	1011·5	− 2·6	25·0	15·0	10·0	19·7	− 0·2	2·1	15·9	+ 0·7	79	+ 5	17·9	14·8	0·0	...	3·7	2·5
18	1011·9	− 2·2	25·0	17·5	7·5	21·1	+ 1·1	2·0	17·6	+ 2·4	80	+ 6	19·9	16·6	0·0	...	3·8	4·4
19	1011·5	− 2·6	26·0	16·7	9·3	21·1	+ 1·1	2·3	17·0	+ 1·8	77	+ 3	19·2	12·6	0·0	...	3·8	3·0
20	1012·0	− 2·1	26·6	16·2	10·4	21·0	+ 1·0	1·8	17·8	+ 2·6	82	+ 8	20·2	12·4	0·3	6	4·7	5·8
21	1012·9	− 1·3	25·3	16·5	8·8	20·7	+ 0·7	2·0	17·1	+ 1·9	80	+ 6	19·3	13·4	15·9	30	3·5	3·9
22	1012·4	− 1·8	24·5	17·0	7·5	20·5	+ 0·4	2·4	16·2	+ 0·9	76	+ 2	18·2	12·8	0·0	...	4·5	2·7
23	1010·3	− 3·9	26·0	15·6	10·4	20·6	+ 0·5	3·4	14·5	− 0·8	69	− 5	16·4	11·6	0·0	...	3·9	2·3
24	1011·7	− 2·6	22·6	17·7	4·9	19·4	− 0·7	4·3	11·6	− 3·7	61	− 13	13·5	13·2	0·0	...	0·3	5·7
25	1013·5	− 0·8	22·6	16·5	6·1	19·2	− 0·9	3·9	12·1	− 3·2	64	− 10	14·0	12·4	0·0	...	4·3	7·5
26	1014·2	− 0·1	23·5	18·1	5·4	20·0	− 0·2	2·6	15·4	+ 0·2	75	+ 2	17·3	16·8	0·0	...	4·4	6·7
27	1014·1	− 0·2	24·1	15·2	8·9	19·9	− 0·3	2·7	15·0	− 0·2	73	0	16·9	14·6	0·0	...	5·2	1·8
28	1013·3	− 1·0	24·5	13·9	10·6	19·2	− 1·0	2·7	14·3	− 0·9	74	+ 1	16·2	12·5	0·1	2	3·5	2·7
29	1012·9	− 1·4	24·0	18·4	5·6	20·6	+ 0·4	3·1	15·1	− 0·1	71	− 2	17·0	15·3	0·0	...	4·7	4·1
30	1012·6	− 1·7	23·3	17·8	5·5	19·8	− 0·5	1·9	16·4	+ 1·1	81	+ 8	18·5	16·5	3·1	93	5·3	4·8
31	1012·6	− 1·7	24·1	17·5	6·6	20·4	+ 0·1	2·6	15·8	+ 0·5	75	+ 2	17·8	14·4	0·0	...	3·8	2·8
Mean	1012·4	− 1·7	24·4	16·5	7·9	20·1	+ 0·1	2·4	15·8	+ 0·6	76·5	+ 2·4	17·9	14·5	Sum 55·8	Sum 390	4·1	4·2
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 1935.

Pressure kept below normal throughout the month with but few exceptions. Wind velecity was considerably in defect while relative humidity was frequently in excess of the average.

Rainfall was only 11% below normal of which however, the two important falls of the 10th and 21st made up to 76%. Low Cloud Amount and a large percentage of sunshine complete the more noteworthy features of the month.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1935.

Month and Day 1935.	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	8·1	72	4·1	+ 0·4	25·1	23·8	22·2	21·4	or$_0$r$_0$: ber$_0$: bc r$_0$r$_0$: bc .
2	7·2	64	3·3	− 0·4	25·0	23·5	22·1	21·4	b : ber$_0$: bc : beq$_0$: egr : bc : b .
3	9·3	83	3·1	− 0·6	24·9	23·7	22·1	21·7	bc : be r : bc : b .
4	9·5	85	2·2	− 1·5	24·9	24·1	22·2	21·2	b$_0$: b bc .
5	10·4	93	3·1	− 0·6	25·0	24·1	22·2	21·8	b : bc : b .
6	9·9	88	3·5	− 0·2	24·9	23·5	22·2	21·8	b : bc : b : bc .
7	6·1	54	3·4	− 0·3	24·8	23·7	22·2	21·7	b : bc : c : bc : c .
8	8·1	72	2·5	− 1·3	24·8	23·7	22·2	21·8	bc : b : bc .
9	7·5	66	2·5	− 1·3	24·8	24·0	22·1	21·9	b ; bc : c .
10	1·6	14	1·8	− 2·0	24·9	23·8	22·2	22·2	c : bc : og R R : cg .
11	7·8	69	2·1	− 1·7	24·9	23·7	22·2	22·7	c : bc c .
12	4·6	41	3·0	− 0·8	24·8	23·7	22·4	22·9	bc : c : cg : bc : b : b$_0$.
13	8·2	73	1·9	− 1·9	24·8	23·7	22·5	22·6	b$_0$: b : bc .
14	9·1	80	1·7	− 2·1	24·8	23·4	22·5	22·6	bc : b : : bc : b .
15	10·7	94	1·9	− 1·9	24·7	23·6	22·5	22·2	b .
16	10·6	93	2·5	− 1·4	24·8	23·5	22·5	22·4	b .
17	9·0	79	2·2	− 1·7	24·8	23·7	22·5	22·4	b : bc : b .
18	8·5	75	3·0	− 0·9	24·7	23·3	22·5	22·2	b : bc b .
19	9·9	87	2·2	− 1·7	24·9	23·4	22·5	22·5	bc ; b : bc : b .
20	6·9	61	1·7	− 2·2	24·8	23·5	22·5	22·6	b$_0$d$_0$d$_0$: b : bc : c .
21	7·9	69	2·6	− 1·4	24·7	23·6	22·5	22·8	bc : b : bc R : c R R : bc : b : b$_0$.
22	7·8	68	3·1	− 0·9	24·7	23·4	22·6	22·4	b$_0$: b : bc : c : bc : b .
23	9·2	80	2·6	− 1·4	24·6	23·7	22·6	22·6	b$_0$: b .
24	6·1	53	4·5	+ 0·4	24·6	23·5	22·6	22·6	b : bc : c : bc .
25	4·1	36	3·4	− 0·7	24·7	23·5	22·6	22·5	bc : c : bc .
26	6·1	53	4·4	+ 0·3	24·6	23·4	22·6	22·3	c bc : b .
27	10·4	90	4·0	− 0·1	24·6	23·7	22·4	22·2	b .
28	10·1	87	3·0	− 1·1	24·6	23·5	22·4	22·2	b : bc : b .
29	9·1	78	5·2	+ 1·1	24·6	23·5	22·4	22·3	b : bc : b .
30	6·5	56	4·0	− 0·1	24·6	23·3	22·4	22·2	bc : bcd$_0$d$_0$: cd$_0$d$_0$: bcd$_0$d$_0$: b .
31	10·2	88	5·2	+ 1·1	24·4	23·7	22·4	22·2	b ; bc : b .
Mean	8·08	71·0	3·02	−0·87	24·77	23·43	22·38	22·20	.....
Average	7·57	66·6	3·89	...	24·87	23·81	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 1935.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1016·5mbs	at 00·00hr.	on 1st	1008·4mbs	at 15·00hr.	on 23rd
Temperature of the Air	26·6°C	at 13·30hr.	on 20th	13·6°C	at 05·30hr.	on 15th
Daily range of temperature of the Air ...	10·9°C	...	on 15th	4·9°C	..	on 24th
Temperature of the Dew Point	20·5°C	at 19.00hrs.	on 10th	9·7°C	at 05·00hrs.	on 25th
Daily range of temperature of the Dew Point	6·0°C	...	on 12th & 15th	1·5°C	...	on 31st
Minimum on Grass	...	...	...	9·3°C	...	on 15th
Relative humidity	95·7%	at 07.00hrs.	on 12th & 14th	44·6%	at 16·00hrs	on 23rd
Vapour Tension	23·9mbs.	at 19·00hrs.	on 10th	11·9mbs.	at 05.30hrs.	on 25th
Wind Velocity	8·9m.p.s.	at 15·00hrs.	on 29th	0·7mps	..	often
Rainfall in 24 hours	26·7mms.	ending 17hrs.	on 10th	...	...	...
Evaporation in 24 hours...	7·3mms	...	on 8th	0·8mm	...	on 3rd
Duration of sunshine	10·7hrs	...	on 15th.	1·6hrs.	...	on 10th

Mean Day Temperature of Air, 22·12°C. Average 21·78°C. Mean Night Temperature of Air, 18·06°C. Average 18·05°C.

NUMBER OF DAYS OF—

Mean Cloud Amount: 0	1 — 3	4 — 6	7 — 9	10	Rainfall: mms. 0.1 — 0.9	mms. 1.0 — 4.9	mms. 5.0 — 9.9	mms. 10.0 — 24.9	mms. 25.0 and over	Lightning	Thunderstorm
...	13	14	4	...	2	3	1	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 1935.

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	165	141	129	120	133	142	124	103	106	122	139	159	154	123	113	117	Midnight
1h	163	140	125	118	132	135	120	101	107	120	137	158	150	121	112	117	1h
2	160	135	124	117	131	135	115	098	102	117	135	155	146	120	110	114	2
3	157	131	120	115	128	130	110	096	099	112	131	151	142	118	108	110	3
4	152	128	118	112	126	127	107	094	098	111	130	150	138	116	107	109	4
5	152	130	117	113	127	126	104	094	099	110	131	148	137	117	105	107	5
6	153	131	120	118	129	128	105	097	100	115	133	150	140	120	110	108	6
7	154	134	120	122	132	129	108	102	105	120	140	157	142	123	114	114	7
8	158	138	124	127	135	130	110	105	112	126	150	160	145	127	118	118	8
9	160	140	128	130	140	129	110	109	117	130	155	161	148	130	122	121	9
10	158	141	129	131	139	130	109	110	118	131	154	161	149	128	122	121	10
11	153	135	125	130	134	127	106	107	115	127	152	158	142	122	117	116	11
Noon	145	127	120	123	128	118	105	102	108	124	145	153	137	117	108	113	Noon
13h	140	120	111	118	125	110	100	097	104	121	140	147	127	113	104	106	13h
14	134	113	103	112	123	105	090	090	098	118	131	142	120	105	098	100	14
15	131	110	101	111	119	101	086	087	097	115	131	140	116	101	093	100	15
16	130	112	106	114	120	101	086	089	099	115	132	140	116	100	094	102	16
17	133	115	108	117	123	103	087	089	101	116	136	142	118	101	095	104	17
18	135	120	112	121	127	110	093	092	107	123	141	146	120	102	104	108	18
19	138	122	116	125	131	114	097	100	110	127	147	148	124	104	108	112	19
20	140	126	118	129	138	121	102	107	117	134	155	153	127	108	113	117	20
21	143	127	120	132	141	126	103	110	113	136	159	155	128	112	116	120	21
22	143	129	121	134	141	125	107	111	115	138	160	156	127	113	117	121	22
23	142	130	120	135	142	124	105	108	113	138	160	156	125	114	118	118	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	117	125	124	125	137	131	121	105	135	150	147	149	137	135	131	1013·1	Midnight
1h	115	123	121	120	138	127	117	102	131	147	146	142	136	131	130	1012·8	1h
2	113	121	117	117	134	127	110	101	130	142	142	139	131	130	129	1012·6	2
3	111	120	112	116	130	127	108	100	128	140	137	134	128	125	123	1012·3	3
4	110	118	111	114	128	128	103	101	127	139	134	132	126	124	121	1012·1	4
5	108	119	112	117	127	127	100	103	128	139	136	133	126	122	123	1012·1	5
6	112	121	117	119	128	130	101	111	131	142	139	138	127	126	127	1012·3	6
7	115	124	120	121	130	132	105	118	137	147	143	141	131	128	132	1012·7	7
8	122	130	126	125	135	134	112	121	141	150	148	143	139	131	135	1013·1	8
9	126	132	128	128	137	138	115	126	146	155	152	146	140	134	130	1013·4	9
10	126	133	123	127	137	137	113	127	145	153	153	147	141	135	130	1013·4	10
11	122	127	121	123	135	132	108	123	141	150	147	140	137	131	127	1013·0	11
Noon	116	120	115	117	130	124	103	118	135	140	140	131	130	129	128	1012·4	Noon
13h	108	114	110	112	123	117	097	113	128	135	135	125	125	123	122	1011·8	13h
14	103	110	100	108	117	113	087	108	123	129	127	120	117	117	113	1011·2	14
15	100	107	097	106	113	108	084	109	121	125	125	117	114	112	112	1010·9	15
16	100	103	098	107	115	111	085	110	120	128	124	117	116	113	114	1011·0	16
17	104	103	099	112	118	112	088	114	122	130	128	118	118	118	117	1011·3	17
18	112	106	105	117	120	114	094	117	130	135	133	122	121	120	122	1011·7	18
19	117	110	108	122	126	118	098	123	140	140	140	125	124	123	128	1012·2	19
20	122	118	117	127	131	122	105	130	147	148	148	131	131	130	133	1012·7	20
21	125	125	121	130	133	124	107	136	150	150	152	135	136	132	137	1013·0	21
22	127	126	123	132	137	122	107	136	150	151	152	138	135	132	133	1013·1	22
23	126	126	126	135	133	121	105	137	150	150	151	137	134	132	131	1013·0	23

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

Hour. \ Day.	August 1935.																															
	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	9	3	4	0	0	1	0	4	3	9	7	4	0	2	1	0	0	1	4	0	7	0	0	3	4	6	1	0	2	2	0	2·5
1h	10	3	4	0	0	1	0	4	3	9	8	5	0	5	1	0	1	1	6	0	7	0	0	3	6	9	0	0	2	3	0	2·9
2	10	2	4	0	1	4	0	3	2	9	8	7	0	7	1	0	1	1	4	0	7	0	0	4	7	10	1	1	3	4	2	3·3
3	7	1	7	0	1	3	1	3	2	10	7	7	0	7	0	0	2	2	1	1	7	1	0	5	9	10	1	1	3	4	2	3·4
4	7	3	5	0	1	2	2	3	1	10	8	6	0	2	0	0	0	5	2	3	5	1	0	3	9	10	2	2	3	4	1	3·2
5	4	9	7	1	1	1	2	7	3	7	5	8	0	1	0	0	1	5	2	3	3	1	1	2	7	9	2	2	4	7	2	3·5
6	2	5	9	2	1	2	3	7	5	9	6	9	1	1	0	1	1	6	2	3	2	1	2	3	6	10	3	2	5	9	3	3·9
7	4	3	7	2	2	2	3	6	4	8	5	8	1	1	1	1	1	5	3	4	1	2	3	3	6	9	1	2	6	6	3	3·6
8	5	5	6	2	2	2	4	6	8	6	3	9	0	1	1	2	1	3	4	5	1	2	4	3	6	9	2	3	7	4	3	3·8
9	5	7	5	1	3	2	3	5	5	6	6	10	0	1	1	1	1	4	4	7	1	3	3	3	7	9	2	4	7	4	4	4·0
10	6	8	6	3	3	3	4	6	4	6	4	9	6	2	3	1	3	4	4	6	4	3	3	6	8	9	2	4	7	5	3	4·7
11	8	7	5	3	3	5	6	7	5	6	6	9	9	3	3	1	3	5	5	7	5	5	4	7	8	8	3	4	7	5	3	5·3
Noon	7	7	6	3	4	5	9	7	9	7	7	8	7	2	3	2	3	7	5	8	8	5	4	9	9	7	4	5	7	9	4	6·0
13h	7	7	5	6	4	6	9	6	8	7	8	9	7	3	3	3	3	8	5	6	7	5	3	9	9	7	4	5	6	9	5	6·1
14	8	4	5	5	3	6	8	6	8	9	9	0	7	8	4	3	7	8	5	6	8	8	3	8	9	6	4	5	5	9	6	6·3
15	8	4	4	5	3	6	6	5	8	9	9	5	6	3	3	3	8	6	3	6	7	8	3	9	9	6	3	5	5	7	5	5·7
16	6	8	4	4	5	7	6	4	8	9	5	4	6	7	3	5	8	5	4	7	7	8	2	8	9	8	2	5	4	7	5	5·8
17	5	9	6	4	8	4	6	3	7	9	8	3	7	6	3	4	6	9	4	10	7	4	2	7	9	8	2	4	4	8	4	5·8
18	4	10	6	5	7	3	5	2	6	10	8	3	9	4	3	2	4	4	3	10	2	4	3	8	9	4	2	3	4	5	3	5·0
19	4	6	4	4	3	1	6	2	7	9	9	1	5	0	2	1	2	4	2	10	1	1	2	9	7	5	1	1	2	3	2	3·7
20	4	6	2	4	2	1	8	1	8	10	7	0	4	0	2	0	1	4	1	9	0	1	2	9	7	2	1	1	2	0	2	3·3
21	5	3	2	4	1	1	8	1	9	8	9	0	3	0	1	1	1	3	1	9	0	1	3	6	8	1	1	1	1	0	2	3·0
22	4	0	1	3	1	4	8	6	9	9	8	0	5	0	1	1	1	2	1	9	0	0	3	5	7	1	0	1	1	0	2	3·0
23	3	1	1	2	0	4	6	4	9	7	8	0	3	0	1	1	1	3	0	7	0	0	4	4	5	1	0	2	1	1	1	2·6

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

Hour Ending. \ Day.	August 1935.																															
	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	0
7	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	6	32	19	22	20	1·6
8	47	12	8	14	16	12	35	0	8	0	13	0	29	32	25	25	29	8	18	19	32	33	0	22	10	0	60	60	37	60	56	12·0
9	47	38	45	60	60	60	60	5	59	0	50	8	60	60	60	60	60	55	50	60	60	60	15	60	22	0	60	60	3	60	60	23·6
10	47	50	59	60	60	60	60	60	59	20	60	6	60	60	60	60	60	60	60	60	60	60	36	60	28	0	60	60	53	60	60	27·0
11	37	40	60	60	60	60	58	56	60	40	60	3	53	60	60	60	60	60	60	60	60	60	60	60	26	45	60	60	50	51	60	27·7
Noon	48	53	60	60	60	60	21	29	40	30	57	12	11	55	60	60	60	56	60	37	57	60	60	48	28	60	60	60	58	19	60	25·0
13h	58	60	60	60	60	60	11	53	10	4	35	8	42	60	60	60	60	50	60	22	2	60	60	30	25	60	60	60	60	6	60	22·9
14	50	60	60	52	60	60	40	59	33	0	33	8	37	59	60	60	48	5	60	32	0	56	60	16	27	60	60	42	60	0	60	22·0
15	45	60	60	50	60	60	48	58	60	0	44	23	43	46	60	60	38	54	60	45	20	40	60	32	59	60	60	43	60	46	50	25·1
16	55	48	60	60	60	60	3	59	58	0	18	60	50	60	60	60	50	60	60	28	48	16	60	10	6	38	60	42	60	60	60	23·8
17	44	10	00	38	60	60	28	55	45	0	11	55	37	28	60	60	43	60	60	53	51	0	60	16	11	40	60	52	60	7	45	21·1
18	11	0	28	53	60	40	0	38	20	0	60	59	58	8	60	57	32	43	43	0	59	20	60	6	5	0	15	35	25	0	22	15·3
19	0	0	0	0	10	0	0	15	0	0	27	35	14	16	15	11	0	0	5	0	25	1	24	6	0	0	0	0	0	0	0	3·4

The total Amount of Registered Sunshine was 250.5 hrs. and the total possible sunshine was 353·0 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)

AUGUST 1935.

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

AUGUST 1935.

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	16·8	0·8	18·4	1·3	19·0	0·7	17·4	0·7	19·0	0·9	19·2	1·7	18·3	0·9	20·3	2·4	Midnight
1h	16·0	1·0	18·1	1·1	19·1	0·5	17·1	1·0	18·3	0·6	18·8	1·4	17·7	1·0	20·1	3·0	1h
2	15·6	0·6	18·1	1·1	18·6	0·6	17·0	0·9	18·6	0·8	18·4	1·4	17·7	0·9	19·2	3·0	2
3	15·5	0·5	17·7	0·7	18·5	0·5	16·7	0·7	18·3	0·6	17·7	1·2	17·3	0·9	19·1	4·1	3
4	15·3	0·6	17·5	0·6	17·7	0·7	16·7	0·7	17·9	0·9	17·1	1·0	16·5	0·9	18·7	3·9	4
5	15·3	0·7	18·0	1·0	17·2	0·5	16·4	0·8	17·1	0·6	17·4	1·1	15·6	1·1	18·2	4·3	5
6	15·0	0·6	18·1	0·9	17·0	0·9	16·3	0·7	17·0	1·0	18·0	1·5	15·7	0·5	18·0	4·0	6
7	15·7	0·7	18·7	0·9	17·1	0·9	17·0	0·8	17·9	0·9	17·7	1·1	16·0	1·1	18·2	3·9	7
8	19·7	1·7	20·7	1·3	19·9	0·5	20·5	0·7	21·0	1·2	21·0	2·2	17·6	0·8	19·2	5·2	8
9	22·1	2·6	22·9	2·9	23·0	2·0	23·0	2·4	23·7	3·2	22·8	3·2	21·0	2·7	20·5	5·5	9
10	23·1	3·3	23·2	3·2	24·0	3·5	24·9	3·9	24·6	4·0	23·5	3·9	23·0	4·0	21·4	5·4	10
11	23·9	4·1	24·3	3·4	25·0	4·5	24·4	3·3	24·9	3·9	23·7	4·2	24·3	4·9	21·5	6·5	11
Noon	24·9	4·4	24·6	3·7	26·0	5·0	25·4	3·4	23·7	3·4	23·9	3·9	25·1	5·1	21·0	4·2	Noon
13h	25·0	4·4	23·9	3·4	26·0	5·0	25·4	3·4	21·6	1·1	24·1	4·9	25·9	5·9	21·4	5·5	13h
14	24·0	4·0	24·5	3·7	25·8	5·4	25·4	3·4	23·4	2·9	23·6	4·6	25·7	6·7	21·4	6·0	14
15	24·0	4·0	24·6	4·1	25·4	5·4	25·4	3·3	24·0	3·5	23·3	4·0	25·4	7·5	20·5	4·5	15
16	23·2	3·8	24·1	3·6	25·0	4·8	25·0	3·9	23·0	3·0	23·0	3·5	24·9	7·5	20·1	5·2	16
17	22·3	3·2	23·2	2·8	23·8	3·7	22·4	1·5	22·4	3·0	22·0	3·0	23·7	7·3	19·8	4·9	17
18	21·0	2·0	22·1	1·9	22·4	2·3	22·8	1·8	21·0	2·0	20·5	2·0	21·8	5·5	19·0	3·7	18
19	19·4	1·4	21·7	1·7	21·2	1·7	21·7	1·6	20·1	2·0	19·7	1·7	21·1	4·5	18·7	4·1	19
20	18·8	1·3	21·3	1·4	20·0	1·6	20·5	0·9	20·0	2·0	19·7	1·7	20·1	3·1	18·3	3·3	20
21	18·0	1·0	20·8	1·3	18·9	1·1	21·0	1·0	19·3	1·6	19·2	1·2	19·0	2·2	17·5	3·5	21
22	18·0	1·0	20·0	0·9	18·4	1·1	20·7	0·8	19·9	2·1	19·0	1·1	20·0	2·9	18·0	3·4	22
23	18·0	1·0	19·0	1·0	17·8	0·9	19·7	0·8	19·1	1·4	18·8	1·0	20·9	3·4	17·8	3·8	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	17·8	3·3	18·3	3·3	18·9	1·9	15·2	1·2	18·8	1·3	18·9	2·0	18·0	1·2	18·1	1·4	Midnight
1h	17·7	3·0	18·7	2·8	19·0	2·0	15·0	1·2	18·5	1·5	18·7	1·7	18·1	1·1	17·7	1·3	1
2	17·7	2·5	18·7	2·5	18·5	1·5	14·8	1·0	18·4	1·6	18·6	1·6	18·1	1·3	17·5	1·2	2
3	17·3	2·9	18·7	2·5	18·4	1·5	14·8	1·4	18·6	1·5	18·4	1·4	18·1	1·2	17·4	1·2	3
4	17·5	3·4	18·3	1·9	18·1	1·2	14·3	1·3	19·0	1·9	18·3	1·2	18·0	1·3	17·2	1·1	4
5	17·1	4·0	18·2	1·8	17·8	1·6	14·9	1·0	19·0	1·7	18·1	1·2	17·9	1·1	17·2	1·2	5
6	17·0	3·3	18·4	2·0	18·0	1·6	14·4	1·0	18·7	1·3	18·2	0·9	17·7	1·6	17·1	1·2	6
7	17·0	2·4	18·7	1·9	18·1	1·6	15·0	0·5	19·7	2·3	18·5	0·9	19·0	1·6	17·5	1·2	7
8	19·0	4·0	19·9	2·0	20·8	3·2	19·1	1·3	20·6	3·0	20·1	1·2	20·9	2·9	19·9	1·8	8
9	20·3	4·4	21·0	3·0	22·3	4·6	21·9	3·9	21·4	3·6	22·0	2·7	22·0	3·7	21·9	3·0	9
10	20·6	4·8	22·0	4·0	22·6	4·6	22·6	4·6	22·6	4·4	22·6	3·3	23·0	4·2	22·8	3·8	10
11	21·0	4·9	22·0	3·1	23·3	4·9	23·6	5·6	23·1	4·8	22·8	3·8	23·1	4·3	23·3	4·1	11
Noon	21·5	5·2	23·1	4·2	23·6	4·9	24·1	6·0	23·8	5·0	21·0	1·7	23·4	5·1	23·7	4·2	Noon
13h	21·5	5·5	22·9	4·2	23·5	5·0	23·7	5·8	23·7	5·5	20·7	1·7	23·4	4·5	23·7	4·3	13h
14	21·4	5·4	22·8	4·2	23·4	5·0	23·0	5·2	23·1	4·9	21·0	2·0	23·5	4·7	23·6	4·3	14
15	21·7	5·4	22·3	3·4	23·0	4·5	22·3	4·3	22·9	5·0	21·3	2·3	23·0	4·2	23·4	4·2	15
16	21·0	5·0	20·7	2·7	22·5	4·6	22·4	4·4	22·4	4·4	22·1	3·1	22·5	3·7	22·9	4·0	16
17	20·2	4·6	20·7	2·7	21·0	3·2	21·4	3·9	21·5	3·5	21·0	3·0	21·2	2·9	22·0	3·4	17
18	20·0	4·0	19·7	2·2	20·0	2·5	20·0	2·8	20·2	2·7	19·7	2·3	19·9	1·9	20·8	2·5	18
19	19·2	3·2	19·0	2·0	19·0	2·0	19·2	2·2	19·7	2·7	18·9	1·9	19·8	1·9	19·7	2·0	19
20	18·7	2·5	18·9	1·9	18·0	1·3	19·2	1·9	19·7	2·7	18·8	1·8	19·8	2·1	19·2	1·7	20
21	18·3	2·4	18·9	1·9	17·6	1·5	19·0	1·5	19·4	2·4	18·7	1·7	19·7	2·0	18·9	1·6	21
22	18·0	2·7	18·6	1·6	17·1	1·2	19·0	1·2	19·3	2·3	18·3	1·4	19·7	2·0	18·4	1·3	22
23	18·1	3·1	19·0	1·9	15·9	1·4	19·0	1·3	19·2	2·2	18·4	1·5	19·3	1·7	18·4	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 AUGUST 1935.

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 1935.

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	10	4·4	10	1·8	09	3·2	09	1·8	11	1·4	11	2·9	10	1·9	08	2·7	09	2·6	11	2·0	14	0·7	14	1·8	16	2·1	14	1·1	13	1·8	11	1·9
1h	10	4·2	10	2·3	10	2·6	10	1·8	14	1·4	10	2·6	10	1·9	08	2·1	09	2·1	11	2·2	14	1·2	14	1·0	16	1·2	14	0·7	13	1·8	12	1·9
2	10	3·6	10	2·4	10	2·5	10	2·1	14	0·9	11	2·6	10	2·2	08	2·6	09	2·0	11	1·8	14	2·0	14	1·0	16	1·0	14	1·1	13	2·3	12	1·8
3	12	4·1	11	2·1	10	2·3	10	1·3	14	1·3	10	3·1	10	1·9	09	1·8	09	2·7	11	2·7	14	1·8	14	0·9	16	1·9	14	1·6	13	1·8	11	2·0
4	09	2·6	11	2·2	10	2·7	10	1·3	12	1·8	10	2·9	10	2·9	09	1·9	09	2·2	11	1·4	14	2·3	14	0·7	12	1·8	14	1·3	13	2·2	12	1·8
5	12	2·8	11	2·5	06	2·7	10	1·8	11	1·9	10	2·1	10	2·4	09	1·8	09	2·2	11	1·7	14	1·1	14	1·1	12	1·4	14	2·2	13	2·0	12	1·7
6	10	3·0	10	2·1	12	2·1	10	1·7	11	2·3	10	1·5	10	3·4	09	2·0	09	2·0	11	1·6	14	1·5	14	1·0	12	1·7	14	2·4	13	1·6	12	2·1
7	10	3·1	10	2·3	11	2·1	10	1·2	11	2·0	10	2·6	10	2·4	09	1·8	10	1·9	11	1·3	14	0·8	14	0·8	12	2·0	14	2·5	13	1·3	12	1·2
8	10	3·8	12	2·5	11	2·8	10	1·5	11	2·2	10	3·4	10	2·9	09	1·3	11	2·9	11	1·4	14	0·9	14	1·2	12	0·7	14	1·1	13	0·8	12	1·3
9	11	4·6	10	3·4	08	3·1	10	2·2	10	3·6	09	5·1	08	4·4	06	3·4	10	3·9	12	2·5	14	2·4	14	2·1	15	1·7	12	1·1	13	0·7	11	3·0
10	10	5·2	09	4·4	07	5·0	08	3·6	11	4·7	10	5·8	08	5·7	07	3·5	09	3·1	12	2·8	11	3·1	14	4·0	15	2·6	13	1·5	14	1·2	07	3·8
11	09	4·8	08	5·4	06	4·9	05	3·9	10	5·2	09	5·2	06	5·0	06	4·1	08	3·1	08	2·4	12	2·6	13	4·6	14	2·1	13	1·1	13	1·5	10	3·8
Noon	09	5·5	08	5·3	05	4·8	07	3·2	10	5·4	09	5·2	06	4·6	05	4·1	07	2·7	08	3·0	13	3·0	13	4·4	19	1·8	d27	1·9	d23	1·9	08	4·1
13h	08	6·0	06	6·2	06	4·4	12	2·9	11	5·9	11	5·5	08	4·6	08	3·7	09	3·2	d20	2·8	10	4·0	14	4·0	14	3·3	26	3·2	26	2·7	08	3·7
14	11	5·7	08	5·1	08	4·5	10	2·9	09	4·9	10	5·4	10	4·6	6	3·7	07	3·4	22	1·6	10	3·6	14	5·3	14	2·9	26	2·6	28	2·5	08	3·9
15	12	5·4	09	6·1	06	3·8	10	3·1	11	4·8	09	5·1	06	4·3	06	3·3	07	2·9	14	2·8	13	4·6	13	5·9	13	1·8	29	2·1	30	2·6	08	3·5
16	08	5·6	06	4·2	08	3·8	10	3·4	10	5·2	09	5·0	07	4·2	06	3·6	09	3·0	14	2·2	13	2·8	13	5·3	14	3·5	32	1·9	29	3·2	08	3·6
17	08	4·8	08	3·7	09	3·2	11	3·6	10	4·5	09	4·4	08	4·0	06	3·0	10	2·7	14	1·8	11	3·8	13	5·7	14	2·7	d03	1·5	19	1·8	10	3·1
18	09	3·8	06	2·4	09	2·5	11	2·7	12	2·8	08	3·2	05	3·0	08	1·8	10	1·5	14	1·1	13	1·0	14	4·1	14	2·0	03	1·3	13	1·8	10	2·7
19	09	3·5	12	1·9	09	2·6	11	1·8	11	2·4	09	2·6	08	3·7	08	1·8	10	1·5	14	1·1	03	0·9	13	4·1	14	1·8	12	1·8	13	1·7	11	2·0
20	10	4·1	08	1·8	09	2·9	11	1·6	11	2·3	10	1·8	08	2·9	08	1·8	10	1·8	14	0·9	04	0·8	14	3·4	14	2·2	13	2·0	13	1·7	12	2·9
21	10	3·4	11	1·9	09	2·0	11	1·5	11	2·4	10	2·3	08	2·5	08	1·8	11	2·1	14	1·5	10	0·9	14	2·5	14	1·6	13	1·1	13	1·7	12	1·5
22	10	3·7	11	2·7	09	1·8	11	1·8	11	2·7	10	2·0	08	2·9	08	1·9	11	1·9	13	1·7	13	1·4	14	3·7	14	1·5	13	1·5	12	1·7	12	2·0
23	10	3·0	11	3·1	09	2·0	11	1·5	11	2·1	10	2·2	08	3·2	08	1·8	11	2·1	14	0·7	13	1·8	14	1·9	14	1·6	13	2·2	12	2·2	12	1·6

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	12	2·0	11	2·2	10	1·1	11	1·6	11	2·2	16	1·5	11	1·7	18	2·3	13	1·5	12	3·3	11	4·0	12	1·4	12	4·2	12	4·1	12	2·5	2·2
1h	12	2·0	11	1·9	10	1·2	11	1·3	11	1·8	12	2·0	12	2·1	18	3·8	14	1·7	11	3·1	11	3·1	12	0·8	12	5·1	12	4·7	12	3·0	2·2
2	12	1·9	11	2·4	10	1·1	11	2·1	11	2·0	12	3·1	12	2·5	16	3·6	14	1·4	12	4·1	11	2·6	12	1·3	12	4·2	11	3·7	12	2·5	2·3
3	12	1·6	11	1·8	10	1·4	11	2·3	11	1·8	12	2·4	12	1·9	17	5·6	14	1·9	11	2·6	12	2·9	16	1·7	10	4·5	12	2·9	12	3·4	2·3
4	12	1·8	11	2·3	10	1·2	11	2·3	12	1·3	12	2·6	12	2·3	16	4·9	13	1·9	11	3·2	11	3·2	13	1·7	11	3·4	12	2·9	12	3·2	2·3
5	12	1·4	11	2·0	10	1·1	11	1·8	12	2·0	12	1·8	12	1·7	18	5·4	13	2·1	12	3·2	12	3·2	13	1·9	12	3·5	12	2·7	12	3·7	2·2
6	12	2·0	11	2·3	10	1·1	11	2·1	12	2·1	12	1·8	12	2·8	16	6·5	14	2·1	11	2·8	12	3·4	08	1·2	11	3·5	10	3·1	12	3·1	2·3
7	12	2·0	11	2·5	10	1·1	11	2·1	13	1·9	12	1·9	12	2·0	16	5·0	14	1·4	11	3·9	11	2·9	15	1·8	11	3·6	12	2·5	12	3·3	2·2
8	12	1·4	10	3·1	10	1·1	11	0·9	13	1·0	12	2·2	14	1·1	15	6·6	12	2·3	10	4·3	11	4·2	15	1·7	11	3·2	12	3·0	12	4·4	2·3
9	11	3·1	07	4·5	08	2·5	11	1·0	12	2·1	11	3·5	14	0·8	16	5·1	11	3·5	10	5·2	11	5·5	12	2·6	11	5·7	10	4·4	12	5·9	3·3
10	11	2·4	07	4·8	03	4·0	07	1·2	12	2·7	10	3·9	d25	0·9	15	6·4	12	5·4	10	6·1	10	5·8	14	4·1	11	6·0	10	4·7	10	6·8	4·0
11	11	1·8	06	5·0	03	3·8	03	1·1	09	4·1	09	5·3	31	1·3	15	5·7	11	4·9	10	6·1	11	5·6	12	4·7	10	7·3	11	5·3	10	6·9	4·1
Noon	07	1·7	05	4·8	04	4·0	30	1·9	09	3·4	10	4·4	25	3·3	13	5·5	11	5·1	10	6·3	10	7·9	13	4·4	11	7·2	12	4·7	11	6·5	4·3
13h	07	2·6	05	4·7	03	4·0	24	2·0	18	1·2	09	4·9	25	3·5	13	6·9	10	5·2	10	6·8	12	6·1	13	5·2	11	8·1	12	6·0	11	7·3	4·6
14	07	3·5	06	4·4	03	4·1	32	2·3	11	3·6	10	4·6	22	4·1	14	5·3	10	5·1	10	6·8	10	5·6	12	4·4	11	8·3	10	4·3	11	7·6	4·4
15	09	3·4	07	4·1	03	3·8	24	2·5	10	4·5	10	4·1	16	4·9	14	7·1	12	5·9	11	6·2	12	6·4	13	5·8	11	8·9	11	5·2	11	7·4	4·6
16	10	3·8	07	3·8	05	4·0	22	2·1	10	5·2	10	4·4	16	4·7	13	5·2	12	5·3	11	6·6	10	5·8	12	4·9	11	7·3	12	6·1	10	7·4	4·4
17	09	3·4	08	3·3	03	3·9	12	1·6	11	4·4	10	4·5	15	4·3	14	2·3	12	4·8	10	4·3	10	5·6	12	4·9	11	6·1	11	4·7	10	7·4	3·9
18	10	2·5	08	2·4	04	2·1	05	1·1	10	3·7	11	2·9	16	3·7	14	3·3	10	4·0	11	4·0	12	3·6	12	3·3	11	4·9	12	3·6	12	5·8	2·9
19	10	1·8	09	2·6	04	1·2	05	0·9	11	3·7	11	2·2	16	3·8	13	3·1	12	3·1	10	4·5	12	3·1	12	2·4	11	3·9	10	4·1	12	4·4	2·6
20	10	1·8	08	2·5	04	1·0	05	1·1	11	2·6	12	2·0	17	1·4	14	2·4	10	3·2	11	3·9	12	2·2	12	0·9	11	2·7	10	2·8	12	3·3	2·2
21	10	1·6	08	1·8	04	1·1	10	1·6	12	1·8	11	2·5	10	1·1	14	2·2	10	3·4	11	3·2	12	1·7	11	3·2	11	3·9	12	2·9	11	3·7	2·1
22	10	2·1	08	2·0	10	1·8	10	1·8	12	2·6	11	2·7	15	1·8	12	2·1	12	2·1	11	3·0	12	1·3	12	3·7	11	5·3	12	3·0	10	5·0	2·4
23	10	1·9	11	1·2	11	1·8	10	1·5	08	1·6	11	2·3	16	3·4	13	1·8	12	2·4	11	2·6	12	1·1	12	3·6	12	4·4	12	2·8	10	6·8	2·3

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), AUGUST 1935.

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	30	...	...	...	..	3	6	15	4	3	...	...	...	...	...	...	...
9	...	3	28	...	...	...	1	5	6	14	3	2	...	...	...	...	...	...	...
15	...	10	21	...	...	3	3	6	3	11	2	1	...	...	...	...	...	1	1
21	...	...	31	...	...	1	...	4	7	15	4	...	...	...	...	...	...	...	...
Totals	...			...	...	4	4	18	22	55	13	6	...	...	...	..	...	1	1

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for AUGUST, 1935.

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	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0·1	...	...	...	..	...	...	..	..	...	...	...
2	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	0·1	...	...	...
3	0·5	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	0·1	...	...	...	...	...	..	...	...	...	...	...
4	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...
5	...	0·1	0·2	...	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	0·1	1.4	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...
7	0·2	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
8	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	0·1	...
9	0·2	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	0·2	...
10	0·6	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	0·5	...
11	2·2	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	0·1	...
Noon	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	5·0	...	...	...	...	...	...	...	...	0·1	...
13h	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	5·9	...	...	...	...	...	...	...	...	1·3	...
14	...	...	...	...	...	...	...	...	...	15·0	...	...	...	...	...	...	...	...	...	...	5·0	...	...	...	..	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	8·0	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	0·1	...	...	...	...	...	...	...	3·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...
17	...	...	...	...	...	...	...	..	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
18	...	2·3	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...
19	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	..	...	...	...	...	...	..	..	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	..
23	...	..	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR AUGUST, 1935.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of AUGUST, 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	1·59	38·1	2·40	4
*	St. Antoine	50	0·79	20·1	2·12	8
*	Belmont	50	1·17	29·7	2·06	7
*	Poudre d'Or	20	1·12	28·4	2·06	7
	Mon Loisir S. E.	300	0·81	20·6	2·78	5
	Forbach	300	1·47	37·3	2·29	4
*	Couroupa...	...	2·30	58·3	3·67	4
*	Labourdonnais	290	1·62	41·0	2·76	4
	Mapou (Water Office) ...	...	1·41	35·8	...	4
	Beau Séjour	300	1·23	31·2	3·65	7
	Mont Piton	650	1·73	43·9	3·70	7
	Mon Choix	700	1·26	32·0	3·11	7
	Antoinette	640	1·26	32·0	3·59	4
	Mon Songe	620	1·93	49·0	3·97	12
	Botanical Gardens... ...	325	3·25	82·6	2·98	10
*	The Observatory	179	2·20	55·8	2·25	8
	Solitude	175	0·45	11·4	1·71	2
	Triolet	...	...	...	...	...
	St. André (Cour)	90	0·0	0·0	1·97	0
	La Nicolière	...	3·06	77·7	4·48	10
	California	...	2·60	66·0	3·74	6
	Australia	...	...	...	...	...
2 & 3	Union Régnard S.E.(Flacq)...	600	1·72	43·7	3·69	10
	Constance d'Arifat L.G. ...	100	0·84	21·3	3·27	14
	Rich Fund	600	1·04	26·4	5·45	11
	La Joffrette	...	1·50	38·1	...	5
	Belle Vue (Allendy) ...	...	1·35	34·3	4·32	9
4 *	Sans Souci	900	5·89	149·6	9·17	11
	Beau Champ (G.R.S.E.) ..	20	1·14	29·0	3·64	8
	Olivia	400	2·95	74·9	6·01	13
	Trois Ilots	...	1·45	36·8	...	9
	Belle Rive	400	2·82	71·6	8·83	13
	Sébastopol	700	1·37	34·8	...	2
	Bonne Veine	400	4·31	109·5	8·48	19
5	Rose Belle	850	4·64	117·9	9·76	13
	New Grove	650	4·94	125·5	...	13
	Mon Trésor	...	1·57	39·9	...	9
	Mon Désert (Carié) ...	75	1·16	29·5	3·33	11
	Ferney	20	...	...	4·75	...
	Sauve Terre	...	1·53	38·9	...	8
6	Tivoli	1,300	5·77	146·6	10·96	14
	La Flora...	1,050	6·82	173·2	9·81	16
6	Riche Bois (Brit.) ...	650	3·61	91·7	5·75	11
	Britannia (Estate) ...	700	4·09	103·9	6·39	12
	Savannah (Mill) ...	200	1·85	47·0	4·08	7
	St. Aubin	300	1·54	39·1	4·30	9
	St. Avold	900	4·93	125·2	7·80	15
	Colmar	400	3·71	94·2	5·23	10
	Union S. E.	...	1·75	44·5	4·44	5
	Fontenelle	320	3·34	84·8	4·75	5
	Choisy	200	3·98	101·1	3·30	8
	Beau Bois	...	6·92	175·8	5·69	12
	Bel Air	...	1·65	41·9	3·68	4
	St. Félix	...	2·10	53·3	...	4
7,8,9&10	Bel Ombre	40	3·90	99·1	3·45	7
	Beau Champ (B. du Cap)	70	5·15	130·8	3·54	4
	Frédérica	...	6·05	153·7	...	7
	Pierre Fond	...	1·29	32·8	2·38	7
	Ste. Marie	...	6·94	176·3	...	4
	Hussonia Limited ..	...	0·52	13·2	...	3
11	Curepipe Gardens ...	1,840	4·35	110·5	8·09	30
	Mare aux Vacoas (G.E.)	1,850	5·16	131·1	10·68	13
	Mare aux Vacoas (Arn.)	1,830	5·35	135·9	11·40	14
	La Marie Filter Bed ..	1,700	3·39	86·1	6·82	11
*	Sophie	...	6·75	171·4	...	14
	Réunion	1,420	2·00	50·8	5·15	9
*	Aerological Station ...	1,393	2·27	57·7	5·40	15
	Phœnix	...	4·34	110·2	4·35	17
	Quatre Bornes... ...	...	2·68	68·1	...	15
12	Quatre Bornes (Board) ...	1,090	2·76	70·1	...	3
*	Le Réduit (D. of A.) ...	1,000	2·06	52·3	2·55	24
	Alma...	1,460	2·86	72·6	6·99	12
	Bagatelle	1,250	2·53	64·3	4·08	7
	Highlands	1,300	2·36	59·9	5·08	8
	Trianon	950	2·72	69·1	2·80	16
	Val Ory	1,100	...	...	12·75	...
	Bassin	...	1·55	39·4	3·00	5
	Hermitage	1,450	5·10	129·5	9·64	8
	Ebene	...	2·27	57·7	...	8
	Bega...	...	1·43	36·3	...	8
	Mon Rêve	...	2·10	53·3	...	8
	Mont Pevril	...	2·01	51·1	...	8
	Minissy	1,150	1·72	43·7	3·25	8
	Plaisance	...	1·57	39·9	...	9
	La Ferme	350	1·46	37·1	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 AUGUST 1935.

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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	11¾	75	15·1	75	15·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	10¾	45	14·4	30	16·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	9¼	190	42·2	60	17·1	345	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	10¾	120	...	...	...	330	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	14¾	150	18·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	9½	...	...	...	...	330	4·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	11	...	...	105	14·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	10	...	...	105	41·4	180	...	180	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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.

NEW SERIES (MONTHLY) VOL. XXI. PART 9. 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

SEPTEMBER, 1935

M. HERCHENRODER, B. Sc.

ACTING 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 1935.

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
SEPT.	° ′			′		
1	13 00·6	.22536	.29679	7·2	33	25
2	01·0	544	679	8·2	33	25
3	01·1	539	679	6·5	20	27
4	01·4	540	677	7·0	28	39
5	02·0	532	679	7·3	36	25
6	01·4	529	680	6·7	26	28
7	01·6	530	680	6·5	34	15
8	00·9	534	681	6·0	30	17
9	01·6	536	682	6·0	25	14
10	02·0	526	682	7·5	52	26
11	01·5	...	681	5·5	...	31
12	...	...	...	...	...	...
13	02·0	505	687	5·0	22	21
14	01·7	511	685	7·0	20	35
15	01·9	505	690	9·0	39	23
16	01·3	514	690	7·0	37	27
17	01·6	508	695	6·5	60	22
18	01·6	501	697	7·7	84	19
19	02·0	509	695	6·5	30	17
20	02·1	514	693	7·0	16	27
21	01·4	522	690	7·5	32	25
22	02·0	532	689	9·5	37	26
23	01·9	512	689	9·3	126	41
24	01·2	496	695	7·8	77	22
25	01·7	485	694	5·0	105	29
26	01·8	495	698	9·0	54	24
27	01·4	496	696	9·5	33	23
28	02·1	498	689	9·0	38	56
29	01·8	511	692	9·5	23	35
30	01·8	499	696	10·0	47	31
...	...	...	...	...	...	...
Mean	13°01·60	·22516	·29688	7·46	42·8	26·7

Description of the Principal Magnetic Disturbances.

Declination.—1d. Very slightly disturbed between 3^h. and 9^h. 7d. $6^h.50^m$. Sharp positive peak (1′) followed by a rapid decrease Slightly disturbed trace on 23d, 24d, 25d. Rapid fluctuations but not greater than 5′ between 6^h. and 8^h. on 25d.

Horizontal Force.—1d. Slightly disturbed during the first half. 4d. $19^h.50^m$. Commencement of a short and slightly disturbed period ending at 7^h. on 5d. 7d. Sudden commencement at $4^h.05^m$. of a slightly disturbed period only feebly noticeable after 8^h. 9d. $23^h.15^m$. Sudden commencement of a disturbed period which lasts during the 10th and 11th. Large regular fluctuations on the 10th; large fluctuations on 11th with small pulsations superposed. Register defective on the 12th. 14d. 23^h. Commencement of a very long disturbed period. Large but regular fluctuations throughout. This disturbed period dies down to a quiet trace on 19d. 23d. Commencement from 9^h. of another long disturbed period ending towards the end of 26d. From 23d. 9^h. to 23d. 20^h. frequent oscillations on a largely fluctuating trace. 25d. Two sharp negative waves at $12^h.45^m$. and $19^h.15^m$. 30d. 2^h. Small—ve wave (14γ); disturbed towards the end.

Vertical Force.—4d. $19^h.50^m$. to 5d. 7^h. Slightly disturbed trace—minor pulsations throughout. 7d. Very slightly disturbed trace from $4^h.05^m$. Disturbed trace on 10d, 11d., 12d, Frequent rapid pulsations superposed on the disturbed trace. Positive wave of (10γ) at 22^h. on 11d. Register partly missing on 12th. Slightly disturbed trace from the 15th to the 19th. 23d. Disturbed trace from 23d. 9^h. to 26d. at end. Sharp positive wave (7γ) at 25d. $19^h.35^m$.

T=·37261 : Mean Dip=52° 49′·38 : (X=·21937 : Y=−·05075 : Z=·29688).
† 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 1935.

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
h m	° ′	d h m		d h m	° ′	
AUG. 3·15·37	12 59·30	SEPT. 9· 9·32	·22541	SEPT. 3·15·58	52·47·18	·29665
10·13·03	13 02·97	13· 9·12	·22506	10·13·14	52·47·00	·29674
17·14·10	12 58·05	16· 9·10	·22531	17·14·26	52·50·12	·29690
		23· 9·30	·22547			
		27· 9·08	·22505			
		30· 9·27	·22515			

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

SEPTEMBER 1935.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
	12° +																
Midnight	61·0	60·5	60·3	61·3	62·0	61·3	61·7	62·0	61·7	62·0	63·5	*	61·5	61·7	62·0	63·0	Midnight
1h	60·7	60·3	60·5	61·5	61·8	61·0	61·5	62·3	61·7	63·0	62·0	...	61·5	61·7	61·5	63·5	1h
2	61·0	60·5	60·5	61·3	62·3	61·3	61·0	62·0	61·5	63·5	61·5	...	61·7	62·0	62·5	62·5	2
3	61·0	60·7	60·7	61·3	62·5	61·0	61·3	62·0	61·5	62·5	60·5	...	61·5	62·3	62·3	62·5	3
4	60·0	60·7	60·5	61·2	62·0	61·3	61·5	61·3	61·3	62·0	59·0	...	61·7	62·0	62·7	63·5	4
5	59·7	61·0	60·5	61·3	62·3	60·7	61·3	60·5	60·7	61·7	60·3	...	61·5	62·2	62·3	63·3	5
6	60·0	60·5	60·0	60·3	61·5	60·5	61·0	60·0	60·5	61·0	62·0	...	61·0	61·5	62·0	62·7	6
7	59·0	60·0	58·5	58·7	59·5	59·5	60·0	59·5	60·3	59·5	61·0	...	61·0	62·0	62·0	61·5	7
8	59·0	60·5	58·5	59·5	58·0	60·7	60·0	60·0	61·0	60·0	61·0	...	62·7	63·3	63·0	60·5	8
9	61·0	62·5	60·7	62·5	61·0	63·5	63·0	62·0	63·5	64·0	63·7	...	64·5	65·0	64·5	62·5	9
10	64·5	63·5	63·0	64·7	63·5	65·0	65·0	63·5	64·3	65·0	64·5	58·5	65·0	65·0	65·5	63·0	10
11	64·7	65·5	65·0	65·0	65·0	64·7	65·5	63·5	65·0	65·5	63·0	61·0	64·0	64·0	64·7	61·5	11
Noon	63·5	65·0	65·0	64·5	65·3	63·5	65·0	62·5	64·7	64·7	61·0	62·5	63·5	62·0	63·0	59·5	Noon
13h	62·0	63·0	63·0	63·8	65·3	62·5	64·0	62·0	63·5	63·5	60·3	60·7	62·5	60·0	60·0	58·0	13h
14	60·0	60·7	61·0	62·0	63·7	61·0	62·0	59·7	63·0	63·0	59·5	61·5	61·7	58·0	57·5	57·0	14
15	58·5	58·5	59·5	59·5	62·5	59·0	60·0	58·0	60·5	60·0	59·3	61·0	60·5	58·3	56·5	56·5	15
16	57·5	57·3	59·0	58·0	60·0	58·0	59·0	57·5	59·5	58·0	59·5	60·5	60·0	59·0	57·0	59·0	16
17	58·5	58·5	60·0	59·0	59·7	59·5	59·3	58·0	59·0	59·0	60·5	61·0	60·7	60·3	60·0	59·7	17
18	60·0	60·0	61·5	60·7	61·3	61·0	60·0	60·0	60·0	60·0	61·5	61·5	61·0	61·0	62·0	60·5	18
19	60·5	60·7	62·0	61·3	62·0	61·7	61·5	61·0	60·7	61·3	62·3	61·0	62·0	62·3	62·0	61·5	19
20	60·5	61·0	62·0	61·3	62·0	62·0	61·0	61·0	60·7	61·3	64·0	61·3	62·0	62·3	62·5	62·0	20
21	60·7	61·0	61·5	61·5	62·0	61·8	61·3	61·3	61·0	61·0	63·0	61·5	62·0	62·3	62·7	63·0	21
22	60·7	60·7	61·3	61·7	62·0	61·5	61·7	61·5	61·0	61·3	62·0	62·0	62·0	62·0	63·0	63·0	22
23	60·5	60·5	61·0	61·5	61·5	61·3	61·8	61·5	61·0	65·0	62·0	61·5	61·5	61·5	63·0	62·5	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
	12° +																
Midnight	63·0	64·0	63·0	63·5	62·5	63·0	62·5	65·3	63·0	62·5	62·5	62·5	62·5	63·0	...	62·4	Midnight
1h	63·0	63·5	63·0	62·5	63·0	63·0	62·5	65·0	63·0	62·5	62·5	63·0	63·0	63·5	...	62·3	1h
2	62·5	63·0	63·0	63·0	63·0	63·0	62·5	65·0	62·0	62·0	62·7	63·0	63·0	63·0	...	62·3	2
3	63·0	62·7	62·0	63·0	62·5	63·0	63·0	64·0	62·0	62·5	63·0	63·0	63·0	63·0	...	62·2	3
4	62·5	62·5	61·5	63·3	62·5	63·0	63·0	63·0	61·0	62·0	62·5	62·3	63·0	63·0	...	61·9	4
5	61·0	62·0	61·7	62·5	62·0	62·5	62·7	62·0	61·0	62·5	62·5	62·5	62·5	63·0	...	61·7	5
6	59·0	60·0	62·0	62·0	61·5	62·0	62·0	60·5	61·0	62·0	62·0	62·0	61·0	62·0	...	61·2	6
7	58·0	60·5	60·7	61·5	60·3	60·5	62·0	60·0	60·0	61·0	63·0	63·0	60·7	62·5	...	60·5	7
8	60·0	62·0	61·0	63·0	61·5	62·0	63·3	59·5	62·0	61·0	64·0	64·5	62·5	63·0	...	61·3	8
9	60·7	63·0	62·5	64·0	63·0	65·0	64·5	59·0	62·0	64·0	64·5	66·5	64·0	64·5	...	63·1	9
10	63·5	64·7	64·0	65·0	64·0	66·5	64·7	60·0	63·5	66·0	64·5	66·0	66·0	65·7	...	64·5	10
11	64·5	63·0	65·0	65·0	63·5	66·0	64·0	59·5	63·7	64·0	63·0	65·0	66·0	65·0	...	64·3	11
Noon	63·0	60·0	64·5	63·5	62·0	63·5	62·0	58·5	62·5	62·7	59·0	61·0	63·0	62·0	...	62·8	Noon
13h	60·0	57·5	60·5	61·0	60·0	61·0	56·0	58·3	60·0	61·0	57·0	58·0	60·0	59·0	...	60·8	13h
14	58·5	57·0	59·5	59·0	58·0	58·0	55·7	58·0	60·0	59·5	55·0	58·0	57·0	55·0	...	59·2	14
15	58·0	57·0	58·5	58·0	56·5	57·9	57·0	57·5	59·0	57·0	56·0	57·5	56·5	55·5	...	58·2	15
16	60·0	59·5	58·5	58·5	57·0	58·0	59·0	58·5	59·0	57·0	56·5	58·0	57·0	57·0	...	58·3	16
17	61·0	61·0	60·0	60·0	59·0	60·0	60·5	60·0	60·3	60·0	59·0	60·0	60·0	58·0	...	59·7	17
18	62·0	62·0	61·0	61·0	61·0	61·0	62·0	61·5	61·0	62·0	61·0	61·0	61·0	60·0	...	61·0	18
19	62·0	62·3	62·3	62·0	61·0	61·5	62·5	62·0	62·0	63·0	62·3	62·0	62·0	61·0	...	61·7	19
20	62·5	63·0	62·5	62·5	61·5	62·0	62·3	62·0	64·0	62·5	62·5	62·5	62·0	63·5	...	62·1	20
21	63·3	63·0	63·0	62·7	62·0	62·0	62·5	63·5	63·0	62·7	62·5	63·0	62·5	63·0	...	62·2	21
22	63·3	63·0	63·0	62·5	62·5	62·3	64·0	63·0	63·0	62·5	62·5	63·0	63·0	63·5	...	62·3	22
23	63·7	63·0	64·0	62·5	62·5	62·0	65·0	64·0	63·0	62·5	62·7	62·0	62·5	64·0	...	62·4	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)

SEPTEMBER 1935.

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	522	534	535	533	541	522	526	523	531	530	496	*	500	505	505	500	Midnight
1h	525	537	537	535	532	532	525	524	533	523	515	...	505	505	510	496	1h
2	527	539	538	537	527	532	530	527	534	520	520	...	502	508	518	507	2
3	527	539	539	537	533	530	532	528	537	527	515	...	503	508	512	517	3
4	525	541	542	540	540	530	531	534	539	530	535	...	502	510	512	510	4
5	541	542	543	539	542	531	537	540	540	531	550	...	503	510	517	510	5
6	542	543	543	543	545	533	543	536	539	531	560	...	502	513	520	515	6
7	535	547	545	545	537	532	541	535	542	523	580	...	502	517	521	522	7
8	550	552	553	547	547	532	545	540	545	537	567	...	503	514	521	531	8
9	544	552	550	547	545	531	547	540	541	545	565	...	505	511	508	531	9
10	547	553	540	545	547	535	547	541	542	553	547	503	506	510	520	533	10
11	555	558	547	545	549	537	547	548	543	560	535	493	512	508	521	530	11
Noon	550	567	548	550	550	535	545	553	538	555	565	493	517	512	510	523	Noon
13h	545	562	540	553	550	543	542	552	533	540	550	487	520	517	507	527	13h
14	539	553	533	555	535	530	532	543	528	513	550	483	507	523	507	527	14
15	531	541	530	543	517	530	520	533	520	510	543	485	508	523	502	525	15
16	525	535	528	530	514	517	513	525	520	508	533	486	508	517	492	520	16
17	527	534	530	533	515	521	515	526	523	510	*	492	502	510	485	513	17
18	532	538	537	538	522	521	517	527	527	509	...	492	501	507	490	505	18
19	533	537	536	542	523	517	517	527	535	513	...	490	498	503	482	500	19
20	532	537	536	535	521	518	516	527	540	525	...	489	500	503	490	501	20
21	534	535	534	535	517	523	520	527	544	527	...	492	498	508	485	502	21
22	533	534	533	534	518	524	522	528	543	517	...	493	501	511	488	497	22
23	533	535	533	527	521	526	523	531	540	510	...	493	503	512	493	500	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	487	500	513	520	517	527	443	486	485	499	496	509	510	...	510·9	Midnight
1h	513	490	504	506	521	516	526	450	497	490	505	497	508	510	...	512·6	1h
2	515	503	520	507	523	520	526	474	510	500	503	502	510	523	...	517·2	2
3	517	510	523	512	524	522	526	477	517	500	503	506	513	518	...	519·2	3
4	513	514	521	507	523	525	527	490	522	500	509	510	512	520	...	520·7	4
5	523	523	520	507	525	527	527	493	536	497	508	513	514	520	...	523·5	5
6	534	525	523	513	527	533	533	495	540	503	510	513	517	518	...	526·1	6
7	533	533	520	512	528	534	532	503	513	504	505	513	513	516	...	525·1	7
8	535	537	517	517	529	542	510	510	505	510	505	512	515	512	...	528·7	8
9	527	536	515	520	527	550	545	513	505	505	502	505	522	508	...	527·8	9
10	523	527	503	507	527	553	555	517	507	497	503	496	525	509	...	527·4	10
11	510	523	504	507	533	552	560	520	498	505	506	500	523	508	...	528·9	11
Noon	503	510	510	521	540	552	550	520	492	515	500	492	522	503	...	528·0	Noon
13h	507	501	515	522	535	545	550	517	450	517	485	493	520	495	...	524·4	13h
14	502	480	502	517	526	540	545	515	457	506	480	490	508	483	...	517·0	14
15	495	460	497	517	523	535	535	505	447	490	477	491	502	480	...	510·2	15
16	486	453	493	515	520	528	515	500	435	473	475	480	503	487	...	504·1	16
17	487	465	496	512	514	527	500	505	440	463	485	475	503	480	..	503·4	17
18	493	455	502	515	513	527	470	505	460	470	487	482	502	480	...	504·7	18
19	475	485	502	517	512	525	460	500	460	487	492	480	507	476	...	505·0	19
20	495	496	505	518	510	525	462	490	470	478	490	489	505	480	...	506·9	20
21	507	500	507	520	508	524	443	480	460	485	490	495	505	477	...	506·8	21
22	500	500	510	520	508	526	434	483	460	491	490	499	508	480	...	506·9	22
23	493	502	505	520	510	524	435	475	475	495	495	507	506	487	...	507·7	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)

SEPTEMBER 1935

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	683	681	682	681	681	682	682	682	683	683	687	689	691	690	690	695	Midnight
1h	682	681	682	682	681	681	683	682	683	684	684	680	691	690	689	695	1h
2	681	681	681	681	682	682	683	682	683	684	684	*	691	689	688	693	2
3	681	680	683	681	681	682	683	683	683	684	683	...	691	689	688	692	3
4	680	679	681	681	680	682	683	683	682	685	684	...	689	690	689	692	4
5	680	679	680	680	680	683	682	682	681	685	685	...	689	691	689	693	5
6	680	679	679	680	679	681	681	682	681	685	685	...	689	690	688	691	6
7	681	679	678	677	677	681	681	683	681	684	681	...	689	691	689	690	7
8	685	682	680	682	680	686	682	686	683	689	683	...	690	695	693	694	8
9	690	688	687	690	685	693	685	689	684	691	686	...	691	696	695	699	9
10	691	691	692	693	689	693	685	683	686	690	684	...	695	693	694	698	10
11	687	688	690	687	686	689	681	681	690	686	680	695	690	685	693	692	11
Noon	682	683	684	680	681	681	675	681	689	681	672	694	680	674	688	685	Noon
13h	673	676	677	669	680	671	671	677	687	673	664	693	675	665	679	676	13h
14	669	672	670	655	671	666	670	675	681	673	666	693	675	661	674	672	14
15	666	668	665	654	669	665	670	673	678	670	668	691	674	664	678	676	15
16	666	666	665	660	664	669	672	672	676	665	670	686	675	671	684	680	16
17	670	670	667	668	667	673	677	675	677	670	675	683	679	679	689	684	17
18	675	676	674	674	673	678	681	679	682	680	680	682	683	685	692	688	18
19	677	680	677	676	676	680	683	682	683	683	682	681	687	688	694	690	19
20	679	681	680	678	679	681	683	682	682	684	685	682	690	690	695	692	20
21	681	682	681	680	681	681	684	683	682	683	688	687	691	691	696	695	21
22	681	683	681	680	682	681	683	683	681	683	695	689	691	691	697	694	22
23	681	682	681	681	682	682	683	683	681	690	687	691	691	690	695	694	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	696	701	699	697	693	693	690	704	697	700	697	699	696	697	...	690·8	Midnight
1h	692	700	698	696	693	694	691	703	695	700	697	698	696	697	...	690·3	1h
2	691	697	697	696	692	694	691	700	694	697	696	697	696	696	...	689·6	2
3	691	696	695	696	692	694	691	699	694	698	696	697	695	693	...	689·3	3
4	690	695	695	695	692	693	691	698	694	698	697	697	695	694	...	689·1	4
5	690	694	695	695	692	693	691	697	695	700	697	697	695	694	...	689·1	5
6	687	691	694	694	691	691	690	696	695	699	697	697	695	695	...	688·3	6
7	687	693	695	695	690	690	692	696	697	700	700	700	693	699	...	688·6	7
8	695	699	700	700	693	693	696	697	703	702	704	705	694	704	...	692·2	8
9	701	704	702	703	697	697	698	699	703	705	703	709	702	707	...	695·8	9
10	707	706	702	703	699	697	697	699	701	707	700	701	706	705	...	696·1	10
11	708	699	700	700	694	693	690	697	693	703	692	684	700	694	...	691·4	11
Noon	703	694	699	692	688	686	680	691	685	693	686	668	689	683	...	684·6	Noon
13h	693	687	686	681	677	677	663	682	674	685	681	655	680	677	...	676·2	13h
14	686	688	685	676	674	671	664	682	677	683	681	653	671	676	...	673·0	14
15	687	692	686	678	679	672	669	683	682	684	685	659	671	683	...	674·1	15
16	692	697	687	685	684	681	680	686	686	690	690	667	677	688	...	677·4	16
17	695	703	691	691	689	687	684	691	693	695	693	681	687	693	...	682·5	17
18	696	704	695	695	693	691	691	695	697	701	699	689	694	697	...	687·5	18
19	697	701	695	694	693	691	695	696	701	702	701	695	695	700	...	689·4	19
20	699	700	696	694	694	691	697	697	703	702	701	697	696	706	...	690·8	20
21	697	700	696	694	695	691	698	697	703	702	701	698	698	704	...	691·5	21
22	697	699	696	694	694	691	703	697	702	700	702	698	698	705	...	691·8	22
23	700	699	697	694	694	691	705	698	702	699	701	696	697	704	...	691·7	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 SEPTEMBER 1935.

Month and day 1935.	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.
SEPT.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	971·6	18·5	0·9	16·8	90	18·9	90	5·8	10	16·0	17·0	18·9	17·0	20·0	16·0	4·0	23·3	298	5·6	48
2	971·6	17·9	1·4	15·3	85	17·2	80	8·9	10	16·3	16·5	19·4	16·5	21·4	16·0	5·4	1·9	49	5·6	48
3	970·2	21·3	3·3	15·5	69	17·4	90	3·6	8	15·8	20·5	21·5	16·0	21·8	15·8	6·0	0·5	11	9·4	80
4	969·5	19·9	2·5	15·4	75	17·3	80	5·4	10	15·9	19·1	20·0	16·0	21·6	15·8	5·8	5·0	132	1·9	16
5	971·8	19·7	2·8	14·6	73	16·5	90	6·7	7	15·0	19·5	20·5	16·7	22·2	15·0	7·2	0·6	12	10·5	90
6	972·2	17·1	1·1	15·1	88	17·0	110	4·9	10	15·7	16·9	19·9	17·0	20·6	15·0	5·6	1·9	28	7·9	68
7	970·2	17·9	1·4	15·3	85	17·2	90	6·3	7	15·9	16·7	21·0	17·5	21·0	15·7	5·3	0·7	13	8·6	73
8	971·2	18·9	2·5	14·3	75	16·2	90	8·1	10	15·2	18·8	20·7	16·5	21·4	14·1	7·3	0·0	...	10·2	86
9	971·5	19·7	4·2	12·1	62	14·0	80	8·1	6	16·0	18·5	19·9	16·3	21·0	15·7	5·3	0·0	...	10·3	87
10	970·6	21·3	2·2	17·4	78	19·7	80	8·1	5	16·5	20·4	22·0	17·4	23·0	16·4	6·6	0·0	...	7·4	63
11	968·5	22·5	4·0	15·4	64	17·3	Calm		7	15·4	22·6	20·5	18·6	24·8	14·0	10·8	0·9	13	5·9	50
12	967·2	21·6	3·1	16·1	71	18·1	330	2·2	7	14·4	20·0	21·7	19·9	24·3	14·2	10·1	4·8	49	8·2	69
13	970·4	19·3	4·0	12·1	63	14·0	130	8·1	0	16·0	17·5	19·4	15·0	20·7	14·6	6·1	0·2	2	11·0	92
14	975·0	17·6	3·0	12·1	70	14·0	110	4·0	10	15·0	15·8	17·6	14·6	19·0	14·6	4·4	1·5	32	2·8	24
15	975·6	18·9	3·1	13·2	69	15·0	100	9·4	9	14·0	17·7	16·5	15·3	19·0	12·3	6·7	1·6	31	7·2	61
16	976·8	16·9	2·5	12·2	74	14·1	80	7·6	10	15·0	16·8	17·6	15·0	19·7	14·7	5·0	1.3	26	5·2	44
17	976·0	19·9	4·0	12·7	63	14·6	70	8·1	7	14·0	18·4	18·4	16·4	20·6	13·6	7·0	1.1	18	9·0	75
18	973·9	17·3	0·6	16·2	93	18·2	90	8·1	10	15·0	16·7	18·4	15·6	19·8	14·6	5·2	10·4	139	5·3	44
19	972·4	18·6	1·1	16·6	88	18·7	90	6·3	9	15·0	18·6	19·0	17·2	22·0	15·0	7·0	4·2	78	7·8	65
20	971·4	20·5	2·0	16·9	79	19·0	80	6·7	9	16·2	20·0	20·4	17·0	22·7	16·2	6·5	1·4	29	5·9	49
21	971·2	21·4	3·5	15·2	68	17·1	90	7·2	2	16·8	19·6	22·4	17·2	22·8	15·6	7·2	1·7	28	10·2	85
22	971·5	21·1	3·4	15·1	68	17·0	100	3·6	1	15·9	20·6	23·0	18·0	23·6	15.8	7·8	0·5	7	11·3	94
23	971·2	20·5	2·0	16·9	79	19·0	90	7·2	4	16·3	19·6	21·7	17·6	23·0	16·3	6·7	1·1	33	10·8	89
24	972·3	20·5	2·2	16·6	78	18·7	90	4·5	10	17·1	20·0	21·2	17·4	23·6	16·6	7·0	1·5	23	4·5	37
25	971·3	19·5	1·5	16·8	84	18·9	80	7·2	8	17·5	21·0	22·0	17·7	23·4	17·5	5·9	1·4	30	7·9	65
26	970·6	21·2	2·7	16·4	74	18·5	90	6·3	8	17·9	20·1	21·4	18·1	22·2	17·5	4·7	0·5	6	4·1	34
27	970·4	20·4	2·5	15·9	75	17·9	70	1·8	10	17·0	21·0	20·0	17·2	22·7	16·4	6·3	1·5	29	3·0	25
28	969·7	21·5	3·0	16·2	72	18·2	45	5·4	8	16·9	20·0	23·9	18·7	24·6	16·9	7·7	3·7	83	7·4	61
29	970·9	23·1	4·0	16·2	65	18·2	65	2·2	5	17·9	21·6	22·4	18·1	25·5	17·4	8·1	4·1	66	5·7	47
30	970·7	21·5	3·0	16·2	72	18·2	75	2·7	7	16·7	20·1	22·6	18·0	24·6	16·6	8·0	0·4	7	7·8	64
...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	971·6	19·9	2·6	15·2	74·9	17·1	° ...	6·7	7·4	15·9	19·0	20·5	17·0	22·1	15·5	6·5	77·7	127·2	7·28	61·1
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	+	42·6mbs.	Amount of rain	—	41·2mms.
Temperature of the Air	+	3·1°C	Duration of sunshine	+	14·4hrs
Vapour Pressure	+	0·8mbs.	Mean of highest temperatures	+	2·6°C
Relative Humidity	—	10·5%	,, lowest temperatures	+	2·3°C
Velocity of Wind	—	1·6mps.	Absolute highest temperature	+	1·5°C
Amount of Cloud	—	0·5	,, lowest temperature	+	3·1°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1935.

Month and Day 1935.	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—10)
SEPT.	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min		mm
1	1012·9	− 1·4	23·4	18·7	4·7	20·2	− 0·1	1·8	17·0	+ 1·7	82	+ 9	19·2	16·2	6·4	95	4·5	5·8
2	1012·3	− 1·9	23·7	19·4	4·3	20·8	+ 0·5	2·7	16·0	+ 0·7	74	+ 1	18·0	17·8	0·2	10	4·2	6·1
3	1011·1	− 3·1	25·0	18·4	6·6	21·0	+ 0·7	2·5	16·6	+ 1·3	76	+ 3	18·7	16·9	1·1	62	5·0	6·5
4	1011·1	− 3·0	24·1	17·0	7·1	20·5	+ 0·1	2·4	16·2	+ 0·8	76	+ 3	18·2	17·2	0·9	52	4·6	6·7
5	1013·1	− 1·0	24·5	16·4	8·1	20·0	− 0·4	2·7	15·2	− 0·2	74	+ 1	17·1	11·7	0·0	...	3·3	3·9
6	1013·1	− 0·9	24·1	17·0	7·1	20·0	− 0·4	3·0	14·6	− 0·8	71	− 2	16·5	12·7	0·1	6	3·7	4·7
7	1011·8	− 2·2	24·5	17·5	7·0	20·2	− 0·3	3·4	14·1	− 1·4	68	− 5	15·9	15·6	0·0	...	6·0	3·1
8	1012·7	− 1·2	24·5	16·3	8·2	20·2	− 0·3	3·7	13·6	− 1·7	66	− 6	15·4	10·8	0·0	...	6·2	5·2
9	1013·6	− 0·3	24·0	18·4	5·6	20·8	+ 0·3	4·0	15·8	+ 0·5	73	+ 1	17·8	15·6	0·0	...	5·8	6·0
10	1012·0	− 1·8	25·3	18·0	7·3	21·4	+ 0·9	2·6	16·8	+ 1·5	75	+ 3	18·9	17·7	0·0	...	5·4	4·8
11	1009·7	− 4·0	25·0	16·4	8·6	20·9	+ 0·3	2·0	17·4	+ 2·0	80	+ 8	19·7	14·6	0·0	...	4·1	5·2
12	1008·6	− 5·1	25·6	15·4	10·2	21·1	+ 0·5	2·1	17·4	+ 2·0	79	+ 7	19·7	11·5	0·6	29	2·9	4·7
13	1012·6	− 1·0	24·7	15·6	9·1	20·5	− 0·1	4·0	13·3	− 2·1	63	− 9	15·1	13·5	0·2	10	5·6	1·9
14	1016·8	+ 3·2	23·1	16·3	6·8	19·3	− 1·4	3·6	12·8	− 2·7	66	− 6	14·7	11·1	0·0	...	6·2	8·3
15	1018·2	+ 4·6	23·0	17·0	6·0	19·6	− 1·1	3·7	12·9	− 2·6	65	− 7	14·8	15·4	0·4	20	5·4	5·5
16	1019·0	+ 5·5	23·0	17·5	5·5	19·6	− 1·2	3·9	12·5	− 3·1	64	− 8	14·4	15·1	1·3	40	5·3	7·5
17	1018·3	+ 4·8	23·6	17·1	6·5	20·3	− 0·5	3·7	13·7	− 1·9	66	− 6	15·5	15·8	0·2	7	6·2	6·3
18	1015·7	+ 2·2	23·0	17·6	5·4	19·8	− 1·0	1·9	16·4	+ 1·0	81	+ 9	18·5	15·7	9·2	111	3·7	8·1
19	1013·6	+ 0·2	24·6	18·0	6·6	20·8	− 0·1	2·1	17·0	+ 1·5	79	+ 7	19·2	16·8	0·7	17	3·9	7·1
20	1013·3	− 0·1	24·5	17·5	7·0	20·9	0·0	2·0	17·4	+ 1·9	80	+ 8	19·7	15·4	4·5	69	3·1	6·4
21	1013·0	− 0·4	25·3	18·0	7·3	21·1	+ 0·1	2·4	16·9	+ 1·2	77	+ 5	19·0	17·1	1·3	54	6·6	5·4
22	1012·5	− 0·8	25·9	16·4	9·5	21·2	+ 0·2	2·8	16·3	+ 0·6	74	+ 3	18·4	12·8	0·0	...	8·1	2·8
23	1013·2	− 0·1	25·5	18·6	6·9	21·5	+ 0·5	3·0	16·2	+ 0·5	72	+ 1	18·2	16·8	0·0	...	6·4	3·5
24	1014·0	+ 0·8	26·1	18·9	7·2	21·9	+ 0·8	2·8	17·0	+ 1·4	74	+ 3	19·2	17·3	2·6	40	5·2	6·2
25	1012·8	− 0·3	24·5	20·5	4·0	22·5	+ 1·4	2·5	18·1	+ 2·5	76	+ 5	20·6	18·2	1·2	43	6·5	7·6
26	1012·0	− 1·1	24·0	19·9	4·1	21·9	+ 0·7	2·2	18·0	+ 2·3	78	+ 7	20·4	18·4	2·6	46	4·5	8·2
27	1012·0	− 1·0	25·1	17·5	7·6	21·3	+ 0·1	2·1	17·6	+ 1·9	79	+ 8	19·9	16·0	0·3	13	2·9	6·3
28	1012·2	− 0·7	26·5	19·8	6·7	22·4	+ 1·1	2·8	17·5	+ 1·7	74	+ 3	19·8	16·6	2·7	35	3·6	5·7
29	1012·9	+ 0·1	27·0	19·4	7·6	22·6	+ 1·3	3·0	17·3	+ 1·5	72	+ 1	19·6	17·9	0·0	...	7·0	6·7
30	1012·4	− 0·4	26·9	17·5	9·4	21·6	+ 0·2	2·8	16·7	+ 0·8	74	+ 3	18·8	14·7	0·0	...	5·6	4·7
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1013·2	− 0·4	24·7	17·8	6·9	20·9	+ 0·1	2·9	15·9	+ 0·4	73·6	+ 1·7	18·0	15·4	Sum 36·5	Sum 759	5·0	5·7
Aver.	1013·6	...	25·1	17·0	8·1	20·8	...	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 1935.

The low pressures which obtained during the previous month were again consistently observed during the first half of the present month. A rapid and important rise of pressure started on the 14th and lasted till the 18th. This was accompanied by a noteworthy temperature fall and decrease in the degree of humidity, characteristic of the periodical invasion of the cooler air from Southern high pressure systems. During the remainder of the month large excesses of humidity with abnormally high air temperature prevailed. The Rainfall of the month was about normal and fell on 19 days. Normal amounts of sunshine and cloud were also recorded.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1935.

Month and Day 1935.	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.)
SEPTEMBER	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	
1	6·9	59	5·4	+ 1·4	24·5	23·5	22·4	22·2	b : cr₀ : bcq₀r₀ : cq₀r₀r₀ : bc
2	6·7	57	5·6	+ 1·0	24·5	23·5	22·4	22·3	bc : c : bc : b
3	9·4	80	3·3	− 0·7	24·5	23·3	22·4	22·3	bcd₀ : bc : or₀r₀
4	2·7	23	2·8	− 1·2	24·4	23·5	22·5	22·7	or₀r₀ : c : b
5	10·6	91	3·6	− 0·4	24·4	23·4	22·5	22·5	b : c : b
6	9·2	79	3·6	− 0·4	24·5	23·4	22·5	22·5	b : bc : cr₀ : bc
7	10·1	86	3·8	− 0·1	24·4	23·5	22·5	22·5	bc : b
8	10·4	88	4·5	+ 0·6	24·4	23·7	22·5	22·4	b : bc : c : bc : c
9	8·4	71	5·2	+ 1·3	24·5	23·4	22·5	22·4	bc : b : bc : bcq₀ : bc : c
10	9·2	78	3·9	+ 0·1	24·5	23·3	22·5	22·6	o : c : bcq₀ : bc : b
11	4·6	39	1·6	− 2·2	24·5	23·2	22·5	22·7	b : bc : cg : c
12	9·0	76	2·6	− 1·2	24·4	23·5	22·6	22·7	b : bc : cr₀ : bc d₀
13	11·0	92	4·7	+ 0·9	24·5	23·4	22·6	22·8	bcd₀ : b : b₀ : b
14	4·9	41	2·9	− 0·8	24·5	23·5	22·7	23·0	bc : o : c : bc : c
15	7·8	66	5·2	+ 1·5	24·4	23·3	22·7	22·8	bc : cq d₀ d₀ : bcq : bq
16	4·2	35	5·8	+ 2·1	24·4	23·5	22·7	22·3	cg d₀ : c : cq d₀ : bcq
17	10·1	84	6·3	+ 2·6	24·4	23·4	22·6	22·1	bcq : bcqd₀ : c q : bcq₀
18	7·6	63	4·6	+ 0·9	24·7	23·5	22·5	22·2	oqr₀r₀ : c r₀ r₀ : cr₀ : cr₀r₀
19	7·3	61	3·8	+ 0·1	24·4	23·3	22·5	22·3	c : bc : cqd : bcq : bcd : bc
20	6·5	54	3·4	− 0·3	24·4	23·5	22·5	22·8	bc : c r₀ r₀ : c : cd₀ : bcq₀r₀ : bq
21	9·3	78	3·8	+ 0·1	24·4	23·4	22·6	22·7	c r₀r₀ : b c r₀ : bcq₀r₀ : bc : b
22	10·9	91	3·2	− 0·5	24·4	23·5	22·6	22·9	b₀ : b : bc : b
23	9·7	80	4·1	+ 0·4	24·4	23·3	22·8	23·3	b : bc
24	8·2	68	3·7	+ 0·1	24·4	23·1	22·9	23·6	bc : ber : cr₀r₀ : c : bc
25	10·3	85	4·8	+ 1·2	24·4	23·3	23·0	23·7	c : bcq : cr₀r₀
26	1·6	13	3·1	− 0·5	24·4	23·3	23·1	23·9	c r₀ : o r₀ : or : c : bc
27	2·6	21	2·4	− 1·2	24·4	23·4	23·2	23·8	bc : b : bc : c : cr₀ . bc
28	9·5	78	2·9	− 0·7	24·3	23·3	23·2	23·9	cgr : bc : cr₀ : bc b
29	6·4	52	2·2	− 1·4	24·4	23·5	23·3	24·2	bc : c : bc
30	7·7	63	2·4	− 1·2	24·4	23·5	23·4	24·0	bc : b : bc : b
...	...	...	...	...	...	...	...	...	.....
Mean	7·76	65·1	3·82	+0·05	24·44	23·40	22·69	22·87	.....
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 1935.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1020·2mbs	at 09·00hr.	on 16th	1007·7mbs	at 16 & 17hr.	on 12th
Temperature of the Air	27·0°C	at 13·45hr.	on 29th	15·4°C	...	on 12th
Daily range of temperature of the Air ...	10·2°C	...	on 12th	4·0°C	..	on 25th
Temperature of the Dew Point	20·3°C	at 23.00hrs.	on 12th	9·6°C	at 21·00hrs.	on 15th
Daily range of temperature of the Dew Point	8·0°C	...	on 13th	2.2°C	...	on 2nd & 25th
Minimum on Grass	...	...	...	10·8°C	...	on 8th
Relative humidity	95·7%	at 06.00hrs.	on 22nd	44·2%	at 12·00hrs	on 7th
Vapour Tension	23·6mbs.	at 23.00hrs.	on 12th	11·9mbs.	at 21·00hrs.	on 15th
Wind Velocity	8·7m.p.s.	at 11 & 15hrs.	on 17th	0·6mps	at 08,00hrs.	on 12th
Rainfall in 24 hours	9·2mms. ending 24hrs.		on 18th	...	...	...
Evaporation in 24 hours...	8·1mms	...	on 22nd	2·9mm	...	on 12th&27th
Duration of sunshine	11·0hrs	...	on 13th.	1·6hrs.	...	on 26th

Mean Day Temperature of Air, 22·52°C. Average 22·91°C. Mean Night Temperature of Air, 19·20°C. Average 18·65°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
...	4	19	7	...	9	8	2	...	...	...	...

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 1935.

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
Midnight	130	133	121	119	130	147	125	129	141	138	115	094	101	159	186	191	Midnight
1h	130	129	119	112	125	138	123	127	140	135	107	083	100	159	182	187	1h
2	127	125	117	109	123	132	117	122	137	127	104	078	100	157	179	185	2
3	126	120	113	105	121	131	116	118	135	122	096	075	100	153	175	183	3
4	125	120	111	101	117	129	114	119	130	118	096	071	100	152	173	181	4
5	126	120	112	103	116	132	117	121	133	118	097	072	102	153	174	184	5
6	127	125	113	107	122	134	120	123	138	120	100	075	110	160	180	185	6
7	133	130	115	110	126	140	125	127	144	124	104	083	117	168	183	190	7
8	138	133	114	113	131	143	127	130	147	126	107	088	125	174	187	199	8
9	141	137	114	120	137	146	129	135	150	127	107	095	131	178	190	202	9
10	142	138	118	118	142	147	128	136	147	127	106	096	131	180	188	200	10
11	137	130	117	112	138	145	123	130	143	126	103	095	130	177	185	197	11
Noon	129	123	110	107	130	133	115	123	133	120	097	094	127	167	180	186	Noon
13h	121	118	103	102	126	127	107	118	127	113	090	087	123	165	177	183	13h
14	117	112	100	097	124	121	102	115	123	108	084	084	120	160	170	180	14
15	117	110	093	096	120	117	099	113	120	103	083	080	120	157	168	180	15
16	116	112	094	097	124	117	104	115	121	106	083	077	123	157	171	180	16
17	117	113	100	102	125	118	109	118	125	108	087	077	129	163	175	187	17
18	122	116	106	107	129	121	112	124	128	112	088	081	136	166	180	190	18
19	125	120	110	110	136	126	116	130	133	117	093	078	144	170	184	190	19
20	130	125	116	118	142	129	123	140	138	122	097	093	150	178	188	195	20
21	136	127	118	125	148	131	128	143	144	124	100	097	157	185	198	199	21
22	137	127	119	127	150	130	128	143	143	123	100	098	160	186	196	200	22
23	135	124	120	130	150	128	128	144	141	121	098	100	160	186	195	200	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
Midnight	200	177	150	138	132	129	136	147	134	130	118	130	132	137	...	1013·8	Midnight
1h	199	172	147	134	133	123	130	141	133	126	115	125	130	134	...	1013·5	1h
2	193	168	142	131	130	121	126	140	128	125	115	121	125	130	...	1013·1	2
3	187	166	138	127	127	120	125	135	121	119	112	115	121	124	...	1012·8	3
4	187	162	132	127	130	118	123	133	121	120	113	113	120	123	...	1012·6	4
5	183	160	136	127	134	120	125	138	124	121	113	113	122	127	...	1012·7	5
6	187	163	137	131	135	124	132	145	127	124	117	117	125	132	...	1013·1	6
7	187	170	144	135	143	129	137	149	132	127	121	126	128	135	...	1013·6	7
8	193	171	144	140	144	133	143	157	137	130	127	127	134	138	...	1014·0	8
9	194	170	144	145	143	135	143	156	141	135	133	124	137	137	...	1014·3	9
10	192	171	145	140	140	134	140	153	138	136	134	123	137	132	...	1014·2	10
11	187	165	140	137	137	129	135	148	133	135	130	123	133	124	...	1013·8	11
Noon	183	157	131	131	133	123	130	141	124	121	123	120	128	115	...	1013·1	Noon
13h	176	150	127	127	125	114	121	133	120	113	117	116	123	112	...	1012·5	13h
14	170	141	123	125	120	110	117	127	116	107	114	112	117	106	...	1012·1	14
15	165	134	122	123	116	106	116	127	116	103	110	113	116	103	...	1011·8	15
16	164	135	123	125	116	108	120	127	118	102	111	113	120	103	...	1011·9	16
17	167	138	125	127	117	114	121	128	121	106	111	114	123	108	...	1012·2	17
18	170	143	127	130	121	122	128	133	125	109	117	119	127	113	...	1012·7	18
19	175	147	134	132	126	127	132	138	129	114	120	126	132	120	...	1013·1	19
20	181	155	140	138	129	132	140	145	132	117	125	131	137	125	...	1013·7	20
21	185	157	143	140	131	138	147	148	133	121	128	140	144	130	...	1014·2	21
22	186	157	143	138	132	140	148	147	137	126	130	138	143	131	...	1014·2	22
23	183	153	141	137	130	139	147	142	133	125	129	135	142	132	...	1014·1	23

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

Hour. \ Day.	SEPTEMBER 1935.																															
	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	3	4	10	0	0	5	3	7	9	1	1	7	6	5	8	3	8	10	3	8	0	2	4	7	8	4	10	3	4	...	4·8
1h	0	4	7	9	0	0	4	0	8	9	1	0	7	7	4	7	2	9	10	3	9	0	2	3	8	9	3	7	3	5	..	4·7
2	1	5	9	8	1	2	5	0	7	10	1	0	7	9	6	7	7	10	9	6	9	0	2	4	9	7	4	7	4	4	...	5·3
3	1	5	9	8	1	2	3	1	4	10	1	0	6	10	10	9	8	10	9	9	8	0	3	5	8	6	3	5	5	4	...	5·4
4	2	7	6	7	1	2	3	1	3	10	1	0	3	10	9	8	8	10	8	9	8	0	2	4	8	6	3	5	5	3	...	5·1
5	3	7	5	9	1	3	3	1	3	7	1	0	0	10	7	9	3	9	7	3	8	1	2	4	8	8	2	6	6	3	...	4·6
6	8	7	6	9	2	3	4	1	2	5	1	1	0	10	5	10	5	9	8	8	7	2	3	9	8	6	2	10	7	3	...	5·4
7	8	7	7	9	5	4	7	4	4	6	2	4	0	10	4	9	5	7	7	8	7	2	3	9	8	7	2	9	7	5	...	5·9
8	8	7	7	8	7	5	6	6	6	6	2	5	0	9	1	8	6	7	7	9	8	2	3	10	8	7	8	8	7	9	..	6·3
9	8	8	7	8	8	4	6	8	7	2	2	5	0	8	1	9	6	7	6	8	8	2	3	8	9	9	9	8	8	7	...	6·3
10	7	7	7	7	8	10	5	9	6	3	7	5	0	9	9	7	7	9	10	5	7	4	3	9	8	10	8	7	7	7	...	6·9
11	7	7	5	8	8	9	4	9	6	4	7	9	0	6	7	9	8	9	7	8	7	4	3	8	7	10	9	6	7	7	...	6·8
Noon	8	7	6	9	8	8	4	6	4	4	7	9	0	6	6	10	8	7	7	6	5	5	3	9	7	10	8	6	7	6	...	6·5
13h	7	7	5	9	9	7	3	8	4	4	10	8	1	7	9	10	7	8	7	8	6	5	5	8	7	10	10	5	6	6	...	6·9
14	7	8	4	8	7	6	3	8	7	4	10	8	2	8	9	9	8	9	7	8	6	5	4	8	7	10	9	5	6	6	...	6·9
15	8	9	4	8	6	4	2	7	7	5	10	6	2	9	8	9	8	10	7	7	5	6	5	5	7	9	8	5	6	5	...	6·6
16	9	9	5	8	5	5	2	6	8	4	9	5	2	8	5	9	8	7	6	9	5	6	6	6	7	9	8	5	9	5	...	6·5
17	9	9	7	8	5	7	1	4	8	4	9	5	1	8	4	8	8	6	9	7	5	7	5	7	7	10	9	5	9	5	...	6·5
18	9	7	5	8	5	6	1	4	7	3	9	5	1	9	5	8	7	5	7	7	3	6	6	8	8	9	9	6	9	4	...	6·2
19	9	4	9	4	2	4	0	7	5	2	8	6	1	8	4	5	5	10	4	5	2	2	2	7	9	10	9	4	10	7	...	5·5
20	8	4	10	1	1	3	1	8	5	2	8	7	1	9	4	3	5	6	7	5	1	1	4	4	8	10	4	3	9	6	...	4·9
21	4	2	5	0	1	3	0	8	7	1	2	7	1	10	3	3	4	6	6	3	1	2	4	4	8	9	5	3	7	2	...	4·0
22	3	3	5	1	1	7	1	8	9	2	9	7	1	7	2	4	6	7	5	3	0	2	3	3	7	5	5	3	7	1	...	4·2
23	3	4	10	1	1	7	2	7	9	2	8	7	4	5	3	5	7	8	4	4	0	2	4	2	6	4	6	2	6	1	...	4·5

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

Hour Ending. \ Day.	SEPTEMBER 1935.																															
	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	14	0	15	0	31	9	0	32	5	0	30	28	25	0	0	0	36	0	0	12	0	39	23	13	24	4	49	0	2	0	...	6·5
8	45	13	60	0	60	45	40	60	48	22	60	45	60	13	48	26	60	41	25	14	20	60	60	42	59	60	26	25	33	0	...	19·5
9	52	42	60	24	60	55	52	60	60	60	60	37	60	33	60	12	60	54	57	0	60	60	60	25	59	28	4	52	59	13	...	23·0
10	50	55	60	59	60	47	60	45	60	60	60	57	60	17	60	42	59	20	10	59	60	60	60	51	59	5	0	60	59	60	...	24·6
11	59	50	55	57	60	20	60	53	60	54	35	60	60	17	49	20	50	43	58	55	60	60	60	52	60	0	12	60	46	60	...	24·1
Noon	19	40	45	0	59	47	60	60	60	60	10	56	60	57	42	0	45	48	60	60	60	60	60	50	60	0	36	60	45	60	...	23·0
13h	59	59	60	5	42	58	60	60	60	54	8	55	60	42	20	48	60	42	51	52	60	60	60	60	60	0	1	60	60	60	...	23·9
14	57	47	60	0	48	60	60	60	60	42	6	52	60	13	17	55	55	40	60	35	60	60	54	60	60	0	0	60	60	56	...	22·6
15	23	25	60	0	60	60	60	60	60	40	3	60	60	38	40	12	53	30	49	27	60	59	58	55	60	0	4	59	19	60	...	20·9
16	34	38	59	11	60	60	60	55	18	41	4	54	60	52	60	26	53	40	55	48	57	54	53	43	58	0	20	60	0	60	...	21·5
17	4	33	29	5	60	56	60	60	4	60	0	34	60	14	58	11	55	55	15	26	45	60	26	40	52	0	5	47	0	33	...	16·8
18	0	0	0	0	34	33	35	21	9	60	0	0	37	0	17	0	18	41	0	0	13	20	10	1	9	0	0	26	0	0	...	6·4
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...

The total Amount of Registered Sunshine was 232.8 hrs. and the total possible sunshine was 357·8 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)

SEPTEMBER 1935.

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

SEPTEMBER 1935.

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

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during SEPTEMBER 1935.

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 1935.

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	10	7·7	09	4·7	11	3·1	10	2·3	12	2·0	11	1·9	11	2·3	12	2·7	11	4·1	10	4·0	11	1·7	11	1·5	15	2·5	12	0·6	12	1·4	11	4·6
1h	11	6·6	09	3·6	11	2·7	10	2·4	12	1·8	11	2·6	12	2·6	11	1·8	11	4·4	11	3·2	11	1·5	12	1·4	17	4·4	12	1·2	12	1·9	11	5·2
2	10	5·7	09	5·5	11	2·0	10	1·8	12	1·6	11	2·5	12	3·1	11	1·7	11	4·0	11	3·4	11	1·7	12	2·1	17	3·3	12	1·2	12	1·2	11	4·4
3	11	4·4	09	4·5	11	2·1	11	2·5	12	1·8	11	1·2	12	2·6	11	1·5	11	3·2	11	4·4	12	2·2	12	2·1	15	3·2	12	1·3	12	3·2	10	5·4
4	11	4·0	10	4·9	11	2·0	11	3·1	12	2·1	11	2·1	12	3·3	11	2·1	11	4·1	10	4·1	12	2·2	12	1·9	16	3·4	12	1·1	12	2·8	12	3·8
5	11	3·4	09	6·0	11	2·1	11	2·8	12	2·4	12	1·7	12	2·7	11	1·8	11	2·9	11	3·8	12	2·3	12	2·0	15	3·2	14	1·4	13	2·9	10	4·3
6	11	2·7	10	6·0	11	2·4	12	2·0	11	2·7	12	2·2	12	1·8	11	1·9	10	4·1	10	4·0	12	1·1	12	2·0	16	3·5	12	1·4	13	3·6	10	5·1
7	11	3·6	10	5·1	11	2·5	12	2·1	11	2·2	12	3·1	12	2·4	11	1·8	11	3·8	10	4·5	12	1·4	12	1·7	16	3·4	15	1·0	11	3·7	10	5·6
8	11	4·5	10	5·7	10	4·4	11	2·5	11	3·2	12	4·4	10	3·3	11	4·4	10	6·2	10	5·7	12	1·9	12	0·6	14	5·4	16	1·6	10	4·6	11	5·7
9	10	5·2	10	6·3	06	5·3	10	3·9	11	4·8	12	4·4	10	6·0	10	5·8	11	7·1	10	6·1	12	1·6	130	2·0	14	5·4	15	3·8	10	7·1	10	7·2
10	09	5·6	10	8·0	10	4·3	09	4·2	11	5·1	11	4·4	12	5·8	11	6·4	10	7·5	10	5·9	08	1·6	31	2·7	13	6·6	13	4·4	11	7·3	10	7·0
11	08	6·8	09	7·4	10	4·4	08	4·2	10	4·4	11	4·3	11	6·3	10	6·3	10	7·8	10	6·2	06	1·7	26	3·5	13	7·5	12	3·5	11	7·3	08	6·9
Noon	08	5·8	09	7·6	10	4·4	10	4·1	11	5·0	10	6·4	11	6·3	10	6·7	10	7·2	10	5·6	132	3·3	27	3·4	13	6·8	11	4·0	10	7·6	10	8·2
13h	09	7·7	09	6·1	09	4·7	08	4·0	10	6·8	10	6·3	11	6·0	10	7·3	10	6·5	10	5·0	01	2·0	25	3·9	13	6·8	12	5·1	11	7·4	10	8·3
14	09	8·1	10	6·0	09	3·8	10	3·6	11	4·9	11	6·1	11	5·3	12	7·0	11	7·1	09	4·3	01	1·4	25	4·2	13	7·3	13	4·5	11	7·1	10	8·2
15	09	8·1	10	6·1	12	4·1	10	3·5	10	5·5	12	5·7	11	5·1	10	7·0	10	6·8	08	4·4	01	1·0	25	3·5	13	8·0	14	5·3	10	8·2	10	5·2
16	09	6·8	10	4·9	10	4·9	11	3·3	11	5·0	10	5·9	11	5·7	10	6·5	11	7·3	10	4·6	07	1·5	27	3·2	13	7·4	13	5·6	11	8·1	10	6·8
17	09	4·2	10	4·3	10	3·9	10	3·3	11	5·4	11	5·0	10	5·0	10	6·1	11	6·3	09	4·2	06	0·9	26	3·0	13	7·1	13	4·6	11	7·3	10	6·1
18	10	5·2	11	3·5	11	3·2	08	1·8	11	2·7	11	3·9	12	2·9	11	5·0	10	5·0	10	2·8	06	1·6	26	2·7	13	4·4	14	2·5	11	6·0	11	3·8
19	09	5·8	12	2·7	11	1·9	12	3·5	10	3·5	11	2·8	12	2·0	11	4·7	10	4·5	10	2·2	06	0·7	24	2·2	13	3·5	14	2·2	11	4·6	11	5·2
20	09	3·7	12	3·0	10	2·5	12	2·2	11	3·3	12	2·4	12	2·2	12	4·4	10	4·5	10	1·8	06	0·7	24	2·6	13	4·0	14	3·6	10	6·2	10	5·4
21	10	6·5	12	2·2	12	2·8	12	2·0	11	3·6	11	2·5	12	2·7	11	4·4	11	3·7	10	1·6	06	1·2	24	2·5	13	2·6	14	3·9	10	5·2	10	5·3
22	10	4·0	12	2·1	11	3·2	12	2·1	11	3·1	12	2·0	11	3·1	11	4·8	10	4·0	10	1·7	12	1·7	26	2·9	12	2·1	13	2·9	10	4·7	10	6·1
23	09	4·5	11	3·4	10	2·2	12	1·8	11	2·8	12	2·1	12	2·5	11	4·2	10	3·8	10	1·8	12	1·1	25	3·3	12	1·3	12	2·4	10	4·9	11	4·1

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	12	5·1	12	3·9	07	3·5	11	1·8	11	3·5	10	2·5	11	3·4	12	2·7	10	4·4	08	2·4	11	1·3	12	2·1	10	1·8	10	1·8	...	...	2·9
1h	12	3·6	11	4·1	08	2·5	12	2·5	11	3·5	10	2·1	12	3·7	10	2·9	10	4·2	08	2·6	11	2·0	12	1·1	10	1·6	10	1·1	...	...	2·8
2	10	4·9	09	4·6	10	3·8	12	2·8	12	2·7	10	1·8	11	3·1	10	3·2	10	3·8	08	2·4	11	1·2	12	0·9	10	1·1	10	1·5	...	...	2·8
3	10	4·2	12	4·2	12	1·8	12	2·9	10	5·6	12	1·8	11	2·9	10	2·6	09	4·3	08	2·3	11	1·3	12	1·6	10	1·3	10	1·8	...	...	2·8
4	10	5·5	12	4·1	13	2·8	04	2·6	10	2·2	12	1·7	11	3·6	07	3·4	09	4·2	07	2·8	11	2·0	12	1·2	10	2·6	10	1·3	...	...	2·9
5	12	4·6	12	4·4	10	3·5	13	2·2	12	3·6	12	1·9	11	3·1	07	2·1	10	3·3	11	2·2	11	2·1	08	2·1	10	1·5	10	1·8	...	...	2·8
6	10	4·6	11	4·1	11	4·4	09	1·8	10	2·4	14	1·8	12	2·3	12	2·1	12	2·6	12	2·4	11	1·7	09	2·0	10	1·8	12	2·2	...	...	2·8
7	10	4·9	11	3·6	12	3·9	05	0·6	08	2·5	14	1·5	12	3·6	12	3·3	11	3·8	08	3·1	11	1·3	11	1·8	10	1·6	12	1·7	...	...	2·8
8	09	6·0	11	4·8	12	3·2	05	0·8	12	3·1	12	3·7	11	4·4	10	3·0	09	6·0	08	4·8	11	2·0	10	2·8	10	2·3	12	1·4	...	...	3·7
9	11	7·5	10	5·5	10	4·9	06	2·9	10	4·9	12	4·5	10	6·0	08	3·3	09	6·7	10	4·8	04	4·1	07	4·9	09	2·5	12	2·4	...	...	4·9
10	10	6·8	09	5·2	10	4·3	09	5·0	10	4·6	11	4·2	10	6·0	10	4·8	09	6·7	10	4·8	10	3·0	07	4·8	07	2·5	10	2·9	...	...	5·1
11	10	8·7	10	5·1	10	4·8	10	4·7	09	6·8	10	3·8	10	5·9	09	5·0	08	6·6	10	3·7	08	3·4	07	4·5	08	2·8	09	3·2	...	...	5·2
Noon	10	8·3	10	5·8	09	5·7	08	4·5	07	4·4	12	3·9	10	5·6	07	5·3	09	6·1	08	3·9	07	3·0	07	4·4	07	3·7	08	3·5	...	...	5·4
13h	10	8·6	10	4·1	09	5·2	10	4·4	07	5·1	10	4·3	10	5·8	07	5·0	08	7·8	09	4·9	08	4·5	05	4·1	07	4·4	10	3·8	...	...	5·5
14	10	8·2	11	7·2	10	5·1	10	4·5	07	5·2	10	4·1	10	5·0	08	5·1	07	6·6	08	4·2	12	2·8	08	3·8	07	4·7	10	4·0	...	...	5·3
15	10	8·7	11	5·2	10	6·6	10	4·8	07	5·1	11	4·1	10	6·0	08	4·4	08	6·0	09	4·5	08	2·8	08	3·4	07	4·4	11	4·4	...	...	5·3
16	10	8·0	09	6·9	11	5·2	11	4·9	07	4·6	10	4·9	10	5·5	08	4·4	08	5·7	09	4·3	10	3·9	07	4·2	07	3·0	10	4·6	...	...	5·3
17	10	8·2	10	5·8	11	4·3	12	3·6	08	4·7	12	4·5	10	4·9	09	4·4	08	5·3	10	3·8	08	2·2	09	3·5	08	2·4	11	3·8	...	...	4·6
18	10	6·2	11	4·4	11	3·4	12	3·7	10	3·9	11	3·6	12	3·7	10	3·5	10	4·7	09	2·4	07	2·0	09	3·8	08	1·9	11	2·7	...	...	3·6
19	11	6·3	10	4·0	11	3·3	12	3·4	10	2·7	10	2·9	12	2·5	10	3·8	10	3·3	10	2·3	12	2·6	10	2·9	09	1·4	11	2·3	...	...	3·2
20	10	6·1	12	2·8	12	2·4	12	4·2	10	2·6	11	3·4	12	2·8	10	3·1	10	3·6	10	1·3	12	1·7	10	2·9	09	1·0	12	1·3	..	...	3·1
21	10	6·3	12	3·3	12	2·9	11	3·9	10	2·5	12	4·0	12	2·8	11	2·6	09	4·4	10	1·9	12	2·2	10	3·1	09	0·8	12	1·6	...	...	3·2
22	11	5·5	12	3·0	12	3·0	11	3·8	10	2·6	10	2·8	12	2·4	11	2·7	05	3·7	10	1·3	12	1·7	10	2·4	10	1·1	12	1·1	...	...	2·0
23	12	4·5	13	3·3	12	2·5	10	3·8	10	2·8	12	3·5	11	3·2	10	4·0	09	2·2	11	1·1	10	1·5	10	1·8	10	1·7	12	1·1	...	...	2·8

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), SEPTEMBER 1935.

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	...	...	...	..	3	6	20	..	1	...	...	...	...	...	...	...
9	...	11	19	...	...	1	3	3	13	7	1	1	..	...	...	...	...	...	1
15	...	12	18	1	...	...	...	9	11	7	1	...	...	...	...	1	...	...	...
21	...	2	28	...	...	...	1	2	8	17	1	...	...	...	...	1	...	...	...
Totals	...			1	...	1	4	17	38	51	3	2	...	...	...	2	...	..	1

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for SEPTEMBER, 1935.

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

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR SEPTEMBER, 1935.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of SEPTEMBER, 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	1·15	29·2	1·03	8
*	St. Antoine	50	0·99	25·1	1·17	10
*	Belmont	50	1·86	47·2	1·15	9
*	Poudre d'Or	20	1·67	42·4	1·24	9
	Mon Loisir S. E.	300	1·06	26·9	1·85	5
	Forbach	300	1·27	32·3	1·20	7
*	Couroupa...	...	1·17	29·7	1·36	6
*	Labourdonnais	290	1·18	30·0	1·61	7
	Mapou (Water Office) ...	...	3·47	88·1	...	6
	Beau Séjour	300	1·95	49·5	2·20	11
	Mont Piton	650	1·95	49·5	2·27	14
	Mon Choix	700	1·38	35·1	1·84	11
	Antoinette	640	2·85	72·4	2·19	12
	Mon Songe	620	2·11	53·6	2·49	13
	Botanical Gardens... ...	325	2·37	60·2	1·78	14
*	The Observatory	179	1·44	36·5	1·40	19
	Solitude	175	0·76	19·3	0·81	5
	Triolet	...	...	...	...	...
	St. André (Cour)	90	1·20	30·5	1·11	5
	La Nicolière	...	2·86	72·6	3·33	18
	California	...	1·79	45·5	2·42	6
	Australia	...	...	...	...	...
2 & 3	Union Régnard S.E.(Flacq)...	600	2·95	74·9	2·63	12
	Constance d'Arifat L.G. ...	100	2·23	56·6	1·69	15
	Rich Fund	600	3·06	77·7	2·67	17
	La Joffrette	...	2·43	61·7	...	8
	Belle Vue (Allendy) ...	...	2·48	63·0	2·69	9
4 *	Sans Souci	900	5·33	135·4	5·83	21
	Beau Champ (G.R.S.E.) ..	20	1·61	40·9	1·71	17
	Olivia	400	2·73	69·3	3·15	18
	Trois Ilots	...	2·15	54·6	...	17
	Belle Rive	400	3·70	94·0	4·13	20
	Sébastopol	700	1·00	25·4	...	6
	Bonne Veine	400	5·93	150·6	5·26	22
5	Rose Belle	850	5·55	141·0	5·98	20
	New Grove	650	4·10	104·1	...	18
	Mon Trésor	...	2·14	54·4	...	13
	Mon Désert (Carié) ...	75	1·97	50·0	1·53	14
	Ferney	20	...	...	2·60	...
	Sauve Terre	...	1·79	45·5	...	13
6	Tivoli	1,300	5·64	143·3	5·81	23
	La Flora...	1,050	5·32	135·1	5·38	23
6	Riche Bois (Brit.) ...	650	3·09	78·5	3·78	17
	Britannia (Estate) ...	700	3·51	89·2	4·03	17
	Savannah (Mill) ...	200	2·43	61·7	1·96	8
	St. Aubin	300	1·93	49·0	2·70	13
	St. Avold	900	4·47	113·5	4·61	20
	Colmar	400	3·79	96·3	3·03	17
	Union S. E.	...	2·35	59·7	2·23	7
	Fontenelle	320	3·14	79·8	2·95	7
	Choisy	200	1·80	45·7	2·60	9
	Beau Bois	...	4·06	103·1	3·82	16
	Bel Air	...	3·55	90·2	1·88	11
	St. Félix	...	2·54	64·5	...	10
7,8,9&10	Bel Ombre	40	1·97	50·0	1·93	7
	Beau Champ (B. du Cap)	70	2·18	55·4	2·00	7
	Frédérica	...	2·24	56·9	...	7
	Pierre Fond	...	1·00	25·4	1·01	12
	Ste. Marie	...	2·44	62·0	...	7
	Hussonia Limited ..	...	0·38	9·7	...	4
11	Curepipe Gardens ...	1,840	7·22	183·4	5·60	27
	Mare aux Vacoas (G.E.)	1,850	5·94	150·9	7·13	20
	Mare aux Vacoas (Arn.)	1,830	7·22	183·4	7·14	19
	La Marie Filter Bed ...	1,700	5·54	140·7	4·10	17
*	Sophie	...	6·33	160·8	...	15
	Réunion	1,420	3·88	98·6	3·53	18
*	Aerological Station ...	1,393	3·06	77·7	3·40	27
	Phœnix	...	1·23	31·2	2·70	7
	Quatre Bornes... ...	...	1·17	29·7	...	7
12	Quatre Bornes (Board) ...	1,090	0·95	24·1	...	5
*	Le Réduit (D. of A.) ...	1,000	2·10	53·4	1·50	30
	Alma...	1,460	6·68	169·7	4·73	17
	Bagatelle	1,250	3·58	90·9	2·69	15
	Highlands	1,300	3·24	82·3	3·09	17
	Trianon	950	1·19	30·2	1·70	8
	Val Ory	1,100	...	...	1·75	...
	Bassin	...	1·00	25·4	1·36	7
	Hermitage	1,450	7·90	200·7	4·62	18
	Ebene	...	2·10	53·3	...	15
	Bega...	...	1·54	39·1	...	15
	Mon Rêve	...	2·62	66·5	...	16
	Mont Pevril	...	2·40	61·0	...	15
	Minissy	1,150	2·54	64·5	2·05	16
	Plaisance	...	1·18	30·0	...	8
	La Ferme	350	0·58	14·7	0·75	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 SEPTEMBER 1935.

Day \ Type.	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	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	10	90	34·5	90	38·2	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	10	...	...	300	11·1	240	6·6	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	10	90	16·1	75	13·4	...	...	...	...	...	...	...	...
18	11½	...	...	95	8·6*	100	6·5*	...	...	90	6·2*	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...
21	11½	60	1·6*	112	6·7*	...	...	...	...	...	...	278	3·6*
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	9	...	...	...	...	...	...	...	...	...	...	300	4·7
25	10¾	90	46·1	90	14·4	...	...	...	...	...	...	300	4·8
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...

Day \ Type.	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	14½	...	...	90	5·5*	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	15	90	16·7	135	10·3	...	...	...	...	...	...	...	...
6	15½	120	25·1	120	10·9	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	13¾	120	...	105	9·5*	15	2·1*	...	...	...	...	...	...
10	14	...	...	80	10·7*	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	15¾	105	20·2*	98	5·6*	75	2·7*	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	14½	92	15·6*	75	14·2	...	...	...	...	...	...	300	2·3*
26	15	60	26·8	60	16·7	300	...	...	...	...	...	310	2·3
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
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

*Obervatory Pamplemousses.

NEW SERIES (MONTHLY) VOL. XXI. PART 10. 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

OCTOBER, 1935

M. HERCHENRODER, B. Sc.

ACTING DIRECTOR

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF OCTOBER 1935.

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)
OCT.	° ′			′		
1	13 02·7	.22517	.29695	8·5	48	25
2	01·9	529	691	11·3	15	34
3	02·6	533	687	12·3	30	40
4	01·9	533	693	8·8	30	17
5	01·9	533	691	9·5	24	26
6	02·2	533	689	7·5	31	21
7	02·1	526	686	8·7	43	35
8	02·5	522	683	9·2	15	42
9	03·0	530	685	5·5	38	29
10	02·6	524	686	7·2	86	29
11	02·3	518	689	9·0	85	21
12	02·4	516	691	6·3	33	15
13	02·5	528	686	9·0	24	36
14	02·4	524	688	11·8	44	11
15	02·2	518	686	11·8	39	24
16	02·8	515	684	9·0	18	28
17	02·3	511	689	11·0	42	20
18	02·0	515	684	6·8	39	23
19	02·9	524	686	7·2	47	17
20	02·1	504	688	13·0	33	35
21	03·0	488	692	10·0	47	18
22	03·2	501	...	6·5	55	...
23	02·9	517	699	5·0	21	13
24	02·5	491	701	9·7	80	26
25	02·5	501	702	6·0	51	12
26	03·3	509	700	5·3	31	18
27	03·9	512	699	6·0	100	25
28	03·3	503	701	6·0	66	17
29	02·5	502	698	10·5	43	28
30	03·1	490	703	8·5	66	23
31	02·3	500	703	9·0	53	18
Mean	13°02·57	·22515	·29691	8·58	44·7	24·2

Description of the Principal Magnetic Disturbances.

Declination.—1d. Feeble pulsations on the general trace. 20d. Disturbed with large increase in daily range. 21d. and 22d. Feeble oscillations at times. 24d. Disturbed. Irregular fluctuations with large increase in daily range. 27d. and 28d. Feeble oscillations on the trace.

Horizontal Force.—1d. Slightly disturbed during the first hours. 1d. 22^h. to 2d. 3^h. continuous small pulsations on a normal trace. 2d. 21^h. to 3d. 4^h. minor fluctuations of short duration. 7d. Slightly disturbed; double wave (18γ) between $3^h.30^m$. and $5^h.30^m$. 8d. 1^h. sharp increase (15γ). 10d. at end: gradual change to a disturbed trace. Sharp positive wave (40γ). 11d. 19^h. Succession of positive and negative waves of amplitude not greater than 35γ. 14d. 4^h. Slightly disturbed till 16^h. Slightly disturbed during 15d., 16d. and 17d. 20d. Commencement at 13^h. of a moderately disturbed period. This begins with a gradual but large decrease (115γ) followed by minor fluctuations. This disturbed period ends with 22d. 24d. $10^h.30^m$. Sudden commencement of a short and moderately disturbed period. Minor pulsations superposed on a largely fluctuating trace. 25d. Very slightly disturbed. 27d. Moderately disturbed from $7^h.45^m$. 28d. Slightly disturbed. 31d. Disturbed at end. 23^h. to 24^h, very rapid and sharp oscillations in the trace. Amplitudes not greater than 30γ.

Vertical Force.—Minor pulsations on 1d. and 2d. 10d. $22^h.30^m$. to $23^h.30^m$. wave of 7γ, 11d. Disturbed at end; succession of small positive wave between 21^h. and 0^h. 20d. Disturbed during second half. Frequent oscillations on the trace. 21d. and 22d. Slightly disturbed. Minor pulsations throughout. 24d. and 25d. Disturbed. 28d. and 29d. Slightly disturbed.

T=·37261 : Mean Dip=52° 49′·60 : (X=·21933 : Y=−·05081 : Z=·29691).
† 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 OCTOBER 1935.

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
h m	° ′	d h m		d h m	° ′	
OCT. 4.12.14	13 01.90	OCT. 4· 9·25	·22556	OCT. 4.12.31	52.47·75	·29696
15·15·12	12 56·26	8· 9·07	·22516	8·14·38	52·47·06	·29656
18·14·24	12 58·56	11· 9·02	·22524	15·14·59	52·48·87	·29674
25·11·42	13 00·92	15· 9·20	·22532	18·14·13	52·48·37	·29674
		18· 9·47	·22528	25·11·20	52·49·75	·29705
		22· 9·28	·22514	29·13·55	52·49·58	·29657
		28· 9·28	·22512			

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

OCTOBER 1935.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	12° +																
Midnight	64·0	62·0	62·7	62·5	63·0	62·5	62·5	63·0	63·0	63·0	63·3	64·0	62·7	62·7	63·0	63·0	Midnight
1h	63·7	62·5	62·5	62·5	62·5	62·5	62·5	63·5	63·5	63·5	63·0	64·0	63·0	63·0	63·0	64·0	1h
2	64·5	63·0	62·5	62·5	62·5	62·5	62·5	63·7	63·0	63·3	64·0	63·7	63·3	63·3	63·0	63·5	2
3	65·3	63·3	62·0	62·3	62·7	62·7	62·5	63·0	62·5	63·5	63·0	63·5	63·5	63·5	63·3	63·5	3
4	63·0	63·5	62·0	62·0	62·5	62·7	62·3	63·0	63·0	63·0	63·3	63·0	63·5	63·7	63·5	63·7	4
5	63·5	63·5	63·3	62·0	62·5	63·0	62·0	63·3	62·5	62·5	63·5	61·0	63·7	64·0	64·0	64·0	5
6	63·0	63·0	62·5	62·3	61·3	62·0	62·0	63·0	61·5	62·0	63·0	61·5	63·7	65·0	63·0	64·0	6
7	64·0	63·0	63·0	63·0	62·0	62·0	62·5	64·0	63·0	61·5	63·5	62·0	64·5	66·0	63·5	64·5	7
8	65·3	63·5	65·3	64·0	63·0	63·3	64·0	65·3	64·0	63·0	64·5	63·0	65·5	67·3	66·3	66·0	8
9	65·5	65·0	68·5	65·0	64·7	64·5	65·0	65·7	66·5	65·0	65·5	64·3	66·0	66·5	65·0	65·5	9
10	67·0	66·0	69·3	65·3	65·5	65·5	66·0	66·7	66·5	65·5	65·0	64·3	65·0	65·0	64·5	65·3	10
11	65·0	66·0	68·0	65·0	65·0	65·0	65·0	66·0	66·0	64·0	62·5	63·0	63·0	63·0	63·5	63·0	11
Noon	61·0	64·0	65·0	63·0	63·0	63·0	63·0	63·5	64·0	62·0	60·0	61·0	60·0	60·0	60·0	61·5	Noon
13h	60·0	58·0	60·0	60·0	60·0	60·5	60·0	61·0	62·0	59·5	57·5	60·0	58·0	57·0	56·0	60·3	13h
14	58·5	55·0	57·3	57·3	56·0	58·3	57·5	58·0	61·0	58·3	56·5	58·0	56·5	56·0	54·5	58·3	14
15	58·5	54·7	57·0	56·5	56·5	58·0	57·3	57·5	61·0	59·5	57·5	60·0	58·0	55·5	56·0	57·0	15
16	59·5	56·0	57·5	57·3	58·0	59·3	59·0	57·8	61·3	60·5	60·0	61·5	61·0	58·0	58·5	59·0	16
17	60·7	59·0	60·0	59·0	60·5	61·0	60·3	60·0	62·3	62·5	61·5	63·0	63·0	61·0	62·0	61·5	17
18	61·5	61·0	61·5	61·0	62·0	61·5	61·5	61·0	62·7	63·5	62·3	63·3	63·0	62·7	62·5	63·0	18
19	62·5	62·0	62·3	62·0	62·3	62·3	62·3	62·3	62·0	63·0	62·7	63·0	62·7	63·0	63·5	63·5	19
20	62·7	62·3	62·5	62·3	62·5	62·5	62·5	62·0	62·0	63·3	62·0	62·7	62·5	62·7	63·0	63·3	20
21	63·0	62·5	62·5	62·5	62·7	62·5	62·7	62·3	62·5	63·7	64·5	62·7	62·3	62·7	63·3	63·5	21
22	62·5	62·5	62·7	62·5	62·7	62·5	63·0	63·0	62·5	63·7	63·3	62·5	62·3	62·7	63·5	63·0	22
23	62·3	63·0	62·5	62·7	62·5	62·5	63·3	62·7	63·3	63·5	63·0	62·5	62·3	63·0	63·5	63·5	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	12° +																
Midnight	63·0	63·5	63·7	63·5	64·0	65·0	63·0	63·5	64·0	64·5	63·5	66·0	63·3	63·3	63·3	63·4	Midnight
1h	63·0	63·7	63·5	63·7	65·0	63·0	62·5	63·7	63·5	64·7	63·7	65·0	63·0	63·5	63·5	63·4	1h
2	62·7	63·5	63·5	63·5	64·3	64·5	63·0	64·0	63·5	64·0	64·0	63·5	62·5	64·0	64·0	63·4	2
3	63·0	63·0	63·7	62·7	64·0	62·0	63·5	64·0	63·5	64·5	64·0	63·5	63·5	64·3	64·3	63·3	3
4	62·7	63·5	63·5	63·0	64·0	63·7	64·0	64·0	63·5	63·5	64·5	64·0	64·0	64·5	64·5	63·4	4
5	63·0	63·0	64·0	64·0	64·3	64·5	64·0	64·0	64·0	64·5	65·0	62·5	64·5	65·0	65·0	63·5	5
6	63·0	61·0	64·0	64·5	65·0	65·3	64·0	64·0	63·5	64·7	65·0	64·5	65·5	65·3	65·5	63·5	6
7	64·0	61·5	65·0	65·5	66·5	64·0	64·0	64·0	64·5	65·0	64·5	65·0	66·5	66·0	64·5	64·0	7
8	64·5	62·7	65·5	66·5	66·0	65·5	65·0	65·0	64·5	65·3	65·5	65·0	66·5	66·5	65·0	64·9	8
9	66·3	63·5	65·3	66·0	66·0	65·3	64·5	65·7	63·5	65·0	65·0	65·0	65·5	66·5	64·5	65·3	9
10	65·5	63·3	65·0	65·5	65·5	65·0	64·0	64·5	62·5	65·0	64·5	64·0	63·5	65·5	63·0	65·1	10
11	65·5	62·0	64·0	64·0	64·5	65·0	63·0	62·0	61·5	64·0	63·0	62·0	60·5	64·0	60·5	63·8	11
Noon	64·0	60·5	62·5	62·3	62·0	64·0	62·5	58·5	60·5	63·0	62·0	60·5	58·5	62·5	58·0	61·8	Noon
13h	59·0	60·0	61·0	59·0	60·0	62·0	61·5	56·5	59·0	60·5	60·0	60·0	57·0	60·5	56·5	59·4	13h
14	55·5	58·0	58·5	54·0	57·0	59·0	60·5	56·5	58·5	60·0	60·0	60·5	56·0	58·0	57·0	57·6	14
15	55·3	57·5	58·3	53·5	56·5	59·0	60·0	56·0	60·0	61·0	61·0	61·0	58·5	58·5	57·3	57·9	15
16	57·5	58·5	59·3	54·5	57·0	60·0	61·0	59·5	61·0	61·5	62·0	62·5	60·0	60·0	59·0	59·3	16
17	60·5	61·0	61·5	60·0	59·0	62·0	62·5	62·5	62·5	62·3	64·5	63·5	62·5	61·5	62·0	61·5	17
18	61·5	62·0	62·5	60·5	61·0	62·5	63·0	60·0	62·7	62·7	65·3	63·5	62·7	61·5	62·0	62·2	18
19	63·0	62·7	62·7	62·0	62·0	63·0	62·5	64·0	62·7	62·5	65·0	63·0	63·0	62·5	62·5	62·7	19
20	63·0	63·0	62·7	62·0	63·5	63·0	62·7	64·5	62·7	62·5	65·0	63·0	63·0	62·5	63·0	62·8	20
21	63·3	63·3	63·0	63·0	63·5	63·3	63·0	64·0	62·5	62·5	65·0	64·0	63·0	63·0	63·5	63·1	21
22	63·3	63·5	63·0	63·5	65·0	63·5	63·0	64·0	63·0	63·0	64·5	65·0	63·5	63·0	63·5	63·2	22
23	63·3	64·3	63·5	64·5	65·0	63·5	63·0	64·5	63·0	63·5	66·0	63·5	63·5	63·3	63·3	63·3	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)

OCTOBER 1935.

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	487	530	525	524	535	523	531	517	523	521	507	491	519	525	509	526	Midnight
1h	500	530	531	524	528	524	532	520	523	523	510	496	519	525	510	515	1h
2	509	525	530	525	530	525	535	526	525	523	525	500	523	527	520	513	2
3	520	531	540	527	532	526	535	523	525	522	515	501	525	532	518	517	3
4	522	534	540	528	531	528	526	523	526	522	517	508	526	537	520	516	4
5	523	534	535	530	531	529	535	523	524	523	520	523	525	535	520	517	5
6	531	533	531	531	532	529	528	525	526	523	517	515	525	549	525	519	6
7	532	530	531	540	535	530	535	524	528	522	515	518	526	535	520	523	7
8	535	529	532	546	540	533	537	523	532	528	522	522	527	532	522	524	8
9	525	530	535	550	547	543	533	521	536	535	530	526	529	540	525	515	9
10	530	536	544	552	547	549	532	522	545	544	542	527	535	548	538	533	10
11	508	537	553	552	544	554	535	525	553	560	557	528	543	535	537	533	11
Noon	508	538	552	543	540	551	543	530	555	563	560	529	543	532	538	533	Noon
13h	500	535	541	540	541	545	543	527	553	550	555	524	540	525	535	520	13h
14	513	531	537	535	542	540	540	527	545	542	545	524	540	522	527	513	14
15	515	530	533	531	540	536	515	523	530	530	535	520	540	513	510	506	15
16	513	529	527	529	532	532	500	520	523	523	525	517	530	505	499	502	16
17	510	527	525	530	525	530	515	517	522	515	523	513	525	512	500	505	17
18	512	527	525	528	525	528	513	516	522	513	503	515	522	515	505	503	18
19	517	525	524	525	523	527	512	515	524	504	493	517	521	516	500	510	19
20	515	523	524	523	523	527	512	517	518	500	475	520	520	512	509	502	20
21	516	524	523	522	523	529	513	516	517	477	480	517	523	510	500	503	21
22	519	526	524	523	524	530	520	528	521	515	480	518	524	512	510	507	22
23	520	523	523	522	524	531	520	526	522	503	500	518	527	512	515	513	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	510	513	503	525	473	491	506	523	472	505	516	460	493	500	493	508·9	Midnight
1h	510	513	507	520	490	505	515	523	477	492	517	475	507	502	502	511·8	1h
2	513	515	510	518	481	505	513	523	481	495	517	510	510	507	507	515·0	2
3	515	519	512	523	487	510	512	522	485	510	519	500	513	508	507	517·1	3
4	517	517	515	525	485	503	509	520	489	509	518	499	511	510	510	517·5	4
5	514	519	518	522	488	502	512	523	490	500	515	505	510	510	512	518·3	5
6	515	525	520	522	487	505	511	520	505	500	512	519	505	506	513	519·5	6
7	520	526	525	527	485	500	513	520	513	503	520	517	502	508	512	520·5	7
8	520	534	533	535	487	498	518	524	517	515	535	519	502	512	513	524·1	8
9	525	533	540	543	495	503	527	529	523	519	545	519	510	515	515	527·8	9
10	525	530	550	543	480	515	535	530	522	520	555	519	518	513	518	532·2	10
11	529	517	549	550	483	524	534	535	520	523	550	513	525	502	503	532·6	11
Noon	530	515	543	555	490	525	537	531	518	520	558	523	523	490	500	532·8	Noon
13h	520	517	542	560	487	517	533	518	510	520	560	526	505	492	501	528·5	13h
14	510	518	540	555	493	496	525	510	502	519	551	516	496	490	502	524·1	14
15	500	507	525	510	475	492	520	480	493	510	535	503	499	482	485	513·6	15
16	488	503	515	460	473	483	513	430	495	502	515	500	497	470	465	503·7	16
17	500	505	513	450	475	470	513	415	492	503	485	495	485	453	473	500·7	17
18	502	509	512	435	485	487	512	417	493	505	483	497	482	452	475	500·6	18
19	495	512	517	430	490	493	508	420	497	504	465	500	485	449	475	499·8	19
20	505	513	520	427	500	494	508	420	505	505	460	496	490	460	495	500·6	20
21	490	510	520	460	500	493	507	450	507	507	470	483	487	470	505	501·7	21
22	503	500	520	470	520	503	509	455	508	509	463	480	489	480	503	506·2	22
23	515	495	520	455	495	500	509	463	505	510	460	485	491	493	515	506·8	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 1935

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	703	694	694	691	692	691	689	689	685	686	689	693	688	686	689	686	Midnight
1h	702	693	693	691	692	691	690	690	686	686	687	692	688	686	689	688	1h
2	701	694	692	691	692	691	690	688	687	687	687	691	687	685	690	687	2
3	699	693	691	691	692	691	690	689	686	687	686	691	687	685	687	687	3
4	697	693	691	691	691	691	691	690	688	688	687	692	688	685	687	687	4
5	697	693	690	691	692	692	691	691	689	689	689	690	689	686	687	688	5
6	697	693	692	691	691	691	691	691	688	689	690	690	690	687	689	688	6
7	700	695	691	694	692	692	692	693	691	692	690	693	693	690	688	690	7
8	703	697	694	698	695	695	697	695	694	693	693	695	697	692	690	693	8
9	705	700	700	702	700	696	698	693	696	694	694	698	700	691	695	694	9
10	704	702	703	702	701	700	700	693	693	695	695	697	697	692	695	692	10
11	695	700	690	701	699	696	690	687	685	690	691	692	690	685	690	689	11
Noon	689	691	677	696	692	690	680	673	674	680	685	684	677	685	682	684	Noon
13h	684	680	665	689	683	683	672	660	669	671	678	683	665	683	674	675	13h
14	680	669	663	685	675	679	665	653	667	666	677	684	664	681	671	669	14
15	681	668	670	687	676	680	666	660	673	670	680	686	672	681	675	666	15
16	685	700	677	690	683	682	676	666	679	676	687	689	680	684	682	669	16
17	687	705	683	693	688	685	680	673	682	682	691	691	685	686	688	674	17
18	691	682	687	695	692	686	685	682	686	687	692	692	685	687	686	680	18
19	693	687	688	693	691	687	686	686	685	689	695	690	685	687	686	683	19
20	696	690	690	693	691	688	687	686	686	689	694	691	686	688	686	684	20
21	697	691	692	693	691	689	687	687	687	690	698	691	686	688	687	685	21
22	696	692	691	693	691	688	687	687	687	693	696	691	687	689	689	687	22
23	696	692	691	693	691	688	688	686	687	695	691	690	687	690	688	687	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	688	690	691	686	699	694	699	697	706	701	700	705	703	705	709	694·1	Midnight
1h	688	690	690	687	697	691	698	697	704	703	700	706	702	703	708	693·9	1h
2	688	689	690	687	697	694	699	697	703	703	699	703	701	702	706	693·5	2
3	688	688	690	687	697	692	700	698	705	702	699	701	702	702	705	693·2	3
4	688	689	690	687	697	694	700	698	705	701	700	703	703	703	705	693·5	4
5	688	688	689	689	697	695	701	699	706	703	701	703	703	703	705	694·0	5
6	688	686	689	689	698	697	700	698	706	704	702	704	706	705	705	694·3	6
7	690	687	691	691	699	696	702	699	706	706	702	704	708	709	704	695·8	7
8	697	690	691	691	695	698	705	702	705	707	703	703	707	712	703	697·8	8
9	697	693	688	688	693	699	706	703	703	706	700	702	703	710	703	698·4	9
10	695	695	688	686	690	*	706	701	700	704	700	702	695	709	703	697·8	10
11	693	692	684	682	690	...	703	695	698	702	697	700	687	703	702	693·3	11
Noon	687	685	680	676	683	...	699	691	695	697	691	696	680	694	699	686·4	Noon
13h	681	682	675	670	681	...	693	687	694	691	685	690	680	689	695	680·2	13h
14	677	672	674	665	681	...	693	687	697	689	684	690	681	692	691	677·4	14
15	683	673	679	673	685	...	698	692	700	691	687	694	688	693	694	680·7	15
16	690	679	683	683	689	691	700	705	704	693	691	699	694	697	702	687·1	16
17	691	684	684	697	693	697	700	712	705	694	699	700	700	702	709	691·4	17
18	689	684	686	700	695	699	699	710	703	697	701	700	701	703	706	692·3	18
19	690	685	685	700	693	697	698	713	702	699	701	700	701	705	708	693·0	19
20	687	685	685	700	694	699	697	712	702	699	703	701	700	707	705	693·4	20
21	690	686	685	699	691	699	697	709	702	699	708	703	702	709	705	694·1	21
22	690	689	686	699	693	699	697	709	701	699	704	707	703	708	706	694·5	22
23	689	691	687	699	694	699	697	707	701	700	709	707	705	707	704	694·5	23

* Instrument under repairs.

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of OCTOBER 1935.

Month and day 1935.	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.
OCT.	mbs.	°C	°C	°C	%	mbs.	°	m.p.s.		°C	°C	°C	°C	°C	°C	°C	mms.	mins.	hrs.	%
1	970·7	21·9	4·6	13·8	60	15·6	80	4·5	7	15·8	21·1	22·5	17·6	23·6	14·8	8·8	...	...	10·2	84
2	970·0	22·3	4·8	13·9	59	15·7	80	5·8	7	16·5	21·0	22·9	17·7	24·1	16·4	7·7	...	...	10·0	82
3	969·1	21·5	3·3	17·4	77	19·7	65	4·0	10	17·1	19·0	21·9	17·7	24·2	17·0	7·2	2·7	34	3·1	25
4	969·6	23·2	4·3	15·7	63	17·7	90	2·7	9	15·1	21·6	22·6	19·0	24·5	14·5	10·0	...	...	6·2	50
5	969·3	20·0	1·7	16·9	82	19·0	285	3·1	9	17·8	22·9	25·0	18·8	25·6	16·0	9·6	...	...	9·7	79
6	970·3	23·9	4·6	15·9	61	17·9	90	2·2	3	17·0	22·1	23·2	18·7	25·7	16·6	9·1	...	...	5·4	44
7	971·0	21·9	2·6	17·3	75	19·6	90	4·5	10	17·9	21·1	22·9	18·7	23·8	17·5	6·3	0·7	15	7·3	59
8	972·3	22·2	3·8	15·5	66	17·4	65	4·5	7	17·6	21·6	23·8	18·0	25·0	17·1	7·9	...	...	11·3	92
9	972·5	22·5	3·0	17·2	72	19·4	105	4·5	9	17·3	20·2	22·9	18·0	24·0	17·3	6·7	0·2	3	9·0	73
10	973·1	21·9	3·3	16·1	70	18·1	90	8·1	8	17·5	20·0	21·6	18·7	23·5	17·5	6·0	6·0	89	9·8	79
11	972·4	18·9	1·4	16·3	85	18·4	90	10·3	10	17·4	18·1	21·7	17·9	22·6	16·6	6·0	7·1	132	9·1	73
12	972·2	20·4	1·9	17·0	81	19·2	90	8·9	6	17·3	20·0	21·6	17·8	22·2	16·8	5·4	5·0	86	8·9	72
13	972·3	21·3	4·8	12·8	59	14·7	90	4·5	9	15·1	19·9	22·2	17·1	23·6	15·1	8·5	0·8	27	8·0	65
14	971·3	21·2	5·7	11·2	53	13·2	110	7·2	5	16·8	19·8	21·6	17·3	23·2	15·9	7·3	0·7	19	10·0	80
15	970·8	20·6	2·5	16·1	75	18·1	90	7·2	8	16·9	20·6	21·5	17·9	23·0	16·9	6·1	0·9	15	8·8	70
16	970·9	21·0	5·4	11·4	54	13·4	110	4·0	9	15·5	20·8	21·3	17·5	23·1	15·4	11·7	...	...	7·8	62
17	971·7	21·5	4·0	14·4	64	16·3	110	6·7	8	16·2	19·1	21·0	15·0	22·5	15·0	7·5	0.1	2	6·8	54
18	972·4	19·9	2·5	15·4	75	17·3	110	7·2	9	15·1	19·0	21·6	17·8	23·3	14·8	8·5	0·5	33	6·7	54
19	972·5	22·2	5·6	12·4	54	14·3	105	8·9	2	16·0	21·0	22·2	18·8	24·4	16·0	8·4	1·3	25	10·2	82
20	971·9	21·3	3·8	14·6	66	16·5	110	8·1	5	16·9	19·2	21·7	18·0	23·1	16·9	6·2	2·4	37	8·0	64
21	971·6	21·2	3·7	14·7	67	16·6	90	4·0	9	15·0	21·0	21·3	17·0	24·1	13·8	10·3	...	...	8·4	67
22	969·8	22·3	3·9	15·5	65	17·4	85	8·1	1	17·0	21·7	22·9	18·0	24·3	17.0	7·3	0·9	12	9·7	77
23	968·8	18·8	0·5	17·9	94	20·3	70	6·3	10	16·5	19·8	18·9	17·1	22·0	15·8	6·2	9·1	102	3·8	30
24	967·5	20·3	1·7	17·2	82	19·4	90	6·7	8	16·5	19·1	20·0	18·0	22·6	16·0	6·6	7·4	129	5·2	41
25	968·1	22·9	3·0	17·6	72	19·9	70	4·5	8	18·0	21·6	23·5	18·7	24·7	17·6	7·1	...	...	9·9	78
26	967·5	23·9	4·0	17·0	65	19·2	75	2·7	8	18·0	17·9	25·0	19·1	25·7	17·6	8·1	...	...	10·1	80
27	967·2	22·7	2·5	18·3	75	20·8	110	6·7	10	19·0	20·0	21·8	20·1	24·0	18·6	5·4	0·8	19	3·8	30
28	966·4	23·9	3·4	18·0	69	20·4	90	5·4	7	19·5	19·4	24·9	20·0	25·8	18·8	7·0	1·2	21	8·5	67
29	966·9	25·0	3·8	18·5	67	21·1	250	2·7	5	20·0	23·1	26·4	19·5	26·8	17·6	9·2	0·1	2	11·7	92
30	967·8	26·4	5·9	16·4	54	18·5	Calm		2	16·7	24·9	27·0	19·7	28·5	15·8	12·7	...	...	10·6	83
31	968·5	24·9	4·7	16·8	61	18·9	80	2·2	6	18·0	23·8	25·8	20·3	26·8	17·2	9·6	...	...	11·9	93
Mean	970·2	22·0	3·5	15·8	68·4	17·9	...	5·4	7·2	17·0	20·7	22·7	18·2	24·2	16·4	7·9	47·9	802	8·38	67·1
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	+	42·1mbs.	Amount of rain	—	15·9mms.
Temperature of the Air	+	2·8°C	Duration of sunshine	+	12·1hrs
Vapour Pressure	+	0·9mbs.	Mean of maximum temperatures	+	2·5°C
Relative Humidity	—	7·8%	,, minimum temperatures	+	2·0°C
Velocity of Wind	—	0·5mps.	Absolute maximum temperature	+	0·9°C
Amount of Cloud	—	1·0	,, minimum temperature	+	1·2°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1935.

Month and Day 1935.	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	mm.	min		mm
1	1012·0	− 0·7	26·2	17·4	8·8	21·5	+ 0·1	3·2	15·8	− 0·1	70	− 1	17·8	14·4	0·0	...	5·3	3·0
2	1011·1	− 1·6	26·2	18·0	8·2	21·9	+ 0·5	3·0	16·6	+ 0·7	72	+ 1	18·7	14·4	0·4	10	7·0	4·7
3	1010·8	− 1·8	26·3	18·1	8·2	21·9	+ 0·4	2·7	16·9	+ 0·9	73	+ 2	19·0	17·4	0·2	7	4·3	6·4
4	1010·9	− 1·6	27·1	16·7	10·4	22·2	+ 0·7	3·1	16·8	+ 0·8	71	0	18·9	14·8	0·0	...	5·7	4·4
5	1010·7	− 1·8	28·0	19·2	8·8	23·2	+ 1·6	2·0	19·7	+ 3·8	81	+ 10	22·7	16·4	0·5	10	6·7	4·7
6	1011·6	− 0·8	27·3	19·0	8·3	22·8	+ 1·2	2·9	17·7	+ 1·8	73	+ 2	20·1	15·5	0·0	...	6·5	3·6
7	1012·6	+ 0·3	25·2	19·6	5·6	22·1	+ 0·4	1·9	18·8	+ 2·8	82	+ 12	21·5	17·5	2·5	27	7·3	5·0
8	1013·7	+ 1·5	27·0	19·0	8·0	22·3	+ 0·6	2·8	17·4	+ 1·4	74	+ 4	19·7	13·7	0·0	...	3·0	3·7
9	1014·7	+ 2·5	26·6	18·6	8·0	21·8	0·0	2·4	17·6	+ 1·5	77	+ 7	19·9	17·0	0·2	10	5·8	4·6
10	1014·7	+ 2·6	26·1	18·0	8·1	21·8	0·0	2·7	17·0	+ 0·9	74	+ 4	19·2	13·6	1·5	10	7·6	5·1
11	1013·7	+ 1·7	26·0	18·7	7·3	21·9	+ 0·1	3·2	16·2	+ 0·1	70	0	18·2	16·7	1·0	31	6·1	5·0
12	1013·5	+ 1·6	25·3	17·8	7·5	21·6	− 0·3	4·1	14·3	− 1·9	64	− 6	16·2	14·4	1·4	37	8·0	5·6
13	1013·9	+ 2·1	26·1	18·2	7·9	21·7	− 0·2	4·2	14·3	− 1·9	63	− 7	16·2	16·0	0·0	...	7·1	6·4
14	1012·4	+ 0·7	26·1	18·9	7·2	22·1	+ 0·1	4·2	14·7	− 1·7	63	− 7	16·6	14·1	0·0	...	6·8	2·9
15	1012·2	+ 0·6	25·7	18·3	7·4	21·7	− 0·3	3·1	16·2	− 0·2	71	+ 1	18·2	14·8	0·0	...	7·0	5·1
16	1012·5	+ 1·0	26·2	16·5	9·7	21·6	− 0·5	4·0	14·5	− 2·0	64	− 6	16·4	11·4	0·0	...	6·1	4·8
17	1013·4	+ 2·0	26·1	18·0	8·1	20·9	− 1·2	3·4	14·8	− 1·7	68	− 2	16·7	14·4	0·5	15	6·9	4·9
18	1013·7	+ 2·3	26·1	15·0	11·1	20·9	− 1·3	3·0	15·5	− 1·1	71	+ 1	17·4	10·8	0·0	...	5·6	4·5
19	1014·1	+ 2·8	26·8	18·6	8·2	22·4	+ 0·2	4·1	15·2	− 1·4	64	− 6	17·1	15·0	0·4	20	6·8	4·2
20	1013·3	+ 2·1	26·3	18·7	7·6	22·0	− 0·3	3·3	16·2	− 0·5	69	− 1	18·2	17·7	3·1	60	7·6	6·1
21	1012·5	+ 1·3	26·6	15·7	10·9	21·6	− 0·7	3·6	15·2	− 1·5	67	− 3	17·2	12·2	0·0	...	7·4	4·6
22	1010·8	− 0·3	26·8	19·0	7·8	22·7	+ 0·3	3·8	16·0	− 0·8	66	− 4	18·0	17·0	1·5	33	8·4	5·5
23	1009·8	− 1·2	25·0	18·2	6·8	21·4	− 1·1	2·9	16·3	− 0·6	73	+ 3	18·4	16·5	4·8	44	6·4	5·6
24	1008·6	− 2·4	25·0	18·9	6·1	20·9	− 1·6	1·4	18·4	+ 1·5	86	+ 16	21·0	16·7	13·6	105	2·3	7·6
25	1008·8	− 2·1	27·0	19·0	8·0	22·5	− 0·1	2·5	18·1	+ 1·3	76	+ 6	20·6	18·9	0·0	...	4·6	3·6
26	1008·3	− 2·5	27·0	19·7	7·3	22·8	+ 0·2	2·5	18·4	+ 1·6	76	+ 6	21·0	17·4	0·0	...	6·5	3·8
27	1007·8	− 2·9	28·0	19·0	9·0	23·6	+ 0·9	2·8	18·8	+ 1·9	75	+ 5	21·5	18·0	0·4	15	4·3	5·8
28	1007·1	− 3·5	28·2	20·6	7·6	24·1	+ 1·4	3·1	18·8	+ 1·9	72	+ 2	21·5	17·9	0·0	...	7·2	4·7
29	1008·3	− 2·3	28·5	20·0	8·5	23·9	+ 1·1	2·6	19·4	+ 2·4	76	+ 6	22·3	18·5	0·0	...	7·0	4·0
30	1009·3	− 1·2	29·2	18·0	11·2	23·5	+ 0·7	3·1	18·2	+ 1·2	72	+ 2	20·6	14·6	0·0	...	6·4	2·9
31	1009·8	− 0·7	29·4	18·6	10·8	23·8	+ 0·9	3·0	18·6	+ 1·7	73	+ 3	21·2	15·0	0·0	...	6·6	3·7
Mean	1011·5	− 0·1	26·7	18·4	8·3	22·2	+ 0·1	3·0	16·9	+ 0·4	71·8	+ 1·6	19·1	15·6	Sum 32·0	Sum 434	6·3	4·7
Aver.	1011·6	...	26·8	18·0	8·8	22·1	...	3·2	16·5	...	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 1935.

The weather of the month was characterised by two large pressure oscillations of comparatively long duration, with correlated temperature and humidity effects.

The onset of the high pressure conditions brought little or no rain, while the pressure fall which started on the 22nd brought in 3 days over 60% of the total monthly rainfall. This latter was sensibly below normal at the observatory with considerable shortage in duration. Temperature, though widely variable during the month, was above normal in the mean.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1935.

Month and Day 1935.	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
OCTOBER	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h
1	10·7	88	3·1	− 0·5	24·3	23·3	23·5	24·1	b : bc : b
2	9·3	76	3·3	− 0·3	24·2	23·5	23·6	24·2	bcp : bc : bcd : bc : b
3	2·8	23	2·3	− 1·3	24·3	23·5	23·6	24·1	cr_0 : c : bc : b
4	7·7	63	2·3	− 1·3	24·4	23·5	23·6	24·0	bc : c : bc : b
5	10·2	83	2·1	− 1·5	24·2	23·0	23·7	24·3	bc r_0 : bc . c : bc : b
6	7·1	58	2·6	− 1·0	24·4	23·6	23·8	24·6	b : bc : b_0
7	6·2	50	2·9	− 0·6	24·2	23·6	24·0	24·5	b_0 : bc : c : cgr_0r_0 : bc : b
8	11·3	92	3·3	− 0·2	24·4	23·6	24·0	24·4	bc : b : b_0
9	9·7	78	2·8	− 0·7	24·2	23·5	24·0	24·4	b : bc ; cr_0 : bc : bcq_0 : bc : b
10	8·6	69	3·9	+ 0·4	24·3	23·5	24·0	24·5	b : bc : c d_0 : c : cr_0 : bc
11	10·8	87	4·8	+ 1·3	24·2	23·5	24·0	24·4	bcq dd : bcq : bc : b : bc
12	10·7	86	4·8	+ 1·3	24·2	23·4	23·9	24·3	bc r_0r_0 : bq ; bcq : bc
13	6·4	52	3·1	− 0·4	24·2	23·6	23·9	24·2	bc : c : bc
14	11·8	94	3·9	+ 0·4	24·3	23·7	23·9	24·1	bc ; b : bc : b
15	8·8	70	3·7	+ 0·2	24·3	23·6	23·9	24·2	bc
16	9·0	72	3·2	− 0·2	24·3	23·7	23·9	24·0	b : bc : b
17	8·2	66	3·1	− 0·3	24·2	23·7	23·9	24·0	bc ; cd_0 : bc : b
18	8·1	65	3·7	+ 0·3	24·1	23·8	23·9	24·1	b : bc : c ; bc : b
19	10·4	83	4·6	+ 1·2	24·3	23·7	23·9	23·9	b : bc ; cr_0r_0
20	9·5	75	5·0	+ 1·6	24·3	23·7	23·9	24·0	bc : bc r_0 : cqr_0 : bcq : bc
21	10·5	83	3·5	+ 0·1	24·2	23·8	23·9	24·0	b : bc : c : bcq_0 ; bc : b
22	9·5	75	4·5	+ 1·1	24·3	24·2	23·9	24·3	b p : cg ; bc : bcr_0 : b
23	5·3	42	3·8	+ 0·4	24·3	23·9	24·0	24·2	b : bc : cr_0 : ogr : cr : bcd_0 : b
24	4·6	37	3·5	+ 0·1	24·4	23·9	24·0	24·0	bcr_0r_0 : bc : c r_0r_0 : or_0 : bc
25	10·8	85	3·2	− 0·2	24·2	23·9	24·0	24·1	b : bc : b
26	6·3	50	2·2	− 1·2	24·1	23·7	24·0	24·7	b : bc : c : bc : b
27	10·5	83	4·0	+ 0·6	24·3	23·9	24·0	24·5	bc : cq_0 : bcq_0 : cr_0 : bc
28	7·7	61	2·7	− 0·7	24·4	24·0	24·1	24·8	b : bc : c ; bc . b
29	9·2	72	2·5	− 0·9	24·2	23·9	24·3	25·2	bc : b ; bc : cg ; bc : b
30	9·6	76	2·2	− 1·2	24·2	24·1	24·5	25·7	b ; bc : b
31	11·2	88	2·4	− 1·0	24·3	24·0	24·6	25·6	b_0 : b : bc : c : bc : b
Mean	8·77	70·4	3·32	−0·15	24·27	23·69	23·94	24·37	.....
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 1935.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1016·1mbs	at 09·00hr.	on 10th	1005·2mbs	at 15·00hr.	on 28th
Temperature of the Air	29·4°C	at 12·20hr.	on 31st	15·0°C	at 02·55h.	on 18th
Daily range of temperature of the Air ...	11·2°C	...	on 30th	5·6°C	..	on 7th
Temperature of the Dew Point	21·1°C	at 10.00hrs.	on 5th	11·8°C	at 09·00hrs.	on 12th
Daily range of temperature of the Dew Point	6·6°C	...	on 12th	1·5°C	...	on 15th
Minimum on Grass	...	...	...	10·8°C	...	on 18th
Relative humidity	95·9%	at 07.00hrs. / 03·00hrs.	on 5th / on 8th	45·1%	at 14·00hrs	on 12th
Vapour Tension	24·8mbs.	at 10.00hrs.	on 5th	13·7mbs.	at 09·00hrs.	on 12th
Wind Velocity	8·9m.p.s.	at 09·00hrs.	on 12th	0·6mps	at 04,00hrs.	on 29th
Rainfall in 24 hours	13·6mms. ending 21hrs.		on 24th	...	...	.
Evaporation in 24 hours...	8·4mms	...	on 22nd	2·3mm	...	on 24th
Duration of sunshine	11·8hrs	...	on 14th.	2·8hrs.	...	on 3rd

Mean Day Temperature of Air, 24·44°C. Average 24·60°C. Mean Night Temperature of Air, 20·01°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
...	3	27	1	...	7	7	...	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 1935.

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	130	121	111	118	113	114	128	137	155	153	145	140	148	134	128	127	Midnight
1h	123	117	105	116	110	114	125	132	150	147	145	138	145	130	125	126	1h
2	120	112	103	113	104	113	121	130	145	146	142	135	142	127	120	123	2
3	117	108	102	112	100	110	118	126	140	143	139	132	140	124	118	120	3
4	116	110	104	109	103	113	117	126	138	145	137	127	140	123	117	120	4
5	118	113	107	111	105	115	122	127	130	147	137	128	144	123	120	123	5
6	123	116	109	116	110	118	125	130	144	150	143	133	147	127	121	128	6
7	127	117	112	116	115	123	128	138	150	153	146	138	151	130	126	132	7
8	133	123	117	120	117	126	133	145	156	157	147	142	154	133	128	137	8
9	132	122	117	117	118	125	136	144	158	161	151	141	155	133	130	127	9
10	130	120	116	116	113	123	135	146	157	158	148	142	148	130	127	133	10
11	127	116	113	113	114	120	130	140	150	153	144	142	143	127	126	131	11
Noon	122	110	107	107	107	113	128	133	147	150	137	136	137	123	121	127	Noon
13h	116	104	100	098	102	110	121	127	142	144	127	132	130	118	112	118	13h
14	110	097	096	091	096	103	115	124	137	133	123	123	123	112	107	113	14
15	107	096	091	090	093	101	113	124	133	132	120	120	120	109	106	112	15
16	107	098	092	094	090	102	114	124	132	133	118	120	120	110	105	111	16
17	110	111	095	096	095	104	115	127	135	136	120	122	121	110	108	113	17
18	116	106	102	102	098	110	122	135	140	140	126	127	125	115	113	117	18
19	117	109	107	107	105	118	127	144	150	145	132	133	133	120	121	125	19
20	121	113	112	112	112	125	135	150	156	150	138	144	140	124	125	120	20
21	124	117	120	116	114	128	138	154	160	152	144	150	145	130	130	133	21
22	125	116	121	115	119	130	139	156	160	152	147	151	144	137	131	138	22
23	123	115	121	113	118	130	140	155	158	150	143	150	140	133	130	137	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	134	141	149	142	140	121	116	100	091	090	083	085	078	097	101	1012·2	Midnight
1h	130	135	145	139	138	120	108	093	088	086	082	077	075	094	100	1011·8	1h
2	131	131	143	133	133	113	104	088	083	081	075	070	070	087	095	1011·4	2
3	129	127	140	130	130	110	100	083	080	077	073	063	070	085	092	1011·1	3
4	129	127	140	130	132	109	098	082	081	078	072	063	069	087	091	1011·1	4
5	133	130	142	135	133	110	099	085	083	079	074	067	072	087	092	1011·3	5
6	137	134	144	140	132	113	102	089	090	086	077	070	080	091	097	1011·7	6
7	142	139	146	138	133	117	105	093	096	088	082	075	084	092	100	1012·0	7
8	146	145	150	140	137	119	107	097	100	091	087	077	088	097	103	1012·4	8
9	148	149	153	141	135	116	110	098	102	093	090	078	093	099	102	1012·5	9
10	145	148	151	139	133	115	106	096	099	093	090	077	092	097	101	1012·3	10
11	136	146	146	135	126	110	103	087	094	090	085	078	091	096	100	1012·0	11
Noon	131	140	138	131	122	106	100	081	087	085	080	074	087	093	098	1011·5	Noon
13h	126	130	135	123	115	100	087	073	082	077	071	070	082	090	093	1010·8	13h
14	124	126	127	119	110	093	081	072	076	071	065	060	077	087	091	1010·3	14
15	121	124	123	116	105	091	079	068	076	065	061	052	076	082	088	1010·0	15
16	122	123	124	117	107	089	080	067	074	066	067	053	076	081	087	1010·0	16
17	123	127	127	120	108	093	082	070	073	068	064	057	075	084	089	1010·2	17
18	128	132	134	125	117	098	087	078	081	076	067	063	082	088	095	1010·8	18
19	135	140	143	132	121	107	094	085	087	085	073	067	088	094	100	1011·4	19
20	141	150	147	138	126	109	099	091	095	088	082	081	093	100	108	1012·0	20
21	146	154	150	141	128	115	104	096	096	092	089	082	095	102	110	1012·4	21
22	145	153	151	143	130	118	106	097	096	092	091	083	099	106	113	1012·6	22
23	146	150	148	143	127	107	103	095	095	090	088	082	100	107	112	1012·4	23

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

Hour. \ Day.	October 1935.																															
	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	5	7	2	0	0	0	3	0	1	2	6	6	4	2	2	2	1	0	6	2	4	2	6	3	1	0	4	7	1	0	2·6
1h	1	3	8	2	0	2	0	2	0	0	3	7	8	7	3	2	4	1	0	6	1	5	2	6	3	1	3	4	8	1	0	3·0
2	1	1	8	4	7	5	0	4	1	0	5	8	7	3	4	2	3	2	1	4	2	3	1	5	3	0	4	3	7	0	0	3·2
3	1	4	8	4	9	2	0	4	1	0	6	9	8	5	5	2	4	3	2	4	2	4	2	5	4	2	5	1	5	0	1	3·6
4	1	4	8	2	8	3	1	5	2	3	7	8	9	4	4	2	4	0	2	4	3	8	3	7	5	2	6	1	5	0	1	3·9
5	3	2	8	4	5	3	2	4	9	4	9	4	9	1	4	2	6	2	4	5	2	9	7	4	2	3	6	2	3	0	1	4·2
6		8	9	9	5	4	5	4	9	4	9	4	9	3	4	3	8	6	4	8	2	9	8	4	2	4	6	2	2	0	2	5·2
7	3	5	9	8	6	3	7	5	8	4	7	3	9	3	5	3	8	6	5	8	4	9	8	8	3	4	6	2	2	1	2	5·3
8	3	3	9	6	6	4	8	6	8	3	6	2	9	3	6	2	8	5	5	8	5	8	9	9	4	4	5	4	2	1	3	5·3
9	3	4		2	6	3	9	5	8	4	6	1	9	3	9	7	9	8	6	8	5	7	9	10	5	5	7	4	2	1	4	5·7
10	5	4	8	3	7	5	9	0	6	8	6	2	9	5	8	7	7	9	5	8	8	5	9	10	5	5	9	5	2	1	5	6·2
11	5	5	9	5	8	5	9	6	7	7	6	4	8	4	8	7	6	10	4	7	8	5	9	8	6	8	8	5	2	4	5	6·4
Noon	5	5	8	8	8	6	10	6	6	9	4	7	7	4	7	7	7	9	4	5	7	5	10	9	6	9	7	5	2	3	4	6·4
13h	5	6	7	7	9	6	10	6	6	9	4	7	7	4	6	7	7	9	7	6	7	6	8	9	5	8	6	9	2	3	8	6·6
14	6	6	8	5	9	6	9	6	7	8	4	7	8	3	5	7	7	6	5	7	7	7	8	9	8	9	4	9	8	5	9	6·8
15	5	6	8	4	7	6	8	5	6	7	4	6	5	3	5	7	7	6	5	8	7	7	8	10	8	7	5	8	9	8	8	6·5
16	4	6	6	6	2	7	8	4	7	9	4	6	4	2	5	8	7	5	5	7	6	5	6	10	4	5	4	8	9	7	7	5·9
17	4	7	4	6	3	7	5	4	6	9	5	5	4	2	5	8	6	5	5	6	6	4	6	10	3	4	4	7	9	7	6	5·5
18	4	7	3	9	4	7	5	3	5	5	4	5	4	2	4	8	2	4	5	8	6	4	3	10	3	4	4	7	5	8	5	5·1
19	2	7	3	6	2	2	4	2	3	5	3	5	4	1	4	7	2	3	4	6	8	5	4	10	2	1	7	7	5	6	4	4·3
20	1	5	3	3	1	0	3	1	2	6	3	7	2	1	5	5	1	2	3	4	5	5	4	9	2	1	8	5	2	5	3	3·5
21	1	3	3	2	0	0	2	0	1	6	3	6	2	1	5	3	1	2	2	9	2	3	2	8	1	1	9	3	1	4	3	2·9
22	1	3	2	0	0	0	2	0	1	6	4	9	3	1	5	3	2	2	8	4	2	3	2	4	0	1	8	2	0	3	3	2·7
23	2	3	2	0	0	0	2	0	1	6	4	7	5	1	4	4	1	2	8	2	3	3	3	5	0	1	6	4	0	2	3	2·7

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

Hour Ending. \ Day.	October 1935.																															
	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	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	6	13	13	0·5
7	29	8	0	3	37	34	47	44	6	0	24	20	0	52	43	31	11	45	55	18	35	0	30	55	50	50	58	45	60	60	60	16·8
8	51	52	10	43	60	14	60	60	50	26	60	60	3	60	47	60	40	59	45	12	47	3	18	37	34	60	35	56	60	60	60	22·4
9	57	60	0	60	35	60	47	60	35	45	60	60	1	60	51	60	14	30	36	45	60	58	31	8	60	60	54	35	60	60	60	23·8
10	60	60	11	60	57	60	8	60	18	50	60	60	20	60	33	59	18	5	60	60	56	60	53	22	60	60	33	60	60	60	59	24·4
11	60	60	15	58	52	60	10	60	60	60	60	45	50	60	37	21	45	10	60	60	56	60	0	26	60	57	38	60	60	60	60	24·7
Noon	60	60	25	35	52	60	0	60	60	60	60	55	48	60	22	6	53	33	60	60	59	60	0	59	60	13	56	60	60	60	60	24·6
13h	60	60	60	45	49	17	20	60	60	60	60	38	23	60	60	46	60	32	60	60	48	60	1	40	54	18	59	59	60	60	50	25·0
14	60	51	34	60	53	0	15	60	60	60	60	57	29	60	57	60	59	60	60	57	50	50	22	12	60	7	60	30	50	31	45	23·8
15	60	56	4	58	60	44	46	60	60	60	60	60	51	60	58	55	59	60	60	52	53	48	28	0	47	22	60	23	27	40	15	24·1
16	60	16	5	35	60	45	50	60	60	53	60	60	60	60	50	60	45	45	60	47	60	59	30	12	52	11	60	32	1	28	58	23·2
17	44	54	4	6	60	31	52	60	60	45	60	58	60	60	50	43	48	60	43	52	59	60	57	7	60	18	60	0	18	38	60	23·1
18	41	20	0	0	40	0	19	35	54	0	26	31	38	55	20	38	42	54	5	45	50	52	46	0	50	3	55	3	30	8	60	15·3
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	..	10	0·1

The total Amount of Registered Sunshine was 272.0 hrs and the total possible sunshine was 387·2 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)

OCTOBER 1935.

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	18·6	1·3	19·8	2·3	20·7	1·5	18·1	1·1	22·1	1·3	19·3	0·9	20·6	1·4	20·3	0·7	Midnight
1h	18·3	1·3	19·0	1·5	20·9	1·4	18·4	1·1	21·3	1·1	19·1	0·8	20·7	1·3	19·9	0·9	1h
2	18·6	1·2	18·0	1·0	20·7	0·9	18·0	1·0	20·5	0·8	19·3	1·2	20·4	1·2	19·7	0·8	2
3	18·0	1·0	18·4	1·4	20·0	1·0	18·0	1·0	21·1	0·6	19·7	1·2	20·0	1·0	19·1	0·4	3
4	17·6	1·1	18·8	1·0	20·0	1·0	17·0	0·9	20·3	0·7	19·6	1·4	19·8	0·9	19·4	0·6	4
5	17·6	1·2	18·6	1·1	20·0	1·0	16·7	0·7	19·7	0·7	19·8	1·0	19·8	0·9	19·4	1·0	5
6	17·6	1·2	19·0	1·2	20·0	1·0	17·7	0·8	19·5	0·5	20·0	1·6	20·0	1·0	19·6	1·2	6
7	19·8	1·8	20·0	1·5	20·4	0·9	19·0	1·0	21·0	0·4	21·7	1·7	21·7	1·8	21·5	1·8	7
8	21·8	2·6	22·6	3·6	22·0	1·6	22·0	2·0	24·4	1·5	23·7	3·2	23·8	3·5	23·0	3·0	8
9	24·1	5·5	24·3	4·9	22·4	1·6	25·0	5·0	24·7	2·3	25·2	4·4	23·8	3·3	24·1	4·1	9
10	25·0	5·3	25·2	5·6	24·0	3·4	25·7	6·2	25·5	2·6	26·1	5·6	24·0	3·5	25·0	5·0	10
11	25·1	5·6	25·9	5·9	24·5	4·3	26·1	6·1	26·6	3·4	26·8	5·8	24·9	4·2	25·8	5·4	11
Noon	25·6	5·9	25·6	5·6	25·3	4·9	26·7	6·7	27·1	3·8	27·0	6·0	23·8	1·7	26·5	5·5	Noon
13h	25·5	6·0	25·3	5·5	26·0	5·6	26·7	6·3	27·1	3·9	26·4	5·0	24·0	2·5	26·0	5·9	13h
14	25·3	5·8	25·8	5·7	25·0	5·0	26·4	6·4	26·5	3·5	26·0	4·1	23·0	1·5	26·3	5·8	14
15	25·6	6·1	25·4	4·9	25·0	5·2	27·0	6·5	26·8	3·8	27·1	5·1	24·8	2·8	24·7	4·1	15
16	24·7	5·2	23·9	3·9	24·3	5·4	25·3	5·3	26·7	4·2	25·8	4·5	24·7	2·9	25·3	5·2	16
17	23·3	4·3	22·9	2·9	23·6	4·9	24·7	4·7	25·6	3·6	25·2	3·5	23·9	2·9	24·3	4·3	17
18	22·2	3·2	22·3	3·1	23·0	3·9	23·7	3·3	24·3	2·5	23·7	3·6	22·8	1·9	22·8	3·0	18
19	21·2	2·7	21·3	2·3	21·2	2·2	23·0	2·9	23·3	2·1	22·0	2·4	21·5	1·4	21·7	2·4	19
20	20·4	2·4	20·7	1·8	19·6	1·6	22·0	2·0	21·8	1·7	21·2	1·7	21·0	1·0	21·0	1·9	20
21	20·2	2·2	20·7	1·8	20·0	1·9	21·3	1·3	21·1	1·1	21·2	1·7	20·9	1·0	20·5	1·5	21
22	20·0	2·3	21·0	2·0	19·0	1·5	22·0	2·0	20·3	1·1	20·8	1·6	20·0	0·9	20·1	1·1	22
23	19·8	2·2	21·0	1·9	18·4	1·4	22·3	1·5	19·8	1·1	20·5	1·4	20·0	0·8	20·6	1·6	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	19·7	1·3	18·5	1·4	20·6	1·6	20·0	1·9	18·2	1·9	19·0	2·1	19·0	1·9	20·0	2·1	Midnight
1h	19·2	1·0	18·0	1·1	20·4	2·3	20·0	0·9	18·4	1·8	19·1	2·1	19·6	1·9	19·5	2·3	1h
2	18·9	0·9	18·5	1·4	19·9	1·3	19·7	1·2	19·2	2·0	19·0	2·0	19·0	1·7	19·2	2·1	2
3	19·4	0·6	19·1	1·2	19·8	1·3	19·5	0·7	19·0	2·0	18·9	1·9	18·8	1·5	18·0	1·4	3
4	18·7	0·7	19·3	1·4	19·5	1·5	19·6	1·5	19·7	2·4	19·3	2·3	19·0	1·6	16·8	1·5	4
5	19·8	0·9	19·0	1·3	19·6	1·5	19·3	1·9	20·0	3·0	18·7	2·3	19·0	2·0	17·6	1·8	5
6	20·0	1·0	20·0	1·9	18·7	1·3	19·9	2·2	20·0	3·0	20·0	3·0	18·7	1·7	18·0	1·7	6
7	21·0	1·0	20·3	1·8	19·0	1·4	20·7	2·7	21·0	3·3	22·0	3·7	22·0	3·2	21·0	3·4	7
8	22·7	2·2	23·3	3·6	22·0	3·4	22·7	5·7	22·7	4·6	23·6	4·8	22·7	3·7	23·1	5·1	8
9	22·6	2·3	23·8	4·1	22·9	4·0	23·6	6·8	22·0	4·0	24·6	5·4	23·6	4·6	23·8	5·8	9
10	22·2	2·2	24·0	4·0	24·2	4·8	24·3	6·9	24·4	6·3	24·8	5·8	24·8	4·8	25·0	6·6	10
11	25·0	4·0	25·0	4·7	24·7	4·9	23·7	5·7	25·0	6·7	25·5	6·7	24·1	4·1	24·3	5·9	11
Noon	25·7	4·7	24·6	4·0	25·8	5·8	24·8	7·3	24·8	6·0	26·0	6·9	25·3	5·3	24·0	5·0	Noon
13h	25·1	4·1	25·1	4·9	25·3	5·5	23·2	5·0	25·0	6·0	25·7	6·9	25·1	5·1	25·5	6·8	13h
14	25·5	4·5	25·8	5·2	25·2	5·6	24·6	7·4	24·5	5·7	25·8	7·4	25·5	5·5	25·8	7·0	14
15	26·0	5·0	24·2	3·5	25·0	5·2	24·5	6·5	25·1	7·1	26·0	7·2	24·8	4·9	25·0	6·2	15
16	25·0	4·9	23·6	3·4	24·7	4·7	24·0	6·7	25·0	7·6	24·6	6·2	23·8	4·5	24·8	5·8	16
17	24·0	4·5	21·8	1·8	23·8	4·0	23·1	5·5	23·6	5·9	23·7	5·6	23·0	3·7	23·0	5·0	17
18	22·5	3·1	21·3	1·4	22·1	3·6	22·0	4·2	22·6	4·7	22·1	4·1	21·7	3·2	22·8	5·1	18
19	21·4	2·1	21·1	1·4	21·2	3·1	21·3	4·2	20·7	3·7	21·0	3·5	20·9	2·6	21·1	3·8	19
20	20·7	1·7	21·0	1·8	20·7	2·6	20·9	3·8	20·2	3·2	20·8	3·3	20·5	2·4	20·0	2·7	20
21	20·0	1·7	21·0	1·9	20·7	2·2	20·1	3·5	19·3	2·8	20·3	2·8	20·4	1·9	19·6	2·5	21
22	19·9	1·7	20·8	1·6	19·9	1·9	19·2	2·7	19·9	2·9	20·5	2·4	20·2	2·0	20·1	2·5	22
23	19·7	1·7	20·7	1·6	20·0	2·0	17·8	1·8	20·1	3·0	20·1	2·1	19·8	1·8	20·1	3·0	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 1935.

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	19·7	2·8	17·6	1·6	19·8	2·6	20·8	1·9	19·7	2·7	20·3	1·6	19·9	2·3	19·6	1·2	Midnight
1h	19·0	2·3	16·3	1·3	19·0	2·1	20·0	1·7	18·3	1·8	20·2	1·5	19·9	2·4	18·9	0·9	1h
2	19·0	1·9	15·3	1·3	18·8	2·5	20·0	1·5	17·7	1·6	19·7	1·2	19·0	1·8	19·6	1·1	2
3	19·3	1·5	15·2	1·2	18·6	2·0	20·0	1·8	17·3	1·5	19·0	1·0	19·0	1·9	19·5	1·1	3
4	18·3	1·5	17·5	1·5	19·2	2·2	20·4	1·8	17·0	1·5	20·3	1·3	18·6	1·7	19·3	1·0	4
5	18·9	1·8	17·7	1·3	19·0	2·0	19·0	0·6	16·4	1·6	20·3	1·4	19·0	1·8	19·4	1·4	5
6	19·1	2·1	18·1	1·7	19·6	2·6	19·2	0·6	15·8	1·4	20·9	1·9	19·3	1·7	19·1	1·1	6
7	20·1	2·9	21·0	3·0	22·0	4·1	20·0	1·0	19·5	2·4	22·0	3·0	20·9	2·4	21·0	1·9	7
8	22·2	4·1	22·5	4·2	22·7	4·7	21·6	2·3	23·3	3·5	23·3	4·3	22·4	3·0	21·7	1·8	8
9	21·9	3·6	22·6	3·3	24·9	5·9	23·1	4·0	24·4	5·4	24·7	5·0	23·5	3·1	21·0	1·2	9
10	21·9	3·1	21·5	2·0	25·4	6·9	24·0	5·0	24·1	4·7	25·6	5·6	24·5	5·2	21·3	1·0	10
11	24·2	5·7	23·8	4·3	25·9	6·6	25·7	5·8	25·0	5·5	26·0	6·5	23·5	3·6	22·0	1·4	11
Noon	25·8	6·8	24·0	4·5	26·2	6·9	25·4	6·5	26·0	6·5	26·3	6·4	22·0	1·5	24·0	3·5	Noon
13h	25·1	6·2	25·5	5·5	26·1	6·5	25·7	5·9	25·9	5·9	26·0	5·9	22·6	3·2	24·0	3·4	13h
14	25·0	6·1	25·6	5·6	26·0	6·6	25·0	5·3	25·0	6·0	26·0	6·6	23·1	4·1	22·0	1·2	14
15	24·4	5·9	25·5	5·9	25·5	6·2	24·3	5·3	25·9	6·1	25·3	5·8	24·1	4·6	21·5	1·1	15
16	23·5	5·4	24·3	4·8	25·0	5·4	24·0	6·0	25·0	5·9	25·0	5·9	23·8	4·8	22·6	2·4	16
17	22·8	4·8	23·5	4·4	23·1	4·2	23·0	5·0	23·7	5·2	24·0	5·5	23·4	3·8	22·5	2·7	17
18	21·5	4·5	22·0	3·4	22·8	4·0	22·3	4·5	22·7	4·2	22·9	4·0	22·0	3·2	20·9	0·9	18
19	20·1	3·3	21·1	3·0	21·8	3·0	21·5	4·0	22·2	3·2	22·6	3·7	20·9	2·7	20·4	0·6	19
20	19·0	2·6	20·8	2·7	21·6	3·3	20·8	3·4	21·9	2·9	21·4	3·0	20·9	2·8	20·5	0·9	20
21	18·0	2·0	20·3	2·4	21·2	2·3	20·6	3·2	20·9	2·9	21·1	3·0	20·4	2·4	20·3	0·9	21
22	17·4	1·6	20·2	2·5	21·1	2·5	21·1	3·2	20·2	2·2	21·0	3·1	20·2	2·2	20·2	0·9	22
23	17·5	1·7	19·8	2·2	21·1	2·9	20·7	3·5	20·4	1·6	20·1	2·4	20·2	2·2	19·7	0·7	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	20·0	0·8	20·1	0·6	20·0	1·1	21·9	1·2	23·0	2·0	20·0	1·0	20·7	1·6	19·9	1·6	Midnight
1h	19·7	0·7	20·0	0·7	19·0	1·0	21·5	1·0	22·7	1·8	19·6	1·6	20·0	1·1	19·5	1·4	1
2	19·5	0·8	20·0	0·6	20·5	0·8	21·1	0·8	22·1	1·6	19·0	1·1	19·5	1·0	19·4	1·3	2
3	19·1	0·8	19·9	0·8	21·0	0·9	21·0	1·0	21·9	1·4	19·0	1·1	19·2	1·2	19·2	1·2	3
4	19·6	0·7	20·0	0·6	21·4	1·3	21·0	1·0	21·2	1·2	18·4	1·2	18·9	1·2	19·2	1·3	4
5	19·6	0·9	20·0	0·6	21·0	1·0	21·0	1·0	20·0	1·0	18·3	1·2	18·7	1·0	19·1	1·3	5
6	19·5	0·9	20·0	0·7	21·3	1·1	21·0	1·0	20·5	1·2	19·3	1·3	19·0	1·0	19·4	1·5	6
7	21·1	1·2	22·5	1·5	23·4	2·7	23·0	1·5	23·2	2·1	22·5	2·5	22·9	1·9	21·2	2·1	7
8	23·5	2·5	24·4	3·1	24·7	3·6	24·6	2·6	25·4	3·6	24·7	2·9	24·8	3·6	23·2	3·4	8
9	24·7	3·5	25·9	3·9	25·2	3·7	25·6	3·6	26·8	4·3	27·2	5·0	26·5	4·9	24·1	4·1	9
10	25·5	4·8	26·3	4·4	25·8	4·6	26·6	4·6	27·3	4·7	27·0	5·5	27·0	4·9	24·8	4·7	10
11	25·6	4·4	26·1	4·6	26·8	4·8	27·3	5·2	27·7	4·9	28·0	5·5	27·5	5·2	25·4	5·1	11
Noon	26·1	5·1	26·3	5·0	27·4	5·4	27·5	5·0	27·7	4·4	29·2	5·9	29·0	5·3	25·9	5·3	Noon
13h	26·4	5·3	26·1	4·6	27·0	5·5	27·5	5·2	27·0	4·4	28·2	5·7	28·7	5·6	25·8	5·3	13h
14	26·8	5·7	26·1	3·4	26·6	4·7	27·3	5·5	26·9	4·2	27·1	5·1	27·7	5·2	25·6	5·2	14
15	25·4	4·3	26·0	5·0	26·0	4·7	27·1	5·6	25·8	3·5	27·9	4·9	28·2	5·7	25·5	5·1	15
16	25·3	4·3	25·7	4·8	26·3	4·8	26·5	5·1	25·3	3·1	27·0	4·5	27·5	5·0	24·9	4·9	16
17	24·7	4·5	24·8	3·7	25·1	4·1	26·1	5·0	25·7	3·5	26·2	4·0	27·0	4·5	24·0	4·2	17
18	23·4	2·8	23·4	3·3	23·7	2·7	25·0	3·9	24·6	2·8	25·2	3·4	25·1	3·9	22·9	3·4	18
19	22·1	2·1	22·3	2·3	23·3	2·3	23·8	2·8	23·4	2·1	23·7	2·7	23·3	2·3	21·8	2·7	19
20	21·0	1·4	21·3	1·8	23·3	2·2	23·0	3·0	23·3	1·8	22·5	2·2	22·8	1·9	21·2	2·3	20
21	20·7	1·3	21·0	2·0	22·5	1·3	22·1	2·3	22·7	1·7	21·9	2·1	22·1	1·5	20·7	2·0	21
22	20·4	1·2	19·7	1·5	22·1	1·2	22·6	2·5	21·4	1·2	21·3	1·7	22·5	1·6	20·5	1·9	22
23	20·0	1·0	20·2	1·2	21·7	1·2	23·0	2·1	20·5	1·0	21·0	1·7	21·8	1·4	20·3	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 OCTOBER 1935.

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 1935.

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	0·7	11	2·3	11	1·6	13	1·5	08	2·1	12	1·4	12	2·5	11	2·2	10	1·7	11	1·4	11	3·5	12	2·5	12	1·4	11	2·3	13	2·1	12	3·3
1h	12	1·1	11	1·9	08	2·3	13	1·5	11	1·3	12	2·1	12	2·0	11	1·8	10	2·9	15	1·6	11	3·3	10	3·5	12	1·7	11	1·8	13	1·7	12	3·3
2	12	1·3	11	1·8	08	2·9	13	1·2	11	1·2	13	2·7	11	2·5	11	1·7	10	1·0	12	2·3	09	2·7	12	3·7	12	1·4	11	1·7	13	2·1	12	2·5
3	12	1·0	11	1·8	11	1·9	13	1·7	04	1·0	13	1·8	11	1·8	11	1·8	12	1·8	12	1·9	12	3·4	12	2·9	12	2·3	11	2·6	13	1·9	13	1·6
4	12	1·7	11	1·7	11	1·8	13	1·5	11	0·7	13	2·2	12	2·1	11	1·9	12	1·9	12	1·2	11	2·8	10	3·9	12	1·8	12	1·8	12	2·0	13	1·2
5	12	1·5	11	1·6	11	1·2	13	2·3	11	0·8	13	1·9	12	2·5	11	2·4	11	1·7	12	1·9	11	4·4	10	3·6	12	1·7	12	1·8	11	1·8	15	2·5
6	12	1·5	11	1·8	12	1·2	13	1·2	11	0·7	13	1·6	12	2·5	11	1·8	11	0·7	12	2·6	13	5·1	10	4·4	12	2·3	12	1·9	11	1·9	15	2·3
7	12	1·8	11	2·5	13	2·2	13	1·1	11	0·8	12	2·3	12	3·1	11	3·8	11	1·4	13	2·5	12	3·8	10	6·4	10	2·4	12	4·8	11	3·1	13	3·7
8	11	2·8	08	4·6	12	1·6	11	2·4	05	1·8	12	3·5	11	3·3	11	4·8	10	2·3	12	4·7	12	6·5	09	6·4	10	3·7	12	4·9	10	4·3	12	3·1
9	09	4·3	08	4·8	12	2·0	10	2·9	r32	1·8	10	4·1	10	4·4	10	4·9	10	2·2	12	5·7	11	7·1	10	8·9	10	4·2	12	4·9	12	4·8	12	4·4
10	09	4·5	08	4·7	10	3·8	10	3·6	32	4·1	10	3·7	10	4·7	10	5·6	09	4·1	10	6·1	10	7·5	11	8·1	11	4·2	12	6·4	12	6·1	11	3·7
11	08	4·5	08	5·1	08	3·7	08	3·4	31	4·0	06	3·6	11	3·6	10	5·1	10	4·3	12	6·5	12	7·8	10	7·4	11	4·0	13	6·1	09	5·1	12	3·8
Noon	08	4·6	09	4·7	08	4·0	07	3·9	28	3·5	08	3·4	04	2·4	12	4·4	10	5·4	12	6·5	12	7·2	10	6·6	10	4·4	12	6·3	11	5·7	13	4·5
13h	10	4·3	09	4·4	08	3·9	07	4·1	24	3·8	07	2·0	06	2·6	11	4·5	10	5·7	12	6·6	10	7·2	11	6·5	12	4·2	10	6·0	10	6·7	11	5·2
14	09	4·7	09	4·4	08	3·5	07	2·8	23	3·5	d19	3·2	06	4·2	10	4·5	12	5·2	10	6·2	11	7·4	10	6·9	10	4·8	10	6·3	10	5·4	12	4·5
15	10	4·4	08	5·0	08	3·1	06	3·0	23	3·6	20	4·0	09	3·1	10	4·6	12	6·6	12	7·1	11	6·0	10	6·7	11	5·9	12	5·4	11	5·1	13	5·1
16	11	4·8	08	4·4	08	2·3	06	3·4	23	3·6	22	3·8	10	4·3	10	5·2	11	4·0	10	5·5	10	6·8	10	5·9	11	3·9	11	6·1	10	6·2	12	5·6
17	10	4·7	11	4·5	11	2·8	07	3·1	24	3·8	21	2·1	09	4·0	12	4·4	12	4·4	10	4·1	10	6·0	11	5·3	12	3·9	12	5·9	11	4·8	11	3·4
18	10	3·9	10	3·6	10	1·7	08	2·5	23	2·4	14	2·1	10	3·0	11	3·1	11	2·5	10	3·8	10	4·8	10	4·4	11	4·4	12	3·6	10	4·4	12	3·2
19	11	2·8	10	3·1	12	1·2	09	1·6	24	1·6	14	2·0	10	1·7	11	2·5	11	2·0	11	3·6	10	3·2	12	3·0	12	2·0	12	3·2	11	3·2	11	2·2
20	11	2·6	11	2·5	12	1·9	09	0·9	21	0·7	13	2·2	11	1·8	12	2·7	11	1·8	12	3·6	11	2·4	12	3·0	12	1·5	12	2·6	12	3·5	12	1·7
21	11	2·8	11	3·0	13	1·1	09	0·8	12	1·0	12	2·3	11	2·0	11	2·1	11	1·1	11	3·4	12	2·6	12	1·7	12	2·0	12	2·4	12	2·7	13	1·8
22	11	4·0	11	2·9	13	1·9	08	1·8	12	0·7	12	2·4	11	2·6	11	2·8	14	1·8	12	1·9	12	2·1	12	1·5	12	2·5	12	4·0	12	2·4	13	1·6
23	11	3·2	11	2·2	13	1·3	07	2·5	12	1·6	12	2·2	11	2·1	10	1·7	15	1·1	12	2·3	12	2·8	12	1·8	11	2·3	12	1·5	12	2·2	12	2·8

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	13	2·4	16	1·4	12	3·2	12	3·9	10	2·4	12	2·2	10	2·3	12	2·2	11	2·1	09	1·8	12	0·6	12	2·3	16	1·0	11	1·4	10	1·5	2·0
1h	16	1·5	17	1·4	12	2·4	12	4·0	10	1·9	12	2·4	10	2·7	12	2·3	11	2·1	09	1·8	12	0·8	10	2·6	20	1·0	11	2·7	10	1·7	2·1
2	16	0·7	16	0·7	12	2·0	12	4·5	10	1·7	12	2·0	11	2·3	12	2·6	11	1·8	09	1·7	12	2·7	12	1·7	20	0·7	11	1·8	10	1·1	2·0
3	11	1·4	15	1·5	12	2·6	12	2·3	10	2·0	11	2·2	11	2·4	12	3·9	11	1·8	09	1·5	13	1·3	13	1·5	20	0·9	11	1·3	10	0·9	1·9
4	11	1·9	13	2·4	12	2·7	11	4·6	10	1·2	12	2·6	11	2·1	12	2·8	11	1·7	09	1·5	13	1·5	14	1·6	20	0·6	11	1·2	10	1·5	2·0
5	12	2·5	13	2·3	11	2·8	10	4·1	10	1·8	11	3·6	11	2·3	12	2·5	11	3·1	09	1·8	13	1·8	16	1·2	20	0·9	11	1·7	10	1·2	2·2
6	14	3·2	13	2·1	12	3·0	08	3·2	14	2·2	10	2·7	11	2·7	12	2·2	11	2·4	09	0·9	12	1·9	14	2·2	17	0·8	11	1·1	10	0·8	2·1
7	11	3·2	13	3·6	11	5·5	12	4·4	14	2·1	10	4·4	11	2·3	12	3·6	11	1·8	11	2·2	12	3·2	11	2·5	19	1·1	11	1·0	10	1·1	2·8
8	11	3·6	11	5·4	10	7·0	11	5·1	12	3·7	09	5·0	11	2·8	10	3·3	06	3·9	11	3·5	12	3·9	10	3·9	22	1·8	11	1·0	10	3·0	3·8
9	13	4·4	12	5·3	11	6·0	11	7·3	11	6·1	09	6·4	08	3·9	10	3·7	07	4·7	10	3·1	11	4·8	10	4·3	22	1·8	d26	2·2	10	2·4	4·4
10	10	5·7	11	4·2	10	6·5	10	7·1	10	4·1	09	6·1	06	6·0	09	5·2	08	4·4	10	3·7	11	5·7	10	4·2	24	3·5	21	3·2	d24	2·8	4·9
11	10	4·8	11	5·9	10	7·3	10	8·7	12	5·6	09	6·2	10	3·8	09	6·0	06	4·5	11	3·6	12	5·8	10	5·9	22	7·0	24	3·8	23	3·1	5·2
Noon	10	5·1	10	6·0	10	7·2	09	5·4	09	5·2	06	6·0	06	2·8	08	5·2	08	5·2	11	3·5	13	5·7	11	4·5	22	6·0	23	3·7	20	3·4	4·9
13h	11	5·2	10	5·8	12	6·9	10	7·7	11	5·9	08	5·9	08	4·8	09	6·4	06	5·0	12	3·1	11	6·8	10	4·3	23	6·0	21	4·4	26	3·9	5·2
14	13	4·7	10	6·1	11	6·3	10	7·3	10	5·8	08	6·3	08	6·2	11	4·3	07	4·4	d26	1·3	11	7·9	11	4·2	24	5·7	22	3·0	29	2·7	5·0
15	13	4·4	12	6·5	12	7·0	12	5·9	12	5·8	06	5·5	09	4·8	08	3·4	07	4·7	01	1·7	11	7·5	11	3·8	24	4·5	04	2·0	30	4·1	4·8
16	13	4·7	10	4·7	11	6·1	12	6·6	10	5·9	09	6·0	10	5·3	09	4·5	08	4·8	11	3·6	11	7·8	12	3·9	24	4·8	03	1·7	30	3·6	4·8
17	12	4·8	12	5·2	09	5·9	10	6·6	10	5·4	09	6·4	10	5·6	06	3·6	08	4·0	10	2·0	11	5·7	12	2·3	22	4·2	05	2·9	23	2·0	4·3
18	12	3·6	11	4·9	11	4·2	11	5·4	11	4·3	10	5·7	10	3·6	07	3·9	08	3·3	13	3·1	11	5·0	14	3·2	r07	2·8	07	1·8	12	3·0	3·6
19	12	1·3	12	3·3	11	3·6	12	4·1	11	2·8	10	4·3	10	3·7	08	2·3	09	2·3	13	2·2	12	4·1	15	0·9	07	1·2	07	1·4	11	2·9	2·6
20	12	0·9	12	2·4	11	3·3	11	3·4	11	2·7	09	4·4	11	5·4	08	2·8	08	1·7	12	1·6	12	3·5	10	1·5	07	0·9	10	2·1	11	2·5	2·4
21	12	1·2	12	2·4	11	2·6	12	2·5	12	2·0	09	4·3	10	4·4	10	2·5	09	2·1	12	1·1	12	3·4	16	1·2	07	0·7	11	2·5	11	2·5	2·2
22	12	1·5	12	2·8	12	3·1	11	3·4	12	2·4	10	4·0	11	3·5	10	2·1	09	2·3	12	2·6	12	2·5	16	1·6	07	0·9	12	1·8	11	3·1	2·4
23	16	1·5	12	2·0	11	3·6	10	3·3	12	2·1	10	2·4	11	4·5	10	2·6	09	2·2	12	1·5	11	1·8	16	0·9	11	1·2	12	2·1	11	1·8	2·2

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), OCTOBER 1935.

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	1	26	1	...	...	1	...	...	..	...	...
9	...	7	24	1	...	...	...	5	10	13	..	...	..	...	1	...	1	...	...
15	...	11	20	2	...	1	2	6	3	13	..	...	...	1	...	2	...	1	...
21	...	...	31	...	...	...	...	4	2	24		1	...	...	...	...	...	...	...
Totals	...			3	...	2	2	16	16	76	1	1	...	2	1	2	1	1	...

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for OCTOBER, 1935.

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	..
1h	...	0·3	..	..	...	...	...	...	...	..	0·1	...	...	...	...	..	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	..
2	...	...	0·2	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	...	0·4	...	...	...	..	...	...	...
3	...	...	...	...	0·3	...	...	..	...	...	0·5	0·5	...	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...	...	...	...
4	...	...	...	...	0·2	...	...	...	...	...	...	0·7	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	..	...	..	...	...	...	...	...	...	0·1	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	..	...	...	...	...	...	...	0·2	0·1	...	...	...	...	...	...	...	1·5	...	...	...	...	...	...	...	...	...	...	...
7	...	.	...	...	..	...	...	...	...	...	0·2	...	..	...	...	...	...	..	...	1·6	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	..	...	...	...	..	...	...	..	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	..	...
9	...	...	...	...	...	...	...	..	0·2	..	..	...	...	...	...	...	0·2	...	..	..	...	...	0·8	0·3	...	...	...	..	..	...	...
10	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	..	...	.	...	...	.	..	...	3·2	...	...	...	...	...	...	...
11	...	...	..	...	...	...	...	...	...	0·1	...	..	...	...	...	...	...	...	..	...	...	...	...	0·3	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	...	...	..	...	...	...	...	...
13	...	...	...	..	...	...	0·2	..	..	...	...	...	...	...	...	...	...	...	...	..	...	...	1·8	...	...	...	...	...	...	...	...
14	...	...	...	..	...	...	2·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	07	..	...	...	...	...	...	...
15	...	...	...	...	..	...	0·1	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	4·1	...	...	...	...	...	...	...
16	...	...	..	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...
17	...	0·1	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	..	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	..	...	1·4	..	...	...	...	...	...	..	...	...	..	...	...	...	4·1	...	...	..	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	0·2	...	...	. .	...	0·1	...	..	...	...
21	...	...	...	...	...	...	..	...	...	...	...	..	.	...	...	...	...	...	...	...	...	0·2	...	0·2	..	...	0·3	...	...	...	...
22	.	...	..	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	0·3	...	...	..	...	...	...	...	...	...	...	...	..
23	...	...	...	...	...	...	..	..	...	...	..		...	...	...	...	...	...	0·1	...	...	...	...	..	...	...	...	...	.	...	...
24	...	...	...	...	...	...	...	...	...	..	...	..	...		...	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR OCTOBER, 1935.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of OCTOBER, 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	...	...	2·16	...
*	St. Antoine	50	1·62	41·1	1·48	9
*	Belmont	50	1·82	46·2	1·68	10
*	Poudre d'Or	20	2·67	67·8	1·74	10
	Mon Loisir S. E.	300	2·23	56·6	2·28	8
	Forbach	300	...	..	2·06	...
*	Couroupa...	...	1·71	43·5	1·86	6
*	Labourdonnais	290	1·28	32·5	2·01	6
	Mapou (Water Office) ...	...	2·44	62·0	...	6
	Beau Séjour	300	2·11	53·6	2·49	12
	Mont Piton	650	1·72	43·7	2·52	11
	Mon Choix	700	1·42	36·1	2·27	7
	Antoinette	640	2·36	59·9	2·33	10
	Mon Songe	620	2·11	53·6	2·53	7
	Botanical Gardens... ...	325	1·68	42·7	2·09	12
*	The Observatory	179	1·26	32·0	1·67	15
	Solitude	175	0·85	21·6	1·18	3
	Triolet	...	...	...	...	...
	St. André (Cour)	90	0·77	19·6	1·43	3
	La Nicolière	...	3·06	77·7	2·02	10
	California	...	2·96	75·2	2·57	4
	Australia	...	...	...	...	...
2 & 3	Union Régnard S.E.(Flacq)...	600	2·38	60·5	2·39	12
	Constance d'Arifat L.G. ...	100	1·35	34·3	2·21	12
	Rich Fund	600	2·30	58·4	2·64	11
	La Joffrette	...	1·85	47·0	...	5
	Belle Vue (Allendy) ...	...	1·69	42·9	2·70	8
4 *	Sans Souci	900	3·00	76·2	5·51	14
	Beau Champ (G.R.S.E.) ..	20	1·82	46·2	2·32	15
	Olivia	400	2·03	51·6	4·15	16
	Trois Ilots	...	1·46	37·1	...	14
	Belle Rive	400	3·18	80·8	5·11	18
	Sébastopol	700	2·27	57·7	...	6
	Bonne Veine	400	3·01	76·5	5·05	20
5	Rose Belle	850	2·19	55·6	6·19	16
	New Grove	650	1·77	45·0	...	10
	Mon Trésor	...	0·98	24·9	...	8
	Mon Désert (Carié) ...	75	0·62	15·7	2·80	8
	Ferney	20	...	...	3·50	...
	Sauve Terre	...	0·55	14·0	...	5
6	Tivoli	1,300	2·86	72·6	5·69	24
	La Flora...	1,050	2·68	68·1	5·28	20
6	Riche Bois (Brit.) ...	650	1·00	25·4	4·08	11
	Britannia (Estate) ...	700	1·36	34·5	4·35	16
	Savannah (Mill) ...	200	0·40	10·2	2·79	2
	St. Aubin	300	0·55	14·0	2·75	8
	St. Avold	900	2·02	51·3	4·33	18
	Colmar	400	1·40	35·6	3·35	13
	Union S. E.	...	0·66	16·8	2·31	3
	Fontenelle	320	0·65	16·5	2·92	3
	Choisy	200	...	...	2·30	...
	Beau Bois	...	1·52	38·6	4·43	9
	Bel Air	...	0·42	10·7	2·53	3
	St. Félix	...	0·46	11·7	...	3
7,8,9&10	Bel Ombre	40	0·70	17·8	2·22	5
	Beau Champ (B. du Cap)	70	1·57	39·9	2·15	6
	Frédérica	...	0·73	18·5	...	6
	Pierre Fond	...	0·98	24·9	1·83	8
	Ste. Marie	...	1·34	34·0	...	5
	Hussonia Limited .	..	0·31	7·9	...	3
11	Curepipe Gardens ...	1,840	3·67	93·2	4·64	8
	Mare aux Vacoas (G.E.)	1,850	3·11	79·0	5·87	25
	Mare aux Vacoas (Arn.)	1,830	3·24	82·3	5·79	15
	La Marie Filter Bed ..	1,700	1·95	49·5	3·60	12
*	Sophie	...	2·87	72·8	...	13
	Réunion	1,420	1·73	43·9	2·97	19
*	Aerological Station ...	1,393	1·79	47·9	2·65	9
	Phœnix	...	1·47	37·3	2·33	15
	Quatre Bornes... ...	...	1·03	26·2	...	3
12	Quatre Bornes (Board) ...	1,090	0·92	23·4	...	6
*	Le Réduit (D. of A.) ...	1,000	1·11	28·3	1·75	5
	Alma...	1,460	3·05	77·5	4·68	21
	Bagatelle	1,250	1·66	42·2	2·05	18
	Highlands	1,300	2·25	57·2	3·21	8
	Trianon	950	1·00	25·4	1·86	6
	Val Ory	1,100	...	...	2·05	...
	Bassin	...	0·54	13·7	2·00	4
	Hermitage	1,450	3·60	91·4	3·66	7
	Ebene	...	0·99	25·1	...	7
	Bega...	...	0·94	23·9	...	7
	Mon Rêve	...	1·33	33·8	...	7
	Mont Pevril	...	1·44	36·6	...	7
	Minissy	1,150	1·40	35·6	...	7
	Plaisance	...	0·47	11·9	...	4
	La Ferme	350	...	...	1·20	...

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 1935.

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	11½	70	5·4*	80	5·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	14¾	...	...	105	11·4	...	...	...	...	...	...	285	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	13	113	16·2*	110	13·8*	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	13¼	105	14·3*	90	6·3*	...	...	...	...	...	...	...	...
16	11¼	137	8·6*	120	8·0*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	10	75	12·9	60	7·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	13¼	...	...	120	5·4	120*	...	...	...	—	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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

Obervatory Pamplemousses.

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

NOVEMBER, 1935

M. HERCHENRODER, B. Sc.

ACTING 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 NOVEMBER 1935.

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	Daily Range† Vertical Force
					Unit 1 γ	
Nov.	° ′			′		
1	13 04·0	.22528	.29699	10·5	40	26
2	03·4	532	699	8·7	55	16
3	03·1	522	698	9·5	16	21
4	03·7	526	699	6·4	16	16
5	03·5	532	699	7·5	42	15
6	03·3	528	702	6·0	35	12
7	03·4	533	699	8·0	29	17
8	04·0	535	700	7·0	41	16
9	02·9	542	696	12·5	34	29
10	03·4	539	694	13·7	27	36
11	02·3	547	695	14·5	40	32
12	04·3	516	703	12·7	81	21
13	03·7	520	703	11·8	56	26
14	03·7	516	701	10·7	53	26
15	03·2	520	704	6·7	40	13
16	04·3	521	706	6·3	32	13
17	03·8	524	703	12·0	24	26
18	04·0	530	704	7·0	29	16
19	03·3	523	703	11·5	46	20
20	03·8	528	707	8·0	49	12
21	03·8	525	703	7·5	26	24
22	03·7	529	708	7·5	33	12
23	03·2	532	704	6·3	27	19
24	03·1	545	705	5·0	35	8
25	03·4	547	703	6·3	26	18
26	03·1	540	704	6·5	19	18
27	03·8	547	705	7·7	69	19
28	04·1	529	700	8·7	31	28
29	02·8	555	704	10·0	43	19
30	04·6	540	707	9·0	48	14
...	...	...	...	...	...	...
Mean	13°03·56	·22532	·29702	8·85	37·7	19·6

Description of the Principal Magnetic Disturbances.

Declination.—3d. Small fluctuations on the disturbed trace. 5d. at end and first half of 6d.: slightly disturbed. Small oscillations not greater than 3′ on the trace. 12d. to 15d. Very small and feeble oscillations on the trace. 27d. 23h.30m. Positive wave (3′.5) 30d. Slightly disturbed.

Horizontal Force.—1d. Slightly disturbed. Slightly disturbed at end of 2d. and beginning of 3d. 5d. Disturbed at end. Between 19h. and 24h. succession of positive waves (40γ). 6d. Slightly disturbed. 11d. 12h. Faint indications of the beginning of a disturbed period of long duration. Sharp positive waves of 15γ and 20γ at 12h.30m. and 22h.30m. respectively. 12d. Disturbed. Large irregular fluctuations during second half. 13d. and 14d. Disturbed. 15d. The disturbed period gradually settles down to a quiet trace. 19d. and 20d. Slightly disturbed. 27d. Disturbed at end. 29d. and 30d. Slightly disturbed.

Vertical Force.—1d. Slightly disturbed. 2d. at end; Slightly disturbed. 5d. Disturbed at end. Irregular oscillations not greater than 8γ on the trace. 12d., 13d., 14d. Very slightly disturbed. 27d. Slightly disturbed at end. 29d. and 30d. Slightly disturbed. Frequent small pulsations on the trace.

T=·37280: Mean Dip=52° 48′·93: (X=·21949: Y=−·05091: Z=·29702).
† 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 1935.

Declination (West)		Horizontal Force		Dip (South)		Resulting Vertical Force
Day and Hour	Observed Value	Day and Hour	Observed Value	Day and Hour	Observed Value	
h m	° ′	d h m		d h m	° ′	
Nov. 6.11.02	13 05.60	Nov. 5 9·54	·22539	Nov. 8 13.04	52.46.25	·29687
8·13·20	12 59·06	15 9·30	·22521	12·14·35	52·46·25	·29691
12·14·47	12 57·39	18·11·47	·22533	22·13·52	52·49·05	·29700
22·14·10	12 59·70	25 9·16	·22536	29·14·47	52·47·07	·29692
29·15·02	12 56 80	29 9·22	·22559			

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

NOVEMBER 1935.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	12° +																
Midnight	63·3	63·3	64·7	63·5	63·5	64·0	64·0	64·5	64·0	63·5	63·3	64·0	64·0	64·3	64·5	64·0	Midnight
1h	63·5	63·5	64·3	63·5	63·5	63·0	64·0	64·5	63·7	63·8	63·5	64·5	64·0	64·3	64·3	64·3	1h
2	64·0	63·5	63·5	63·5	63·5	64·0	64·5	64·5	64·5	63·5	63·5	64·5	64·5	63·0	63·5	64·3	2
3	64·0	64·0	64·0	63·0	63·5	60·7	65·0	64·7	64·5	64·0	63·5	65·5	64·3	64·3	63·5	64·0	3
4	64·5	64·3	64·3	63·3	64·0	63·5	64·7	65·0	64·7	63·7	64·0	65·7	64·5	65·0	63·7	64·0	4
5	64·7	65·3	63·0	64·5	64·2	64·7	64·5	65·3	65·0	64·5	64·3	66·5	65·5	66·0	64·0	64·5	5
6	65·5	65·7	65·0	64·7	64·0	65·5	65·3	65·7	66·7	66·0	65·5	66·5	65·0	66·7	64·5	65·0	6
7	66·5	66·5	66·5	66·5	66·0	65·0	67·0	66·5	69·0	69·0	68·0	69·0	67·0	67·7	65·3	66·5	7
8	68·5	66·7	66·5	66·5	66·5	65·7	66·5	67·0	68·0	70·0	68·5	70·0	68·0	67·7	65·7	67·0	8
9	69·0	66·5	65·5	66·7	66·0	65·0	65·5	66·5	65·0	69·5	67·0	69·0	68·3	67·5	65·0	67·0	9
10	68·3	64·5	63·0	66·5	65·0	65·3	64·0	66·0	63·0	66·0	63·0	68·0	67·0	66·7	64·0	67·0	10
11	67·5	62·7	61·7	65·5	62·7	64·0	62·0	63·0	60·0	62·0	60·0	64·0	65·0	64·5	63·0	66·5	11
Noon	63·0	60·7	60·7	64·0	61·0	62·5	60·5	61·0	57·5	59·0	56·7	60·0	61·5	62·3	61·0	65·0	Noon
13h	60·0	59·5	58·0	62·0	59·0	61·5	59·0	60·0	56·5	56·3	54·7	59·3	58·0	60·0	59·0	63·0	13h
14	58·5	58·0	57·0	60·5	59·3	59·7	59·3	60·0	56·5	56·5	54·0	57·3	56·5	57·0	59·0	61·5	14
15	59·0	58·3	58·5	60·3	60·0	59·7	60·5	62·0	58·5	59·5	55·0	57·5	56·7	58·2	59·3	60·7	15
16	60·0	60·0	60·5	60·5	61·0	60·7	62·0	63·0	61·0	60·0	58·0	58·5	59·0	59·0	60·7	61·0	16
17	62·7	62·7	63·0	62·7	63·5	63·0	63·0	64·5	63·0	63·5	62·5	62·5	62·0	61·0	63·0	62·5	17
18	63·5	63·3	63·7	63·5	63·3	63·7	63·0	64·0	63·5	63·7	63·5	63·7	63·5	62·5	64·3	64·0	18
19	64·3	63·5	64·2	63·5	63·3	63·5	62·7	64·0	63·0	63·5	63·0	65·0	65·0	63·3	63·7	64·0	19
20	64·0	63·7	64·3	63·5	66·0	63·5	62·5	64·0	63·0	63·3	62·7	65·5	65·0	64·0	63·5	64·0	20
21	63·8	63·7	64·0	63·7	64·7	63·7	63·3	64·0	63·0	63·5	63·3	65·7	65·5	64·7	63·5	64·5	21
22	63·7	65·0	64·0	63·7	64·5	64·0	63·5	63·5	63·0	63·5	63·5	65·7	64·3	64·5	64·0	64·5	22
23	63·7	64·7	64·0	63·8	64·7	64·0	64·0	63·3	63·3	63·3	64·0	64·3	64·0	65·0	64·0	65·0	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day / Hour
	12° +																
Midnight	64·5	63·8	64·0	64·3	64·5	64·3	64·3	64·3	64·7	63·5	63·7	66·0	64·3	63·7	...	64·1	Midnight
1h	64·3	63·7	64·3	64·3	64·5	64·3	64·3	64·3	64·3	63·5	64·0	65·0	64·5	64·0	...	64·1	1h
2	64·0	63·5	64·5	64·2	64·2	64·0	64·2	64·5	64·0	64·0	64·5	65·0	64·5	64·7	...	64·1	2
3	64·0	63·7	65·0	64·0	64·0	64·0	64·0	64·7	64·0	64·0	64·3	65·3	64·5	65·5	...	64·1	3
4	64·0	64·5	65·3	64·5	64·2	64·3	63·0	64·7	64·0	64·3	64·5	65·0	64·3	66·3	...	64·4	4
5	64·7	65·0	65·5	64·7	64·3	64·5	64·0	65·0	64·3	64·5	64·7	65·5	65·0	67·0	...	64·8	5
6	65·5	66·0	67·0	65·0	64·7	64·7	64·0	65·0	64·7	65·0	65·3	66·0	66·0	66·5	...	65·4	6
7	68·5	67·0	67·5	65·5	66·0	65·0	64·3	64·5	66·0	66·0	67·0	67·5	66·0	67·5	...	66·7	7
8	70·0	66·7	67·5	66·5	67·0	66·0	65·0	63·0	66·0	66·5	67·0	68·0	66·5	67·7	...	67·1	8
9	69·0	66·5	68·0	66·7	66·7	66·5	65·3	62·3	65·5	66·0	67·0	67·5	66·3	68·0	...	66·7	9
10	68·0	66·0	66·0	66·5	66·3	66·5	64·7	62·3	64·0	65·0	65·0	66·0	66·0	66·0	...	65·5	10
11	65·0	65·5	63·0	65·5	65·5	66·0	63·0	62·0	63·5	63·5	63·0	64·0	64·0	66·0	...	63·8	11
Noon	62·0	64·0	59·5	63·0	64·0	63·5	62·5	61·0	61·0	62·3	61·0	62·7	60·3	63·5	...	61·6	Noon
13h	60·0	62·0	58·0	61·5	62·0	61·5	61·0	60·0	59·7	61·0	59·5	61·0	58·0	62·5	...	59·8	13h
14	58·0	60·0	56·5	59·0	60·0	59·5	59·0	60·0	60·0	60·0	59·3	59·5	56·5	59·0	...	58·6	14
15	58·5	60·7	57·0	58·7	59·5	59·0	59·5	60·5	61·3	60·3	60·0	59·3	56·5	60·0	...	59·[illegible]	15
16	59·0	61·5	59·0	60·0	60·0	60·0	60·7	61·5	62·0	61·5	61·5	60·0	58·0	62·0	...	60·4	16
17	62·0	63·5	61·5	62·7	62·0	62·0	62·5	62·5	63·0	63·0	63·0	62·0	60·3	63·5	...	62·6	17
18	63·0	64·0	62·5	63·5	63·5	63·3	63·3	63·3	63·3	63·5	63·3	63·0	61·7	64·5	...	63·4	18
19	63·5	63·5	63·0	63·5	63·3	64·0	63·0	63·0	63·3	63·0	63·0	63·5	62·0	64·0	...	63·5	19
20	63·5	64·0	63·0	63·7	63·3	64·0	63·3	63·0	63·0	63·0	63·5	64·0	62·5	64·0	...	63·7	20
21	63·5	64·0	63·5	64·5	63·5	64·0	63·5	63·3	63·0	63·0	65·0	64·0	63·0	64·7	...	63·9	21
22	64·0	64·0	64·0	64·3	64·0	64·3	63·8	64·0	63·5	63·5	64·5	64·5	63·0	64·5	...	64·0	22
23	64·0	63·8	64·0	64·7	64·0	64·5	64·0	64·3	63·7	63·5	66·0	64·0	63·5	65·0	...	64·1	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 1935.

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	517	525	520	525	525	520	522	530	533	538	539	523	505	513	512	513	Midnight
1h	525	523	522	520	530	523	522	525	537	537	537	523	515	515	500	514	1h
2	527	528	527	523	530	522	528	528	535	533	540	527	514	538	512	517	2
3	528	529	525	529	531	540	529	529	535	536	543	530	520	530	522	518	3
4	521	525	523	530	529	530	529	528	533	532	546	537	540	525	518	520	4
5	523	521	529	526	532	519	528	529	534	534	547	532	527	520	520	519	5
6	525	522	531	525	533	523	527	530	538	537	550	538	523	523	523	518	6
7	523	525	523	523	532	530	528	530	541	538	546	536	526	527	523	519	7
8	520	530	520	523	538	533	532	535	543	534	550	525	523	535	521	525	8
9	523	541	515	525	540	538	542	538	550	530	553	515	510	537	520	528	9
10	530	550	515	529	541	548	547	552	559	546	560	513	512	526	520	532	10
11	535	560	522	531	548	541	549	555	563	551	562	525	520	513	523	535	11
Noon	541	560	529	536	557	550	550	557	567	557	570	518	532	525	525	540	Noon
13h	553	561	531	532	550	548	551	558	560	556	570	535	553	537	538	540	13h
14	545	555	520	530	532	540	545	552	550	551	568	541	548	538	540	536	14
15	543	545	527	528	533	527	532	545	537	544	557	533	527	527	530	532	15
16	544	534	521	527	532	520	525	540	538	540	540	500	528	521	521	527	16
17	525	523	518	523	523	516	528	535	540	535	537	510	515	500	517	522	17
18	520	522	517	522	525	515	529	532	539	531	540	520	510	489	518	513	18
19	515	527	515	527	523	517	531	530	537	533	541	490	505	488	518	508	19
20	513	521	516	526	525	518	531	523	535	532	542	468	497	485	518	508	20
21	521	515	523	525	515	519	530	517	536	535	530	460	503	490	517	509	21
22	521	506	521	525	520	521	529	524	537	535	535	488	502	490	512	508	22
23	521	522	521	525	517	522	530	527	537	536	530	505	513	500	511	509	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	515	518	538	526	530	525	530	536	540	541	548	520	532	548	...	526·9	Midnight
1h	512	520	527	527	530	526	530	536	541	541	545	528	535	560	...	527·5	1h
2	512	522	540	535	538	529	530	538	542	542	543	532	540	552	...	530·8	2
3	518	525	540	527	531	528	530	540	541	543	548	532	543	552	...	532·4	3
4	520	529	542	529	530	528	540	543	545	540	547	532	546	551	...	532·9	4
5	531	525	535	530	527	527	524	545	543	540	548	532	550	557	...	531·8	5
6	532	525	529	530	523	523	530	542	541	540	546	531	555	557	...	532·0	6
7	534	526	522	525	520	523	525	535	541	537	540	526	558	565	...	531·6	7
8	520	526	513	525	518	529	522	530	544	530	530	525	575	570	...	531·5	8
9	518	527	517	527	518	531	520	535	548	528	530	523	570	565	...	532·1	9
10	523	530	523	535	522	540	525	541	555	532	531	520	567	550	...	535·8	10
11	528	535	530	538	527	543	537	540	559	538	550	513	562	563	...	539·9	11
Noon	531	538	528	547	536	542	541	550	560	537	551	512	561	558	...	543·5	Noon
13h	536	547	533	543	533	542	547	561	563	542	563	523	567	555	...	547·6	13h
14	535	546	530	547	525	535	545	565	563	545	575	538	560	555	...	545·2	14
15	529	538	507	540	523	525	537	565	560	543	579	542	558	530	...	538·1	15
16	526	535	498	525	520	523	533	560	551	540	575	543	555	535	...	532·6	16
17	523	530	496	516	518	523	530	557	548	541	564	537	563	527	...	527·9	17
18	521	527	500	498	519	525	529	550	542	542	560	535	562	523	...	525·8	18
19	522	525	515	503	512	522	530	547	541	542	560	531	557	522	...	524·5	19
20	522	522	516	515	518	520	533	545	540	542	545	528	551	525	...	522·7	20
21	524	530	520	535	525	523	532	542	537	541	530	525	550	530	...	523·0	21
22	520	540	522	525	527	531	531	540	538	542	525	526	553	540	...	524·5	22
23	517	533	525	523	527	530	532	535	539	547	510	526	550	530	...	525·0	23

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

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

NOVEMBER 1935

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	705	700	702	700	699	702	702	701	702	700	698	700	708	706	708	707	Midnight
1h	705	701	703	700	699	701	702	701	700	700	698	700	707	706	707	707	1h
2	705	702	701	700	700	702	702	702	702	700	698	700	707	705	706	706	2
3	706	702	702	700	700	700	702	702	703	700	698	700	707	704	705	705	3
4	706	702	702	702	701	704	703	703	703	702	699	701	707	705	705	705	4
5	705	703	703	702	701	705	703	704	704	703	700	702	707	705	705	705	5
6	706	704	704	703	702	706	704	704	706	706	703	703	707	706	705	707	6
7	708	704	703	705	700	705	706	704	709	700	707	709	711	709	705	709	7
8	710	705	700	707	703	705	703	704	700	708	705	711	713	707	704	711	8
9	708	702	695	707	700	704	697	703	690	698	698	711	711	706	704	713	9
10	702	697	693	704	696	703	692	699	689	683	690	710	710	704	704	713	10
11	699	693	690	702	693	701	689	693	687	675	686	704	703	700	703	708	11
Noon	690	689	685	697	690	697	689	688	682	672	682	695	694	690	698	703	Noon
13h	685	689	683	693	690	695	690	688	680	672	675	692	688	683	696	702	13h
14	684	690	687	691	694	694	693	690	682	675	680	690	687	683	695	703	14
15	685	690	694	692	696	698	697	697	687	683	687	693	689	684	699	700	15
16	687	695	700	692	697	703	700	700	693	693	694	697	695	690	705	701	16
17	690	698	704	693	700	706	702	701	697	698	699	704	702	698	708	705	17
18	694	699	703	695	700	705	701	701	699	699	698	704	704	703	707	707	18
19	696	698	702	696	699	703	700	701	699	698	697	703	704	704	705	706	19
20	698	698	701	697	705	702	700	703	699	699	697	706	704	705	705	705	20
21	699	700	700	698	700	702	700	703	700	699	698	710	706	705	704	706	21
22	699	703	700	698	702	702	700	703	699	699	699	709	706	700	705	707	22
23	700	702	700	699	699	702	700	702	700	699	698	707	706	70	705	707	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	707	707	703	707	707	707	706	706	707	704	706	712	710	709	...	704·6	Midnight
1h	706	707	705	707	707	707	706	706	707	706	706	710	710	710	...	704·6	1h
2	706	707	705	707	707	707	706	706	706	706	706	710	709	710	...	704·5	2
3	706	707	707	707	708	707	706	706	706	706	705	709	708	710	...	704·5	3
4	706	707	706	708	707	708	706	706	706	707	706	709	707	710	..	705·0	4
5	706	707	705	708	708	708	707	706	707	709	706	710	707	710	...	705·4	5
6	709	708	709	708	710	710	707	707	709	710	708	712	708	709	...	706·7	6
7	713	711	709	711	713	712	708	707	712	713	712	717	707	710	...	708·3	7
8	715	711	700	712	712	713	710	706	709	713	712	718	709	709	...	708·2	8
9	711	710	708	711	708	712	711	707	703	710	712	715	708	710	...	706·1	9
10	705	710	702	710	703	710	712	707	699	707	711	710	708	710	...	703·1	10
11	697	706	694	709	700	708	708	705	695	703	707	705	705	706	...	699·1	11
Noon	694	700	689	704	695	702	699	700	694	699	699	700	700	700	...	693·9	Noon
13h	689	696	689	701	689	701	693	699	696	695	695	692	694	697	...	690·9	13h
14	689	695	691	701	689	701	693	699	697	695	693	690	691	696	...	691.3	14
15	692	697	697	703	693	702	696	703	702	695	694	692	693	701	...	694·4	15
16	697	701	703	703	698	705	699	706	703	700	697	694	698	705	...	698·4	16
17	704	701	707	709	703	707	702	707	702	702	700	698	700	708	...	701·9	17
18	704	701	707	700	704	707	703	707	702	702	702	700	700	708	...	702·2	18
19	703	701	705	709	704	707	703	707	702	703	702	704	702	707	...	702·3	19
20	703	701	704	708	704	706	705	706	703	703	704	705	703	708	...	702·9	20
21	703	703	704	706	704	707	705	705	703	703	708	706	704	710	...	703·4	21
22	704	703	705	707	705	707	705	705	707	705	708	708	706	710	...	704 1	22
23	704	703	705	707	705	706	705	706	707	706	711	708	707	710	...	704·1	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of NOVEMBER 1935.

Month and day 1935.	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	969·1	24·1	4·6	16·2	61	18·2	105	4·5	7	19·0	23·0	26·4	20·0	26·5	18·7	7·8	5·9	151	10·3	80
2	969·8	24·1	2·7	19·5	75	22·4	65	3·1	10	19·6	21·6	23·0	19·8	25·6	19·2	6·4	5·7	54	4·8	38
3	969·6	20·5	0·9	18·9	90	21·6	70	2·2	10	19·3	19·6	21·3	18·0	23·4	17·9	5·5	42·2	371	0·1	1
4	970·0	22·1	2·2	18·2	79	20·7	90	2·7	10	16·1	18·3	20·3	18·8	24·5	16·1	8·4	6·2	43	0·4	3
5	970·9	22·5	3·0	17·2	7	19·4	90	5·8	7	18·1	21·7	22·3	18·6	24·3	18·0	6·3	3·0	26	4·5	35
6	970·7	22·9	2·6	18·3	75	20·8	105	3·1	10	18·3	22·8	21·6	17·8	24·0	17·8	6·8	29·1	115	1·3	10
7	971·0	20·3	1·8	17·1	82	19·3	90	2·7	10	17·6	23·0	20·5	19·5	25·5	17·6	7·9	6·9	58	3·3	26
8	969·4	23·9	3·8	17·3	67	19·6	105	2·2	7	18·7	22·0	22·5	20·3	25·6	18·3	7·3	3·5	49	3·9	30
9	970·6	23·0	3·1	17·6	72	19·9	70	4·9	10	19·6	23·0	25·5	20·1	25·5	18·6	6·9	0·3	4	9·4	73
10	971·1	23·8	4·1	16·8	65	18·9	90	5·4	7	18·9	22·2	24·0	19·9	26·0	18·6	7·4	1·3	15	10·4	81
11	969·1	20·9	0·8	19·5	91	22·4	65	7·2	10	18·6	22·0	22·1	20·0	23·0	17·6	5·4	7·8	49	4·2	33
12	967·6	23·6	3·0	18·4	73	21·0	60	6·3	10	19·9	23·0	23·6	21·0	25·2	19·6	5·6	1·1	24	8·0	62
13	966·8	22·7	0·8	21·3	92	25·1	340	1·8	10	21·0	22·7	25·0	20·9	26·6	20·7	5·9	28·9	161	3·0	23
14	968·8	23·9	1·4	21·5	86	25·4	Calm		10	19·2	22·9	23·6	20·5	26·0	20·4	5·6	47·6	175	4·0	31
15	967·2	25·5	3·2	20·0	72	23·2	Calm		10	19·0	26·5	25·5	20·8	26·7	19·4	7·3	4·2	19	7·3	56
16	966·4	25·9	4·6	18·1	62	20·6	Calm		9	17·4	25·9	22·5	19·6	27·4	17·2	10·2	0·4	6	5·0	38
17	966·0	25·0	4·9	16·7	60	18·8	Calm		9	16·3	24·6	21·7	19·5	27·4	16·3	11·1	45·2	76	5·9	45
18	967·3	24·4	3·9	17·7	66	20·1	45	3·1	10	19·5	22·8	21·8	19·6	24·8	19·0	8	13·2	88	2·2	17
19	968·0	24·9	4·8	16·6	60	18·7	65	4·5	5	19·4	24·1	23·0	19·7	26·2	19·4	6·8	1·6	35	6·9	53
20	968·7	23·7	3·4	17·8	69	20·2	90	2·7	8	18·6	23·8	23·8	19·2	26·7	18·0	8·7	0·2	3	7·4	56
21	969·4	24·5	3·0	19·3	73	22·2	105	4·9	10	18·6	22·8	24·3	21·0	26·0	18·5	7·5	0·3	6	9·0	69
22	969·2	20·3	0·4	19·6	96	22·6	90	4·0	10	19·4	20·0	21·9	19·5	22·2	19·4	2·8	4·5	38	0·0	0
23	968·9	22·2	1·9	18·9	81	21·6	90	5·4	10	18·3	22·9	22·2	19·0	24·3	18·0	6·3	3·4	24	9·4	72
24	969·1	23·5	3·2	17·9	71	20·3	90	5·4	9	18·4	22·2	24·8	20·0	25·5	18·3	7·2	2·8	50	11·1	85
25	967·5	21·7	1·2	19·6	88	22·7	105	7·2	9	19·4	21·0	24·0	21·0	25·6	19·2	6·4	22·4	210	4·8	37
26	968·2	20·5	0·5	19·6	95	22·7	55	4·5	10	19·2	20·9	23·5	21·2	24·9	19·2	5·7	18·5	213	4·3	33
27	968·0	23·1	1·6	20·3	85	23·6	70	6·7	8	20·5	22·2	24·4	21·0	25·4	20·2	5·2	1·9	27	9·6	73
28	967·7	24·8	3·5	18·8	69	21·5	45	4·5	7	20·0	23·3	24·6	20·2	26·6	19·7	6·9	0·1	3	8·8	67
29	966·7	26·4	6·0	16·3	54	18·4	Calm		8	18·7	24·0	24·4	20·9	26·9	17·8	9·1	6·3	95	5·1	39
30	967·7	25·5	4·1	18·5	65	21·1	70	1·8	9	19·0	23·1	22·7	20·8	26·7	19·0	7·7	11·1	118	5·3	40
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	968·7	23·3	2·8	18·4	74·9	21·1	° ...	3·5	9·0	18·8	22·6	23·2	19·9	25·5	18·6	6·9	325·6	2306	5·66	43·5
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	+	41·7mbs.	Amount of rain	—	179·1mms.
Temperature of the Air	—	0·8°C	Duration of sunshine	+	21·9hrs
Vapour Pressure	—	2·9mbs.	Mean of maximum temperatures	+	2·2°C
Relative Humidity	—	7·5%	,, minimum temperatures	+	2·2°C
Velocity of Wind	+	0·3mps.	Absolute maximum temperature	+	2·3°C
Amount of Cloud	—	1·7	,, minimum temperature	+	3·3°C

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1935.

Month and Day 1935.	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		
Nov.	mbs.	mbs.	°C	°C	°C	°C	°C	C	°C	°C			mbs.	°C	mm.	min		mm
1	1010·9	+ 0·5	28·6	20·2	8·4	23·9	+ 1·0	2·7	19·2	+ 2·3	75	+ 5	22·0	16·9	0·2	10	7·3	6·4
2	1011·2	+ 0·8	28·2	21·0	7·2	24·1	+ 1·1	2·5	19·8	+ 2·7	77	+ 8	22·9	19·4	1·1	23	5·8	6·9
3	1010·7	+ 0·3	26·3	19·4	6·9	22·8	— 0·2	1·9	19·5	+ 2·4	81	+ 12	22·4	19·2	8·9	164	6·0	8·8
4	1011·2	+ 0·9	26·5	19·5	7·0	22·3	— 0·5	1·6	19·5	+ 2·3	84	+ 15	22·4	16·5	8·5	52	3·5	8·1
5	1012·0	+ 1·7	26·8	20·2	6·6	22·7	— 0·4	2·2	18·8	+ 1·6	79	+ 10	21·5	17·7	2·1	25	4·7	6·0
6	1011·9	+ 1·7	26·8	20·0	6·8	22·6	— 0·6	2·2	18·7	+ 1·4	79	+ 10	21·4	19·0	15·6	70	3·7	5·7
7	1011·2	+ 1·0	25·9	20·0	5·9	22·4	— 0·9	1·7	19·4	+ 2·0	83	+ 14	22·3	17·5	5·0	100	6·2	6·8
8	1011·1	+ 1·0	28·1	20·2	7·9	23·9	+ 0·6	2·8	19·0	+ 1·6	74	+ 5	21·8	19·4	5·6	60	4·8	7·5
9	1012·0	+ 2·0	27·1	21·0	6·1	23·8	+ 0·4	2·7	19·1	+ 1·6	75	+ 6	21·9	18·9	0·3	13	6·6	5·7
10	1012·0	+ 2·0	28·0	20·6	7·4	23·6	+ 0·2	3·2	18·0	+ 0·5	71	+ 2	20·4	19·0	1·7	20	7·0	6·3
11	1009·5	— 0·4	25·8	20·0	5·8	22·6	— 0·9	1·6	19·8	+ 2·2	85	+ 16	22·9	17·7	3·4	47	5·2	8·8
12	1008·1	— 1·8	27·6	22·0	5·6	24·4	+ 0·9	2·4	20·3	+ 2·9	78	+ 9	23·6	21·0	1·3	15	4·7	8·9
13	1008·2	— 1·7	29·5	23·0	6·5	25·4	+ 1·8	1·8	22·3	+ 4·8	83	+ 14	26·7	22·8	13·7	68	4·7	9·3
14	1009·1	— 0·7	29·7	22·6	7·1	25·1	+ 1·5	1·6	22·4	+ 4·9	85	+ 16	26·8	22·4	0·8	30	6·3	7·7
15	1008·1	— 1·7	27·2	21·5	5·7	23·9	+ 0·2	1·0	22·2	+ 4·6	90	+ 21	26·5	20·8	45·4	128	3·6	7·4
16	1007·3	— 2·5	29·2	19·9	9·3	24·1	+ 0·4	1·9	20·8	+ 3·2	82	+ 13	24·3	17·7	0·4	15	7·8	6·9
17	1007·3	— 2·4	28·2	19·7	8·5	23·7	— 0·1	2·2	19·9	+ 2·2	79	+ 10	23·0	19·8	0·0	...	4·1	6·0
18	1008·7	— 1·0	27·1	20·4	6·7	23·2	— 0·6	1·7	20·7	+ 3·0	86	+ 17	24·2	18·8	8·8	84	4·1	7·8
19	1009·6	0·0	28·7	20·9	7·8	24·4	+ 0·5	2·7	19·8	+ 1·8	76	+ 7	22·9	18·4	0·0	...	5·7	6·1
20	1010·2	+ 0·7	27·6	21·0	6·6	23·8	— 0·2	2·8	18·9	+ 0·9	74	+ 5	21·0	19·0	0·0	...	5·6	6·9
21	1010·2	+ 0·8	28·0	21·4	6·6	24·5	+ 0·5	2·9	19·5	+ 1·3	74	+ 4	22·4	18·8	0·0	...	5·7	7·1
22	1010·0	+ 0·7	24·1	21·3	2·8	22·7	— 1·3	1·5	20·1	+ 1·9	85	+ 15	23·3	20·6	13·8	205	4·1	8·5
23	1009·6	+ 0·4	27·1	20·6	6·5	23·4	— 0·7	2·7	18·7	+ 0·4	75	+ 5	21·4	18·2	0·3	10	4·0	4·0
24	1009·1	0·0	28·0	20·0	8·0	23·9	— 0·3	3·0	18·7	+ 0·3	73	+ 3	21·4	18·0	0·3	10	7·2	4·2
25	1008·1	— 0·9	28·0	21·2	6·8	24·0	— 0·2	2·0	20·6	+ 2·2	81	+ 11	24·0	19·8	6·1	69	6·5	7·8
26	1008·8	0·0	27·4	21·2	6·2	23·9	— 0·4	1·6	21·1	+ 2·6	84	+ 14	24·8	20·4	3·2	46	5·4	8·2
27	1009·5	+ 0·8	27·7	23·2	4·5	24·9	+ 0·5	2·5	20·6	+ 2·0	77	+ 7	24·0	21·8	0·0	...	6·3	5·8
28	1008·8	+ 0·2	28·8	22·0	6·8	24·7	+ 0·2	2·7	20·1	+ 1·4	76	+ 6	23·3	20·5	0·0	...	5·8	4·6
29	1007·6	— 0·9	29·5	20·1	9·4	24·7	+ 0·2	2·8	19·9	+ 1·2	75	+ 5	23·0	16·5	0·0	...	7·0	5·7
30	1008·7	+ 0·3	28·8	20·4	8·4	24·5	— 0·1	2·5	20·2	+ 1·3	77	+ 7	23·4	18·8	0·0	...	6·1	5·8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1009·7	+ 0·1	27·7	20·8	6·9	23·8	+ 0·1	2·3	19·9	+ 2·1	79·1	+ 9·7	23·1	19·1	Sum 146·5	Sum 1264	5·5	6·8
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 1935.

During the first ten days of the month, pressure kept high, with low wind velocity, a high percentage of humidity and light to moderate daily precipitation. From the 11th a shallow depression which had been travelling along the West coast of Madagascar for some days started moving East by South, passing to the South of Mauritius on the 13th.

Heavy showers and Electrical disturbances were experienced on the 13th, 14th and 15th, Pressure which had been falling from the 11th kept low till the 19th when the influence of the South high pressure system became apparent once more.

Very strong trades were experienced at this time on the East coast and northern Madagascar. Cold front rains and squally weather were noted at Mauritius from the 25th to the 28th. On the 28th a depression of some importance coming from the northern boundary of the Equator passed to the East of Seychelles Archipelago and was located on the 30th to the East of Agalega Island. Heavy rain squalls were reported at Seychelles and Agalega Island.

Rainfall was considerable during this month, the total exceeding three times the average amount.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1935.

Month and Day 1935.	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.	
NOVEMBER	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h.
1	10·2	80	3·5	+ 0·1	24·2	24·0	24·7	25·9	b : be : c : oJ₀ : o .
2	8·7	68	2·8	− 0·6	24·3	24·0	24·9	26·0	cr : bc : cr₀ : bc : c : bc .
3	0·0	0	2·5	− 0·9	24·1	23·9	25·0	26·2	bc : crr : c : cr : o : or₀r₀ .
4	2·0	16	2·1	− 1·3	24·1	24·0	25·2	25·5	cr₀r₀ : cr₀ : o : cr₀ : ctl : bc .
5	7·3	57	3·4	0·0	24·3	24·0	25·1	25·5	bc : cr₀ : bc : b .
6	4·8	37	2·3	− 1·1	24·2	24·1	25·1	25·3	bc : c : bcRR : cgr : bc : b
7	2·3	18	2·2	− 1·2	24·4	24·2	25·1	25·2	bc : or₀r₀ : o : c .
8	6·9	53	2·3	− 1·1	24·1	24·0	25·0	25·2	or₀r₀ : c : bc : c .
9	10·5	81	3·0	− 0·4	24·2	24·0	25·0	25·8	bcd₀ : bc : bcgg₀ : bc : b .
10	10·2	79	3·4	− 0·1	24·2	24·1	25·1	26·0	bc : c : o : ogr : bcr .
11	2·9	23	3·1	− 0·4	24·1	24·2	25·3	26·0	cgr₀ : or₀r₀ : o : cr₀ : c : bc .
12	6·3	48	3·6	+ 0·1	24·3	24·3	25·3	25·7	c : or₀ : c .
13	4·1	32	3·0	− 0·5	24·2	24·3	25·3	25·9	or₀ : o : cg : c : orrtsm.
14	6·7	52	2·0	− 1·5	24·2	24·2	25·4	26·1	or₀ : c : bc : bct : ct : cg . bctl .
15	3·6	28	1·5	− 2·0	24·1	24·2	25·8	26·8	bc : cRR : orr : crr .
16	5·8	45	1·5	− 1·9	24·2	24·2	25·8	26·5	bcd₀ : bc : c : o .
17	5·8	45	1·8	− 1·7	24·2	24·1	25·9	26·5	bc : b : bc : c : b .
18	4·1	31	2·0	− 0·8	24·1	24·0	25·8	26·4	cr₀ : c : cr₀ : ogr₀ : cgr₀ : bc : bcr₀ .
19	8·5	66	2·5	− 0·9	24·1	24·3	25·8	26·2	b : bc : c : o .
20	5·3	40	2·8	− 0·6	24·1	24·6	25·8	26·3	bc : c : bc .
21	6·3	48	4·2	+ 0·8	24·1	24·4	25·9	26·4	b : bc : c : o .
22	0·0	0	3·4	0·0	24·2	24·4	25·9	26·0	or₀r₀ : o : bc .
23	9·5	73	4·1	+ 0·7	24·1	24·7	25·8	25·8	b : bc : bcd₀ : bc : bcd₀ : b .
24	12·1	92	3·8	+ 0·4	24·1	24·6	25·7	25·8	b : bc : bcr₀ .
25	8·7	66	4·0	+ 0·6	24·1	24·7	25·7	26·0	cR : bcd₀ : bc r₀ : c : cd₀ : cr₀ .
26	4·8	37	3·8	+ 0·4	24·2	24·5	25·8	26·3	o : or₀ : o : cr₀ : cq₀r₀ : c : bc .
27	8·4	64	4·4	+ 1·0	24·2	24·9	25·8	26·4	b : bc : c : bc .
28	10·8	82	2·8	− 0·6	24·2	24·6	25·9	26·6	b : bc : b .
29	8·1	61	2·0	− 1·3	24·2	24·7	25·9	26·7	b : bc : c : bc .
30	6·9	52	2·5	− 0·8	24·2	24·6	26·1	26·8	bc : c : bc : b .
...	...	...	...	...	...	...	...	...	.....
Mean	6·39	49·1	2·90	−0·52	24·18	24·29	25·49	26·06	.....
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 1935.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1014·0mbs	at 21 & 22hrs.	on 9th	1005·8mbs	at 15·00hr.	on 17th
Temperature of the Air	29·7°C	at 11·00hr.	on 14th	19·4°C	at 22·05hrs.	on 3rd
Daily range of temperature of the Air ...	9·4°C	...	on 29th	2·8°C	.	on 22nd
Temperature of the Dew Point	24·0°C	at 10.00hrs.	on 14th	16·8°C	at 12·00hrs.	on 8th
Daily range of temperature of the Dew Point	4·6°C	...	on 16th	1·1°C	...	on 13th
Minimum on Grass	...	...	...	16·5°C	...	on 4th & 29th
Relative humidity	98·2%	at 13·00hrs.	on 8th	50·3%	at 18·00hrs	on 15th
Vapour Pressure	29·6mbs.	at 10.00hrs.	on 14th	18·9mbs.	at 12·00hrs.	on 8th
Wind Velocity	6·9m.p.s.	at 14·00hrs.	on 23rd	0·6mps	at 19,00hrs. / 21.00hrs.	on 17th / on 29th
Rainfall in 24 hours	45·8mms	ending 5hrs.	on 16th	...	...	
Evaporation in 24 hours...	7·8mms	...	on 16th	3·5mm	...	on 4th
Duration of sunshine	12·1hrs	...	on 24th.	0·0hr.	...	on 3rd & 22nd

Mean Day Temperature of Air, 25·52°C. Average 26·34°C. Mean Night Temperature of Air, 22·08°C. Average 21·30°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.		
...	...	13	17	...	6	6	6	3	1	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.)

NOVEMBER 1935.

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	110	121	115	111	123	126	119	113	120	132	117	095	081	102	092	078	Midnight
1h	107	117	109	109	117	120	113	110	115	126	110	092	077	097	090	075	1h
2	106	113	103	106	113	117	108	110	113	122	108	088	076	092	085	071	2
3	100	112	102	100	108	116	106	109	112	119	102	087	074	091	082	070	3
4	101	108	103	100	113	116	107	110	114	119	100	089	074	090	080	071	4
5	100	109	105	105	115	118	110	110	115	121	100	088	075	091	080	072	5
6	103	113	107	107	122	122	115	115	117	124	103	090	080	095	082	078	6
7	107	116	108	112	130	124	120	116	120	120	108	091	080	097	086	083	7
8	112	122	112	119	128	126	123	117	122	130	107	093	083	100	087	085	8
9	113	120	118	122	131	127	126	118	123	130	112	095	085	101	087	082	9
10	114	121	116	120	128	123	123	113	123	130	105	090	086	098	087	078	10
11	112	116	112	115	125	121	119	110	120	125	100	088	084	093	086	075	11
Noon	109	111	107	112	120	122	116	105	118	121	093	082	081	090	084	070	Noon
13h	102	104	103	108	114	117	107	100	112	115	089	070	076	087	080	066	13h
14	098	098	097	103	112	111	100	097	110	108	081	066	073	082	073	064	14
15	097	097	093	103	110	108	100	096	107	105	075	060	072	077	070	060	15
16	100	096	092	101	112	107	097	097	108	106	072	060	072	075	068	060	16
17	102	098	096	103	113	108	098	100	112	107	073	061	075	076	070	061	17
18	109	105	100	110	118	114	102	108	118	115	078	070	082	082	076	066	18
19	114	110	105	116	123	119	110	115	126	120	084	073	086	088	078	072	19
20	120	116	112	124	127	122	113	121	135	124	092	077	091	095	083	076	20
21	123	118	116	123	128	123	117	123	140	124	094	081	097	095	082	075	21
22	125	121	120	125	130	124	117	123	140	127	099	083	103	098	083	078	22
23	123	118	113	126	130	122	115	120	139	123	100	083	104	098	081	077	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	075	083	097	106	111	103	100	099	092	090	098	100	090	081	...	1010·3	Midnight
1h	073	079	093	097	102	097	093	096	085	083	095	095	083	076	...	1009·8	1h
2	068	079	089	096	097	095	090	093	082	082	090	092	078	073	...	1009·5	2
3	065	080	086	095	095	096	090	093	080	083	091	090	076	070	...	1009·6	3
4	067	081	088	096	097	094	091	094	077	077	092	087	075	072	...	1009·3	4
5	068	081	091	095	098	095	092	097	077	082	092	087	075	075	...	1009·4	5
6	073	084	097	098	103	101	098	100	080	087	097	096	080	084	...	1009·8	6
7	077	089	101	102	110	107	100	103	083	092	102	095	082	089	...	1010·2	7
8	079	092	102	105	110	113	103	105	090	095	105	097	083	091	...	1010·5	8
9	077	091	101	105	112	116	106	107	091	097	106	096	083	091	...	1010·6	9
10	076	090	100	103	112	112	105	106	088	097	103	094	081	090	...	1010·4	10
11	073	087	097	102	106	107	103	100	085	095	100	090	077	090	...	1010·0	11
Noon	070	085	093	100	103	103	100	095	080	088	097	084	075	090	...	1009·7	Noon
13h	065	080	087	097	098	092	095	085	075	084	094	078	067	086	...	1009·1	13h
14	060	087	083	096	093	086	090	077	071	078	090	075	062	082	...	1008·7	14
15	058	075	080	095	090	085	085	070	066	077	085	073	060	081	...	1008·4	15
16	060	077	083	094	088	087	083	071	067	077	083	074	061	082	...	1008·4	16
17	066	080	087	097	094	093	084	072	068	080	084	076	063	086	...	1008·3	17
18	070	088	095	103	100	096	089	077	075	083	086	078	070	090	...	1009·2	18
19	076	090	102	107	103	100	095	084	077	090	090	084	075	095	...	1009·7	19
20	082	093	108	112	110	102	099	089	085	097	095	087	080	099	...	1010·2	20
21	083	098	113	116	105	105	105	092	094	099	098	094	083	101	...	1010·5	21
22	088	102	112	117	111	107	106	097	095	103	103	096	085	103	...	1010·7	22
23	087	100	110	115	108	104	102	095	093	102	102	092	085	100	...	1010·6	23

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

Hour. \ Day.	NOVEMBER 1935.																															
	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	2	10	4	10	5	3	1	9	5	2	5	9	7	10	9	2	9	8	6	7	4	10	2	2	8	10	4	3	2	4	...	5·7
1h	2	9	5	9	5	4	1	10	5	2	9	9	8	10	6	2	8	10	4	7	3	10	1	2	8	10	4	3	2	4	...	5·7
2	3	6	6	9	7	5	1	10	4	3	10	9	9	10	4	1	8	7	3	6	3	10	2	2	6	10	2	3	2	3	...	5·5
3	2	3	7	9	8	7	1	10	4	4	9	9	10	10	9	1	3	9	2	8	1	10	2	2	6	10	3	4	2	3	...	5·6
4	3	3	5	8	8	7	1	10	4	3	9	8	10	9	7	3	3	9	3	8	1	10	4	2	4	10	3	4	3	2	...	5·5
5	2	4	10	8	4	9	3	10	7	4	8	8	10	10	5	6	2	9	4	4	3	10	4	5	10	9	5	6	2	3	...	6·1
6	2	5	10	8	4	9	3	10	8	4	8	8	10	9	2	6	2	9	4	4	5	10	4	5	9	9	6	7	4	3	...	6·2
7	5	6	10	9	6	8	5	10	7	4	9	9	10	6	3	5	5	9	4	7	5	10	4	4	5	9	8	7	4	4	...	6·6
8	6	9	9	10	7	8	5	9	7	6	9	9	10	4	4	5	5	9	5	8	7	10	4	3	5	10	8	7	5	6	...	7·0
9	7	8	9	10	6	5	9	9	7	6	10	9	10	5	7	6	5	9	8	8	7	10	4	4	8	9	9	6	6	6	...	7·4
10	6	7	9	10	6	7	9	6	9	5	10	8	10	5	7	7	6	7	6	8	9	10	4	5	8	9	7	6	6	8	...	7·3
11	6	8	9	9	8	7	9	4	7	5	10	9	10	6	9	8	7	8	6	7	9	10	4	5	6	8	7	7	7	8	...	7·4
Noon	7	6	9	9	6	7	10	3	7	6	10	9	9	7	10	6	7	10	6	9	8	10	5	6	8	8	7	6	6	7	...	7·5
13h	7	7	9	9	8	7	10	4	7	7	9	9	9	8	10	9	7	10	6	8	8	10	7	5	8	8	8	5	6	9	...	7·8
14	7	7	9	9	8	8	10	4	7	8	10	9	7	9	10	9	8	9	6	7	9	9	7	5	8	9	7	6	7	10	...	7·9
15	7	7	9	9	9	8	10	4	7	10	9	8	9	9	10	9	9	8	6	9	9	9	7	5	7	8	7	6	9	10	...	8·1
16	8	9	9	9	9	8	10	4	6	10	9	8	8	9	10	9	9	9	7	9	9	10	7	5	8	9	7	5	9	10	...	8·3
17	8	8	9	8	7	7	10	6	5	10	10	9	9	8	10	9	10	10	8	8	9	10	7	4	8	8	7	4	9	9	...	8·1
18		9	10	8	6	7	10	8	4	10	9	8	9	10	10	9	9	9	8	8	9	10	5	4	9	8	6	4	9	9	...	8·1
19	10	9	10	8	4	2	9	6		10	9	10	9	9	8	10	8	5	8	6	9	8	3	4	9	7	7	3	9	9	...	7·5
20	10	9	10			1	9	9	7	10	8	10	9	6	8	10	5	4	8	5	10	4	2	4	9	7	7	2	9	4	...	6·9
21	10	7	10	5	4	1	8	10	4	10	7	10	9	4	8	10	4	2	8	6	10	3	2	4	9	5	4	2	8	3	...	6·2
22	10	7	10	4	3	1		7	3	6	7	10	10	4	8	10	2	4	10	6	10	4	2	6	9	5	4	2	5	3	...	6·0
23	10	5	10	4	3	1	8	7	3	5	7	9	10	8	7	10	3	4	10	5	10	2	2	6	10	4	3	2	4	3	...	5·8

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

Hour Ending. \ Day.	NOVEMBER 1935.																															
	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	3	0	0	0	15	0	10	0	0	2	0	0	0	0	5	0	18	0	0	10	5	0	5	5	5	0	0	0	10	5	...	1·6
7	59	35	0	0	32	0	60	20	42	46	5	35	10	13	60	8	60	0	57	57	55	0	60	60	40	0	15	5	60	45	...	15·7
8	59	37	0	0	47	55	57	0	55	48	37	36	16	59	60	58	60	28	60	18	55	0	60	60	40	0	20	45	60	30	...	19·3
9	60	57	0	2	45	60	0	30	49	60	0	11	5	60	23	60	60	54	60	45	55	0	60	60	40	5	40	60	60	50	...	19·5
10	60	40	0	0	60	60	6	59	53	60	0	44	0	60	27	60	43	54	60	25	50	0	60	60	40	0	60	60	60	50	...	20·2
11	60	57	0	12	59	33	0	60	40	60	20	15	8	60	0	60	25	28	60	35	50	0	60	60	55	0	60	60	60	55	..	19·2
Noon	58	60	0	23	53	0	6	60	40	60	0	14	18	60	0	14	28	8	60	40	15	0	40	60	55	20	60	60	60	60	...	17·2
13h	44	60	0	0	17	0	0	60	56	60	0	18	49	52	0	28	7	0	60	35	25	0	40	60	60	60	57	60	50	55	...	17·1
14	55	60	0	3	1	11	0	60	60	60	4	60	55	0	0	5	36	46	60	40	50	0	35	60	60	60	10	60	45	50	...	17·3
15	55	60	0	20	0	9	0	55	59	54	35	44	53	18	0	23	8	22	36	0	10	0	50	60	50	60	20	60	5	12	...	14·6
16	50	55	0	0	10	28	0	10	59	55	18	43	22	19	10	16	0	6	0	0	0	0	10	60	15	50	60	60	15	5	...	11·2
17	30	3	0	22	42	7	0	0	57	6	33	36	12	1	27	8	0	0	0	10	0	0	30	60	40	15	55	60	0	0	...	9·2
18	18	0	0	40	57	26	0	0	60	36	20	24	0	0	0	10	0	0	0	0	0	0	57	60	20	20	45	60	0	0	..	9·2
19	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	5	0	3	2	2	0	0	0	0	0	...	0·3

The total Amount of Registered Sunshine was 191.6 hrs. and the total possible sunshine was 390·1 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*)

NOVEMBER 1935.

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	21·4	1·4	22·1	0·7	22·2	1·2	19·9	1·0	20·5	1·0	20·8	1·1	20·8	1·0	21·7	0·9	Midnight
1h	20·9	1·1	22·1	0·7	22·2	1·2	19·7	1·1	20·6	1·2	20·5	1·2	20·7	0·9	21·5	0·9	1h
2	20·7	1·3	22·1	0·7	22·1	1·1	19·7	0·7	21·2	1·2	20·3	1·2	20·7	0·9	21·6	0·6	2
3	20·5	1·1	21·5	0·6	22·1	1·0	20·0	0·9	2·10	1·0	20·4	1·2	20·7	0·8	21·2	0·5	3
4	20·4	1·1	21·1	0·6	22·0	1·0	20·0	0·9	20·8	1·2	20·3	1·0	20·4	0·9	20·9	0·8	4
5	20·3	1·1	21·2	0·7	21·9	0·7	19·7	0·9	20·4	1·2	20·3	0·8	20·0	0·6	20·3	0·5	5
6	21·1	1·1	21·4	0·7	21·9	0·9	20·0	0·9	20·9	1·4	20·9	1·0	21·5	1·2	20·9	0·9	6
7	23·4	2·4	23·4	1·4	23·4	1·0	21·2	0·7	22·6	2·1	22·0	1·6	23·4	2·1	22·3	0·8	7
8	25·5	4·5	23·2	1·1	23·7	1·7	23·0	1·4	24·3	3·3	24·3	3·3	24·3	2·7	23·6	1·7	8
9	28·4	5·1	25·4	3·3	24·0	2·2	24·0	2·4	25·0	4·2	25·6	3·8	24·0	2·5	25·0	3·0	9
10	27·1	6·1	25·9	3·8	24·8	2·8	24·0	2·5	25·9	4·7	26·5	4·7	24·0	2·0	26·2	4·1	10
11	27·8	6·3	26·7	4·4	25·3	3·3	25·9	4·3	26·3	4·8	26·0	4·6	24·9	2·6	26·6	4·6	11
Noon	27·1	5·0	27·6	5·5	25·9	3·8	26·5	4·5	26·0	4·7	22·5	1·0	24·1	2·1	27·0	6·1	Noon
13h	27·9	5·5	27·3	4·8	25·8	3·8	24·0	1·9	24·7	3·3	23·1	2·1	24·0	2·1	28·1	6·8	13h
14	28·0	5·4	27·3	4·8	26·1	3·7	24·3	1·8	24·0	2·1	25·5	3·5	23·4	2·1	27·5	5·7	14
15	28·1	5·2	26·8	4·8	25·5	3·4	24·3	2·3	24·0	2·3	25·1	3·5	22·7	1·4	26·6	5·5	15
16	26·5	3·5	26·2	4·2	25·0	3·2	23·9	1·9	23·1	2·0	25·0	3·6	23·1	2·1	25·9	4·5	16
17	24·8	2·3	25·1	3·2	24·3	3·1	24·1	2·4	23·7	2·4	24·1	3·0	23·3	2·6	25·0	3·7	17
18	23·7	1·6	24·6	2·7	20·4	1·2	23·7	2·1	22·8	2·1	23·2	2·4	22·3	1·8	24·4	3·3	18
19	22·2	0·7	23·8	2·5	20·8	1·3	22·4	1·2	21·5	1·4	21·9	1·9	22·0	1·9	23·8	2·7	19
20	22·3	0·9	23·7	2·4	21·0	1·7	21·9	1·1	21·4	1·4	21·3	1·9	22·2	1·7	23·3	2·2	20
21	22·4	0·9	23·0	1·7	20·1	1·1	21·3	0·9	21·1	1·2	21·3	1·8	22·0	1·4	23·1	2·0	21
22	21·9	0·9	22·9	1·8	19·6	1·4	21·3	1·2	21·2	1·3	21·1	1·6	21·3	1·1	23·0	2·0	22
23	22·0	0·7	22·8	1·7	19·7	0·8	21·3	1·2	21·0	1·3	21·1	1·1	21·1	1·0	23·9	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.
Midnight	22·7	1·5	21·7	1·6	20·8	1·2	22·7	1·5	23·8	0·8	22·9	0·4	23·1	1·0	21·5	0·5	Midnight
1h	22·5	1·1	21.6	1·5	21·2	1·2	22·5	1·2	23·6	0·9	22·8	0·6	23·1	1·1	21·0	0·6	1h
2	21·6	1·1	21·4	1·4	20·3	1·1	22·6	1·3	23·6	0·9	22·9	0·6	22·8	1·4	20·7	0·7	2
3	21·2	1·0	20·8	1·0	20·0	0·7	22·4	1·2	23·6	0·9	22·9	0·6	22·9	0·9	20·1	0·7	3
4	21·4	0·8	20·8	1·0	20·6	1·3	22·1	1·1	23·4	0·7	22·7	0·6	22·5	0·6	19·9	0·7	4
5	21·6	1·1	20·7	1·0	20·6	1·2	22·1	1·1	23·5	0·7	22·8	0·4	22·3	0·7	19·9	0·6	5
6	21·7	0·9	21·3	1·4	21·0	1·0	22·1	1·1	23·6	0·7	23·1	0·6	22·3	0·8	20·7	0·7	6
7	23·1	1·1	23·0	1·9	21·6	1·0	24·1	1·8	24·5	0·9	24·0	1·0	24·6	2·0	22·1	0·6	7
8	24·6	3·1	24·0	3·0	23·5	2·9	25·1	3·1	25·2	1·4	25·9	1·8	26·4	3·1	24·5	2·0	8
9	25·5	3·9	26·0	5·0	21·7	0·9	25·0	3·0	26·0	2·0	27·4	2·7	26·9	3·0	27·0	2·8	9
10	25·4	3·5	26·8	5·7	23·9	2·0	26·7	4·0	26·7	2·3	28·2	2·5	26·8	2·8	28·5	3·2	10
11	26·1	5·0	27·0	6·0	24·0	2·8	26·4	4·4	27·1	2·7	29·7	3·7	25·2	1·4	28·0	3·3	11
Noon	26·5	4·6	27·0	6·0	24.7	3·0	26·6	3·9	28·5	3·5	29·1	3·3	25·0	1·3	28·4	3·4	Noon
13h	26·6	5·0	27·0	6·0	22·9	1·9	26·7	4·0	28·8	3·8	28·3	3·4	24·3	0·4	27·2	3·4	13h
14	26·9	5·5	27·0	5·7	25·0	3·1	26·9	3·9	29·4	4·1	27·1	2·3	25·1	0·6	25·8	2·9	14
15	26·2	4·4	26·4	5·1	25·0	2·9	26·5	4·2	28·2	3·8	28·0	3·2	24·4	0·7	27·0	3·2	15
16	26·0	4·6	25·8	4·8	24·0	1·2	26·3	4·2	27·1	3·0	26·0	2·0	25·7	0·7	26·7	3·7	16
17	25·4	4·4	25·0	4·6	24·2	2·2	25·9	3·8	26·0	2·3	25·6	2·0	25·0	1·0	26·3	3·6	17
18	24·5	3·5	24·3	4·2	24·0	2·0	25·0	2·9	25·8	1·8	24·6	1·4	23·0	0·2	25·9	2·8	18
19	23·5	2·5	23·0	3·0	23·5	1·6	24·6	2·5	25·0	1·6	24·1	1·1	23·1	0·3	24·4	2·3	19
20	22·8	1·9	22·1	2·1	23·1	1·2	23·1	0·9	25·0	1·5	23·9	1·1	23·2	0·4	24·1	1·8	20
21	22·5	1·9	21·5	1·5	22·5	1·4	23·4	0·7	25·0	1·5	23·8	1·4	23·2	0·3	23·7	1·3	21
22	22·0	1·9	20·9	1·1	22·1	1·1	23·3	0·9	24·0	1·1	23·4	1·1	22·7	0·6	23·1	1·1	22
23	21·7	1·6	20·9	1·0	22·4	1·4	23·6	1·0	23·3	0·5	23·3	1·1	21·8	0·8	22·6	1·0	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 1935.

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	22·1	1·0	20·8	0·8	22·1	0·8	22·7	1·3	21·8	1·8	22·6	1·4	21·4	1·4	21·0	1·7	Midnight
1h	21·4	0·9	21·6	1·5	22·0	1·0	22·0	1·2	22·0	2·0	22·5	1·6	21·1	1·4	20·9	1·4	1h
2	20·9	0·9	21·6	0·7	21·7	0·8	21·4	1·0	22·1	2·1	22·2	1·5	20·9	1·8	21·0	1·5	2
3	20·5	0·6	21·4	0·9	21·6	0·6	21·6	0·8	22·0	1·9	21·6	0·6	20·7	1·6	20·9	1·7	3
4	20·1	0·9	21·7	1·4	21·5	1·0	21·8	1·1	21·8	1·8	22·0	0·7	20·9	1·6	20·4	1·4	4
5	19·8	0·8	21·5	1·4	20·9	0·8	21·5	1·4	21·6	1·6	22·0	0·9	20·9	1·5	20·0	1·2	5
6	20·5	1·0	21·8	1·6	21·7	1·0	21·5	0·9	22·3	1·7	22·0	0·9	21·3	1·4	21·1	1·6	6
7	23·2	2·1	23·6	2·1	24·0	2·0	24·5	2·5	24·3	2·3	22·0	0·9	23·8	2·8	24·0	2·7	7
8	25·6	3·6	25·0	2·9	25·3	2·8	24·8	2·8	25·7	3·3	21·8	0·8	25·0	3·3	25·1	3·8	8
9	27·0	4·6	26·3	3·8	26·6	4·6	25·1	2·8	26·9	4·7	22·0	0·7	26·0	4·3	25·9	4·3	9
10	27·5	3·9	26·7	4·2	26·7	4·4	25·8	4·2	27·0	4·4	22·5	0·6	26·3	4·3	26·3	4·4	10
11	27·0	3·4	26·4	3·8	27·0	4·4	26·0	4·0	27·1	4·2	23·1	0·9	26·3	4·1	27·1	5·2	11
Noon	27·1	4·4	24·0	1·2	27·6	4·6	27·6	4·9	26·8	4·4	23·6	1·6	26·2	4·2	27·1	5·4	Noon
13h	27·1	4·5	24·1	1·2	28·0	5·3	26·6	4·5	27·1	4·4	23·6	2·0	26·0	4·4	27·6	5·6	13h
14	27·6	4·6	26·0	3·6	28·4	5·4	26·4	5·4	27·4	5·1	23·9	2·4	25·4	3·4	27·1	5·1	14
15	27·0	4·1	25·6	3·2	26·9	4·5	25·8	4·8	26·1	3·7	24·0	2·0	25·6	4·0	27·0	5·3	15
16	26·0	3·8	23·1	1·1	26·0	3·8	25·2	4·2	26·0	3·5	24·0	2·3	24·5	3·0	26·3	4·8	16
17	23·6	1·5	22·9	0·9	25·6	3·6	25·0	4·0	25·3	3·2	23·5	2·0	25·0	3·9	25·5	4·3	17
18	23·7	1·4	22·3	0·3	25·1	3·1	24·2	3·3	24·9	2·9	23·4	1·6	24·2	3·2	24·7	3·6	18
19	23·4	1·3	22·1	0·7	23·9	2·2	23·1	2·8	24·2	2·5	22·9	1·9	23·1	2·5	23·7	2·6	19
20	23·0	1·0	22·2	0·8	23·7	2·0	22·4	2·1	24·0	2·3	22·4	1·9	22·3	2·2	23·5	2·0	20
21	21·9	0·9	22·1	1·1	23·5	2·1	22·3	2·3	23·7	1·9	22·0	1·5	22·1	2·1	22·9	1·4	21
22	21·9	1·0	21·9	0·9	23·4	2.3	22·0	2·0	23·4	1·8	22·5	2·1	22·2	2·2	22·6	1·6	22
23	21·2	1·0	22·1	1·1	22·9	1·9	21·8	1·8	23·0	2·1	22·2	1·8	21·7	2·1	22·4	1·3	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.	
Midnight	22·2	1·1	22·4	0·4	24·0	1·9	23·4	1·8	22·0	1·0	22·0	1·1	...	...	22·0	1·2	Midnight
1h	22·3	1·3	22·2	0·6	23·7	1·5	23·1	1·6	21·3	1·0	21·7	1·1	...	...	21·8	1·1	1
2	21·7	0·7	22·1	0·9	23·4	1·4	23·3	1·6	20·8	0·8	21·3	1·0	...	...	21·6	1·1	2
3	21·6	0·7	21·6	0·7	23·4	1·5	23·0	1·6	20·8	0·8	20·8	0·8	...	...	21·4	0·9	3
4	21·3	0·6	21·2	0·5	23·3	1·4	22·5	1·2	20·4	0·8	20·7	0·7	...	...	21·3	1·0	4
5	21·6	0·8	21·6	0·7	23·4	1·4	22·3	1·2	20·2	0·8	20·4	0·9	...	...	21·2	1·0	5
6	22·1	1·0	22·0	0·9	23·5	1·4	22·7	1·1	21·0	0·7	21·4	1·0	...	...	21·6	1·0	6
7	23·2	1·3	23.0	1·0	24·7	2·2	24·3	2·3	24·1	1·6	24·0	1·9	...	...	23·3	1·6	7
8	24·3	1·7	23·4	1·4	25·0	2·2	25·3	3·0	26·0	3·4	25·2	2·5	...	...	24·6	2·6	8
9	23·6	1·2	23·5	0·8	26·0	3·0	26·2	3·4	27·0	4·4	26·1	3·6	...	...	25·4	3·2	9
10	25·2	2·3	23·4	0·7	27·0	4·0	26·5	4·0	27·5	4·7	27·0	4·0	...	...	26·1	3·6	10
11	26·0	2·9	24·7	1·6	27·0	4·0	27·5	4·6	28·4	5·2	27·8	4·3	...	...	26·5	3·9	11
Noon	26·9	3·9	26·0	2·9	27·2	4·2	27·3	4·3	28·6	5·5	28·0	4·7	...	...	26·6	4·0	Noon
13h	27·2	4·2	26·6	2·8	27·1	4·0	27·5	4·5	28·2	5·2	28·5	4·6	...	...	26·4	3·9	13h
14	27·0	4·1	26·0	2·9	25·9	2·9	27·2	4·2	28·3	5·2	28·0	4·5	...	...	26·5	3·9	14
15	26·6	3·6	26·3	3·2	26·5	4·0	27·9	4·9	27·1	4·4	27·1	3·7	...	...	26·1	3·7	15
16	26·3	4·3	26·1	3·1	26·6	4·0	27·9	4·9	26·9	4·3	26·8	3·8	...	...	25·6	3·3	16
17	25·5	3·5	25·4	2·5	25·7	3·6	26·4	4·1	26·4	3·9	26·3	3·3	...	...	25·0	3·0	17
18	24·9	2·8	25·0	2·1	25·1	2·7	25·0	3·0	25·7	3·3	25·7	2·8	...	...	24·2	2·4	18
19	24·0	1·6	24·3	1·6	24·4	2·3	24·0	2·0	25·4	3·0	24·3	1·6	...	...	23·4	1·9	19
20	23·7	1·4	24·2	1·7	24·2	2·1	23·1	1·4	24·6	1·9	24·0	2·0	...	...	23·1	1·7	20
21	22·8	0·8	24·2	1·6	23·9	2·0	22·7	1·2	24·6	1·7	23·8	1·8	...	...	22·7	1·4	21
22	22·3	0·8	24·2	1·7	23·7	1·7	22·4	1·3	24·2	2·2	23·5	1·8	...	...	22·5	1·5	22
23	22·5	0·7	24·3	1·9	23·6	1·9	22·1	1·1	23·0	1·5	23·2	1·5	...	...	22·3	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 NOVEMBER 1935.

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 1935.

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	10	2·2	09	1·7	08	1·2	11	1·3	10	3·0	12	2·2	12	1·5	11	1·0	09	1·8	11	2·8	12	1·2	08	3·1	06	2·6	22	2·2	13	1·8	07	1·1
1h	10	1·3	09	1·8	08	1·2	11	1·0	08	3·5	12	1·9	12	1·9	10	1·8	09	1·9	11	2·6	11	1·4	06	2·6	06	1·9	22	1·7	14	1·2	07	1·3
2	10	1·9	09	1·3	08	0·7	14	0·7	10	2·1	12	2·1	11	2·0	04	1·3	09	2·2	11	2·2	09	2·9	06	1·4	06	1·8	22	1·7	14	1·9	07	1·2
3	10	2·4	09	1·7	08	1·2	14	1·0	12	3·4	12	2·1	11	2·0	04	0·7	09	1·3	10	1·5	11	1·5	06	1·8	04	1·8	24	2·3	07	1·7	10	1·5
4	10	2·2	09	1·8	08	2·1	14	0·6	11	2·1	10	2·7	11	1·8	09	1·8	09	1·0	10	1·5	11	2·5	07	1·5	04	1·8	26	1·8	07	1·8	10	1·7
5	10	2·4	09	1·7	12	2·6	14	1·6	11	1·8	11	1·8	11	2·8	12	2·8	12	1·7	10	1·8	12	1·8	09	1·6	04	1·2	26	1·1	07	1·5	10	1·1
6	10	2·2	09	1·8	07	1·9	14	1·0	11	1·7	11	1·8	11	1·9	14	1·4	12	1·2	10	2·8	12	2·7	09	2·6	04	1·8	22	0·7	07	1·6	11	1·3
7	10	3·1	10	2·7	06	2·5	12	1·8	11	3·0	11	2·7	11	2·7	14	1·1	12	2·0	10	3·8	12	2·8	08	3·2	04	2·8	22	0·6	07	1·4	11	0·9
8	08	4·7	06	2·8	07	2·6	12	2·8	12	4·6	10	3·1	11	3·1	12	1·5	08	3·6	11	3·5	11	2·8	06	3·6	03	3·8	28	0·9	14	1·6	11	0·7
9	11	5·1	05	4·0	07	2·5	12	2·4	11	4·6	12	2·4	03	3·3	12	2·0	06	4·7	10	4·8	08	3·3	05	4·9	02	3·9	30	1·6	24	1·8	06	1·0
10	11	5·0	07	3·5	05	3·2	11	3·2	11	5·0	09	2·5	10	3·3	05	2·9	06	4·1	11	4·9	06	4·0	05	5·4	02	4·2	27	1·9	29	2·5	r27	2·1
11	10	4·4	06	4·2	06	2·8	10	2·9	09	5·0	09	2·1	10	3·1	07	3·1	07	4·9	08	4·9	05	5·0	04	5·0	02	4·6	28	2·8	24	2·1	30	3·0
Noon	10	4·9	07	4·4	07	3·2	10	2·7	10	4·6	15	2·4	11	2·1	06	3·4	06	4·8	09	4·8	07	4·7	03	5·0	32	4·6	27	3·7	27	1·0	27	3·3
13h	10	5·0	06	4·4	06	3·3	06	2·7	11	5·3	14	1·8	11	1·9	04	3·4	08	4·7	10	4·6	07	5·2	05	5·5	01	4·9	26	2·9	29	0·8	26	3·1
14	12	5·3	06	4·8	07	2·7	12	2·8	10	3·6	10	1·3	07	3·1	05	3·5	06	4·6	10	5·1	07	4·1	06	5·4	32	4·7	20	2·5	30	1·4	r08	2·1
15	10	5·5	08	4·6	05	4·0	08	3·1	10	3·8	07	1·9	10	2·7	06	3·4	08	4·3	09	4·9	06	4·2	06	5·0	01	4·6	22	1·5	30	1·3	04	1·0
16	10	5·3	06	3·8	06	2·9	10	2·3	10	5·0	07	2·4	11	3·1	07	3·3	06	3·3	09	5·0	07	3·3	06	4·5	01	4·4	r12	2·7	26	1·4	24	1·7
17	12	4·4	07	3·4	11	3·3	11	2·7	12	3·7	09	2·6	11	2·6	07	2·7	10	4·8	12	4·8	05	4·0	06	4·4	32	3·8	10	3·6	31	1·9	25	2·0
18	11	3·1	08	2·8	12	3·8	10	2·6	10	3·2	10	2·9	10	2·5	08	3·1	10	3·5	10	3·8	06	3·9	06	4·1	02	2·6	09	2·6	02	1·3	24	1·8
19	11	3·3	08	2·6	10	1·9	10	2·1	10	2·7	11	2·2	08	1·5	09	2·1	11	2·4	12	2·0	06	2·9	06	3·9	02	2·6	09	1·8	02	1·4	r11	1·7
20	11	2·4	08	2·2	07	2·2	10	1·9	11	2·9	11	2·5	11	1·6	09	1·8	11	1·8	10	2·3	06	2·5	06	3·3	02	2·5	09	1·9	07	1·6	11	1·1
21	08	3·2	08	1·8	08	3·2	10	1·6	11	3·1	11	2·7	11	0·9	09	2·7	11	1·8	10	2·6	06	1·8	06	2·9	02	2·2	10	1·8	07	1·1	11	1·2
22	09	1·9	08	1·6	12	1·9	11	2·7	11	2·4	11	2·4	11	1·1	09	3·0	11	2·5	11	2·6	06	1·8	06	2·7	r24	2·1	10	1·8	07	1·1	11	1·1
23	08	2·2	08	1·8	11	2·0	12	2·4	12	1·9	12	2·4	11	1·8	09	2·1	11	2·3	12	1·8	08	3·1	06	2·4	18	1·6	12	1·2	07	1·6	11	1·4

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.	...	...	
Midnight	11	1·1	12	1·6	10	1·6	08	0·7	12	2·7	11	3·3	10	2·7	09	1·5	11	2·4	09	4·0	07	4·5	07	2·2	08	1·2	08	1·7	...	...	2·1
1h	11	1·3	11	3·1	08	1·8	08	1·1	12	3·0	11	4·1	10	2·7	09	1·4	11	2·8	08	3·6	07	3·8	07	2·0	08	0·9	08	1·7	...	...	2·1
2	11	1·1	11	2·3	08	1·7	08	1·4	12	3·5	12	4·7	11	2·3	09	1·8	12	2·8	09	3·4	08	2·9	07	2·2	08	1·1	08	1·4	..	...	2·0
3	11	1·7	11	3·2	08	1·5	10	1·5	12	2·9	12	2·8	11	2·7	09	1·6	12	3·1	08	3·0	08	3·5	07	2·1	08	1·1	08	1·6	...	...	2·0
4	11	1·8	07	2·1	08	1·5	10	1·0	11	2·7	08	2·7	11	2·7	09	1·6	12	2·2	12	2·5	09	3·7	07	1·8	10	1·4	10	1·2	...	...	1·9
5	11	1·3	13	1·3	08	2·2	10	1·8	12	2·7	09	3·1	11	2·5	09	1·8	12	2·3	08	2·9	08	3·9	07	1·6	10	1·3	10	1·2	...	...	1·9
6	11	1·3	13	1·8	08	1·8	11	1·7	13	2·8	10	3·7	11	2·6	09	3·1	12	2·9	10	2·4	08	3·6	07	1·6	10	1·2	11	1·6	...	...	2·0
7	11	1·1	12	2·7	07	2·7	11	2·3	12	3·6	10	4·0	11	3·6	10	3·2	12	3·0	07	2·5	07	4·5	06	3·2	10	1·5	11	1·9	...	..	2·6
8	11	1·1	08	2·7	07	4·2	11	3·1	12	4·9	07	3·2	09	4·5	09	5·3	12	5·2	09	3·4	08	5·3	06	3·8	08	2·3	11	2·4	...	...	3·2
9	07	1·1	08	3·4	05	4·5	09	3·8	11	5·5	08	2·1	09	5·7	09	5·7	10	5·6	08	3·5	06	6·0	05	4·0	06	2·0	10	3·0	...	...	3·6
10	r26	2·2	04	3·9	05	4·3	09	4·2	10	5·2	08	2·2	09	5·2	09	5·4	10	5·6	08	3·1	06	5·5	05	4·2	06	2·8	09	3·9	...	...	3·8
11	30	2·3	06	3·8	03	4·1	08	4·2	12	5·5	10	2·9	09	5·4	10	5·7	10	5·8	05	3·4	06	6·6	05	4·2	04	3·2	07	3·7	...	...	4·0
Noon	06	2·7	09	2·4	04	3·8	10	4·4	10	5·5	07	3·4	08	5·5	09	6·0	09	5·2	06	5·4	06	5·8	07	4·1	05	3·4	08	3·4	...	...	4·0
13h	04	3·0	09	4·1	04	4·2	10	4·1	10	5·5	08	3·7	08	5·0	11	6·0	09	4·5	06	5·7	06	5·4	05	4·1	05	4·0	05	4·4	...	...	4·1
14	04	2·8	05	5·1	05	3·7	10	4·4	10	6·5	10	4·0	09	6·9	10	6·2	07	4·4	05	5·0	07	4·7	06	4·5	03	4·1	07	3·7	...	...	4·1
15	06	3·1	07	4·7	05	3·6	09	4·8	10	5·4	10	4·0	07	6·1	10	5·9	10	4·6	07	5·7	05	5·4	05	3·7	03	3·5	06	3·5	...	...	4·0
16	06	2·4	03	4·2	06	2·8	10	4·4	11	5·2	09	4·8	08	5·2	10	5·5	09	4·3	06	5·0	06	5·3	06	3·5	04	2·8	07	2·6	...	...	3·8
17	18	2·9	06	1·1	07	2·1	10	4·1	12	4·4	10	4·4	10	5·5	10	5·4	10	4·4	08	4·4	06	4·9	06	3·6	08	2·0	07	2·2	...	...	3·5
18	18	1·0	14	1·3	07	1·5	11	3·6	11	4·1	10	3·5	10	5·3	10	4·8	10	4·0	06	3·6	06	4·7	08	3·0	08	1·6	08	1·8	...	...	3·0
19	18	0·6	15	1·7	a20	1·8	11	2·3	10	3·0	11	3·1	10	4·0	10	3·7	10	4·1	08	4·1	06	3·8	08	1·8	08	1·2	10	2·2	...	...	2·5
20	18	1·3	12	1·7	20	0·8	11	1·6	11	3·3	11	3·0	10	3·6	10	2·3	10	4·0	08	4·0	06	3·5	08	2·0	08	0·7	11	2·1	...	...	2·3
21	16	2·0	08	2·1	a04	1·6	11	2·4	09	4·5	11	2·8	10	4·0	10	2·3	09	4·2	08	4·0	06	3·4	08	1·7	08	0·6	12	1·8	...	...	2·4
22	12	1·8	08	1·2	04	0·7	12	2·3	12	3·9	10	4·3	10	3·5	10	2·1	11	3·1	07	4·2	07	2·9	08	1·3	08	1·7	12	2·7	...	...	2·3
23	12	1·6	09	1·6	04	1·1	12	2·2	12	3·9	10	3·5	10	2·5	11	2·2	11	3·7	06	3·3	06	3·2	08	1·9	08	1·6	12	4·0	...	..	2·3

TABLE XIII.—WIND FREQUENCY (NUMBER OF OBSERVATIONS), NOVEMBER 1935.

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	...	...	30	...	...	2	1	11	4	9	1	1	...	...	...	1	...	...	...
9	...	5	25	...	1	5	4	9	3	6	..	...	...	...	...	1	...	...	1
15	...	4	26	1	...	6	5	9	7	...	...	...	...	...	1	...	...	...	1
21	...	...	30	...	1	1	3	11	5	8	...	1	...	...	...	...	...	...	...
Totals	...			1	2	14	13	40	19	23	1	2	...	...	1	2	...	...	2

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for NOVEMBER, 1935.

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

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR NOVEMBER, 1935.

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	...	...	...	...	...	...	...	...	...	...	2·0	...	..	0·1	..	..	...	...	...	...	...	...	...	...	...	...	1·2	...	...	..	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	1·5	...	...	0·1	...	4	...	..	.	...
3	...	...	0·6	...	...	...	...	...	...	..	1·6	...	0·5	0·2	...	...	...	...	...	...	...	1·3	...	1·4	0·1	...	...	...	...	...	...
4	...	..	0·4	...	...	...	0·1	...	..	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	8·0	1·0	...	...	...	...	...
5	..	...	0·3	...	...	...	0·1	...	...	...	...	0·2	0·2	...	...	...	...	...	...	...	...	...	...	...	2·6	0·1	0·1	..	...	...	...
6	...	...	...	...	...	...	0·1	3·3	..	...	.	...	...	...	...	...	...	...	0·1	...	...	0·1	...	...	3·5	0·1	...	0·1	...	...	...
7	..	...	...	...	...	...	..	0·2	0·2	...	..	...	...	...	...	...	...	...	...	0·2	...	...	...	...	2·1	0·2	0·1	...	...	...	...
8	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	3·8	...	0·1	...	...	...	...
9	...	...	...	...	...	...	..	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...	...	...	...	...
10	...	...	1·2	...	...	..	...	...	..	...	3·1	...	...	...	...	...	..	...	...	...	...	1·4	...	...	...	10·4	...	...	...	...	...
11	...	...	...	...	...	6·6	0·8	...	...	...	...	...	...	0·7	...	...	...	...	...	...	...	0·2	1·1	...	...	0·6	..	...	...	...	...
Noon	...	...	...	...	...	12·6	...	...	...	...	...	...	0·7	27·9	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	0·7	...	0·3	0·4	...	...	...	...	...	..	...	11·7	2·0	0·4	..	0·9	...	...	...	...	...	...	...	0·5	...	...	...	...	...
14	...	2·2	1·2	...	...	...	..	...	...	...	...	...	...	6·8	2·2	..	...	5·2	...	...	...	...	2·3	...	...	...	...	...	...	1·2	...
15	...	3·5	2·8	5·1	...	0·1	5·0	...	...	...	0·3	...	...	...	...	...	10	...	...	...	...	...	...	...	0·7	...	...	...	...	8·8	...
16	...	...	20·1	1·1	2·7	...	0·8	...	...	...	0·7	...	...	...	...	...	35	...	0·3	...	...	...	...	...	...	...	...	...	4·5	0·7	...
17	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	1·1	..	...	...	...	...	...	...	...	...	1·7	...	...
18	0·5	...	3·7	...	...	9·1	...	.	...	...	...	...	0·4	...	...	...	...	1·8	. .	...	...	...	...	...	...	0·3	...	...	0·1	0·2	...
19	1·2	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·3	...	...	...	...	..	0·6	...	0·3	...	...	...	0·2	...
20	2·1	. .	1·9	...	...	...	...	..	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	0·2	.	...	..	...	...
21	0·9	...	5·6	...	...	...	...	...	...	...	...	0·7	0·3	...	...	...	..	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...
22	0·8	...	1·2	...	...	...	...	...	. .	0·5	...	0·2	17·8	...	...	...	...	...	...	..	...	...	...	...	0·6	2·6	...	...	...	...	...
23	...	...	1·6	...	...	...	...	...	...	0·8	...	..	8·3	...	...	...	...	...	...	...	0·3	...	...	..	0·2	1·4	...	...	...	...	...
24	0·4	...	...	...	...	...	..	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	0·3	0·6	0·6	..	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of NOVEMBER, 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	5·11	129·8	16·2	12
*	St. Antoine	50	7·68	195·1	1·42	18
*	Belmont	50	11·21	284·7	1·83	18
*	Poudre d'Or	20	13·79	350·3	1·73	18
	Mon Loisir S. E.	300	7·34	186·4	2·16	19
	Forbach	300	...	..	1·80	...
*	Couroupa...	...	6·94	176·2	2·17	17
*	Labourdonnais	290	4·90	124·5	2·00	11
	Mapou (Water Office) ...	...	7·31	185·7	...	15
	Beau Séjour	300	7·80	198·1	2·63	19
	Mont Piton	650	6·38	162·1	2·42	19
	Mon Choix	700	7·42	188·5	2·33	19
	Antoinette	640	12·24	310·9	2·67	20
	Mon Songe	620	15·50	393·7	3·04	21
	Botanical Gardens... ...	325	8·30	210·8	2·19	22
*	The Observatory	179	5·77	146·5	1·76	22
	Solitude	175	5·79	147·1	1·23	12
	Triolet	...	...	...	...	...
	St. André (Cour)	90	5·90	149·9	1·66	14
	La Nicolière	...	17·53	445·3	5·15	24
	California	...	15·48	393·2	2·38	17
	Australia	...	...	...	...	...
2 & 3	Union Régnard S.E.(Flacq)...	600	12·84	326·1	2·78	24
	Constance d'Arifat L.G. ...	100	10·57	268·5	2·64	22
	Rich Fund	600	13·31	338·1	4·01	24
	La Jeffrette	...	10·53	267·5	...	16
	Belle Vue (Allendy) ...	...	14·93	379·2	4·11	21
4 *	Sans Souci	900	21·00	533·4	6·12	23
	Beau Champ (G.R.S.E.) ...	20	7·02	178·3	2·47	18
	Olivia	400	20·08	510·0	4·22	21
	Trois Ilots	...	14·51	368·6	...	20
	Belle Rive	400	25·18	639·6	6·75	23
	Sébastopol	700	8·64	219·5	...	10
	Bonne Veine	400	19·46	494·3	6·35	22
5	Rose Belle	850	20·00	50·80	7·98	24
	New Grove	650	17·19	436·6	...	21
	Mon Trésor	...	14·25	362·0	...	19
	Mon Désert (Carié) ...	75	7·18	182·4	2·93	19
	Ferney	20	...	...	3·50	...
	Sauve Terre	...	8·77	222·8	...	20
6	Tivoli	1,300	14·29	363·0	5·90	28
	La Flora...	1,050	15·79	401.1	7·24	26

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches.	Number of days
6	Riche Bois (Brit.) ...	650	13·95	354·3	5·93	20
	Britannia (Estate) ...	700	13·49	342·6	4·55	26
	Savannah (Mill) ...	200	10·19	258·8	3·63	16
	St. Aubin	300	10·17	258·3	3·24	20
	St. Avold	900	12·57	319·3	5·88	26
	Colmar	400	13·73	348·7	4·38	20
	Union S. E.	...	10·48	266·2	4·18	15
	Fontenelle	320	13·82	351·0	4·13	15
	Choisy	200	11·65	295·9	2·60	14
	Beau Bois	...	17·46	443.5	3·72	22
	Bel Air	...	10 38	263·7	4·17	16
	St. Félix	...	12·82	326·6	...	16
7,8,9&10	Bel Ombre	40	9·37	238·0	23·0	12
	Beau Champ (B. du Cap)	70	9·34	237·2	2·73	12
	Frédérica	...	8·39	213·1	...	13
	Pierre Fond	...	10·17	258·3	2·54	22
	Ste. Marie	...	10·20	259·1	...	12
	Hussonia Limited ..	..	6·21	157·7	...	18
11	Curepipe Gardens ...	1,840	16·21	411·7	5·43	30
	Mare aux Vacoas (G.E.)	1,850	12·18	309·4	6·63	26
	Mare aux Vacoas (Arn.)	1,830	13·74	349·0	6·32	26
	La Marie Filter Bed ..	1,700	11·25	285·8	4·30	23
*	Sophie	...	11·75	298·4	...	27
	Réunion	1,420	12·78	324·6	3·38	27
*	Aerological Station ...	1,393	12·82	325·6	4·80	30
	Phœnix	...	11·33	287·8	3·30	17
	Quatre Bornes... ...	...	10·34	262·6	...	15
12	Quatre Bornes (Board) ...	1,090	8·56	217·4	...	18
*	Le Réduit (D. of A.) ...	1,000	8·43	214·1	2·20	30
	Alma...	1,460	14·49	368·0	5·12	24
	Bagatelle	1,250	13·28	337·3	2·75	25
	Highlands	1,300	12·24	310·9	3·12	23
	Trianon	950	10·95	278 1	2·35	24
	Val Ory	1,100	8·49	215·6	2·30	20
	Bassin	...	10 93	277·6	2·90	21
	Hermitage	1,450	15·55	395·0	5·55	22
	Ebene	...	8·64	219·5	...	22
	Bega...	...	8·55	217·2	...	22
	Mon Rêve	...	9·80	248·9	...	23
	Mont Pevril	...	10·38	263·7	...	22
	Minissy	1,150	11·20	284·5	27·5	23
	Plaisance	...	7·72	196·1	...	11
	La Ferme	350	8·71	221·2	1·65	20

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 1935.

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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	90	16·1	90	11·2	...	...	...	...	...	...	270	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	9¼	90	10·8*	45	3·0*	...	...	...	...	230	*	210	*	...	...	...	...	...	...	...	...	...	...	...	...	...
9	0¼	90	14·9*	105	6·9*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	11½	62	12·6*	43	5·9*	360	4·5*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	9¼	30	24·5*	21	5·4*	...	...	...	...	...	...	...	...	13¾	360	10·8*	357	5·2*	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	11¼	150	2·4*	285	8·7*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	10¼	45	7·5	45	12·7	...	...	...	...	...	...	...	...	12	...	...	...	...	...	...	...	...	...	...	300	...
20	10½	...	...	90	5·2	300	...	...	...	...	...	270	...	13¾	112	21·2*	110	8·1*	90	2·0*	90	1·5*	...	...	...	...
21	7½	...	...	...	...	...	...	...	...	...	...	300	4·6	14¼	...	...	90	4·4	315	...	...	...	...	...	300	3·8
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18¼	...	...	...	...	...	...	...	...	...	225	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	11¼	165	4·6*	120	4·1*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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

* Obervatory Pamplemousses.

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RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER, 1935

M. HERCHENRODER, B. Sc.

ACTING DIRECTOR

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PORT LOUIS

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1936

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH OF DECEMBER 1935.

Month and Day.	Mean Declination (West).	Mean Horizontal Force. (C.G.S. Units)	Mean Vertical Force. (C.G.S. Um)	Daily Range† Declination.	Daily Range† Horizontal Force (Unit 1 γ)	Daily Range† Vertical Force (Unit 1 γ)
DEC.	° ′			′		
1	13°04·3	·22524	·29712	4·5	32	14
2	04·1	530	712	4·3	63	8
3	03·8	529	714	2·2	42	8
4	04·3	533	717	3·8	30	16
5	04·2	540	713	3·8	20	10
6	03·3	541	714	7·0	32	8
7	03·7	541	715	8·5	48	12
8	03·9	557	716	3·5	47	19
9	03·8	550	713	5·0	50	28
10	04·5	550	710	16·0	42	51
11	03·8	551	712	5·7	70	37
12	03·5	540	716	12·3	45	21
13	04·2	532	717	8·7	63	11
14	03·4	528	715	9·5	50	26
15	04·0	517	722	6·5	57	14
16	04·7	518	722	9·5	43	16
17	04·4	519	719	7·5	32	19
18	04·1	525	717	6·2	31	18
19	04·3	531	715	5·0	30	15
20	04·7	...	716	2·5	...	13
21	04·8	539	717	3·5	27	5
22	04·6	530	714	6·3	29	15
23	...	...	717	...	...	6
24	...	...	714	...	...	15
25	05·0	543	713	8·8	67	21
26	05·6	512	719	7·5	56	11
27	04·9	509	720	7·5	55	17
28	05·0	506	717	9·5	82	17
29	05·3	511	714	4·5	21	20
30	05·5	521	715	9·5	24	20
31	04·4	512	713	9·6	45	26
Mean	13°04·35	·22530	·29715	6·85	44·0	17·3

Description of the Principal Magnetic Disturbances.

Declination.—1d. and first half of 2d. Slightly disturbed.
14d. Slightly disturbed during second half.
15d. Moderately disturbed during fist half. Very rapid small oscillations between 6h. and 8h.
16d. Very faintly disturbed.
Slightly disturbed from 25d. to 29d. Very small and irregular fluctuations throughout. A quiet trace is resumed from 8h. on 29th.

Horizontal Force.—1d. and greater part of 2d. Slightly disturbed—with only minor fluctuations.
12d. at end and 13d. Slightly disturbed.
14d. from 14h. Moderately disturbed; succession of waves not greater than 30γ between 18h. 30m. and 24h.
15d. From 0h to 8h. moderately disturbed.
16d. Slightly disturbed.
24d. 23h. 30m. Sudden commencement of a disturbed period of long duration. This gradually settles down on 29d. Irregular oscillations throughout on a moderately fluctuating trace. Large negative wave (57γ) between 13h. 30m. and 17h. 30m. on 28d.

Vertical Force.—1d. and first part 2d. Slightly disturbed. Small pulsations throughout.
14d. and first part of 15d. Moderately disturbed; Frequent minor pulsation on the trace.
24d. Very slightly disturbed for the greater part.
26d. to 29d. Slightly disturbed. Minor pulsations throughout.

T=·37289: Mean Dip=52° 49′·83: (X=·21941: Y=−·05096: Z=·29715).

† 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 1935.

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	° ′	
10.15.13	13 00.75	2· 9·47	·22560	10.15.01	52.47.62	·29706
17·14·36	12 59·09	9· 9·22	·22561	17·14·21	52·51·37	·29704
27·11·02	13 01·62	13· 9·36	·22561	27·10·51	52·49·06	·29696
31·13·27	13 02·10	17· 9·22	·22535	31·13·11	52·52·75	·29706
		20· 9·32	·22548			
		23· 9·00	·22542			
		30·11·04	·22540			

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

DECEMBER 1935.

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
	12° +																
Midnight	65'.0	64'.3	64'.5	64'.5	64'.5	64'.5	64'.5	63'.5	63'.5	64'.7	64'.2	63'.5	63'.7	64'.3	65'.5	65'.0	Midnight
1h	65.0	64.5	64.3	64.5	65.0	64.3	64.3	63.7	63.7	64.7	64.5	64.5	64.3	64.3	65.0	65.0	1h
2	64.5	64.3	64.5	64.5	64.5	63.5	64.0	64.0	64.0	64.5	65.0	64.5	64.7	64.5	65.3	64.7	2
3	64.0	64.5	64.3	64.5	64.3	63.7	64.7	64.7	65.0	64.5	65.3	65.0	65.0	64.5	65.0	64.5	3
4	65.0	65.0	64.0	64.0	64.0	64.0	65.0	65.0	65.0	65.0	65.8	65.3	65.5	64.0	65.5	64.5	4
5	65.7	64.5	64.0	64.5	64.5	64.3	65.3	65.5	65.5	67.0	66.5	66.0	66.0	65.0	65.5	65.0	5
6	65.5	65.0	64.0	65.0	66.0	65.5	65.5	68.3	68.5	68.5	68.0	67.0	67.0	65.3	64.5	65.0	6
7	65.5	64.5	63.5	65.5	66.3	65.5	67.0	71.0	70.5	71.0	71.0	69.0	67.3	65.5	65.0	65.5	7
8	65.0	62.5	63.7	65.0	65.5	64.3	66.7	69.0	69.0	72.0	70.7	69.3	68.0	65.0	63.0	65.5	8
9	66.0	64.3	64.3	66.0	65.0	63.5	66.3	65.5	65.5	71.0	68.0	68.0	67.5	65.3	65.0	67.5	9
10	66.0	64.3	64.3	66.3	64.7	61.5	64.0	62.5	62.5	67.5	65.0	66.0	66.0	65.5	65.3	67.7	10
11	65.0	63.5	64.2	65.0	63.5	59.0	60.0	60.0	60.0	62.0	59.5	62.0	63.5	64.5	65.0	68.0	11
Noon	62.5	62.5	64.0	64.0	62.5	58.5	58.5	57.5	55.5	56.0	56.5	58.0	63.0	62.0	64.5	67.5	Noon
13h	62.0	62.5	63.5	62.5	63.3	60.0	59.0	58.0	56.0	56.5	55.3	57.0	61.0	59.0	63.0	65.0	13h
14	61.5	62.0	63.0	62.5	63.3	61.7	60.0	59.0	59.0	58.5	56.0	58.0	60.0	57.0	59.5	60.3	14
15	61.5	62.5	62.5	63.3	63.5	62.3	62.0	62.0	62.0	61.0	59.0	58.5	59.3	56.0	59.0	58.5	15
16	62.3	62.7	62.7	64.0	63.7	63.0	63.5	63.5	63.5	62.5	62.0	59.5	60.0	59.0	60.0	60.0	16
17	64.3	63.3	62.5	64.5	64.0	65.0	65.0	65.0	65.3	64.5	65.0	62.0	62.5	62.0	63.0	63.0	17
18	64.5	63.5	62.3	64.0	64.0	64.5	65.0	65.3	65.5	65.0	64.7	63.5	64.0	63.0	64.3	64.0	18
19	63.7	65.0	63.0	63.5	63.5	64.0	64.0	65.0	65.0	64.7	63.5	63.3	63.5	64.5	64.0	65.5	19
20	64.0	66.0	64.0	63.5	63.5	64.0	63.5	64.0	64.0	64.0	63.5	63.0	64.0	64.5	63.7	64.5	20
21	66.0	65.5	64.3	64.0	64.0	63.7	64.0	64.0	64.0	64.0	63.7	63.5	65.3	65.0	64.7	65.0	21
22	65.3	66.3	64.5	64.3	64.5	64.0	64.3	64.0	64.0	64.7	64.0	63.3	65.3	65.0	65.5	65.3	22
23	64.4	65.3	64.5	64.5	64.0	64.2	64.0	64.5	64.5	64.3	64.0	64.0	64.5	65.5	65.0	65.5	23

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day / Hour
	12° +																
Midnight	65'.5	64'.7	65'.3	65'.3	65'.0	65'.0	65'.0	*...	64'.7	65'.7	65'.0	65'.3	64'.0	65'.0	65'.0	64'.7	Midnight
1h	65.0	64.7	65.5	65.3	65.3	65.5	65.3	...	65.0	65.5	65.0	64.5	64.0	65.0	64.5	64.7	1h
2	64.0	64.5	65.5	65.3	65.5	65.5	65.5	...	65.0	65.5	64.0	65.0	65.0	64.7	64.0	64.6	2
3	65.3	64.5	65.5	65.5	65.5	65.7	65.5	...	66.0	65.7	64.5	65.3	63.0	64.5	64.0	64.8	3
4	65.3	65.0	66.0	65.0	65.5	65.7	65.7	...	67.0	66.5	65.5	65.7	64.0	65.0	64.0	65.1	4
5	65.5	65.5	66.5	65.5	65.5	65.5	65.8	...	67.0	68.0	67.3	66.5	65.5	65.0	64.5	65.6	5
6	66.3	66.5	66.5	65.5	66.3	66.0	66.5	...	69.0	69.5	68.5	66.0	66.5	66.0	65.5	66.4	6
7	67.0	66.7	66.3	65.0	66.5	67.0	67.0	...	69.0	70.0	69.5	69.0	67.5	69.0	67.0	67.3	7
8	67.0	65.5	65.0	64.0	65.5	66.5	65.5	...	69.5	68.5	69.5	70.5	67.7	70.5	68.5	67.0	8
9	67.0	64.5	64.7	64.3	65.3	66.3	64.7	...	68.5	67.0	65.5	69.0	63.0	71.0	69.3	66.5	9
10	66.7	63.5	64.0	64.0	65.3	65.7	63.0	...	64.0	65.5	63.3	66.5	67.5	70.0	68.5	65.3	10
11	65.5	63.3	64.0	64.5	65.0	65.5	*...	65.5	61.0	65.3	62.0	64.0	66.0	67.0	67.0	63.6	11
Noon	64.5	63.0	63.3	65.0	64.7	64.7	...	64.5	60.7	64.0	62.0	62.0	64.7	63.5	65.0	62.1	Noon
13h	63.0	63.0	63.3	65.3	64.0	64.0	...	64.0	61.0	62.7	63.0	62.5	64.0	62.3	62.0	61.5	13h
14	61.0	62.7	62.0	65.5	63.0	62.0	...	63.0	62.0	62.5	62.5	61.0	63.5	61.5	60.0	61.1	14
15	59.5	60.5	61.5	64.5	63.5	60.7	...	63.0	63.0	63.5	62.5	61.0	64.3	62.5	59.7	61.4	15
16	68.0	61.5	61.5	64.0	64.0	60.7	...	63.2	64.0	64.5	63.0	63.5	64.0	64.0	61.0	62.3	16
17	62.0	62.5	62.5	63.0	64.0	62.5	...	63.5	65.5	65.0	64.0	64.0	64.7	65.3	62.0	63.7	17
18	63.0	63.3	63.0	63.3	64.2	63.3	...	64.7	65.3	64.7	65.0	64.7	65.5	65.2	63.0	64.2	18
19	64.5	64.3	64.0	64.5	64.3	64.2	...	65.0	65.0	65.0	65.3	65.0	65.3	64.3	63.0	64.3	19
20	64.5	64.5	64.5	64.3	63.7	64.0	...	65.0	64.5	65.3	65.0	64.7	65.5	64.5	64.0	64.2	20
21	64.7	64.5	64.3	64.5	64.0	64.5	...	64.5	64.0	65.0	65.3	64.7	65.5	65.3	64.3	64.5	21
22	65.0	64.7	64.5	65.0	64.5	64.7	...	64.7	64.5	65.0	65.5	66.5	65.5	66.0	64.5	64.8	22
23	65.0	65.0	65.0	65.0	65.0	65.0	..	65.0	65.3	65.0	65.5	64.5	65.5	65.5	64.5	64.8	23

* Driving defective.

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 1935.

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	519	525	530	520	533	540	537	540	551	537	545	541	530	530	513	521	Midnight
1h	520	527	528	522	535	538	537	553	557	535	543	542	535	531	520	525	1h
2	528	540	530	520	534	540	540	547	550	545	542	555	534	536	530	527	2
3	526	533	530	522	532	541	537	546	550	547	543	549	533	537	550	526	3
4	525	527	529	523	535	541	537	542	545	558	547	550	532	539	533	529	4
5	527	533	527	525	535	542	540	547	543	553	550	548	537	540	542	531	5
6	535	528	530	528	540	549	545	547	550	552	555	551	548	545	540	528	6
7	540	541	543	535	540	547	548	550	552	553	557	552	560	550	540	530	7
8	539	549	545	542	541	551	553	562	558	550	561	548	570	548	538	531	8
9	538	553	535	547	547	556	555	575	565	545	570	549	560	542	525	538	9
10	540	553	541	550	552	555	561	577	575	555	582	550	541	535	505	535	10
11	518	550	547	550	550	556	555	587	578	565	593	557	530	523	500	515	11
Noon	512	545	545	541	545	555	554	581	578	577	585	560	515	515	495	498	Noon
13h	523	525	540	538	542	545	557	575	570	575	575	549	517	527	493	510	13h
14	529	521	530	538	541	538	550	568	558	566	562	542	511	537	497	504	14
15	524	490	520	539	537	530	540	565	543	555	549	541	520	523	500	495	15
16	521	507	521	532	535	524	525	557	535	548	538	535	520	518	501	508	16
17	515	515	518	531	537	530	513	553	532	544	532	530	507	513	498	507	17
18	508	523	521	533	537	532	520	550	528	541	524	525	522	510	505	510	18
19	522	525	523	532	537	538	530	549	531	542	523	519	527	520	513	500	19
20	515	525	520	531	538	537	537	547	539	540	528	515	527	520	509	510	20
21	527	522	503	528	540	536	533	542	537	537	533	520	533	500	510	512	21
22	513	526	520	529	541	535	535	546	537	543	539	526	530	510	520	520	22
23	522	527	520	531	541	536	542	545	538	543	540	517	533	510	518	515	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	517	527	530	*...	525	541	531	*...	548	494	505	483	510	517	515	525·9	Midnight
1h	520	526	527	...	527	532	529	...	555	498	503	490	513	516	514	527·5	1h
2	530	529	525	...	529	531	529	...	565	500	515	495	515	516	516	530·9	2
3	523	531	532	...	529	533	529	...	550	505	520	503	517	520	514	531·4	3
4	520	530	535	...	530	538	527	...	553	510	515	510	515	517	517	531·5	4
5	519	529	535	...	531	534	529	...	540	513	520	515	513	515	518	532·2	5
6	521	532	538	...	533	532	532	...	555	515	530	535	516	520	522	536·4	6
7	521	536	549	...	541	532	540	...	563	520	537	535	518	527	527	540·9	7
8	521	535	550	542	546	528	541	...	555	525	530	535	520	532	528	542·5	8
9	529	533	547	545	550	524	550	...	555	530	527	537	518	538	527	543·4	9
10	531	531	542	550	552	526	*...	...	558	535	530	525	513	537	521	543·1	10
11	525	520	535	538	547	520	...	538	580	530	525	515	510	535	513	540·3	11
Noon	512	510	525	533	535	520	...	540	558	543	520	513	508	532	495	534·7	Noon
13h	504	505	520	520	533	512	...	549	554	530	500	505	500	527	483	529·8	13h
14	499	512	517	515	546	520	...	552	546	524	493	500	499	524	488	527·1	14
15	501	520	521	519	547	530	...	548	543	517	497	455	505	517	493	522·0	15
16	500	520	523	525	545	535	...	545	542	515	497	475	508	515	500	521·4	16
17	515	521	527	525	546	539	...	549	525	510	500	495	507	517	505	520·8	17
18	521	522	531	529	543	537	...	550	525	492	495	495	502	517	513	520·8	18
19	523	523	526	530	538	532	...	538	524	490	507	500	508	517	515	522·6	19
20	523	525	526	519	540	530	...	537	524	487	497	505	507	516	515	522·6	20
21	522	525	527	521	540	530	...	540	520	504	495	503	512	515	515	522·2	21
22	524	523	526	522	540	530	...	540	512	502	485	502	513	515	517	523·5	22
23	525	530	526	525	540	530	...	541	498	495	482	510	510	514	515	523·3	23

* Driving defective.

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

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

DECEMBER 1935

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	712	713	714	716	715	713	715	717	717	717	715	717	720	718	723	723	Midnight
1h	713	714	714	716	716	715	715	716	716	717	715	717	719	718	723	723	1h
2	712	713	716	717	716	714	715	717	717	717	715	717	719	718	723	723	2
3	712	713	716	717	716	715	716	718	718	717	716	717	720	718	720	722	3
4	712	713	716	717	716	715	717	719	719	718	716	717	720	718	721	721	4
5	713	713	715	717	717	716	718	719	720	719	717	718	720	718	720	721	5
6	713	713	717	716	716	719	720	721	724	722	721	721	720	718	719	721	6
7	713	713	717	717	715	719	718	723	723	727	724	724	720	716	723	723	7
8	716	713	716	718	717	716	713	721	713	723	721	725	721	714	723	725	8
9	718	712	719	720	717	717	713	720	708	715	710	723	721	716	728	729	9
10	718	710	718	721	717	716	713	712	703	703	698	716	720	717	726	729	10
11	715	710	714	723	709	712	708	704	696	685	687	706	718	710	725	726	11
Noon	710	709	713	723	707	711	708	704	696	676	688	704	715	704	723	725	Noon
13h	717	709	713	720	708	712	712	710	703	684	695	707	713	697	717	722	13h
14	704	709	711	719	709	712	712	714	710	693	703	707	711	697	714	713	14
15	704	710	712	718	712	713	713	715	714	702	709	707	710	704	716	713	15
16	707	713	713	718	714	714	717	715	718	708	717	711	713	713	720	717	16
17	709	717	713	707	714	715	720	717	719	711	720	717	717	716	723	720	17
18	710	716	713	714	713	714	719	717	717	713	717	718	716	717	723	721	18
19	708	713	713	715	712	713	717	716	715	711	716	717	715	718	720	725	19
20	710	713	713	715	712	713	716	715	714	712	717	717	716	719	720	723	20
21	711	713	713	714	712	715	716	716	714	713	717	719	718	722	723	723	21
22	712	713	715	715	713	715	716	717	715	715	717	719	718	723	723	723	22
23	712	713	712	715	713	715	715	717	716	714	717	720	717	723	722	723	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	720	717	717	718	716	716	716	713	718	722	720	717	713	714	716·9	Midnight
1h	723	721	718	718	717	717	716	716	713	717	719	720	717	714	714	717·0	1h
2	721	722	719	718	719	717	716	716	714	718	718	720	718	714	714	717·2	2
3	723	722	719	719	719	717	717	716	716	718	717	721	717	713	714	717·4	3
4	723	722	719	719	719	717	717	717	717	719	720	720	717	713	714	717·7	4
5	722	722	718	718	719	717	718	718	719	721	722	723	720	713	714	718·2	5
6	723	722	718	718	720	720	720	720	721	724	722	723	722	717	716	719·6	6
7	724	722	718	716	718	721	720	722	721	724	719	727	723	723	717	720·3	7
8	725	721	716	715	718	719	717	719	715	724	716	725	719	728	720	719·1	8
9	725	722	716	717	720	714	719	717	710	722	712	720	719	726	722	718·3	9
10	724	721	706	718	718	711	718	712	708	719	713	717	719	720	723	715·6	10
11	721	720	704	720	717	709	717	709	704	717	718	713	712	717	720	711·8	11
Noon	714	715	708	719	716	706	717	708	700	716	722	712	707	709	713	709·6	Noon
13h	706	707	710	716	715	706	717	710	703	713	724	713	703	708	705	709·5	13h
14	707	704	713	713	716	707	717	707	707	716	720	710	703	709	699	709·5	14
15	708	705	714	710	717	709	714	707	710	716	726	713	703	711	697	710·7	15
16	712	707	714	709	719	713	714	709	713	716	723	714	706	712	705	713·3	16
17	718	710	714	707	717	714	716	710	714	717	721	713	710	714	709	714·8	17
18	719	713	716	711	717	715	719	712	713	717	721	713	712	713	712	715·5	18
19	719	714	716	715	717	714	718	712	713	717	720	714	713	711	713	715·2	19
20	718	716	717	715	716	715	717	713	714	720	720	715	715	712	713	715·5	20
21	718	715	717	716	716	715	716	713	716	720	720	716	716	713	714	716·1	21
22	719	718	717	718	717	716	716	715	716	720	721	719	716	715	715	717·0	22
23	720	720	717	717	717	716	716	715	719	721	723	717	716	715	714	717·0	23

TABLE VI.—RESULTS OF METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of DECEMBER 1935.

Month and day 1935.	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	968·7	22·1	1·2	20·0	88	23·2	90	5·4	10	20·0	20·4	24·8	20·6	25·5	19·8	5·7	5·6	103	5·8	44
2	968·3	22·9	1·5	20·3	85	23·6	90	4·9	10	20·0	22·0	22·3	20·2	24·4	19·0	5·4	9·3	159	4·0	30
3	968·4	21·3	0·8	19·9	90	22·7	90	7·2	10	19·6	21·2	23·3	20·7	24·0	19·6	4·4	4·6	75	2·4	18
4	969·4	23·3	3·2	17·7	71	20·1	110	4·5	10	19·9	23·5	23·4	20·1	25·0	19·4	5·6	...	...	2·7	20
5	969·7	24·4	3·9	17·7	66	20·1	105	5·4	8	19·1	23·8	24·4	20·8	26·0	18·6	7·4	...	...	8·7	66
6	968·3	24·0	3·5	18·0	69	20·4	105	4·0	9	19·0	20·0	25·0	20·0	26·6	18·1	8·5	1·4	9	9·9	75
7	967·7	23·9	3·8	17·3	67	19·6	110	4·9	10	18·9	20·8	24·4	20·0	25·5	18·6	6·9	7·9	77	7·5	57
8	966·8	23·4	3·4	17·5	69	19·8	90	6·3	5	18·6	20·8	24·0	20·0	25·8	18·6	7·2	4·2	64	10·6	80
9	966·6	22·9	3·6	16·6	68	18·7	80	4·9	8	18·1	22·0	23·4	19·4	25·1	18·1	7·0	3·8	70	10·3	77
10	964·7	24·1	4·6	16·2	61	18·2	90	1·3	7	18·8	24·0	23·6	19·5	26·4	15·8	10·6	...	...	5·9	44
11	963·4	24·7	5·6	15·1	55	17·0	Calm		4	16·4	24·5	26·7	20·2	27·4	15·4	12·0	...	...	7·3	55
12	964·2	23·9	4·0	17·0	65	19·2	260	0·9	8	16·4	24·4	24·5	20·9	26·2	16·4	9·8	...	...	6·2	47
13	966·0	24·7	4·1	17·7	65	20·1	340	0·9	9	18·1	24·0	27·0	22·0	28·2	20·4	7·8	...	...	9·1	68
14	968·1	27·6	4·3	20·4	64	23·7	70	0·5	9	20·2	24·6	25·8	22·5	29·5	20·4	9·1	80·2	207	5·4	41
15	968·6	26·6	3·3	20·7	70	24·2	70	2·2	9	22·0	25·0	25·9	23·7	29·8	19·4	10·4	2·1	31	6·0	45
16	968·4	26·5	4·1	19·6	66	22·6	70	2·2	8	20·7	25·0	24·6	22·1	27·7	19·8	7·9	7·0	49	5·9	44
17	967·8	26·3	4·3	19·0	64	21·8	Calm		7	20·5	26·6	25·5	21·5	28·8	19·8	9·0	0·1	3	5·9	44
18	966·7	26·6	4·5	19·0	63	21·8	Calm		8	20·4	26·0	20·4	21·6	29·0	20·4	8·6	64·8	104	6·0	45
19	967·7	25·3	3·8	18·8	67	21·4	40	2·7	8	20·6	25·0	26·5	21·8	27·6	20·6	7·0	0·1	3	11·2	84
20	967·6	25·3	2·9	20·4	74	23·7	70	2·2	9	21·0	25·5	25·1	21·9	26·8	21·0	5·8	4·3	32	5·8	44
21	967·3	26·3	3·1	21·1	73	24·8	45	0·5	8	21·4	25·0	28·0	22·8	28·4	21·4	7·0	0·9	9	9·7	73
22	966·5	26·5	3·7	20·3	69	23·6	Calm		8	21·9	26·2	25·0	22·1	29·4	20·3	9·1	13·6	61	9·4	71
23	966·2	25·2	3·5	19·2	69	22·0	85	2·7	8	21·2	25·2	27·0	22·2	28·6	21·2	7·4	...	...	11·6	87
24	964·6	24·4	2·1	20·8	80	24·3	Calm		10	21·9	24·8	24·5	22·1	27·0	21·4	5·6	5·5	65	3·3	25
25	963·3	25·9	2·0	22·5	82	27·0	25	3·1	10	21·8	26·0	26·5	23·2	27·5	21·4	6·1	...	..	6·8	51
26	962·4	26·1	2·8	21·4	75	25·2	25	5·4	8	22·8	24·7	27·0	23·0	27·9	22·1	5·8	3·5	19	7·2	54
27	963·4	25·4	3·9	18·8	67	21·5	40	8·5	7	22·2	25·8	27·0	23·5	27·8	22·1	5·7	0·2	4	9·4	71
28	965·5	25·1	1·0	23·2	89	28·1	50	5·4	10	23·1	24·9	24·1	23·3	26·1	21·8	4·3	24·1	88	2·4	18
29	966·2	25·9	3·3	20·3	71	23·6	45	3·1	10	21·8	25·8	25·5	22·1	26·7	21·0	5·7	8·3	44	0·9	7
30	964·6	24·9	1·8	21·8	83	25·9	290	0·9	10	21·5	25·0	22·2	21·2	26·4	18·7	7·7	47·4	173	2·9	22
31	962·4	26·0	2·7	21·4	76	25·2	Calm		10	19·0	24·5	27·3	22·1	28·0	19·0	9·0	0·3	6	·5	71
Mean	966·4	24·9	3·2	19·3	71·7	22·3	...	2·9	8·0	20·2	24·1	25·1	21·5	27·1	19·7	7·4	299·2	1455	67·0	50·9
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	+	40·8mbs.	Amount of rain	—	202·1mms.
Temperature of the Air	+	3·2°C	Duration of sunshine	+	51·2hrs
Vapour Pressure	+	1·0mbs.	Mean of highest temperatures	+	3·7°C
Relative Humidity	—	9·4%	,, lowest temperatures	+	3·3°C
Velocity of Wind	+	1·0mps.	Absolute highest temperature	+	3·0°C
Amount of Cloud	—	1·4	,, lowest temperature	+	2·6°C
			Greatest Rainfall intensity		20mms. in 15 mins.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1935.

Month and Day 1935.	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)
	mbs.	mbs.	°C	°C	°C	°C	°C	°C	°C	°C			mbs.	°C	mm.	min		mm
Dec. 1	1009·6	+ 1·3	27·9	22·4	5·5	24·5	− 0·2	2·7	19·9	+ 0·9	76	+ 5	23·0	19·6	5·0	56	4·2	7·2
2	1009·4	+ 1·2	27·2	22·1	5·1	24·2	− 0·6	2·4	20·1	+ 1·0	78	+ 7	23·3	21·0	1·4	32	6·7	6·5
3	1009·4	+ 1·3	27·7	22·0	5·7	24·5	− 0·3	2·6	20·0	+ 0·9	76	+ 5	23·2	20·5	1·7	23	4·9	7·6
4	1010·7	+ 2·6	27·8	22·2	5·6	24·6	− 0·3	3·0	19·4	+ 0·2	73	+ 2	22·3	21·0	0·0	...	6·8	7·0
5	1011·0	+ 3·0	27·8	21·9	5·9	24·6	− 0·3	3·6	18·4	− 0·8	69	− 2	21·0	19·5	0·0	...	6·2	6·0
6	1009·4	+ 1·5	28·5	21·0	7·5	24·6	− 0·4	3·7	18·2	− 1·2	68	− 3	20·7	19·0	0·0	...	6·5	5·5
7	1008·2	+ 0·4	27·4	21·1	6·3	24·3	− 0·7	3·2	18·8	− 0·7	71	+ 0	21·5	17·9	1·6	20	7·0	6·0
8	1008·1	+ 0·4	28·6	20·3	8·3	24·4	− 0·7	3·6	18·2	− 1·4	68	− 3	20·7	18·8	0·6	12	6·7	5·9
9	1007·0	− 0·6	27·9	21·2	6·7	24·2	− 0·9	3·7	17·8	− 1·8	68	− 4	20·2	19·7	3·8	50	7·8	5·9
10	1005·2	− 2·3	28·5	20·5	8·0	24·5	− 0·7	4·1	17·5	− 2·2	65	− 7	19·8	16·5	0·0	...	7·9	5·2
11	1003·7	− 3·7	29·2	18·0	11·2	24·2	− 1·0	4·1	17·2	− 2·5	65	− 7	19·4	13·1	0·0	...	6·8	5·5
12	1005·4	− 2·0	29·8	20·2	9·6	25·0	− 0·2	3·9	18·4	− 1·3	67	− 5	21·0	17·2	0·0	...	5·8	5·8
13	1007·1	− 0·3	30·7	19·9	10·8	25·1	− 0·1	3·8	18·6	− 1·1	67	− 5	21·2	16·2	0·0	...	7·0	5·8
14	1008·6	+ 1·3	30·8	22·7	8·1	26·4	+ 1·1	3·2	21·0	+ 1·2	72	0	24·6	21·0	0·0	...	6·1	5·0
15	1009·3	+ 2·0	31·3	23·3	8·0	26·5	+ 1·2	2·9	21·6	+ 1·8	74	+ 2	25·5	20·5	0·5	15	9·0	5·5
16	1009·0	+ 1·8	30·4	21·8	8·6	25·8	+ 0·5	3·0	20·7	+ 0·7	74	+ 2	24·2	18·3	0·0	...	6·1	4·9
17	1008·3	+ 1·1	30·3	20·5	9·8	25·9	+ 0·5	3·2	20·4	+ 0·3	72	0	23·7	18·6	0·0	...	7·3	5·5
18	1007·5	+ 0·4	30·9	21·6	9·3	25·5	+ 0·1	3·0	20·4	+ 0·3	73	+ 1	23·7	17·0	0·0	...	6·3	5·5
19	1008·2	+ 1·1	30·4	22·1	8·3	26·2	+ 0·8	3·7	20·0	− 0·1	69	− 4	23·2	18·9	0·2	4	5·2	4·8
20	1008·2	+ 1·2	29·9	23·0	6·9	25·8	+ 0·4	2·5	21·5	+ 1·4	77	+ 4	25·4	22·1	4·4	53	6·0	7·0
21	1007·8	+ 0·8	30·1	23·9	6·2	26·2	+ 0·7	2·8	21·5	+ 1·3	75	+ 2	25·4	21·9	1·2	32	6·2	6·8
22	1007·3	+ 0·4	30·5	23·2	7·3	26·3	+ 0·8	3·0	21·2	+ 1·0	73	0	24·9	21·2	0·1	5	8·0	4·5
23	1006·2	− 0·7	31·0	22·3	8·7	26·3	+ 0·8	3·5	20·4	+ 0·2	70	− 3	23·7	19·5	0·0	...	6·6	3·4
24	1004·7	− 2·1	30·6	24·0	6·6	26·7	+ 1·1	2·9	21·8	+ 1·5	75	+ 2	25·9	21·0	0·2	8	7·4	5·6
25	1003·4	− 3·4	32·8	23·6	9·2	27·4	+ 1·8	3·1	22·2	+ 1·7	73	0	26·5	22·0	0·4	10	7·4	5·8
26	1003·1	− 3·7	32·2	24·8	7·4	27·7	+ 2·1	2·8	23·0	+ 2·5	76	+ 3	27·8	23·0	5·7	5	7·0	6·5
27	1004·6	− 2·1	31·3	25·1	6·2	27·7	+ 2·1	3·1	22·5	+ 2·0	73	0	27·0	24·2	0·0	...	6·3	5·9
28	1006·4	− 0·3	31·2	25·1	6·1	27·3	+ 1·7	2·4	23·3	+ 2·8	79	+ 6	28·3	23·6	1·8	22	7·2	5·6
29	1006·6	0·0	29·9	24·0	5·9	26·0	+ 0·3	2·2	22·3	+ 1·7	80	+ 7	26·7	22·5	2·8	70	4·0	8·5
30	1004·8	− 1·7	28·7	23·0	5·7	25·0	− 0·7	1·4	22·6	+ 2·0	86	+ 13	27·1	21·6	65·7	118	2·5	6·9
31	1003·1	− 3·4	31·0	22·1	8·9	26·3	+ 0·6	2·5	22·1	+ 1·5	78	+ 4	26·3	20·1	0·0	...	*	4·2
Mean	1007·2	− 0·1	30·8	23·0	7·8	25·6	+ 0·3	3·1	20·3	+ 0·4	72·9	+ 0·7	23·8	19·9	Sum 97·1	Sum 585	6·4	5·9
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 1935.

During the first days of the month, conditions remained very unsettled over the ocean under the influence of a strong Southerly anticyclone and the persistance to the North of the Agalega depression which however did not develop any further. Pressure kept consequently well above normal at Mauritius with generally strong trades over the Ocean, mostly cloudy and threatening weather and occasional sudden light showers. More normal conditions were resumed at Mauritius from the 5th till the 11th when a depression coming from the North-East passed to the North of Mauritius travelling South Westerly towards the East Coast of Madagascar, finally to move away Southerly.

On the 14th the onset of high pressure was again noted, with very heavy instability showers in some parts of the Island. At Vacoas 80 mms. were collected in 5 hours. At the same time temperature rose definitely and kept above normal till the end of the month.

On the 24th an extension of the equatorial 'low' Southwards was observed; an extensive region of low pressure subsequently developed over Madagascar, into which a small but very intense cyclonic centre formed on the 26th. This moved S.S.E. passing between Reunion and Madagascar on the 28th. Pressure remained low with high humidity and heavily covered sky for the remaining days of the month.

Evaporimeter overflowed.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1935.

Month and Day 1935.	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
DECEMBER	hrs.	%	mp.s.	mp.s.	°C.	°C.	°C.	°C.	0h. 3h. 6h. 9h. 12h. 15h. 18h. 21h. 24h
1	8·3	63	3·7	+ 0·4	24·1	24·8	26·2	26·8	bcl . c . cr₀r₀ : cr₀ . bcq₀ : bc .
2	7·2	55	3·4	+ 0·1	24·1	24·7	26·2	26·8	bcr₀r₀ . bc : c : cr₀ : bcr₀ .
3	6·7	51	4·4	+ 1·1	24·1	24·9	26·3	26·9	bcd₀d₀ c . cr : cq . c : bc .
4	3·6	27	3·6	+ 0·3	24·2	24·7	26·3	26·8	bc. : c ; bc .
5	8·7	66	3·6	+ 0·3	24·1	24·8	26·3	26·8	bc : c .
6	11·1	84	3·1	— 0·2	24·1	24·7	26·3	26·9	bc .
7	7·8	59	3·3	0·0	24·2	24·7	26·4	27·0	b : bc : c : cr₀ .
8	12·1	92	3·5	+ 0·2	24·1	24·9	26·4	26·9	bcd₀ : bc ; bcd₀ : bcq₀ : bc .
9	11·3	85	3·7	+ 0·4	24·1	24·8	26·4	26·9	cgr₀r₀ : bc : b .
10	9·6	72	2·3	— 1·1	24·1	24·8	26·4	27·0	b : bc : c .
11	8·8	66	2·1	— 1·3	24·2	24·8	26·4	26·9	b : bc : c .
12	9·4	71	1·4	— 2·0	24·2	24·9	26·5	26·9	c : bc .
13	8·4	63	1·8	— 1·6	24·2	25·3	26·5	27·0	bc : c : bc .
14	11·2	84	2·6	— 0·8	24·1	25·2	26·5	27·2	bc .
15	8·8	66	1·9	— 1·5	24·1	25·0	26·6	27·5	bc : cr₀ : bc : bct . bc : b .
16	10·6	80	2·2	— 1·2	24·2	25·0	26·8	27·8	b : bc : c : bc : b .
17	6·2	47	1·4	— 2·0	24·2	25·0	27·0	28·0	b : bc : c : bc .
18	6·0	45	1·6	— 1·8	24·2	24·9	27·1	27·9	bc :cgtl cg : bcg : b .
19	11·1	83	2·9	— 0·5	24·2	25·2	27·1	27·9	bd₀ . bc .
20	8·0	60	3·4	0·0	24·2	25·0	27·2	28·0	bc : bcr₀ . c : cr₀t . cr₀l : cr₀ .
21	8·3	62	3·2	— 0·2	24·2	25·1	27·2	28·0	bc : c . cl : cr₀ .
22	9·1	68	2·5	— 0·9	24·2	25·1	27·3	28·2	bcd₀ : bc : ct : b .
23	10·5	79	2·9	— 0·5	24·3	25·1	27·4	28·5	b ; bc : b .
24	9·8	74	2·9	— 0·5	24·3	25·2	27·5	28·5	bc : c : bc ; bcd .
25	10·3	77	3·0	— 0·4	24·2	25·2	27·6	28·5	bd : bc : c : bc .
26	8·0	60	3·9	+ 0·5	24·2	25·2	27·6	28·9	bcd₀ : bc : cr₀r₀ cl : bc .
27	10·5	79	4·6	+ 1·2	24·3	25·3	27·7	28·8	bcl : bc : c : bc : bcl : bc .
28	5·0	38	3·2	— 0·1	24·3	25·2	27·8	28·7	bd₀ : bc : cr₀ : cg : c . bc .
29	0·5	4	2·1	— 0·8	24·4	25·2	27·9	28·5	bc : or₀r₀ : o : ot : o : cr₀ .
30	2·5	19	1·3	— 2·0	24·2	25·3	27·9	28·2	bcr₀ . c : oRR : cr : b .
31	11·5	86	1·9	— 1·4	24·3	25·3	27·8	27·8	b₀ : bc : b .
Mean	8·42	63·4	2·82	—0·54	24·19	25·00	26.92	29·63	.....
Average	8·35	62·6	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 1935.

	Highest		Date	Lowest		Date
Atmospheric Pressure	1012·1mbs	at 22·00 hrs.	on 4th	1001·9mbs	at 15 & 16hrs.	on 31st
Temperature of the Air	32·8°C	at 13·30hr.	on 25th	18·0°C	at 05·10hrs.	on 11th
Daily range of temperature of the Air ...	11·2°C	...	on 11th	5·1°C	..	on 2nd
Temperature of the Dew Point	25·3°C	at 17.00hrs.	on 26th	14·3°C	at 05·00hrs.	on 11th
Daily range of temperature of the Dew Point	5·2°C	...	on 11th	1·5°C	...	on 17th
Minimum on Grass	...	...	...	13·1°C	...	on 11th
Relative humidity	95·0%	at 14·00hrs.	on 30th	46·6°C	at 13·00hrs.	on 19th
Vapour Pressure	31·9mps.	at 17.00hrs.	on 26th	16·2mbs.	at 05.00hrs.	on 11th
Evaporation in 24 hours...	9·0mms	...	on 15th	2·5mm	...	on 30th
Wind Velocity	7·4m.p.s.	at 12 & 13hrs.	on 27th	0·6mps	...	often
Rainfall in 24 hours	66·1mms.	ending 19hrs.	on 30th	...	...	..
Duration of sunshine	12·1hrs	...	on 8th.	0·5hr.	...	on 29th

Mean Day Temperature of Air, 27·63°C. Average 27·69°C. Mean Night Temperature of Air, 23·60°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
...	1	23	7	...	6	8	2	...	1	6	...

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 1935.

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	107	099	109	114	110	092	086	081	067	048	050	069	090	092	099	Midnight
1h	086	099	090	102	109	103	085	081	078	061	043	048	063	084	087	094	1h
2	083	091	085	099	103	096	080	080	074	059	039	041	060	079	084	090	2
3	081	089	081	100	101	091	080	076	071	054	035	039	056	073	085	085	3
4	082	086	081	100	103	091	081	078	073	056	030	040	055	074	086	086	4
5	086	088	080	099	106	092	083	081	074	058	032	046	057	080	087	087	5
6	094	094	090	107	111	098	086	087	079	060	037	051	062	086	093	091	6
7	102	096	093	111	116	101	087	089	080	061	040	056	070	091	096	095	7
8	103	100	099	114	119	104	088	090	081	060	041	056	071	093	097	099	8
9	104	100	100	115	120	101	085	089	081	060	040	055	074	096	102	097	9
10	105	097	098	116	118	100	085	087	080	057	039	060	074	096	103	095	10
11	101	094	096	111	114	096	081	086	075	050	034	059	071	093	100	091	11
Noon	100	091	091	110	109	091	077	080	071	049	033	057	070	089	094	089	Noon
13h	096	086	090	103	106	089	074	075	067	046	030	053	070	082	090	082	13h
14	090	084	087	100	101	082	071	071	061	040	027	050	070	077	090	079	14
15	087	080	083	096	100	078	070	067	053	038	026	046	065	073	084	076	15
16	087	080	082	094	100	077	069	069	051	033	024	046	064	075	081	077	16
17	090	086	086	097	101	078	071	070	053	036	028	050	068	074	084	078	17
18	097	093	095	105	107	085	078	075	060	041	032	051	074	080	091	085	18
19	103	099	102	110	111	091	085	080	066	048	039	056	080	089	096	090	19
20	108	101	108	117	116	097	092	084	068	050	041	062	087	095	100	093	20
21	111	105	112	119	116	100	092	085	070	051	046	068	092	100	101	098	21
22	113	108	116	121	120	100	094	090	070	052	051	071	097	106	103	099	22
23	110	105	114	118	114	098	090	085	070	051	051	071	092	102	101	098	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	090	080	081	090	082	082	072	059	047	031	040	056	071	061	040	1007·7	Midnight
1h	082	073	076	083	081	079	067	051	040	029	032	056	068	055	031	1007·2	1h
2	080	070	074	079	080	073	060	049	037	025	031	054	061	049	027	1006·8	2
3	079	068	074	076	074	071	056	044	032	022	030	053	061	044	023	1006·5	3
4	080	069	072	078	071	069	058	043	031	025	030	057	063	049	025	1006·5	4
5	081	071	078	080	077	070	061	041	036	027	036	061	068	052	029	1006·8	5
6	085	077	082	082	087	072	068	048	040	027	044	069	073	057	032	1007·3	6
7	087	079	084	087	090	076	070	050	043	030	050	070	076	059	032	1007·6	7
8	087	080	089	089	090	078	071	051	044	030	050	070	080	057	034	1007·8	8
9	088	080	090	090	087	079	071	051	043	031	050	070	075	056	035	1007·8	9
10	089	078	087	090	089	079	071	052	042	034	050	070	074	056	037	1007·8	10
11	083	071	087	088	084	075	070	051	040	032	051	070	070	051	034	1007·4	11
Noon	081	070	082	081	080	071	066	050	034	031	050	068	065	046	031	1007·4	Noon
13h	081	068	080	081	070	067	061	046	030	030	043	063	060	045	028	1006·7	13h
14	079	069	080	075	062	064	053	040	025	024	039	060	056	042	022	1006·4	14
15	073	070	072	070	061	061	050	034	022	021	039	059	051	039	019	1006·0	15
16	073	068	071	070	061	061	050	033	020	021	040	059	054	034	019	1005·9	16
17	075	069	076	071	062	061	051	035	020	021	042	058	058	037	021	1006·2	17
18	080	071	081	078	070	070	054	040	025	028	047	062	061	039	026	1006·7	18
19	082	076	089	081	073	076	061	047	030	033	053	070	069	042	029	1007·3	19
20	086	081	090	085	080	080	062	050	033	040	061	072	071	045	036	1007·7	20
21	089	085	091	090	085	083	066	052	036	046	066	074	070	046	040	1008·0	21
22	088	088	095	091	089	082	067	059	037	049	069	071	070	045	041	1008·2	22
23	086	085	094	090	086	080	061	054	039	048	064	071	068	045	041	1008·0	23

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

Hour. \ Day.	DECEMBER 1935.																															
	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	3	5	5	4	4	2	6	8	3	4	8	4	4	4	2	3	6	3	4	6	6	2	4	3	4	3	3	2	7	0	4·0
1h	4	4	5	7	4	4	2	7	8	3	4	9	5	3	6	2	4	7	3	4	5	6	3	4	3	4	4	2	5	6	0	4·4
2	4	3	6	4	2	2	2	5	8	4	2	7	4	3	7	1	2	5	3	4	4	7	1	2	2	4	3	2	2	5	0	3·5
3	6	3	6	3	2	2	2	4	9	4	1	7	7	6	8	1	2	3	3	5	4	4	1	2	2	4	0	2	3	5	0	3·8
4	7	6	6	4	2	3	2	5	9	3	1	8	6	8	8	1	2	3	3	6	4	6	3	3	3	5	4	5	7	9	1	4·6
5	10	6	9	4	4	5	5	7	8	2	4	7	6	4	8	4	2	3	4	7	4	4	4	4	3	6	5	8	10	9	5	5·5
6	9	6	8	4	4	5	6	8	5	2	5	7	6	8	8	4	3	5	4	3	5	4	2	6	3	7	5	9	10	9	8	5·7
7	9	6	7	3	4	6	7	7	6	2	4	6	6	6	7	6	4	5	5	5	7	4	5	5	6	7	6	9	10	8	6	5·9
8	9	6	7	8	5	8	7	4	6	3	4	2	6	3	5	6	5	6	5	7	7	4	5	5	9	7	7	8	10	7	7	6·1
9	9	6	8	9	5	7	7	5	4	3	3	4	6	6	6	6	7	6	7	7	8	5	5	6	8	7	8	8	10	8	7	6·5
10	9	7	8	9	6	7	8	6	3	2	4	7	6	6	6	6	5	5	7	7	8	5	6	6	8	7	8	7	10	9	6	6·6
11	9	8	8	9	7	7	9	7	7	3	5	7	6	4	5	6	8	5	6	8	7	5	5	6	8	7	7	8	10	9	6	6·8
Noon	9	9	7	9	7	7	8	7	8	5	6	7	6	5	4	7	8	6	5	8	7	5	5	7	7	7	7	8	10	9	7	7·0
13h	9	9	8	9	7	7	8	7	7	7	7	7	6	5	4	8	9	8	5	8	7	5	5	8	7	6	7	9	10	10	7	7·3
14	7	9	8	9	8	7	9	6	7	8	8	5	6	5	7	8	9	9	6	8	8	5	5	7	7	7	9	9	10	10	7	7·5
15	7	8	9	9	7	7	9	6	7	8	8	6	6	6	5	9	9	9	7	9	8	8	4	7	8	8	9	9	10	10	7	7·7
16	6	7	9	9	8	7	8	6	6	8	8	5	8	6	6	8	9	8	5	9	9	8	4	8	8	8	8	9	10	10	7	7·6
17	7	8	9	9	8	7	5	5	5	7	8	4	8	6	7	8	9	8	6	9	7	5	3	8	7	8	7	9	10	9	4	7·1
18	7	8	9	8	8	8	5	4	4	8	9	5	8	6	8	8	8	8	6	9	8	3	2	8	7	8	6	10	10	8	3	7·0
19	6	7	9	9	9	7	4	4	3	8	8	4	9	4	8	4	9	7	5	9	8	6	4	6	7	8	7	10	10	8	3	6·8
20	6	7	9	9	9	5	10	9	3	8	7	5	3	4	2	4	4	3	4	7	9	1	2	6	7	7	4	3	8	1	3	5·5
21	8	7	9	8	9	4	5	5	4	8	6	6	3	4	1	3	3	3	4	8	10	1	1	5	6	7	4	6	8	1	2	5·1
22	7	7	7	7	9	4	6	5	3	8	7	5	4	4	1	2	3	3	4	8	7	1	1	5	7	6	4	3	7	1	2	4·8
23	6	5	6	5	7	3	6	6	3	6	8	4	4	4	2	3	3	3	4	9	7	3	3	6	5	7	3	4	8	2	2	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.	DECEMBER 1935.																															
	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	5	0	0	3	0	10	0	0	5	3	0	10	10	10	10	0	0	0	5	5	0	0	0	0	0	0	10	1·4
7	0	3	10	50	60	20	43	60	5	60	40	55	50	50	27	55	50	50	50	25	40	47	50	50	50	15	40	25	0	43	50	19·6
8	5	40	10	50	60	47	50	60	60	60	60	60	60	60	18	60	60	40	60	50	18	60	60	45	55	10	55	30	0	42	60	23·4
9	48	60	20	15	60	60	50	60	60	60	60	50	60	60	40	60	60	60	55	60	45	60	45	60	60	33	55	60	10	5	40	25·5
10	50	60	50	50	60	60	55	60	60	60	40	35	60	60	60	60	60	60	60	40	25	60	60	60	60	60	60	45	15	25	40	26·8
11	35	45	60	15	60	60	20	60	60	60	60	10	60	60	60	60	57	60	60	60	50	60	60	60	60	60	55	40	5	0	57	25·5
Noon	50	15	45	0	47	60	25	60	60	45	60	5	60	60	60	60	10	45	60	60	60	60	60	60	50	60	28	3	0	60	23·2
13h	60	32	60	12	42	60	35	60	60	20	58	33	60	60	60	60	0	15	60	30	60	60	60	50	50	57	60	20	0	0	60	22·6
14	60	25	60	25	35	60	5	60	60	25	50	60	28	60	55	60	3	0	60	55	60	45	60	57	60	60	60	25	0	0	45	22·0
15	55	50	45	0	35	60	27	60	60	10	35	60	40	60	55	60	18	0	60	45	45	0	45	57	45	60	55	20	0	5	60	20·5
16	60	60	33	0	40	60	50	60	60	40	35	60	20	57	55	45	10	0	55	30	45	23	8	35	55	50	47	0	0	5	60	19·3
17	47	28	5	0	15	58	50	57	60	60	8	60	0	60	30	45	0	0	60	10	35	40	57	30	50	10	55	0	0	0	60	16·5
18	25	12	5	0	0	58	50	60	60	55	20	60	0	18	10	0	35	8	15	15	8	28	57	10	20	8	30	5	0	25	60	12·9
19	5	0	0	0	0	2	10	5	15	10	0	0	0	2	0	0	0	15	0	0	5	0	0	10	0	0	0	0	0	0	25	2·0

The total Amount of Registered Sunshine was 260.9 hrs. and the total possible sunshine was 411·5 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 1935.

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	22·9	1·8	22·9	1·1	22·3	1·4	23·8	1·8	22·2	1·4	23·0	2·3	22·4	1·6	22·3	1·3	Midnight
1h	22·8	1·5	22·6	1·0	22·2	1·2	23·2	1·4	22·1	1·4	22·3	2·1	22·0	1·6	22·1	1·3	1h
2	22·5	1·3	22·3	1·0	22·3	1·1	23·0	1·8	22·2	1·6	22·0	2·0	21·6	1·6	21·6	1·8	2
3	22·5	1·4	22·1	1·0	22·4	1·1	22·3	1·2	22·6	1·9	21·1	2·0	21·7	1·7	21·1	1·6	3
4	22·9	1·7	22·2	1·1	22·3	1·2	22·6	1·7	22·1	1·8	21·1	2·1	21·8	1·8	20·8	1·6	4
5	23·1	1·4	22·2	1·1	22·8	1·5	22·9	1·9	22·0	1·9	21·2	1·9	21·7	1·7	20·7	1·7	5
6	23·3	1·3	22·6	1·2	23·1	1·3	23·0	1·9	22·1	1·9	22·0	2·0	21·5	1·5	21·2	1·9	6
7	23·0	1·0	23·9	2·0	23·8	2·1	24·8	2·8	24·4	3·3	24·0	3·0	24·2	2·4	24·0	3·5	7
8	23·1	0·9	25·3	2·7	24·0	1·3	26·0	3·7	25·8	4·3	25·8	3·9	25·8	3·8	25·3	4·6	8
9	25·1	2·4	26·2	3·5	24·0	1·9	26·0	3·8	26·4	4·6	26·2	4·4	25·9	4·5	26·0	4·9	9
10	25·6	2·7	26·9	4·3	25·9	3·2	26·9	4·5	27·0	5·0	27·1	6·0	26·9	5·1	26·3	5·0	10
11	26·2	3·4	26·9	4·6	26·3	4·0	26·8	4·5	27·2	5·6	27·4	6·2	26·6	4·6	26·3	4·5	11
Noon	26·9	3·9	27·0	4·4	27·0	4·6	26·9	4·6	26·6	5·6	28·0	6·0	27·4	5·3	27·0	5·0	Noon
13h	27·5	5·3	26·2	4·1	27·2	4·8	27·2	4·6	27·2	5·7	28·0	6·3	26·7	4·6	28·0	6·8	13h
14	27·2	5·3	26·9	4·8	27·2	4·8	27·0	5·0	27·1	5·6	28·2	7·2	26·8	5·2	28·0	6·4	14
15	27·5	5·5	26·9	4·8	27·0	4·8	26·2	4·4	27·0	5·9	28·1	6·4	27·1	5·1	27·2	5·7	15
16	27·2	5·5	26·3	4·2	26·2	4·2	26·0	4·1	27·0	5·9	27·1	5·1	26·9	5·7	27·0	5·6	16
17	26·0	4·0	24·0	2·0	26·0	3·9	25·5	3·7	25·6	4·6	26·2	5·2	26·7	5·7	26·3	5·3	17
18	25·0	3·2	23·6	2·0	25·1	3·1	24·9	3·4	25·0	4·0	25·3	4·0	25·3	4·2	25·7	4·7	18
19	24·1	2·5	23·0	1·7	24·8	2·7	24·1	2·5	24·1	3·5	24·2	3·0	24·0	2·9	24·0	3·5	19
20	23·6	2·4	23·2	1·4	24·4	2·4	23·6	2·4	23·9	3·1	23·6	2·6	22·5	1·4	23·4	2·6	20
21	23·3	2·1	23·0	1·7	24·1	2·2	23·4	2·3	23·7	2·9	23·0	2·0	22·3	1·5	23·8	2·8	21
22	23·4	2·1	23·0	1·2	23·9	2·1	23·0	2·0	23·4	2·6	22·8	2·1	22·0	1·7	23·4	2·3	22
23	23·2	1·5	22·4	1·2	23·9	2·0	22·8	2·0	23·3	2·4	22·8	2.0	22·5	1·6	22·9	1·8	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	22·8	1·8	22·1	2·6	21·7	2·7	22·0	2·3	22·0	2·0	23·0	1·7	24·7	1·7	23·3	1·3	Midnight
1h	22·3	1·3	21.3	1·6	20·5	2·2	21·8	2·3	21·3	1·7	22·8	1·5	24·1	1·4	22·8	1·1	1h
2	22·5	2·3	21·6	2·5	20·0	2·0	21·6	2·2	21·6	1·8	23·0	1·3	23·9	1·2	22·1	1·1	2
3	21·5	1·4	21·1	2·2	19·5	2·0	21·4	2·1	21·0	1·8	23·1	1·3	23·9	1·2	22·0	1·0	3
4	21·6	1·2	21·0	2·1	18·4	1·7	21·2	2·0	20·4	1·4	23·2	1·2	23·9	1·2	22·0	1·1	4
5	21·9	1·3	21·0	2.5	18·0	2·0	21·0	1·5	20·1	1·2	23·0	1·0	23·7	1·3	21·9	0·9	5
6	22·3	1·7	21·2	2·4	18·3	1·8	21·0	1·2	20·7	1·6	23·5	1·3	23·9	1·4	22·9	1·0	6
7	23·9	3·1	23·6	3·7	22·0	3·0	24·0	4·0	23·9	2·7	25·5	2·3	25·8	1·9	25·6	1·8	7
8	25·1	3·8	25·3	4·8	25·0	5·2	26·0	5·6	25·5	3·3	27·1	3·4	26·2	2·2	26·7	3·1	8
9	25·9	4·8	26·3	5·4	27·2	6·2	27·2	6·6	27·8	5·7	28·0	4·1	27·2	2·9	28·1	4·4	9
10	26·9	5·6	27·2	6·2	28·0	6·8	27·2	5·2	29·0	6·1	29·0	4·9	28·6	3·8	29·0	5·0	10
11	27·1	5·8	27·9	6·9	28·6	6·5	27·2	5·1	29·7	7·5	29·3	5·0	29·6	4·7	29·2	5·1	11
Noon	27·0	5·3	27·3	5·3	28.3	6·2	27·2	4·4	30·2	7·2	29·7	5·5	30·4	5·4	29·0	4·4	Noon
13h	27.1	5·9	27·3	5·2	29·0	7·0	28·7	5·5	29·7	7·2	30·0	5·9	30·1	5·5	30·0	5·5	13h
14	27·4	6·3	27·0	5·4	29·2	7·1	29·8	6·4	28·3	6·1	30·4	5·6	30·0	5·4	29·2	5·0	14
15	27·0	5·9	26·3	5·2	28·0	6·1	29·0	6·8	29·0	6·0	29·8	5·5	30·7	6·1	29·1	5·1	15
16	26·6	5·8	27·9	5·8	27·8	6·7	28·6	5·8	28·2	5·7	29·2	5·3	29·3	5·2	28·4	5·3	16
17	25·9	5·7	28·0	6·0	27·4	6·2	27·5	5·4	27·2	5·1	28·9	4·9	28·8	5·0	27·7	4·8	17
18	24·7	4·7	26·6	4·7	26·2	4·2	27·2	4·9	27·0	5·0	27·3	3·5	27·6	3·6	26·7	3·7	18
19	23·2	3·3	25·3	4·3	25·3	3·4	25·2	3·2	25·3	3·3	26·1	2·8	26·6	2·8	25·8	2·8	19
20	22·3	2·5	24·1	3·6	24·2	3·1	24·6	2·8	24·3	2·4	25·7	2·5	25·7	2·1	25·0	2·1	20
21	22·3	2·6	23·6	3·4	23·3	2·7	24·2	2·9	23·9	2·3	25·0	1·9	24·8	1·7	24·3	1·7	21
22	22·4	3·0	22·2	2·6	22·7	2·3	23·3	2·3	23·3	1·9	25·1	2·0	24·1	1·6	24·0	1·6	22
23	22·1	2·8	22·0	2·9	22·1	2·3	23·1	2·3	22·9	1·8	25·1	2·0	23·7	1·5	23·9	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*)

DECEMBER 1935.

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	23·2	1·2	23·0	1·7	23·9	2·0	24·1	1·8	24·1	1·2	24·7	1·5	24·0	1·9	24·9	1·8	Midnight
1h	23·3	1·3	22·9	1·6	23·6	1·8	23·6	1·5	24·1	1·4	24·2	1·1	23·6	1·6	25·0	1·9	1h
2	22·9	1·2	22·9	1·3	23·4	1·7	23·6	1·6	24·1	2·0	24·3	1·3	23·5	1·5	24·3	1·3	2
3	22·7	1·4	22·3	1·3	23·2	1·5	23·2	1·2	24·0	1·9	24·1	1·1	23·1	1·4	24·1	1·1	3
4	22·0	1·2	22·0	1·2	22·9	1·6	23·4	1·3	24·0	1·9	24·0	1·1	22·8	1·4	24·0	1·0	4
5	21·8	1·5	21·7	1·4	22·6	1·5	23·1	1·0	24·1	2·1	23·5	1·1	22·3	1·1	24·0	1·0	5
6	22·2	1·4	22·3	1·0	23·1	1·5	23·2	1·1	23·9	1·9	23·7	1·1	23·1	1·4	24·1	1·1	6
7	25·1	2·3	25·4	2·3	25·8	2·8	24·4	1·2	25·6	2·5	25·9	1·8	25·6	2·5	26·0	1·9	7
8	26·8	3·4	27·2	3·8	27·4	4·2	26·4	2·4	26·6	3·4	27·2	3·1	27·2	4·0	27·0	2·9	8
9	27·9	4·3	28·6	4·8	27·9	4·7	27·8	3·4	27·2	3·2	28·3	4·3	27·1	4·0	28·3	4·1	9
10	28·9	5·4	29·7	6·3	28·7	5·5	27·3	2·6	27·9	3·9	29·0	5·0	29·0	5·8	29·1	4·3	10
11	29·9	5·8	29·6	6·0	29·2	6·0	28·0	3·9	29·0	4·7	29·5	5·5	29·9	6·9	29·6	5·3	11
Noon	29·2	5·5	30·2	6·2	29·4	6·3	29·1	4·8	29·8	5·3	29·9	5·9	29·4	6·2	30·0	5·0	Noon
13h	29·4	5·6	28·5	5·2	30·2	7·7	28·1	4·0	29·9	5·3	30·1	6·0	30·3	6·6	29·1	4·8	13h
14	30·0	5·5	26·0	2·9	29·8	6·6	29·2	4·6	29·7	5·1	29·2	5·2	30·5	6·7	30·2	5·9	14
15	30·1	5·9	25·9	2·4	29·4	5·6	28·8	4·2	28·5	4·4	28·6	4·1	29·1	5·8	29·6	5·1	15
16	28·1	4·6	26·0	2·7	28·6	5·3	27·8	3·8	28·6	4·9	28·1	4·0	28·3	5·3	28·6	4·7	16
17	28·0	4·3	27·2	3·5	28·2	5·3	27·2	3·8	27·3	3·5	28·1	4·3	28·3	5·2	28·3	4·3	17
18	28·0	4·3	26·8	3·8	27·0	4·5	26·6	3·1	27·1	3·1	26·9	4·3	27·1	4·1	27·0	3·2	18
19	26·5	3·4	25·8	3·1	26·1	3·6	25·2	2·2	25·1	1·5	25·7	2·9	25·9	2·9	26·5	2·6	19
20	24·9	2·2	24·7	2·3	25·2	2·5	25·3	2·5	25·0	1·2	24·8	2·3	25·2	2·2	25·3	1·6	20
21	24·1	1·9	24·6	2·5	24·3	1·8	24·6	1·5	24·7	1·3	24·4	2·2	25·0	2·0	25·1	1·1	21
22	23·7	1·6	24·1	1·8	24·2	1·9	25·0	2·0	24·3	1·6	24·1	2·0	24·9	1·9	24·9	1·0	22
23	23·5	1·5	24·1	1·6	24·2	2·1	24·3	1·4	24·4	0·9	24·0	1·9	24·8	1·8	24·7	1·1	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 of Air over Evap.	Day. / Hour.
Midnight	24·7	1·4	26·1	1·8	25·9	1·6	26·0	1·3	25·5	1·4	24·4	1·1	23·0	1·0	23·6	1·7	Midnight
1h	24·2	1·1	26·1	1·8	25·9	1·6	26·1	1·3	25·2	1·1	24·4	1·1	22·7	1·0	23·3	1·5	1
2	24·6	1·4	25·6	1·3	25·7	1·6	26·1	1·3	25·0	1·1	24·0	1·0	22·5	1·0	23·1	1·5	2
3	24·0	1·1	25·3	1·1	25·5	1·5	26·0	1·3	24·6	0·6	23·8	1·0	22·2	1·0	22·8	1·4	3
4	23·8	1·1	25·3	1·3	25·3	1·7	25·2	1·2	24·8	0·8	23·5	1·0	22·3	0·8	22·7	1·4	4
5	23·9	1·0	25·1	1·1	25·2	1·7	25·2	1·0	24·4	0·8	25·2	1·0	22·7	0·8	22·6	1·4	5
6	24·1	1·0	25·1	1·0	25·5	1·8	25·8	1·2	24·5	0·7	23·3	1·0	23·0	1·0	22·9	1·4	6
7	26·5	1·8	26·2	1·4	27·0	2·8	27·0	2·0	25·2	1·2	25·1	1·6	24·9	1·1	24·9	2·3	7
8	27·2	2·2	27·7	2·8	27·8	3·5	26·9	1·7	26·0	2·0	26·0	2·0	27·1	2·0	26·2	3·2	8
9	28·7	3·9	29·0	3·9	28·2	3·5	28·7	3·2	27·8	3·2	27·9	3·4	28·4	2·9	27·3	4·1	9
10	30·3	5·0	30·0	4·7	29·3	4·3	29·2	4·0	28·5	4·5	28·4	3·7	28·1	3·7	28·1	4·8	10
11	30·3	5·2	30·3	5·1	29·8	4·8	28·5	2·8	29·1	5·1	27·5	2·9	30·1	4·3	28·5	5·1	11
Noon	30·4	5·4	31·9	6·0	31·0	5·7	30·0	4·3	29·0	4·4	26·4	2·3	30·3	4·2	28·8	5·2	Noon
13h	31·8	5·9	30·6	5·0	30·8	5·7	29·2	3·7	26·9	2·7	23·7	0·5	30·3	4·5	28·7	5·3	13h
14	31·7	6·7	32·0	6·1	30·6	5·5	30·6	4·6	28·0	4·1	24·3	0·4	30·1	4·4	28·8	5·4	14
15	31·1	5·9	31·0	5·5	30·8	5·7	30·4	5·1	27·7	3·8	25·2	1·3	30·3	4·8	28·5	5·2	15
16	30·2	5·2	31·0	5·2	29·2	4·3	29·1	4·1	27·6	3·7	26·6	2·1	30·0	5·0	28·0	4·9	16
17	28·6	4·0	27·3	1·2	29·0	4·1	28·2	3·4	26·5	2·8	26·0	1·2	29·0	4·3	27·3	4·3	17
18	28·1	3·4	27·3	1·3	28·1	3·6	27·6	2·8	25·0	2·0	26·6	1·7	28·3	3·6	26·5	3·6	18
19	27·4	2·9	26·8	2·0	27·2	2·6	26·6	2·1	24·7	1·7	25·3	1·1	27·0	2·8	25·4	2·8	19
20	27·0	2·7	26·4	1·7	27·0	2·2	26·1	1·8	24·6	1·5	24·7	1·0	25·6	1·7	24·7	2·2	20
21	26·4	2·3	26·3	1·5	26·9	2·0	26·0	1·8	24·8	1·5	23·9	0·9	24·9	1·4	24·3	2·0	21
22	26·3	2·2	26·1	1·5	26·6	1·7	25·8	1·5	24·3	1·2	23·8	0·8	24·1	1·2	24·0	1·8	22
23	26·2	2·1	26·0	1·6	26·3	1·5	25·9	1·7	24·1	1·1	23·6	1·0	23·6	1·3	23·8	1·7	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER during DECEMBER 1935.

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 1935.

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	2·0	10	2·7	11	3·2	09	3·5	10	3·0	11	2·0	11	2·0	c9	3·3	11	1·8	12	2·9	14	2·5	10	0·7	r13	0·9	09	1·8	10	1·2	10	0·7
1h	12	1·2	10	2·1	12	3·5	09	3·3	10	2·8	11	1·6	11	1·8	10	3·0	11	2·4	10	2·2	14	1·9	10	0·6	13	1·1	09	1·9	10	1·3	10	0·9
2	10	2·4	10	1·8	11	3·5	09	3·3	10	3·4	11	1·7	11	1·8	11	2·2	11	2·5	10	1·8	14	1·8	10	0·7	13	1·1	09	2·3	11	1·8	10	0·8
3	11	2·5	10	2·3	10	3·7	09	2·7	10	3·0	11	1·8	11	1·9	10	2·5	12	2·3	11	1·5	14	2·3	10	1·1	13	1·1	09	2·9	11	0·8	10	0·9
4	11	3·0	10	2·3	10	3·0	09	3·9	10	3·5	11	1·6	11	1·9	10	1·7	11	1·9	11	1·1	14	1·1	10	1·1	13	1·6	09	2·6	11	0·8	10	1·2
5	12	3·7	09	1·9	10	3·8	09	3·8	10	3·2	11	1·8	11	1·1	10	1·5	11	2·2	11	0·8	10	1·4	10	0·6	13	1·3	09	1·7	11	1·3	10	1·1
6	12	2·5	09	2·0	09	4·3	08	3·1	10	3·1	11	1·9	11	1·9	10	1·6	09	3·9	15	1·7	10	1·1	10	0·7	13	1·8	09	2·7	11	0·7	10	0·9
7	12	3·9	11	2·3	08	5·5	08	4·4	08	3·2	11	2·4	11	2·6	11	2·1	10	2·7	13	1·8	10	0·6	10	0·7	13	0·9	09	2·8	11	1·9	10	1·8
8	11	4·1	10	4·4	09	5·2	08	4·4	07	4·4	11	3·6	09	3·9	09	4·1	09	4·5	11	3·6	d19	1·2	10	0·6	r02	2·4	08	3·5	c7	2·5	c6	2·1
9	08	6·2	09	4·8	09	5·2	08	4·8	06	4·1	09	4·2	08	4·5	c9	5·2	09	4·7	10	3·2	23	2·4	r28	0·7	30	2·9	05	3·4	c8	2·8	c8	3·0
10	08	5·0	09	4·4	07	5·9	08	4·6	06	4·4	09	4·5	08	4·7	10	5·5	09	5·6	11	3·5	19	3·0	26	1·9	31	3·1	06	3·2	03	2·7	c6	2·9
11	06	4·8	08	4·8	08	5·3	07	4·2	09	4·8	09	4·4	c8	4·5	c7	4·9	08	4·9	06	2·8	21	4·1	25	1·9	30	2·8	c6	3·4	c6	2·9	04	2·9
Noon	07	5·7	09	4·6	07	6·3	08	4·1	08	5·2	07	4·1	c8	5·0	c9	4·6	09	5·5	d20	3·0	23	4·7	28	1·8	32	2·8	05	4·0	03	3·6	c8	4·0
13h	07	5·2	09	4·5	08	5·9	08	4·3	08	5·6	07	4·3	c8	4·3	09	5·6	10	5·8	22	3·1	24	4·7	25	3·5	01	2·9	04	3·4	c3	4·4	05	4·6
14	09	4·7	10	4·8	08	5·4	07	4·0	08	4·6	c9	4·4	c8	4·1	c9	5·1	09	5·6	16	2·0	23	4·0	28	3·3	01	2·7	04	3·0	03	2·5	c5	4·5
15	11	5·0	10	4·7	08	5·9	c9	4·2	c9	5·0	08	4·4	10	3·7	08	4·7	10	6·1	13	1·8	24	3·5	25	2·8	31	2·0	06	2·9	04	3·0	c6	4·4
16	11	4·9	09	5·1	08	5·0	08	3·9	c9	4·7	11	4·8	10	3·9	c9	5·2	09	6·0	19	3·8	22	2·5	22	3·0	32	2·5	06	2·6	c6	2·8	07	3·1
17	10	4·8	09	3·9	09	4·7	10	3·9	10	4·4	c9	5·0	10	4·2	09	4·9	12	5·5	21	3·2	24	2·1	25	2·7	06	1·3	05	3·2	05	1·6	09	4·3
18	10	4·6	11	3·6	07	3·9	09	3·4	10	3·4	c9	4·4	10	3·7	09	4·4	11	4·5	21	2·8	dc7	1·8	24	1·5	c6	1·3	c6	2·9	09	2·0	10	1·8
19	10	3·2	10	2·5	c8	3·3	09	2·6	11	2·1	11	3·2	10	2·1	11	2·8	11	2·4	16	1·5	c4	1·3	24	1·0	c7	1·1	c6	2·6	07	0·8	10	2·0
20	11	2·7	11	2·7	09	3·6	10	2·6	11	1·9	11	2·5	10	3·3	11	2·6	11	2·1	11	1·7	c8	1·1	24	0·6	12	0·8	07	2·0	07	0·9	10	1·2
21	11	2·2	10	2·9	09	3·3	10	2·6	11	1·8	11	2·2	11	2·8	11	2·3	11	1·4	12	2·0	10	1·1	25	0·6	12	1·1	11	1·3	10	1·0	10	1·4
22	11	2·4	11	3·3	09	3·1	10	2·7	11	2·1	11	2·3	11	3·6	11	2·6	12	2·2	12	1·4	10	1·1	25	0·9	12	1·1	12	1·3	10	1·1	10	1·4
23	11	2·5	10	3·5	09	3·1	10	2·5	10	3·2	11	2·0	12	3·9	11	1·8	12	2·5	14	1·9	10	0·6	25	1·1	c9	1·3	10	1·1	10	1·1	10	1·4

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	1·6	15	0·6	11	1·9	c9	1·6	08	3·3	c7	1·8	10	2·4	11	1·7	c8	1·3	04	2·4	04	3·2	02	3·3	c5	1·8	c9	c·9	10	1·4	2·0
1h	10	2·2	15	0·6	10	2·0	09	2·6	08	3·3	07	1·8	09	2·4	11	2·1	08	1·5	04	2·8	05	3·1	03	2·9	c7	1·3	c9	c·6	12	1·6	2·0
2	10	1·4	11	1·1	10	2·5	c9	1·8	07	2·4	08	1·8	09	2·8	11	1·4	07	1·1	c4	2·2	c5	3·0	c3	2·9	b7	1·4	14	0·8	12	1·8	2·0
3	10	0·7	11	0·9	10	1·4	09	1·3	08	2·4	c7	1·8	09	2·8	11	1·8	07	1·5	05	1·8	c6	3·0	04	3·0	07	1·4	11	1·8	12	1·5	1·9
4	10	1·5	11	1·7	10	1·8	09	1·2	07	2·8	07	0·7	10	1·7	11	2·0	07	1·1	04	2·0	c5	1·8	04	2·1	03	2·7	c8	1·3	12	1·3	1·9
5	10	0·9	11	1·2	10	1·3	09	1·6	c6	2·3	08	0·7	c9	1·7	11	1·8	07	0·9	04	1·4	03	1·9	c3	2·1	08	1·8	08	1·2	12	1·3	1·7
6	10	0·6	11	0·7	10	1·4	08	1·9	c6	1·8	08	c·7	10	1·8	11	2·7	08	1·0	c7	1·3	02	2·1	02	2·5	10	2·0	10	0·7	12	1·3	1·8
7	10	1·2	11	1·2	09	2·0	08	2·0	08	2·0	07	0·9	10	2·1	12	4·0	c4	1·9	02	3·3	02	4·9	02	3·4	c6	2·2	c7	1·0	12	1·0	2·3
8	07	1·7	05	1·9	07	4·0	c6	2·1	05	3·2	06	1·1	10	2·1	10	3·7	c4	3·4	02	4·6	02	6·4	03	3·5	c8	2·2	c9	1·0	r29	1·3	3·1
9	05	1·1	07	2·2	06	3·7	06	3·5	06	3·2	07	2·4	11	2·2	c9	3·8	c2	3·8	01	5·5	02	6·1	02	3·7	03	2·9	d01	1·0	26	2·0	3·5
10	11	1·0	08	1·5	06	4·8	05	4·6	05	3·3	05	2·8	11	3·1	09	3·7	c2	3·9	02	6·0	03	7·0	03	5·0	03	3·1	30	2·2	28	2·6	3·9
11	d30	2·1	04	2·1	06	4·0	06	4·4	08	3·3	09	2·7	10	2·8	11	4·6	c2	4·3	01	6·2	03	6·7	02	5·4	c4	3·5	01	1·8	28	2·9	3·9
Noon	01	3·0	04	3·7	c6	3·3	06	5·0	07	3·5	10	3·2	12	3·9	06	3·8	c1	4·4	02	6·0	03	7·4	01	5·0	03	3·2	c6	3·4	24	3·9	4·3
13h	30	2·6	04	2·2	05	4·4	05	5·6	c5	5·0	c9	3·2	10	3·5	c9	4·1	c1	4·3	01	5·2	02	7·4	32	5·2	c7	2·8	08	2·8	23	3·0	4·3
14	30	2·1	d17	2·8	06	4·5	05	5·4	04	4·9	c9	4·2	10	4·0	c6	4·0	c2	4·8	01	6·2	c2	6·3	32	4·7	c4	3·3	c9	2·2	28	2·9	4·1
15	28	2·0	17	1·8	05	4·1	07	4·7	05	4·1	a17	3·8	10	3·8	07	4·1	01	4·5	02	5·3	03	6·1	c2	4·4	c3	3·0	10	1·6	25	3·2	3·9
16	22	2·4	14	0·9	06	4·1	c6	5·1	07	4·1	rc7	3·2	11	3·9	c7	3·9	c4	4·2	32	4·8	03	6·3	04	3·1	03	2·0	10	0·6	25	3·4	3·7
17	25	1·4	19	0·9	07	3·6	05	4·3	08	4·4	c9	3·2	11	4·4	c6	4·7	c6	4·1	02	3·9	c3	5·1	05	3·0	c7	1·4	d20	1·1	24	3·5	3·5
18	28	1·0	r11	1·8	c8	3·2	07	4·5	10	4·1	12	3·1	09	3·9	c8	1·8	c6	3·9	02	4·2	03	3·8	c6	2·4	09	2·8	20	0·7	23	2·4	3·0
19	23	1·0	11	1·0	c8	2·7	07	3·4	09	3·0	10	3·5	11	3·4	08	2·3	c4	3·5	02	3·0	02	4·5	07	1·9	09	1·8	20	0·6	24	0·7	2·3
20	23	0·6	11	1·0	10	2·9	c6	3·6	c8	3·0	10	3·9	12	3·1	11	2·0	c5	3·0	02	3·5	04	4·0	c7	1·8	10	1·1	20	0·8	24	0·7	2·2
21	23	0·7	11	1·4	11	2·0	c8	3·7	c8	3·3	10	3·4	10	2·6	11	1·1	c4	2·7	03	3·6	c3	3·7	c7	2·0	10	2·1	r10	1·2	r14	0·9	2·1
22	r15	1·0	11	1·9	10	2·2	c8	4·0	07	1·8	10	2·4	10	2·7	10	1·3	c5	3·0	c3	3·8	02	3·0	c7	2·0	c9	c·7	10	1·0	14	1·0	2·1
23	15	1·1	11	2·3	10	2·6	c6	3·2	c7	1·8	10	2·4	11	2·4	10	2·0	c4	2·4	c3	3·6	c3	3·0	c7	2·5	c9	c·9	10	1·5	14	1·1	2·1

TABLE XIII,—WIND FREQUENCY (NUMBER OF OBSERVATIONS), DECEMBER 1935.

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	1	8	8	11	1	...	...	...	...	...	...	...	...
9	...	3	28	2	3	3	4	13	1	1	...	...	...	...	...	1	1	1	1
15	...	3	28	2	2	6	2	7	5	2	...	2	...	...	...	3	...	1	...
21	...	...	31	...	...	3	...	4	9	12	1	...	...	...	...	2	...	...	...
Totals	...			4	5	14	7	32	23	26	2	2	...	...	...	6	1	2	1

TABLE XIVA.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for DECEMBER, 1935.

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	...	0·4	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...
2	...	...	0·1	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	0·1	...	...	0·1	...	...	...	...	...	...	...	...	...
3	...	0·1	0·1	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·1	0·1	...	0·1	...	...	...
4	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·1	...	...	1·3	...	...
5	...	...	...	...	...	...	...	...	2·0	...	...	...	...	...	0·2	...	...	...	...	1·1	...	...	...	...	0·3	...	...	...	0·1	...	...
6	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	1·0	...	...	...	...	...	...	...	...	1·0	...	...
7	3·7	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...
8	0·3	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	...	...	...
9	0·3	...	1·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	0·2	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	50·0	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13·0	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	0·2	...
17	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·4	...	...	...	...	...
18	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	...	0·1	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	2·0	...
20	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	0·6	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·3	...	...	...	...	...	...	...	...	...	...
22	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	0·2	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	0·6	0·2	...	...	...	...	...	...	...	...	...	...

TABLE XIVB.—RAINFALL AT EVERY HOUR OF THE DAY AT THE AEROLOGICAL STATION, VACOAS FOR DECEMBER, 1935.

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
1h	...	0·1	0·4	...	...	...	...	0·2	0·7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	0·1	...	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	0·2	0·1
4	...	1·5	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	0·2	...	...	0·1
5	0·1	0·5	...	...	...	...	0·1	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·9	...	...
6	...	0·2	0·1	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	0·1	0·6	1·3	0·1	...
7	0·9	...	0·4	...	...	...	0·4	...	0·4	...	...	...	...	...	...	0·1	0·1	...	...	...	...	...	...	...	...	...	0·2	...	...	...
8	3·8	...	0·4	...	...	...	...	0·1	0·2	...	...	...	...	...	...	0·1	...	...	...	...	0·1	...	...	...	...	0·1	...	...	...	...
9	0·2	...	...	...	...	...	0·4	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	...
10	...	...	1·4	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1
11	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·0	...	...	...
Noon	...	2·6	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·9	...	...	...	...	...	...	...	...	7·2	...
13h	...	0·3	0·4	...	...	...	...	...	...	...	...	...	...	1·3	0·3	...	...	...	...	...	...	...	...	1·0	...	...	1·9	...	25·4	...
14	...	1·2	0·6	...	...	...	...	...	...	...	...	...	...	8·7	...	5·3	...	40·7	...	...	...	6·9	...	...	...	...	17·7	...	9·6	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	10·0	...	1·5	...	24·0	...	...	...	6·6	...	...	...	...	0·5	...	4·9	...
16	...	0·7	...	...	...	...	...	...	...	...	...	...	...	0·2	1·6	...	...	...	...	...	...	...	...	0·4	...	...	...	0·9	...	...
17	...	1·0	0·1	...	...	...	...	...	...	...	...	...	...	29·8	...	...	...	0·1	...	...	...	...	...	4·1	...	...	...	...	...	...
18	...	...	...	...	...	...	0·8	...	...	...	...	...	...	25·0	...	...	...	...	...	...	...	...	...	...	1·9	...	...	2·2	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	5·0	0·2	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...
20	...	...	0·1	...	...	...	0·8	0·2	...	...	...	...	...	0·2	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	0·1	...	...	...	...	0·1	0·2	...	...	...	...	...	...	...	...	...	...	...	1·4	...	...	...	...	...	...	...	...	...	...
23	...	0·1	...	...	...	0·4	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	0·6	0·9	...	...	...	0·1	5·2	2·3	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS indicated on the CHART, for the MONTH of DECEMBER, 1935

River System	Station	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche	20	2·31	58·7	39·0	5
*	St. Antoine	50	2·74	19·6	3·69	10
*	Belmont	50	4·61	117·1	4·39	10
*	Poudre d'Or	20	6·11	155·2	4·08	10
	Mon Loisir S. E.	300	5·42	137·7	5·22	11
	Forbach	300	2·62	66·5	3·60	9
*	Couroupa...	...	2·52	64·0	5·98	7
*	Labourdonnais	290	2·95	75·0	5·04	5
	Mapou (Water Office) ...	...	3·70	94·0	...	4
	Beau Séjour	300	2·88	73·2	5·46	14
	Mont Piton	650	3·56	90·4	6·42	13
	Mon Choix	700	2·48	63·0	5·93	13
	Antoinette	640	5·34	135·6	6·17	15
	Mon Songe	620	6·60	167·6	6·49	14
	Botanical Gardens... ...	325	4·25	108·0	5·92	15
*	The Observatory	179	3·82	97·1	4·68	17
	Solitude	175	0·95	24·1	3·70	3
	Triolet	...	...	...	...	...
	St. André (Cour)	90	2·29	58·2	4·08	3
	La Nicolière	...	7·99	202·9	6·59	15
	California	...	7·48	190·0	6·81	11
	Australia	...	...	...	...	...
2 & 3	Union Régnard S.E.(Flacq)...	600	5·30	134·6	6·91	17
	Constance d'Arifat L.G. ...	100	4·37	111·0	6·99	16
	Rich Fund	600	4·47	113·5	6·87	17
	La Joffrette	...	4·25	108·0	...	14
	Belle Vue (Allendy) ...	...	4·72	119·9	8·56	13
4 *	Sans Souci	900	7·85	199·4	10·74	20
	Beau Champ (G.R.S.E.) ...	20	4·53	115·1	6·24	18
	Olivia	400	6·96	176·8	8·92	20
	Trois Ilots	...	6·10	154·9	...	18
	Belle Rive	400	6·47	164·3	10·45	21
	Sébastopol	700	4·55	115·6	...	13
	Bonne Veine	400	7·30	185·4	14·06	17
5	Rose Belle	850	9·91	251·7	11·11	19
	New Grove	650	7·64	194·1	...	17
	Mon Trésor	...	3·81	96·8	...	13
	Mon Désert (Carié) ...	75	3·45	87·6	5·87	11
	Ferney	20	...	...	8·55	...
	Sauve Terre	...	3·87	98·3	...	11
6	Tivoli	1,300	12·45	316·2	10·59	26
	La Flora...	1,050	9·05	229.9	9·76	22
6	Riche Bois (Brit.) ...	650	6·41	162·8	10·01	15
	Britannia (Estate) ...	700	8·82	224·0	9·05	14
	Savannah (Mill) ...	200	5·93	150·6	6·49	10
	St. Aubin	300	5·27	133·9	7·53	15
	St. Avold	900	12·10	307·3	9·56	18
	Colmar	400	8·00	203·2	8·47	11
	Union S. E.	...	6·60	167·6	6·34	9
	Fontenelie	320	5·32	135·1	6·39	8
	Choisy	200	9·67	245·6	6·00	9
	Beau Bois	...	10·40	264·2	8·51	17
	Bel Air	...	8·30	110.8	7·02	11
	St. Félix	...	7·70	195·6	...	10
7,8,9&10	Bel Ombre	40	10·34	262·6	5·40	12
	Beau Champ (B. du Cap)	70	12·43	315·7	5·28	11
	Frédérica	...	18·37	466·6	...	12
	Pierre Fond	...	7·02	178·3	8·28	17
	Ste. Marie	...	9·60	243·8	...	10
	Hussonia Limited ..	...	4·43	112·5	...	10
11	Curepipe Gardens ...	1,840	13·70	348·0	10·53	27
	Mare aux Vacoas (G.E.)	1,850	14·66	372·4	11·07	23
	Mare aux Vacoas (Arn.)	1,830	13·53	343·7	11·43	22
	La Marie Filter Bed ..	1,700	10·65	270·5	9·00	19
*	Sophie	...	17·15	435·6	...	22
	Réunion	1,420	11·53	292·9	88·0	19
*	Aerological Station ...	1,393	11·78	299·2	9·10	23
	Phœnix	...	9·68	245·9	7·60	12
	Quatre Bornes... ...	...	7·69	195·3	...	8
12	Quatre Bornes (Board) ...	1,090	9·97	253·2	...	11
*	Le Réduit (D. of A.) ...	1,000	8·15	207·1	6·60	27
	Alma...	1,460	8·02	203·7	11·14	16
	Bagatelle	1,250	13·83	351·3	7·05	18
	Highlands	1,300	10·09	256·3	8·59	18
	Trianon	950	9·69	246·1	6·88	12
	Val Ory	1,100	6·75	171·7	7·15	14
	Bassin	...	7·25	184·2	9·80	10
	Hermitage	1,450	13·65	346·7	12·90	14
	Ebene	...	14·09	457·9	...	16
	Bega...	...	7·42	188·5	...	16
	Mon Rêve	...	8·51	216·2	...	14
	Mont Pevril	...	9·45	240·0	...	16
	Minissy	1,150	7·17	182·1	9·25	14
	Plaisance	...	3·48	88·4	...	8
	La Ferme	350	6·25	158·8	5·55	19

TABLE XV B.—*Further Rainfall Returns for 1935*

River System	STATION	Approximate Altitude feet	Total fall in inches	Total fall in mms.	Normal in inches	Number of days
1	Mare Sèche (October) ...	20	1·40	35·6	2·16	6
	Mon Loisir (S.E.) (June) ...	300	4·20	106·7	3·91	18
	Forbach (January) ...	300	9·54	242.3	8·43	9
	„ (February) ...	300	14·19	360·4	72·9	20
	„ (August) ...	300	1·47	37·3	2·29	4
	„ (October) ...	300	1·71	43·4	2·06	6
	„ (November) ...	300	7·74	196·6	1·80	16
	Labourdonnais (January) ...	290	8·58	218·0	8·96	13
	„ (February) ...	290	13·94	354·0	8·42	18
	St. André (cour) (January) ...	90	9·51	241·6	7·79	12
	„ (February) ...	90	10·40	264·2	6·29	15
	La Nicolière (May) ...	...	1·88	47·8	9·63	13
	California (January) ...	...	15·24	387·1	9·76	11
	Australia (January) ...	...	15·40	391·2	...	7
	„ (February) ...	...	18·86	479·0	...	18
	„ (March) ...	...	54·2	137·7	...	11
	„ (April) ..	...	10·14	156·0	...	15
1	Australia (May) ...	...	1·28	32·5	...	4
	„ (June) ...	...	6·44	163·6	...	15
	„ (July) ...	...	8·18	353·8	...	15
	„ (August) ...	...	2·14	54·4	...	7
	„ (September) ...	...	1·36	34·5	...	8
	„ (October) ...	...	4·78	121·4	...	7
	„ (December) ...	...	5·26	133·6	...	...
2 & 3	La Joffrette (January) ...	...	14·70	373·4	...	11
4	Sébastopol (March) ...	700	1·83	46·5	...	6
5	Ferney (July) ...	20	8·99	228·3	5·00	23
	„ (August) ...	20	1·15	29·2	4·75	9
	„ (September) ...	20	3·01	76·5	2·60	15
	„ (October) ...	20	0·89	22·6	3·50	7
	„ (November) ...	20	16·20	411·5	3·50	22
	„ (December) ...	20	5·52	140·2	8 55	17
6	Choisy (October) ...	200	1·40	35·6	2·30	8
12	La Ferme (October) ...	350	0·53	13·5	1·20	8

TABLE XV c—TOTAL ANNUAL RAINFALL AT VARIOUS STATIONS IN MAURITIUS GROUPED ACCORDING TO THE RIVER SYSTEMS INDICATED ON THE CHART FOR THE YEAR 1935.

River System	Station	Approx. Altitude Feet	Total Fall in Inches	Total Fall in Millimetres	Normal in inches
1	Mare Sèche	20	67·10	1,704·2	47·43
	St. Antoine	50	80·74	2,050·9	45·94
	Belmont...	50	95·66	2,429·7	50·12
	Poudre d'Or	20	106·74	2,711·1	47·85
	Mon Loisir S.E.	300	91·68	2,328·6	58·47
	Forbach	300	76·28	1,937·5	47·76
	Couroupa	...	79·70	2,024·3	59·55
	Labourdonnais	290	72·44	1,840·0	57·60
	Mapou Water Office ...	...	87·09	2,212·1	...
	Beau Séjour	300	84·49	2,146·0	68·27
	Mont Piton	650	83·83	2,129·4	70·46
	Mon Choix	700	74·29	1,887·8	65·07
	Antoinette	640	101·48	2,577·7	69·98
	Mon Songe	620	113·37	2,879·7	73·92
	Botanical Gardens ...	325	96·00	2,438·4	60·13
	The Observatory	179	66·70	1,694·2	49·75
	Solitude...	175	70·34	1,786·6	38·27
	Triolet	...	...	...	...
	St. André (Cour)	90	62·44	1,585·9	45·20
	La Nicolière	...	130·70	3,319·9	94·39
	California	...	121·18	3,078·1	74·09
	Australia	...	97·19	2,468·7	...
2 & 3	Union Régnard S.E. ...	600	112·22	2,850·4	76·76
	Constance d'Arifat (L.G.) ...	100	98·68	2,506·6	67·09
	Rich Fund	600	100·69	2,557·5	83·19
	La Joffrette	...	110·50	2,806·8	...
	BelleVue (Allendy) ...	...	106·59	2,707·4	78·08
4	Sans Souci	900	177·86	4,517·7	138·35
	Beau Champ G.R.S.E. ...	20	90·40	2,296·2	61·75
	Olivia	400	147·05	3,735·0	94·26
	Trois Ilots	...	117·16	2,975·9	...
	Belle Rive	400	171·07	4,345·1	112·21
	Sébastopol	700	134·13	3,406·8	..
	Bonne Veine	400	166·05	4,217·8	130·07
5	Rose Belle	850	184·99	4,698·7	140·27
	New Grove	650	151·20	3,840·6	...
	Mon Trésor	...	109·83	2,789·8	...
	Mon Désert (Carié) ...	75	92·21	2,342·1	62·01
	Ferney	20	121·97	3,098·1	91·50
	Sauve Terre	...	101·24	2,571·4	...
6	Tivoli	1,300	161·04	4,090·4	138·28
	La Flora	1,050	176·91	4,493·5	135·57
6	Riche Bois (Brit)	650	122·90	3,121·8	104·27
	Britannia (Estate) ...	700	136·17	3,458·6	108·47
	Savannah (Mill)	200	100·79	2,560·1	77·13
	St. Aubin	300	100·32	2,548·1	77·01
	St. Avold	900	152·94	3,884·8	117·68
	Colmar	400	129·80	3,297·0	92·91
	Union S.E.	...	104·42	2,652·3	67·56
	Fontenelle	320	117·40	2,982·0	77·34
	Choisy	200	104·61	2,657·1	63·40
	Beau Bois	...	154·74	3,930·4	99·03
	Bel Air	...	116·46	2,958·0	69·77
	St. Félix...	...	135·75	3,448·0	...
7, 8, 9 & 10	Bel Ombre	40	95·46	2,424·6	62·04
	Beau Champ (B. du Cap) ...	70	104·87	2,663·7	68·01
	Frédérica	...	122·96	3,123·3	...
	Pierre Fond	...	90·83	2,307·2	56·32
	Ste Marie	...	115·48	2,933·1	...
	Hussonia (Limited) ...	...	47·88	1,216·2	...
11	Curepipe Gardens ...	1,840	178·84	4,542·5	123·24
	Mare-aux-Vacoas (G.E.) ...	1,850	188·29	4,782·5	145·95
	Mare-aux-Vacoas (Arn.) ...	1,830	203·06	5,157·8	148·62
	La Marie Filter Bed ...	1,700	147·92	3,757·3	105·22
	Sophie	...	193·13	4,905·6	...
	Réunion...	1,420	133.51	3,392·1	88·35
	Aerological Station ...	1,393	128·65	3,267·6	90·47
	Phœnix	...	96·13	2,441·6	77·05
	Quatre Bornes	...	80·71	2,050·0	...
12	Quatre Bornes (Board) ...	1,090	90·65	2,302·6	...
	Le Réduit (D. of A.) ...	1,000	82·77	2,099·8	57·90
	Alma	1,460	164·32	4,173·7	126·60
	Bagatelle	1,250	140·61	3.571·5	79·35
	Highlands	1,300	133·70	3,396·1	88·00
	Trianon	950	87·03	2,210·7	63·17
	Val Ory	1,100	...	...	65·21
	Bassin	...	89·98	2,285·4	63·21
	Hermitage	1,450	156·10	3,964·8	126·69
	Ebène	...	101·73	2,584·0	...
	Bega	..	85·67	2,170·6	...
	Mon Rêve	...	103·77	2,635·9	...
	Mont Pevril	...	102·59	2,605·8	...
	Minissy	1,150	101·47	2,577·4	65·95
	Plaisance	...	93·35	2,371·1	...
	La Ferme	350	63·23	1,606·1	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 1935.

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	...	...	...	...	...	...	...	...	...	...	..	...	...	13¾	98	13·6*	105	10·7*	300	3·7*	...	...	285	2·3*	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
5	8¼	90	29·7	90	20·7	270	...	...	...	...	...	270	...	...	...	...	..	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	14½	..	...	105	2·2	...	...	...	...	...	...	..	...
7	11	90	4·9*	90	6·5*	...	...	...	...	270	*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	14¼	120	14·8	135	11·1	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	11¾	...	..	150	3·3*	..	...	...	...	267	2·4*	247	3·0*	13¾	...	...	150	3·3*	...	...	..	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	9	...	...	30	9·5	300	4·1	...	...	...	...	315	3·9	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	8¾	...	...	60	12·7	...	...	...	...	...	...	270	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	9¼	90	...	...	...	...	...	...	...	...	...	240	2·0	...	...	...	...	...	...	...	...	...	...	..	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	..	...	...	...	...	...	...	...	...	...	...	15¼	...	...	90	...	...	...	...	...	...	...	240	...
20	9½	...	...	90	15·9	...	...	...	...	...	...	270	..	...	...	...	...	...	...	...	90	...	...	...	..	...
21	11¼	360	4·3*	22	5·0*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	..	..	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	17¼	...	...	30	10·2	...	...	...	...	...	...	225	...
27	11	45	27·1*	33	13·1*	...	...	...	...	...	...	...	...	18	...	...	15	12·1	360	...	...	...	...	...	...	...
28	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...
29	..	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	11¼	330	8·4*	330	4·3*	...	...	360	2·6*	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...

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.

TABLE XVII.—MONTHLY AND YEARLY MEANS AND EXTREMES OF THE METEOROLOGICAL ELEMENTS FOR THE YEAR 1935.

Month 1935	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 (Saturation = 100). %	Vapour Pressure mbs.	Rainfall: Amount recorded by the Beckley pluviograph mms.	Duration mins.	Mean Daily Amount of Evaporation mms.
Jan.	1005·0	33·2	20·0	13 2	30·1	22·6	7·5	26·1	2·7	21·5	76·3	25·4	286 5	1352	6·4
Feb.	1003·1	31·2	22·3	8·9	29·3	23·5	5·8	26·0	1·7	23·1	84·1	28·1	324·9	1651	5·1
Mar.	1005·8	30·2	21·3	8·9	28·9	22·6	6·3	25·3	2·0	21·8	81·5	25·9	92·0	512	4·8
April	1006·6	30·1	18·1	12 0	27·7	22·0	5·7	24·4	1·6	21·7	84·9	25·7	408·9	2087	4·1
May	1010·1	27·6	14·8	12·8	26·1	19·1	7·0	22·2	2·6	17·6	75·7	20·1	35·9	190	3·8
June	1011·8	26·5	16·2	10·3	24·3	18·9	5·4	21·2	2·2	17·2	78·5	19 6	121·8	1847	3·1
July	1013·7	24·7	12·7	12·0	23·0	16·6	6·4	19·5	2·3	15·3	76·7	17·3	57·7	1432	3·2
Aug.	1012·4	26·6	13·6	13·0	24·4	16·5	7·9	20·1	2·4	15·8	76 5	17·9	33·6	342	4.1
Sept.	1013·2	27·0	15·4	11·6	24·7	17·8	6·7	20·9	2·9	15·9	73 6	18·0	86·5	759	5·0
Oct.	1011·5	29·4	15·0	14·4	26·7	18·4	8·3	22·2	3·0	16·9	71·8	19·1	32·0	434	6.3
Nov.	1009·7	29·7	19·4	10·3	27·7	20·8	6·9	23 8	2 3	19·9	79·1	23·1	146·5	1264	5.5
Dec.	1007·2	32·8	18·0	14·8	30·8	23 0	7·8	25·6	3·1	20·3	72·9	23·8	97·1	585	6·4
Year	1009·2	29·1	17·2	11·9	27·0	20·2	6·8	23·1	2·4	18 9	77·6	22·0	Sum 1673.4	hrs. 207·6	4 8
Max.	1020·2 Sept. 16th	33·2 Jan. 3rd.	...	14·8 Dec.	30·8 Dec.	...	8·3 Oct.	...	7·5 Sept. 7th	26·4 Feb. 12th	100% often	34·1 Feb. 12th	119·8 ending 5h. on April 16th	...	9·7 Feb. 2nd
Min.	981·0 Feb. 28th	...	12·7 July 7th	8·9 Feb. & Mch.	...	16·5 Aug.	5·4 June	...	0 0 often	9·6 July 30th Sept. 15th	44·2% Sept. 7th	11·9 July 30th Sept. 15th	...	...	0·8 June 15th Aug. 3rd
Col.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Month 1935	Mean Minimum on grass °c.	Temperature of the Soil: Feet 10 °c.	Feet 5 °c.	Feet 2 °c.	ins. 12 °c.	Mean amount of Cloud (0 – 10).	Daily Duration of Bright Sunshine hrs.	Percentage of Possible Sunshine %	Wind Observed Velocity m.p.s.	Number of Days of: Rain	Lightning	Thunderstorms
Jan.	20·6	24·41	25·70	28·07	28·22	5·7	8·31	62.1	2·97	21	...	...
Feb.	22·3	24·76	26.55	28·07	28·42	6·9	7·04	56·0	3·19	24	2	7
Mar.	21·2	25·24	26 59	27·87	27·98	5·8	7·83	64·2	2.71	18	3	5
April	20·4	25·53	26·66	26·93	26·74	6·4	6·39	55·4	2·80	21	...	4
May	16·8	25·57	26·20	25·52	24·83	4·6	7·13	64 0	3·16	12	...	...
June	17·0	25·42	25·05	23·90	23·13	6·4	5.69	52·2	3·80	17	...	...
July	14·4	25·16	24·20	22·33	21·68	5·2	6·99	62·2	3·90	23	...	...
Aug.	14·5	24·77	23·43	22·38	22·20	4·2	8·08	71·0	3·02	8	...	...
Sept.	15·4	24·44	23·40	22·69	22·87	5·7	7·76	65·1	3·82	19	...	...
Oct.	15·6	24·27	23 69	23·94	24·37	4 7	8·77	70·4	3·32	15	...	...
Nov.	19·1	24·18	24·29	25·49	26·06	6·8	6·39	49·1	2·90	22	2	1
Dec.	19·9	24·19	25·00	26·92	27·63	5·9	8·42	63·4	2·82	17	6	...
Year	18·1	24·83	25·06	25·34	25·34	5·7	7·40	61·3	3·20	217	13	17
Max.	...	25·6 Apr. & May	27.0 April	28·5 Feb.	29·2 Feb.	...	12·6 Jan. 1st	95 Jan. 1st	13·4 Feb. 28th	24 Feb.	...	...
Min.	9 3 Aug. 15th	24·1 Oct. & Nov.	23.0 Oct.	21 9 July	20·9 July	...	...	...	...	8 Aug.	...	...

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	Vertical Force
	′								′	Unit	$^1\gamma$
January ...	12°54·44	·22549	·29700	·37291	52°47·63	·21979	—·05043	·29700	6·15	36·4	15·3
February ...	12°55·69	·22537	·29694	·37278	52°48·13	·21966	—.05042	·29694	6·46	36·8	15·1
March ...	12°56·48	·22532	·29690	·37272	52°45·30	·21960	—·05046	·29690	6·62	37·8	20·0
April ...	12°57·52	·22531	·29690	·37271	52°48·36	·21957	—·05052	·29690	5·13	35·9	17·0
May ...	12°58·09	·22531	·29691	·37273	52°48·50	·21956	—·05056	·29691	4·94	28·1	15·9
June ...	12°59·29	·22521	·29679	·37256	52°48·50	21945	—·05061	·29679	4·28	42·1	15·5
July ...	13°00·26	·22522	·29680	·37257	52°48·50	·21944	—·05068	·29680	5·13	38·7	18·6
August ...	13°00·95	·22529	·29680	·37262	52°47·95	·21950	—·05074	·29680	6·30	33·0	21·6
September ...	13°01·60	·22516	·29688	·37261	52°49·38	·21937	—·05075	·29688	7·46	42·8	25·7
October ...	13°02·57	·22515	·29691	·37261	52°49·60	·21933	—·05081	·29691	8·58	44·7	24·2
November ...	13°03·56	·22532	·29702	·37280	52°48·93	·21949	—·05091	·29702	8·85	37·7	19·6
December ...	13°04·35	·22530	·29715	·37289	52°49·83	·21941	—·05096	·29715	6·85	44·0	17·3
For the year ...	12°59·57	·22529	·29690	·37270	52°48.55	·21942	—·05065	.29690	6·40	38·2	18·9

TABLE XIX.—MEAN MONTHLY VALUES OF POTENTIAL GRADIENT: VOLTS PER METRE, 1935.

Hour \ Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
0	64	78	73	73	73	84	67	81	76	67	78	70	74
1	101	129	95	101	84	87	70	92	84	92	101	84	93
2	232	213	134	132	118	92	81	140	115	171	188	162	149
3	297	269	190	171	140	132	104	202	151	221	241	227	195
4	232	210	157	168	140	143	129	244	129	129	160	123	164
5	148	123	76	112	101	87	98	118	106	87	81	84	102
6	106	101	62	87	84	70	81	67	84	98	81	76	83
7	92	92	64	81	78	81	73	90	84	92	87	73	82
8	81	92	70	84	78	81	84	92	81	87	81	73	82
9	81	84	73	81	76	87	84	90	78	84	84	73	81
10	90	84	78	78	76	90	87	95	78	84	81	78	83
11	92	87	76	73	70	92	87	92	76	84	84	81	83
12	95	98	90	87	78	101	87	92	87	92	92	87	90
13	104	101	101	106	101	123	101	106	104	109	115	95	106
14	115	115	123	129	126	143	129	132	126	143	123	92	124
15	112	137	148	134	129	129	123	160	146	165	137	98	135
16	106	157	143	120	132	123	101	154	118	162	134	109	134
17	101	148	112	95	92	104	78	126	115	146	120	112	113
18	95	134	92	84	84	90	81	115	118	126	129	101	104
19	90	126	90	78	76	84	76	109	101	118	123	90	97
20	90	112	84	78	78	84	73	101	92	92	112	78	89
21	73	112	78	70	78	81	76	104	106	76	95	73	85
22	73	90	73	67	78	92	70	92	90	73	98	67	80
23	67	73	67	70	76	101	67	84	81	62	95	67	76
No. of days	13	5	14	9	18	8	13	14	16	14	9	14	...
Non-cyclic change 24-0	− 3	0	+ 2	+ 2	− 3	0	0	0	− 5	0	+ 7	+ 2	...

The hours are in Greenwich Mean Time. The hourly means have been corrected for non-cyclic change.