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ROYAL ALFRED OBSERVATORY, MAURITIUS.

150

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

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY 1925

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PREFACE.

Beginning with the year 1916 metric units have been employed in the work and publications of Royal Alfred Observatory. The conversion factors and constants adopted are as follows :—

ATMOSPHERIC PRESSURE.

1 millibar = 1000 dynes per cm^2.

Acceleration due to gravity

$= G = g_{45} (1 - \cdot 00259 \text{ Cos. } 2\lambda) = 978\cdot677$ cm/sec^2. $g_{45} = 980\cdot617$ cm/sec^2.

Density of mercury at normal freezing-point of water = 13·5955.

1000 millibars = 29·5306 inches = 750·076 mm. of mercury at temperature 0° Cent. and gravity at 45° Latitude.

TEMPERATURE.

1° Centigrade = 1·8° Fahrenheit.

Centigrade temperatures = $\frac{5}{9}$ (Fah. − 32°).

Absolute temperatures = 273 + Centigrade temperature.

WIND VELOCITY.

1 mile per hour by Robinson Anemometer (using the factor 3.) = 0·32753 metres per second.

1 mile per hour by Robinson Anemometer (using the factor 2·2) = 0·44704 metres per second.

Pressure in lbs. per sq. foot = $.015V^2$ (V = Velocity in metres per second.)

" grammes per cm^2 = $.00733V^2$ (" " ")

LENGTH.

1 inch = 25·40 millimetres.

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

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

in which $x_0, x_1, x_2, \ldots . x_{24}$ represent the value of the element at the hours 0, 1, 2 . . . . 24 respectively. The same remark applies to columns 1, 6, 8, 21, 22 and 25 of Table VII—Daily Results of Meteorological Observations.

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

In Table VI. are given certain Meteorological Observations made at the Aerological Station at Vacoas (424·55 metres) which was opened for continuous work in November 1924.

The amount of cloud at Vacoas is the mean of eight observations made at intervals of three hours from 0^h to 21^h.

The rainfall refers to the Civil Day counting from 0^h to 24^h, as at Pamplemousses.

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

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

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

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

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

A clear day is a day on which the mean amount of cloud was 3 or less and an overcast day one on which it was 7 or more.

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

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

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

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

The observations of the Direction of Cloud and the Velocity-Height-ratio, given in Table XVI, are made with a Fineman nephoscope at the Vacoas Aerological Station.

Interim accounts of cyclonic storms which occur in the South Indian Ocean together with observations received from the various reporting stations and those made on board ships trading with Mauritius are published in the bulletin as opportunity offers.

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

A. WALTER,
Director.

February 9, 1925.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of JANUARY 1925

Month and Day. 1924	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force.	Vertical Force.
	° ′				Unit 1 γ	
JAN.						
1	11° 4·0	·22921	·29901	3·7	34	14
2	11° 3·8	921	898	4·6	37	9
3	11. 4·5	933	895	7·2	48	20
4	11° 4·2	924	901	3·9	21	5
5	11. 4·4	924	898	5·6	59	13
6	11. 5·0	920	895	6·2	32	24
7	11. 4·8	925	896	5·4	31	12
8	11. 4·7	927	894	10·0	20	22
9	11. 5·4	926	895	7·2	26	24
10	11. 5·2	930	891	6·4	24	28
11	11. 5·8	928	888	7·4	15	31
12	11. 5·4	931	891	6·8	15	23
13	11. 5·7	933	892	7·8	64	21
14	11. 5·3	927	894	7·4	28	21
15	11. 5·3	931	892	8·6	21	29
16	11. 4·6	945	894	9·4	27	18
17	11. 6·4	922	900	5·4	55	13
18	11. 5·4	925	898	4·6	37	14
19	11. 6·0	919	901	4·8	72	18
20	11° 6·7	907	906	7·0	57	20
21	11. 6·3	921	899	6·0	46	27
22	11. 6·3	925	901	7·2	27	24
23	11. 6·2	924	904	6·8	38	8
24	11. 7·1	923	902	9·8	29	34
25	11° 6·2	919	910	5·0	41	16
26	11. 6·4	926	906	11·6	38	24
27	11. 6·0	922	904	8·6	23	21
28	11. 6·0	922	909	6·6	28	8
29	11. 5·7	925	904	7·0	20	19
30	11. 6·3	929	908	6·2	25	12
31	11° 6·2	931	908	5·2	17	8
Mean	11° 5·53	·22925	·29899	6·75	34·0	18·7

Description of the Principal Magnetic disturbances.

The following notes give a brief description of the principal magnetic disturbances. The movements in Horizontal Force and Vertical force are expressed in C.G.S. units.

The term "wave" indicates a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "oscillations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and —denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

JANUARY 1925.

d h 13.12	h to 14½	A series of rapid fluctuations in H.F. V.F. & Dec.
16.23½	to 17.2	Irregular positive wave in H.F. (25 γ) with irregular undulations from $16^d.14^h$ to $17^d.10^h$ more active during the wave. In V.F. small fluctuations throughout.
18.23½	to 19.4	Two successive shallow waves in H.F. (+15 γ +15 γ). $19^d.17^h$ to $20^d.7^h$ long wave in H.F. (—70 γ) with small superposed undulations. $20.^d18^h$ to $22^d.0^h$ small undulations. In V.F. small fluctuations throughout.
23.18.30	to 23	Negative wave in H.F. (35 γ) with small superposed undulations.

T=0·37676: Mean Dip.=θ=52°.31′·25. (X=·22498: Y=—·04410: Z=·29899).

† 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 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South).					
				A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
JAN. 1. 9.55	11. 2.25	JAN. 5.11.04	·22941	JAN. 1.10.10	52.32.00	·29919	JAN. 1.13·55	52.32.50	·29902
1.14.06	11. 6.71	13.24	·22942	9. 9.07	52.31.37	·29907	9.13.10	52.30.75	·29867
9. 9.20	11. 7.90	24. 9·17	·22932	30. 9.03	52.31·15	·29915	30.13.45	52.31·75	·29908
13.30	11. 3.04	12.48	·22944						
22. 9.34	11. 7·35	30. 9·58	·22945						
.12.58	11. 3·23	13·22	·22922						

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

JANUARY 1925.

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

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

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

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

JANUARY 1925.

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	924	920	922	920	919	910	920	920	925	926	928	923	932	921	929	930	Midnight
1h	923	920	923	920	920	910	920	924	926	926	927	926	932	920	928	930	1h
2	922	920	923	920	920	912	920	921	928	929	927	928	933	921	929	930	2
3	924	920	923	919	927	917	924	922	930	928	928	928	937	927	929	931	3
4	928	919	923	918	925	917	925	920	932	927	928	929	937	922	929	931	4
5	929	918	924	919	930	919	924	920	930	927	927	930	937	922	926	933	5
6	930	919	927	922	930	920	927	923	930	930	929	930	939	923	928	938	6
7	937	923	938	928	930	922	929	928	937	936	930	937	940	929	932	942	7
8	932	930	950	933	930	925	931	929	935	937	929	930	941	928	939	940	8
9	929	933	960	939	940	930	940	937	939	937	930	930	950	930	940	947	9
10	929	941	967	939	958	940	944	940	939	942	935	935	960	937	945	952	10
11	922	934	960	935	951	939	939	940	930	944	933	938	967	948	946	956	11
Noon	921	920	949	932	942	933	930	930	920	938	930	932	960	942	932	950	Noon
13h	918	909	947	927	943	928	928	929	913	934	925	931	957	934	930	950	13h
14	910	904	944	920	938	910	927	925	913	932	930	934	950	930	935	948	14
15	903	904	930	920	920	908	914	922	919	930	930	933	927	922	925	955	15
16	910	909	920	922	918	910	913	927	920	930	933	932	920	921	925	952	16
17	915	924	928	927	911	920	922	932	925	933	933	934	915	925	929	953	17
18	917	929	926	920	908	920	927	933	923	931	930	934	917	928	930	952	18
19	911	922	920	918	899	918	922	929	921	921	924	930	908	926	930	950	19
20	919	921	919	919	900	916	920	927	920	920	921	929	903	924	928	950	20
21	917	920	920	920	904	917	918	925	920	920	920	927	910	923	927	947	21
22	918	920	920	920	905	918	917	920	920	922	920	928	914	923	926	957	22
23	919	920	920	920	908	920	918	922	924	924	921	927	918	926	927	940	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	958	910	931	870	919	930	920	930	910	916	916	910	917	926	930	921·4	Midnight
1h	937	915	932	877	911	925	922	920	912	919	919	911	918	923	928	920·8	1h
2	930	921	919	894	910	929	927	929	912	920	920	913	920	926	937	922·3	2
3	927	917	922	900	919	926	922	920	914	920	924	917	920	929	929	923·2	3
4	927	919	915	899	913	923	922	920	916	921	927	918	922	929	930	923·9	4
5	921	919	921	910	918	920	921	917	915	920	930	919	924	930	930	923·5	5
6	928	921	930	925	919	924	921	922	919	927	930	922	926	930	927	926·3	6
7	941	932	936	927	919	923	918	929	921	930	929	930	929	931	927	930·3	7
8	940	939	935	920	924	920	914	931	929	930	922	938	928	932	930	931·3	8
9	942	940	940	923	930	929	920	928	939	928	921	937	935	938	935	935·4	9
10	931	942	941	920	938	937	933	937	942	932	922	935	937	940	940	939·7	10
11	928	947	939	910	952	935	940	939	948	940	935	934	936	942	942	940·3	11
Noon	922	940	930	910	943	940	934	938	943	943	930	932	930	940	935	934·5	Noon
13h	924	930	927	905	939	940	928	928	930	947	923	934	927	930	927	930·4	13h
14	910	923	922	903	927	940	920	927	920	947	925	930	923	922	925	926·3	14
15	903	914	930	898	908	930	923	927	910	940	924	920	927	917	929	921·4	15
16	910	918	930	900	906	920	921	923	907	930	922	915	923	917	929	920·4	16
17	919	920	950	909	910	919	920	912	908	928	920	918	920	921	927	923·4	17
18	913	920	936	914	908	915	927	912	910	922	919	919	920	927	928	923·1	18
19	911	917	900	908	914	914	927	911	911	917	920	915	922	928	933	919·3	19
20	911	919	889	907	918	913	902	913	911	912	920	918	923	927	933	917·8	20
21	910	920	877	908	914	914	918	912	911	909	915	918	923	927	929	917·3	21
22	909	920	873	901	918	917	929	917	912	910	915	918	924	928	930	918·4	22
23	910	920	869	912	927	920	938	910	916	917	912	918	922	929	930	919·5	23

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

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

JANUARY 1925.

Hour. \ Day.	1.d	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000 + (C.G.S. UNIT).																
Midnight	900	900	900	900	900	900	897	898	895	896	894	895	895	900	900	900	Midnight
1h	900	900	900	900	900	900	897	898	895	896	894	894	895	900	900	900	1h
2	900	900	900	900	900	900	898	898	895	896	894	894	894	900	900	900	2
3	900	900	900	900	900	900	898	898	895	896	894	894	894	899	900	900	3
4	900	900	900	900	900	900	898	899	896	897	894	894	894	899	900	900	4
5	900	900	900	900	900	900	899	900	897	898	895	894	895	900	900	900	5
6	900	900	901	900	900	902	899	902	902	899	898	896	897	900	902	900	6
7	900	900	901	900	899	904	901	902	908	900	901	899	901	901	901	899	7
8	902	900	900	900	898	902	899	900	906	899	900	899	900	902	889	897	8
9	908	899	900	903	895	897	896	895	902	894	894	900	896	900	885	894	9
10	912	898	900	903	890	889	893	890	899	887	887	896	894	894	885	887	10
11	907	893	892	900	889	885	890	882	895	882	882	890	889	891	876	886	11
Noon	904	891	885	902	892	888	889	880	890	878	878	882	882	889	873	885	Noon
13h	901	892	882	904	898	893	891	883	888	872	872	878	881	881	879	884	13h
14	901	895	881	902	898	892	896	889	890	872	870	877	880	882	879	882	14
15	901	895	883	901	897	885	893	892	890	882	870	877	883	885	880	883	15
16	899	896	890	904	899	880	893	890	887	888	875	880	886	889	887	890	16
17	898	897	893	905	900	885	892	890	884	890	882	886	890	889	890	897	17
18	899	899	894	905	902	890	892	891	886	892	885	890	891	890	892	898	18
19	900	900	895	903	902	895	895	892	891	893	888	892	892	892	894	898	19
20	900	900	896	901	902	896	896	893	892	892	889	892	896	893	895	897	20
21	900	900	897	900	900	896	897	894	894	893	890	893	896	895	897	896	21
22	900	900	898	901	900	897	897	895	895	895	892	894	897	897	898	896	22
23	900	900	899	900	900	897	898	895	895	895	893	895	898	898	899	897	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	901	903	901	912	905	902	904	906	910	910	910	911	911	910	910	902·5	Midnight
1h	900	903	901	913	906	903	905	908	910	910	910	911	911	910	910	902·6	1h
2	902	903	902	916	907	904	905	910	910	910	910	911	911	910	910	902·9	2
3	902	903	902	914	908	906	906	910	910	910	910	910	910	909	910	902·8	3
4	901	903	903	914	908	907	906	910	910	910	909	910	910	909	910	902·9	4
5	902	903	904	912	908	908	907	910	910	910	909	910	910	909	909	903·2	5
6	905	904	905	911	910	910	908	912	910	911	910	911	910	910	910	904·4	6
7	902	904	905	910	909	911	908	911	919	914	914	911	910	910	908	904·9	7
8	900	898	901	908	900	907	905	907	903	912	907	909	910	912	909	902·6	8
9	896	898	901	904	894	902	901	900	902	910	899	909	900	911	910	899·8	9
10	893	898	899	901	890	900	900	894	903	905	897	909	896	900	908	897·0	10
11	892	892	898	898	890	894	900	883	908	894	893	908	894	908	902	893·0	11
Noon	896	890	896	896	883	890	904	878	911	890	896	909	893	908	903	891·3	Noon
13h	898	891	895	897	890	887	904	880	917	890	898	909	892	909	904	891·6	13h
14	898	895	896	901	890	890	903	886	918	894	897	907	896	906	906	892·5	14
15	897	892	894	903	893	893	906	893	913	900	898	903	899	906	907	893.4	15
16	899	891	892	904	892	895	903	900	911	907	899	903	899	904	907	894·8	16
17	899	893	891	903	893	897	901	903	911	908	900	904	899	901	907	896·1	17
18	901	899	897	903	898	899	900	907	912	909	902	908	900	900	908	898·0	18
19	900	900	902	903	903	903	903	906	910	909	905	910	901	903	909	899·6	19
20	900	901	902	903	902	903	903	906	910	909	907	910	904	905	908	900·1	20
21	901	900	903	905	903	903	906	908	910	910	909	910	906	906	908	900·8	21
22	902	900	909	904	903	902	905	909	910	910	909	910	908	908	908	901·6	22
23	902	901	909	905	903	902	904	909	910	910	909	911	909	909	909	902·0	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·55 metres above mean sea-level) during the MONTH of JANUARY 1925.

Month and Day 1925.	Observations at 10 a.m.								Amount of Cloud (Scale 0—10)	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 of the Dew Point.	Relative Humidity (Sat.: 100)	Tension of Aqueous Vapour.	Wind. Direction in points.	Wind. Velocity.*				
	mbs.	c	c	c	%	mbs.		m.p.s.		m.m.	hrs.	
JAN. 1	970·0	26·2	4·5	18·6	63	21·2	8	1	5·8	...	5·6	42
2	964·6	25·4	3·6	19·3	69	22·2	8	3	4·9	0·1	8·8	66
3	964·4	25·4	3·7	19·1	68	21·9	6	2	5·5	...	7·3	55
4	964·8	25·3	3·8	18·8	67	21·5	7	2	4·1	...	10·5	80
5	964·5	26·2	3·2	20·8	72	24·3	24	1	5·9	...	2·9	22
6	963·9	26·1	3·6	20·0	69	23·2	10	2	6·8	15·0	4·7	36
7	964·2	26·0	3·4	20·3	71	23·6	7	2	5·4	3·5	6·2	47
8	966·0	25·9	3·4	20·2	71	23·4	8	5	4·0	...	9·6	73
9	964·8	25·7	3·7	19·5	69	22·4	6	4	5·0	...	0·2	1
10	963·6	22·9	0·9	21·3	91	25·1	5	4	4·9	37·0	6·8	52
11	962·6	25·4	3·1	20·1	73	23·3	27	0·5	4·0	...	5·0	38
12	961·8	25·9	4·2	18·8	65	21·5	16	0	3·5	10·0	7·2	55
13	962·9	22·8	0·9	21·2	91	24·9	6	3	5·1	6·4	2·0	15
14	963·8	23·6	1·7	20·7	84	24·2	10	3	6·1	12·4	6·1	46
15	965·1	22·8	1·6	20·0	84	23·2	10	3	6·4	1·4	5·0	38
16	963·0	24·2	2·8	19·4	75	22·3	7	6	6·3	32·4	4·9	37
17	963·8	25·0	3·8	18·5	67	21·1	8	4	2·8	...	8·8	67
18	965·3	25·3	4·3	18·0	64	20·4	9	4	2·3	...	10·8	82
19	966·7	22·9	1·0	21·2	90	24·9	9	3	7·4	10·0	0·8	6
20	966.1	25·3	3·2	19·8	72	22·9	7	6	2·5	1·5	11·9	91
21	963·5	27·1	4·1	20·2	66	23·4	4	3	7·1	...	5·9	45
22	962·4	24·4	1·9	21·1	82	24·8	8	4	8·5	21·0	11·0	84
23	961·9	25·7	2·6	21·3	77	25·1	9	4	5·4	9·5	3·5	27
24	962·9	25·8	3·6	19·7	69	22·7	11	3	2·0	...	11·9	91
25	964·2	26·7	1·9	23·5	83	28·7	9	3	4·0	...	6·6	50
26	965·1	25·2	1·4	22·8	87	27·5	10	2	4·5	3·5	5·2	40
27	966·8	25·1	1·0	23·4	90	28·5	9	5	4·3	2·5	10·3	79
28	958·1	24·3	0·5	23·4	95	28·5	8	5	5·3	1·5	8·7	67
29	967·4	23·4	0·4	22·7	96	27·3	9	5	8·0	10·5	5·1	39
30	965·1	24·5	0·6	23·5	95	28·7	8	6	6·3	27·5	8·2	63
31	963·4	25·1	0·4	24·4	96	30·3	9	7	5·4	5·0	11·9	92
Mean	964·6	25·2	2·7	20·7	77·8	24·3	° S.88·4E.	3·7	5·1	Sum 210·7	6·88	52·4
Column	1	2	3	4	5	6	7	8	9	10	11	12

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

Mean for the month at 10 a.m.:

Atmospheric Presssure	+ 40·8 mbs.
Temperature of the Air	+ 3.0 C.
Vapour Tension	+ 0·8 mbs.
Relative Humidity	— 11·7 %
Direction of Wind	2° 1 South
Velocity of Wind	— 0·6 mps.

Duration of sunshine	= +67 hours
Amount of cloud	= + 0·2
Amount of rain	= —50·8 mm.

* South(0); East (8); North (16) &c.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1925.

Month and Day 1925.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
JAN.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1005·7	− 0·8	30·9	21·3	9·6	25·6	− 0·2	2·5	21·4	+ 0·8	78	+ 4	25·2	19·1	6·1	25	7·1	3·3
2	1005·3	− 1·1	29·9	23·0	6·9	26·0	+ 0·2	3·1	20·8	+ 0·1	73	− 1	24·3	19·9	0·0	...	8·0	3·8
3	1004·9	− 1·4	29·8	22·4	7·4	25·9	+ 0·1	3·1	20·7	0·0	73	− 1	24·2	19·3	0·0	...	7·5	4·6
4	1005·6	− 0·7	30·9	20·1	10·8	25·9	0·0	3·0	20·8	0·0	73	− 1	24·3	17·3	3·4	10	7·0	5·5
5	1005·3	− 0·9	29·4	22·1	7·3	25·1	− 0·8	1·8	22·0	+ 1·2	83	+ 9	26·2	19·9	3·0	30	4·0	5·8
6	1004·7	− 1·4	30·4	21·6	8·8	25·6	− 0·3	2·2	21·9	+ 1·1	80	+ 5	26·0	19·1	4·4	15	6·4	5·1
7	1005·3	− 0·7	29·9	22·0	7·9	25·8	− 0·1	2.7	21·2	+ 0·3	76	+ 1	24·9	18·6	0·0	...	8·7	4·5
8	1006·3	+ 0·3	30·7	23·3	7·4	26·4	+ 0·5	3·1	21·2	+ 0·3	73	− 2	24·9	21·1	0·0	...	9·0	5·2
9	1005·6	− 0·3	30·3	23·4	6·9	25·8	− 0·1	2·3	21·9	+ 0·9	79	+ 4	26·0	21·0	3·1	55	4·1	6·9
10	1003·7	− 2·1	28·3	22·9	5·4	25·3	− 0·6	1·8	22·2	+ 1·2	83	+ 8	26·5	20·2	2·5	60	4·3	7·3
11	1003·0	− 2·8	29·6	22·9	6·7	25·3	− 0·6	1·6	22·6	+ 1·6	85	+ 10	27·1	19·5	21·2	70	5·2	4·7
12	1002·5	− 3·2	29·7	21·7	8·0	25·4	− 0·5	2·1	21·8	+ 0·7	81	+ 6	25·9	18·7	0·0	...	5·0	5·2
13	1003·2	− 2·5	28·2	23·4	4·8	25·2	− 0·8	2·0	21·8	+ 0·7	82	+ 6	25·9	20·8	15·3	65	3·9	5·8
14	1004·9	− 0·7	30·5	22·8	7·7	25·9	− 0·1	2·6	21·5	+ 0·4	77	+ 1	25·4	20·2	13·0	30	5·0	7·0
15	1005·3	− 0·2	29·9	22·4	7·5	25·7	− 0·3	2·6	21·3	+ 0·1	77	+ 1	25·1	19·9	3·9	25	7·9	6·0
16	1004·0	− 1·5	28·1	22·2	5·9	25·0	− 1·0	2·8	20·2	− 1·0	75	− 1	23·4	19·5	21·3	135	9·3	7·6
17	1004·7	− 0·7	29·1	20·2	8·9	25·0	− 1·0	3·1	19·7	− 1·5	72	− 4	22·7	16·5	0·0	...	7·7	3·0
18	1006·5	+ 1·1	29·8	21·4	8·4	25·6	− 0·4	2·9	20·7	− 0·6	75	− 1	24·2	18·5	0·0	...	8·4	3·2
19	1007·4	+ 2·1	29·5	22·8	6·7	25·8	− 0·2	2·7	21·2	− 0·1	76	0	24·9	19·6	0·2	5	7·2	4·7
20	1006·0	+ 0·7	29·8	23·2	6·6	26·2	+ 0·2	3·3	20·6	− 0·7	71	− 6	24·0	20·5	0·0	...	7·5	2·7
21	1004·3	− 0·9	29·7	23·1	6·6	25·3	− 0·7	1·7	22·4	+ 1·0	84	+ 7	26·8	19·8	23·9	155	2·9	6·3
22	1003·3	− 1·9	29·3	23·9	5·4	25·6	− 0·4	1·8	22·6	+ 1·2	83	+ 6	27·1	23·2	7·2	135	9·2	9·4
23	1003·1	− 2·0	29·6	23·7	5·9	26·3	+ 0·3	2·6	21·9	+ 0·5	77	0	26·0	20·7	0·0	...	7·2	5·8
24	1004·1	− 1·0	30·0	22·5	7·5	26·1	+ 0·1	2·7	21·5	+ 0·1	76	− 1	25·4	19·5	0·0	...	7·6	2·5
25	1005·2	+ 0·2	30·9	22·7	8·2	26·6	+ 0·6	2·8	21·9	+ 0·4	75	− 2	26·0	19·4	0·0	...	7·0	3·9
26	1006·1	+ 1·1	31·0	23·4	7·6	26·9	+ 0·9	2·9	22·0	+ 0·5	75	− 2	26·2	20·2	0·0	...	5·5	5·5
27	1007·8	+ 2·9	29·4	23·4	6·0	26·3	+ 0·3	2·9	21·4	− 0·1	74	− 4	25·2	20·9	3·3	30	8·8	5·9
28	1008·7	+ 3·8	29·0	23·4	5·6	25·9	− 0·1	2·8	21·2	− 0·3	75	− 3	24·9	20·6	3·4	80	8·2	5·2
29	1008·0	+ 3·2	28·8	23·2	5·6	25·7	− 0·3	2·6	21·3	− 0·3	77	− 1	25·1	21·2	10·2	65	9·2	7·0
30	1005·9	+ 1·2	28·9	23·2	5·7	25·6	− 0·4	2·9	20·7	− 0·9	74	− 4	24·2	20·8	0·3	40	7·3	6·4
31	1005·0	+ 0·3	28·5	22·4	6·1	25·5	− 0·5	3·1	20·2	− 1·4	73	− 5	23·4	19·4	4·2	10	8·2	5·5
Mean	1005·2	− 0·3	29·7	22·6	7·1	25·8	− 0·2	2·6	21·4	+ 0·2	76·9	+ 0·9	25·2	19·8	Sum 149·9	Sum 1040	6·9	5·3
Aver.	1005·5	...	29·9	22·6	7·3	26·0	...	2·9	21·2	...	76·0	...	24·9	20·4	197·1	2101	5·9	6·2
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JANUARY 1925.

Although there was greater variability in the Meteorological Elements during the month of January than in the previous two months, pressure gradients across the Indian Ocean, as far North as Seychelles, remained stable throughout the early part of the month.

There were indications of a cyclonic storm East of Rodrigues on the 3rd and 4th.

Pressure was below normal for the first half of the month, and two marked positive waves, accompanied by anticyclonic conditions, occurred during the latter half.

Pressure gradients steepened toward Seychelles and Madagascar on the 24th and strong trades set in on the 28th, the area to the North of Mauritius showing indications of unstable pressure conditions, but no cyclone had formed up to the 31st.

Temperature was below normal on all days except 2nd, 3rd, 8th, 20th and from the 23rd to 27th and was 0.2C. below in the mean.

Relative Humidity and Vapour Tension were above normal. Cloudiness was 15% below and sunshine 20% above normal. Wind Direction was 10° more Southerly than normal.

Rainfall at the Observatory was 24% below normal in amount and 50% below in duration.

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

Northern Districts	River System 1,	32 % below	Western Districts	River System 11	12% below
Eastern Districts	,, ,, 2, 3, 4,	38 % ,,		,, ,, 12	14% ,,
South-Eastern Districts	,, ,, 5 & 6	38 % ,,		,, ,, 13	1% ,,

February 9, 1925.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1925

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
JAN.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	8·4	63	+ 0·1	− 0·1	225	0·1	1·7	− 1·8	24·8	25·7	26·7	27·2	...	27·3	28·0	c.f. .
2	12·1	91	− 0·5	+ 2·1	77	2·1	2·5	− 1·0	24·8	25·7	27·0	27·5	...	27·5	28·0	f. .
3	10·3	77	− 1·0	+ 0·7	35	1·2	2·2	− 1·3	24·8	25·7	27·0	28·0	...	27·8	28·1	b. : c.f. c. c.f.
4	10·4	79	− 1·0	+ 1·1	48	1·5	1·8	− 1·7	24·8	25·7	27·2	28·0	...	27·8	28·1	b. : c. : : c.f.
5	3·1	24	− 0·3	+ 0·6	63	0·6	1·3	− 2·2	24·8	25·7	27·3	28·0	...	27·9	27·9	b. : c.q. : c.f.
6	7·0	53	− 0·2	+ 0·6	72	0·7	1·5	− 2·0	24·9	25·7	27·4	27·8	...	27·6	27·8	b. : c. : c.f. .
7	10·2	77	− 1·0	+ 2·3	67	2·5	2·7	− 0·8	24·9	25·7	27·4	27·9	...	27·7	28·0	c.f. c.f. .
8	11·8	89	− 1·4	+ 3·1	66	3·4	3·5	− 0·0	24·9	25·8	27·5	28·2	...	28·0	28·4	c.f. : c. : o. .
9	5·3	40	− 1·0	+ 1·1	48	1·5	2·2	− 1·3	24·9	25·9	27·6	28·2	...	28·0	28·2	c.f. : c.t. : o. : c.
10	6·0	45	− 1·8	+ 1·0	29	1·7	3·4	− 1·1	24·9	25·9	27·7	28·2	...	28·0	28·0	c.f. : o.g.d. : c.f.
11	5·0	38	− 0·8	+ 0·7	41	1·0	1·5	− 2·0	24·9	25·9	27·8	28·0	...	27·8	27·5	c.f. : o.g.t. : c.f.
12	5·6	43	0·0	+ 0·9	90	0·9	1·5	− 2·0	24·9	26·1	27·8	27·9	...	27·2	27·1	c.f. : c.g. : c.f.
13	5·5	42	− 0·5	+ 2·7	79	2·7	2·9	− 0·6	24·9	25·9	27·7	27·8	...	27·2	27·0	c.f. : c.d. o.r. : c.f.
14	7·6	58	+ 0·3	+ 2·6	97	2·6	3·0	− 0·5	24·9	25·9	27·7	27·7	...	27·2	27·2	o.r. c. .
15	8·6	65	− 0·2	+ 2·3	85	2·3	2·4	− 1·1	25·0	25·9	27·7	28·0	...	27·6	27·8	c.f. c.
16	7·1	54	− 1·0	+ 2·5	68	2·7	2·8	− 0·7	24·9	25·9	27·7	28·1	...	27·4	27·2	c. : c.f. .
17	12·2	93	+ 0·1	+ 2·6	92	2·6	2·8	− 0·7	24·9	25·9	27·8	28·0	...	27·4	27·4	b. : c.f. .
18	12·7	97	− 0·2	+ 3·0	86	3·0	3·1	− 0·4	24·9	26·0	27·8	28·1	...	27·8	28·0	b. : c.f. .
19	9·0	69	− 0·2	+ 2·5	85	2·5	2·7	− 0·8	25·1	26·1	27·9	28·4	...	27·9	28·3	c.f. .
20	12·6	96	− 2·0	+ 3·3	59	3·8	3·9	+ 0·4	25·0	26·1	27·9	28·5	...	27·9	28·1	c.f. .
21	2·2	17	− 0·6	+ 0·1	10	0·6	1·8	− 1·7	25·1	26·4	27·8	28·3	...	27·9	27·7	b. : c.f. : o.g.p. .
22	7·8	60	+ 0·3	+ 2·8	96	2·8	3·0	− 0·5	25·1	26·2	28·0	28·2	...	28·0	28·1	c.g. : o.g.p. .
23	11·7	89	+ 0·4	+ 3·1	97	3·1	3·2	− 0·3	25·1	26·1	28·0	28·5	...	28·2	28·5	c.f. .
24	11·9	91	+ 0·5	+ 2·1	103	2·2	2·2	− 1·3	25·1	26·1	28·1	28·9	...	28·3	28·5	b. c.f. b. .
25	10·6	81	+ 0·5	+ 1·6	107	1·7	1·8	− 1·7	25·2	26·1	28·2	29·0	...	28·6	28·9	b : c.f. .
26	11·1	85	+ 0·3	+ 1·8	100	1·8	1·9	− 1·6	25·1	26·4	28·3	29·1	...	28·8	29·3	c.f. c.
27	12·4	95	− 0·3	+ 3·2	85	3·2	3·3	− 0·2	25·1	26·9	28·4	29·2	...	28·8	28·9	c.d. c. c.f. .
28	10·7	82	− 1·2	+ 4·3	74	4·4	4·5	+ 1·0	25·1	26·6	28·5	29·1	...	28·3	28·1	b.c. : c.f. : c.f.g. .
29	10·2	78	− 1·5	+ 5·0	73	5·2	5·3	+ 1·8	25·3	26·8	28·5	28·7	...	27·9	27·8	c.f. . c.d.q.g. .
30	9·1	70	− 1·0	+ 4·6	78	4·7	4·8	+ 1·3	25·2	26·3	28·4	28·4	...	27·6	27·4	b.c. : c. .
31	12·2	94	− 0·5	+ 3·9	83	4·0	4·1	+ 0·6	25·2	26·3	28·4	28·3	...	27·5	27·4	c.f. : c.q. :
Mean	9·04	68·9	−0·51	+2·20	77·0	2·26	2·72	− 0·78	24·98	26·00	27·81	28·23	...	27·84	27·96	...
Average	7·70	58·5	−0·12	+2·50	87·2	2·50	3·50	...	24·81	26·45	...	...	...	28·87	28·86	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JANUARY 1925.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1009·8 mbs	at	22h	on 28th	1001·2 mbs	at 16h	on 12th
Temperature of the Air	31·0C	at	15h10	on 26th	20·1C	at 5h50	on 4th
Daily range of temperature of the Air...	10·8C		...	on 4th	4·8C	...	on 13th
Temperature of the Dew Point	25·7C	at	11h	on 12th	18·2C	at 17h	on 6th
Daily range of temperature of the Dew Point	4·4C		...	on 5th	1·8	...	on 30th
Relative humidity...	95·9%	at	18h	on 6th	64%	at 11h	on 3rd
Wind Velocity	8·0 m.p.s.	at	9h	on 29th	0·6mps	often	on 4,5,6,7, & 12th
Rainfall	28·1 m.m.	ending	7h	on 22nd	...	...	...
Temperature of the soil at 3 ins. ...	31·1C	at	18h	on 26th	25·7C	at 6h	on 16th
,, ,, at 6 ins. ...	29·5C	at	21h	on 26th	26·6C	at 9h	on 14th
Duration of sunshine...	12·7 hrs.		...	on 18th	2·2 hrs.	...	on 21st
Amount of Evaporation in 24 hours	9·3mm.		...	on 16th	2·9 m.m.	...	on 21st
Vapour Tension	32·7 mbs	at	11h	on 12th	20·7 mbs	at 17h	on 6th
Minimum on Grass	...		...	...	16·5C	...	on 17th

Number of Days Overcast, 5, Clear 3, of Rain 19, of Lightning 0, of Thunderstorm 2.

Mean Day Temperature of Air 27·68C, Average 27·74C, Mean Night Temperature of Air 23·82C, Average 23·98C.

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

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

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

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day \ Hour
Midnight	0049	0058	0078	0070	0050	0043	0038	0048	0062	0060	0082	0092	0091	0080	0061	1005·8	Midnight
1h	0046	0053	0072	0067	0048	0039	0037	0046	0060	0059	0079	0088	0088	0074	0058	1005·4	1h
2	0043	0052	0071	0065	0047	0036	0030	0038	0058	0056	0075	0082	0079	0067	0049	1005·0	2
3	0041	0051	0069	0061	0040	0034	0028	0036	0055	0052	0070	0082	0078	0062	0047	1004·8	3
4	0040	0051	0069	0062	0037	0032	0028	0038	0050	0051	0069	0080	0072	0060	0042	1004·7	4
5	0041	0058	0072	0065	0041	0031	0029	0036	0048	0049	0069	0086	0077	0059	0042	1004·9	5
6	0050	0061	0078	0068	0050	0035	0031	0038	0051	0052	0073	0087	0079	0060	0048	1005·3	6
7	0054	0065	0082	0070	0056	0038	0033	0039	0056	0057	0076	0088	0086	0065	0048	1005·7	7
8	0056	0067	0083	0072	0055	0039	0035	0041	0058	0057	0077	0091	0087	0067	0050	1005·8	8
9	0057	0067	0082	0074	0052	0040	0034	0046	0058	0063	0078	0091	0087	0067	0050	1005·9	9
10	0056	0067	0079	0072	0048	0038	0035	0046	0058	0064	0080	0094	0087	0066	0051	1005·8	10
11	0048	0067	0077	0068	0046	0035	0034	0040	0057	0065	0081	0093	0086	0059	0051	1005·6	11
Noon	0047	0067	0076	0059	0045	0029	0031	0036	0054	0062	0079	0090	0079	0056	0048	1005·3	Noon
13h	0045	0067	0073	0057	0043	0026	0028	0030	0048	0059	0077	0089	0077	0050	0047	1004·9	13h
14	0038	0059	0068	0055	0038	0020	0020	0028	0044	0056	0075	0082	0070	0048	0046	1004·5	14
15	0035	0058	0066	0048	0031	0018	0018	0025	0038	0053	0070	0078	0068	0042	0038	1004·1	15
16	0035	0057	0060	0041	0030	0018	0016	0026	0036	0051	0069	0075	0066	0045	0038	1003·9	16
17	0035	0058	0060	0041	0030	0023	0015	0028	0033	0051	0070	0077	0066	0045	0040	1004·0	17
18	0038	0063	0068	0047	0034	0028	0020	0031	0038	0058	0072	0080	0070	0047	0045	1004·5	18
19	0048	0072	0074	0051	0038	0038	0029	0042	0048	0066	0078	0089	0077	0057	0049	1005·2	19
20	0051	0077	0078	0057	0040	0039	0038	0051	0057	0072	0086	0091	0081	0060	0057	1005·6	20
21	0058	0080	0078	0060	0048	0039	0042	0058	0060	0078	0090	0093	0090	0061	0060	1006·0	21
22	0060	0085	0079	0060	0048	0041	0048	0066	0061	0082	0092	0098	0090	0068	0063	1006·2	22
23	0059	0082	0077	0059	0048	0041	0049	0067	0062	0083	0095	0097	0088	0067	0066	1006·2	23

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

Hour. \ Day.	JANUARY 1925.																															
	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	2	1	1	1	0	3	2	3	9	5	1	3	6	7	9	2	0	1	1	0	10	9	0	0	1	9	4	5	4	4	3·3
1h	0	3	1	1	1	0	3	2	3	8	3	1	3	8	6	8	1	0	1	1	0	10	9	0	0	1	9	3	6	3	3	3·2
2	0	3	1	1	1	0	3	2	4	8	3	1	4	9	5	9	1	0	2	2	0	9	9	0	0	2	9	1	5	2	1	3·1
3	0	4	1	1	2	0	3	2	4	8	3	2	4	10	4	9	1	1	4	2	0	9	8	1	1	2	9	1	4	2	1	3·3
4	0	4	1	2	2	0	3	4	4	7	3	1	4	7	4	10	1	2	5	2	1	10	9	1	1	2	6	3	5	2	1	3·5
5	0	3	3	2	4	1	3	6	3	5	4	2	5	6	4	10	2	2	6	2	2	9	8	1	1	2	3	4	5	4	2	3·7
6	2	3	3	9	4	1	3	8	3	6	3	2	4	7	3	10	2	2	8	3	2	9	8	2	4	3	2	3	5	6	3	4·3
7	2	4	4	9	5	1	8	7	2	8	4	2	9	6	4	10	2	2	9	2	2	9	6	3	4	2	5	4	8	7	4	5·0
8	3	5	5	8	6	3	8	6	4	8	3	4	8	7	5	9	3	3	8	3	1	9	6	4	5	5	6	4	8	7	5	5·5
9	5	6	6	8	7	6	8	5	5	8	3	5	7	7	5	8	4	4	7	4	5	9	6	5	7	7	7	6	8	8	5	6·2
10	3	6	6	8	9	7	7	3	7	10	6	7	7	7	5	7	3	4	6	4	7	10	5	5	6	6	7	6	8	8	7	6·4
11	3	7	7	5	9	6	6	3	8	10	7	7	8	6	5	7	3	5	7	5	8	8	7	4	6	6	8	9	7	7	6	6·5
Noon	2	6	7	5	10	7	7	3	9	10	8	9	10	8	8	7	7	5	6	6	9	8	6	3	5	8	9	9	7	7	8	7·1
13h	2	6	7	5	10	8	6	3	9	10	8	9	7	8	7	6	6	6	7	5	10	9	5	4	5	7	8	7	5	8	9	6·8
14	2	5	7	5	10	8	5	3	9	10	10	10	7	7	7	5	6	6	5	5	10	9	5	6	5	6	7	6	6	9	10	6·8
15	2	4	8	5	9	10	4	9	8	10	9	9	6	6	7	5	6	6	7	6	10	10	7	3	5	6	6	6	8	9	9	6·9
16	8	4	9	7	9	9	4	8	10	9	9	9	7	8	7	6	6	6	6	5	10	10	8	4	6	6	5	6	9	8	7	7·3
17	10	3	9	8	9	10	5	8	10	6	9	9	8	9	7	7	5	7	5	3	10	10	7	4	7	7	6	7	9	9	5	7·4
18	9	3	8	9	10	9	4	6	10	4	5	9	8	9	7	8	5	7	4	1	10	10	6	4	8	8	5	4	8	9	3	6·8
19	8	3	7	9	8	7	4	6	10	6	3	8	5	8	6	8	3	5	3	2	10	10	5	3	7	8	4	8	9	8	4	6·3
20	7	2	4	7	6	9	4	8	10	5	2	6	4	5	6	8	2	2	2	1	10	10	2	2	4	8	2	6	10	8	6	5·4
21	5	2	2	7	4	10	4	9	10	4	1	4	2	2	8	8	1	1	1	0	10	10	1	1	2	8	1	5	10	8	8	4·8
22	3	2	2	6	3	6	2	6	9	4	2	4	3	4	9	8	0	0	1	0	10	10	0	0	2	8	4	6	7	6	9	4·4
23	2	1	1	3	2	4	2	4	9	5	2	3	5	8	8	5	1	0	1	0	10	9	0	0	1	9	7	7	5	4	10	4·1

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

Hour* Ending \ Day.	JANUARY 1925.																															
	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	16	0	0	0	10	15	0	4	15	12	2	10	0	8	0	0	15	15	0	18	0	0	0	5	0	5	12	0	0	0	1	2·7
7	58	58	55	54	59	60	9	60	60	14	60	60	27	50	60	0	60	60	0	60	0	8	55	60	58	60	60	29	35	22	56	22·8
8	60	60	60	60	60	60	55	60	60	54	60	60	55	60	60	30	60	60	30	60	0	48	60	60	60	60	60	60	60	59	60	28·5
9	60	60	59	60	12	60	50	60	60	45	60	60	45	60	60	46	60	60	42	60	42	54	60	60	60	60	58	60	60	54	60	28·4
10	60	60	60	60	8	60	60	60	60	33	50	35	40	60	60	55	60	60	60	60	58	50	60	60	60	60	60	60	60	53	60	28·4
11	60	60	59	18	0	60	55	60	40	12	10	21	60	50	60	55	60	60	60	60	20	60	60	60	60	60	60	32	60	60	60	25·2
Noon	60	60	53	60	0	55	60	60	4	0	0	2	5	47	58	0	60	60	55	60	1	60	45	60	60	45	60	24	45	60	60	21·3
13h	60	60	34	60	10	10	60	60	6	0	0	3	15	15	40	42	60	60	60	60	0	60	60	60	60	54	50	60	55	60	60	21·6
14	55	60	40	60	25	16	60	60	0	20	0	0	20	12	60	55	60	60	60	60	8	58	60	60	50	60	60	60	60	60	60	23·0
15	0	60	25	60	0	2	60	60	5	1	0	16	55	40	35	58	60	60	50	60	10	52	60	60	60	60	60	60	60	50	60	21·7
16	14	60	55	50	0	18	60	60	7	50	0	45	0	25	8	50	60	60	45	60	0	12	60	60	55	58	60	60	59	3	60	20·2
17	0	60	60	52	0	5	60	58	0	46	10	12	0	15	5	35	60	60	28	60	2	6	60	60	50	55	60	60	56	22	60	18·6
18	0	60	50	28	0	0	20	48	0	55	40	10	2	12	12	0	55	60	50	60	0	0	60	48	0	29	60	60	0	44	60	15·4
19	0	10	8	0	0	0	5	0	0	18	8	0	6	0	0	0	0	25	2	15	0	0	2	1	1	0	22	16	0	1	14	2·6

The total amount of registered sunshine was 280·4 hours and the total possible sunshine 407·4 hours.

* Reckoned from apparent midnight.

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 1925.

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.	
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Midnight	23·1	1·0	23·7	1·1	23·4	1·3	23·7	1·7	23·4	1·9	22.4	0·9	23·7	1·3	24·0	1·9	Midnight
1h	23·0	0·9	23·1	1·1	23·2	1·2	23·2	1·3	23·3	1·8	22·2	0·8	23·3	1·2	24·0	1·9	1
2	22·8	0·9	23·2	1·0	23·0	1·3	23·0	1·7	23·0	1·5	22·0	0·9	22·9	1·0	23·7	1·7	2
3	22·4	0·7	23·8	0·9	22·7	1·3	21·5	1·3	22·9	1·4	21·9	0·8	22·4	0·9	23·7	1·6	3
4	22·0	0·8	23·3	0·9	22·6	1·2	21·0	1·1	22·4	1·2	21·7	0·7	22·1	1·0	23·5	1·4	4
5	21·7	0·7	23·1	0·9	22·7	1·2	20·4	1·0	22·2	1·0	22·0	0·7	22·1	0·9	23·5	1·4	5
6	21·7	0·7	23·6	1·0	22·7	1·1	20·5	0·9	22·8	1·1	22·3	0·7	22·1	0·9	24·0	1·3	6
7	25·1	1·2	25·4	2·0	25·2	1·9	23·8	1·5	25·7	1·7	25·8	1·7	23·8	0·9	25·7	2·0	7
8	27·5	3·5	26·9	3·8	27·1	3·7	26·9	4·0	26·8	2·8	27·1	3·0	26·2	2·1	27·5	3·2	8
9	28·4	4·4	28·0	4·3	28·0	4·6	27·9	4·7	27·6	3·5	28·2	3·7	27·7	3·3	28·0	3·9	9
10	29·5	5·7	28·9	4·7	29·0	5·6	29·2	5·7	27·5	2·5	29·4	4·6	28·2	4·0	29·0	4·7	10
11	29·7	5·7	29·0	5·2	29·4	6·2	28·3	4·3	28·2	2·2	30·2	5·3	29·0	4·2	29·3	5·0	11
Noon	30·2	5·9	29·0	5·6	29·0	5·3	30·0	5·0	28·1	2·7	29·7	5·4	29·2	4·8	29·8	5·7	Noon
13h	30·1	6·1	29·1	5·4	28·7	4·6	30·6	5·1	28·7	3·0	28·3	3·4	29·2	4·6	29·9	5·9	13h
14	29·4	5·3	29·4	5·6	28·6	4·5	30·5	5·3	28·1	3·0	29·0	4·8	29·7	5·5	30·4	6·1	14
15	29·2	4·1	29·2	5·7	27·8	3·9	30·0	5·0	26·4	2·1	28·1	3·8	29·0	5·0	29·4	5·2	15
16	28·4	3·4	28·5	5·5	29·2	4·5	30·2	5·0	25·6	1·4	28·4	3·7	28·8	4·9	28·4	4·3	16
17	25·9	1·6	28·0	4·7	29·7	4·9	29·1	4·2	25·4	1·3	26·0	1·2	28·0	4·2	27·8	4·0	17
18	25·0	1·2	26·9	4·3	27·2	4·2	28·7	3·9	25·4	1·3	25·3	0·4	26·7	3·5	27·0	3·3	18
19	24·8	1·2	25·5	2·8	25·7	3·0	26·3	2·0	25·2	1·1	25·1	1·0	25·7	2·8	26·0	2·5	19
20	24·4	1·0	24·5	1·9	24·9	2·6	25·2	2·1	24·4	1·0	25·0	1·2	24·8	2·2	25·3	1·7	20
21	24·0	1·0	24·2	1·7	24·0	2·0	24·3	2·0	24·1	1·1	25·0	1·3	24·8	2·2	25·1	1·6	21
22	23·6	1·2	23·9	1·8	23·7	1·7	24·4	2·0	23·7	1·2	24·4	1·2	24·4	2·1	25·0	2·1	22
23	23·4	1·0	23·7	1·6	24·0	1·8	23·9	2·0	22·7	0·8	24·0	1·1	24·2	2·1	24·5	1·7	23

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

TABLE XI. (*Contd.*)—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 1925

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

Day. / Hour.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour.
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Midnight	23·8	1·2	24·0	1·1	25·0	1·5	24·0	1·5	24·8	1·9	23·8	1·4	23·7	1·6	23·8	1·4	Midnight
1h	23·8	1·2	23·7	1·3	24·7	1·4	24·0	1·1	24·9	2·3	23·9	1·5	24·0	1.8	23·6	1·3	1h
2	23·2	1·1	23·8	1·4	25·0	1·4	24·0	1·6	24·7	2·5	23·7	1·6	23·3	1·5	23·4	1·3	2
3	23·2	1·0	23·8	1·1	24·7	1·2	24·0	1·5	24·1	2·2	23·6	1·4	23·2	1·7	23·2	1·2	3
4	23·1	1·0	23·7	1·1	24·1	1·0	23·7	1·3	24·4	2·2	23·6	1·6	22·5	1·4	23·0	1·2	4
5	23·0	1·0	23·9	1·2	23·9	1·1	23·5	1·3	24·0	1·9	23·8	1·9	23·0	1·6	22·9	1·1	5
6	23·0	1·0	23·9	1·1	23·4	1·0	23·5	1·3	24·2	1·6	24·0	2·0	22·7	1·6	22·9	1·1	6
7	25·4	1·4	26·0	1·6	25·1	1·2	24·1	1·3	24·7	1·7	25·0	2·2	24·5	2·3	25·0	1·6	7
8	27·6	2·8	28·0	3·2	27·0	3·3	26·8	3·4	26·2	3·0	26·2	3·2	26·6	4·3	26·9	3·1	8
9	28·3	4·1	28·3	3·3	27·7	3·9	27·2	3·8	27·2	3·5	26·8	3·8	27·3	4·3	27·7	3·8	9
10	29·0	4·2	29·4	4·5	27·5	4·1	28·2	4·3	28·0	4·3	26·9	3·6	27·9	4·9	28·3	4·2	10
11	30·0	5·1	30·3	4·8	28·7	4·7	26·0	2·7	28·7	4·7	27·7	4·4	28·2	5·1	28·7	4·4	11
Noon	30·1	5·6	30·2	4·6	29·0	4·8	27·2	3·2	27·2	3·0	28·7	5·3	28·0	5·2	28·5	4·3	Noon
13h	30·4	5·4	29·9	4·9	28·0	3·6	28·3	4·3	27·7	3·6	28·8	5·1	28·0	5·0	28·5	4·3	13h
14	30·0	5·0	30·0	5·0	28·9	5·5	29·0	5·3	28·0	3·8	28·9	5·5	28·0	5·3	28·6	4·4	14
15	30·0	5·0	30·2	5·4	28·6	4·7	28·7	4·9	28·5	4·5	28·3	5·1	28·0	5·1	28·3	4·2	15
16	29·7	4·5	30·0	5·5	28·3	4·8	28·2	4·4	27·4	3·6	27·0	3·5	27·9	5·6	27·9	4·0	16
17	29·0	4·3	29·0	4·6	28·0	4·9	27·7	4·4	27·7	3·9	26·8	3·6	27·4	4·5	27·3	3·5	17
18	28·0	3·9	28·1	4·1	27·0	4·0	27·0	4·0	24·6	1·6	26·3	3·2	26·7	3·8	26·5	3·0	18
19	26·9	2·9	26·9	2·9	26·2	2·8	26·1	2·9	24·3	1·3	25·3	2·4	25·0	2·1	25·5	2·2	19
20	25·8	2·1	26·0	2·2	25·7	2·4	24·7	1·7	24·8	1·5	24·4	2·1	24·7	1·8	24·8	1·8	20
21	25·1	1·7	25·5	1·8	25·0	2·0	24·8	1·8	24·0	1·3	24·0	1·8	24·2	1·5	24·5	1·7	21
22	24·9	1·5	25·5	1·6	24·3	1·5	24·7	2·4	24·0	1·1	24·0	1·7	23·8	1·6	24·2	1·6	22
23	24·7	1·4	24·9	1·5	24·9	2·0	24·9	2·4	23·9	1·2	24·2	1·5	24·5	1·5	24·1	1·5	23

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

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

JANUARY 1925.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	907	891	892	892	892	911	898	911	887	913	895	907	895	903	884	916	Midnight
1h	907	891	889	889	893	909	894	913	907	884	898	912	892	906	885	915	1h
2	908	889	889	905	893	910	890	915	894	908	893	916	893	905	888	912	2
3	907	890	885	907	891	913	882	900	896	904	890	915	895	903	887	913	3
4	910	886	888	905	890	915	887	903	899	906	894	906	891	907	886	914	4
5	910	885	890	904	889	917	889	911	896	910	897	916	890	907	885	915	5
6	908	890	891	907	893	909	893	910	902	908	898	911	891	907	885	915	6
7	908	889	885	910	891	913	899	906	896	904	895	911	893	904	875	925	7
8	908	889	900	930	885	923	890	914	897	905	895	922	876	915	868	932	8
9	904	921	900	929	896	919	889	911	900	911	893	915	878	922	883	941	9
10	906	927	900	933	911	927	897	914	900	887	910	924	892	937	900	942	10
11	909	922	900	941	906	929	877	915	895	893	905	875	900	940	900	943	11
Noon	916	924	907	934	900	929	900	863	881	908	900	875	900	937	909	945	Noon
13h	906	931	900	936	866	877	879	921	888	931	896	882	909	943	891	943	13h
14	910	923	907	935	871	871	891	922	892	882	896	880	900	943	876	936	14
15	897	907	909	942	883	858	883	926	920	904	889	917	900	945	889	954	15
16	874	883	900	939	885	862	883	926	887	913	922	905	900	945	890	951	16
17	881	887	892	939	891	922	888	918	897	917	904	910	891	943	882	943	17
18	889	889	883	942	889	917	885	915	898	909	899	906	876	936	877	934	18
19	895	895	889	927	885	915	892	908	899	906	899	906	883	925	876	936	19
20	895	895	893	917	892	908	894	906	898	909	900	909	877	923	882	927	20
21	896	896	895	911	879	904	893	907	897	908	896	906	885	915	881	928	21
22	894	894	896	910	895	903	895	905	894	913	893	907	884	916	889	929	22
23	893	893	895	912	891	909	888	912	896	910	892	908	881	919	889	926	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	885	923	889	902	891	909	898	906	892	910	889	916	900	918	892	908	Midnight
1h	887	919	891	902	889	911	897	908	892	911	888	919	897	917	894	906	1h
2	885	923	893	901	885	915	897	906	888	918	887	920	896	918	882	918	2
3	879	932	888	902	888	912	895	911	891	912	900	925	897	914	888	919	3
4	883	926	894	901	892	908	895	911	888	918	893	917	896	920	906	927	4
5	882	918	893	901	889	911	894	913	889	917	889	928	896	921	904	918	5
6	887	913	885	903	891	909	897	906	892	911	891	921	898	912	876	910	6
7	887	913	883	903	887	913	896	909	889	916	889	926	896	921	890	924	7
8	878	922	883	911	881	919	893	917	900	931	889	929	900	916	885	938	8
9	884	916	880	920	889	917	897	914	900	940	900	942	905	924	892	940	9
10	891	921	875	910	900	921	900	906	913	934	907	935	906	930	882	944	10
11	913	913	889	902	894	887	924	885	909	944	915	937	907	934	879	952	11
Noon	881	871	879	896	888	900	931	894	900	947	912	930	907	932	881	946	Noon
13h	887	867	889	871	912	900	919	900	907	936	930	930	891	945	882	945	13h
14	903	915	892	881	889	889	909	893	917	941	936	924	900	936	892	937	14
15	914	922	873	918	886	886	898	910	909	944	940	926	906	931	906	931	15
16	909	909	871	929	890	896	904	918	900	932	915	923	904	921	900	928	16
17	893	905	869	931	888	895	900	925	890	923	906	928	905	922	895	922	17
18	890	908	867	933	893	917	900	921	885	923	900	931	900	938	891	922	18
19	882	912	874	926	896	910	892	918	904	920	904	921	893	916	891	913	19
20	890	908	872	928	895	911	891	912	879	931	893	917	893	916	889	911	20
21	881	912	875	925	897	906	892	911	881	929	890	923	892	918	886	914	21
22	892	906	882	918	893	916	892	910	883	925	894	930	883	917	889	911	22
23	890	907	885	915	895	911	891	913	882	927	900	924	891	909	890	910	23

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

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

JANUARY 1925.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	890	910	900	918	888	919	889	927	879	931	891	913	900	930	900	920	Midnight
1h	887	913	900	917	895	907	889	927	879	921	907	916	900	929	900	914	1h
2	892	908	900	921	897	905	886	914	887	913	897	915	900	925	900	919	2
3	890	910	900	925	893	909	890	910	886	914	900	917	900	924	900	912	3
4	890	910	900	918	887	919	886	914	888	912	896	920	900	920	900	907	4
5	887	913	900	920	896	906	885	915	888	912	890	915	900	928	900	913	5
6	892	908	900	915	897	905	885	915	895	905	904	910	895	922	900	911	6
7	892	908	900	920	894	908	882	927	892	903	887	919	894	930	900	918	7
8	905	926	900	931	887	919	879	932	887	906	890	923	908	937	900	923	8
9	908	939	900	934	900	925	874	940	881	908	900	937	909	943	900	924	9
10	908	941	900	942	911	929	869	946	884	884	900	940	913	934	900	931	10
11	909	944	908	940	914	935	882	943	904	879	907	934	909	944	900	933	11
Noon	909	942	908	939	915	938	881	947	920	892	908	941	906	928	914	936	Noon
13h	909	943	908	940	922	932	879	950	910	890	900	943	910	949	923	934	13h
14	909	942	890	948	910	948	867	950	877	885	918	943	908	939	914	935	14
15	918	943	909	943	909	943	868	947	881	900	917	941	914	935	924	936	15
16	910	924	900	944	900	945	868	947	887	887	915	938	908	937	911	927	16
17	916	940	890	947	908	938	872	942	898	889	915	938	909	944	911	929	17
18	900	944	883	943	890	947	877	956	902	891	911	927	908	938	905	925	18
19	900	922	894	930	889	928	883	926	908	882	908	920	900	929	904	918	19
20	900	924	889	926	891	921	887	933	909	879	900	921	900	923	903	916	20
21	900	922	891	922	885	924	885	937	903	917	905	926	900	926	903	914	21
22	900	918	890	915	884	924	880	930	902	912	900	939	900	925	900	909	22
23	900	920	889	916	889	929	886	921	892	918	907	932	900	915	900	913	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	900	911	903	908	898	911	892	918	884	940	888	931	893	917	893	914	Midnight
1h	900	910	902	909	897	917	887	919	883	941	885	938	889	926	894	913	1h
2	900	916	897	915	896	921	887	919	881	929	885	938	885	915	892	915	2
3	900	910	896	910	893	909	886	914	887	932	883	941	885	915	892	914	3
4	900	907	896	910	889	917	893	910	894	927	883	941	891	912	893	913	4
5	900	912	895	911	890	915	882	918	881	929	886	936	889	917	892	915	5
6	900	912	895	911	890	915	886	922	874	940	891	943	885	923	892	913	6
7	900	912	896	910	883	925	888	931	889	956	890	948	880	930	891	917	7
8	900	922	904	919	893	934	888	958	889	953	900	957	900	954	892	926	8
9	905	923	906	928	900	959	880	949	884	978	900	970	886	967	894	932	9
10	917	926	911	927	900	946	887	964	886	968	900	949	900	955	899	931	10
11	911	928	905	926	900	949	900	959	885	974	885	977	900	969	901	931	11
Noon	916	924	917	925	911	953	890	949	875	959	886	968	900	966	902	927	Noon
13h	906	927	920	930	900	947	900	962	887	963	887	964	900	958	900	929	13h
14	906	927	910	924	900	951	900	974	885	975	886	969	900	961	899	928	14
15	913	932	906	929	909	943	885	975	872	967	889	954	889	954	900	931	15
16	913	920	908	919	909	946	874	962	887	965	882	943	890	949	897	927	16
17	915	924	908	918	900	950	900	970	887	965	900	961	890	950	896	930	17
18	905	911	904	919	891	943	887	962	882	944	889	955	889	952	892	929	18
19	904	910	900	918	894	930	882	944	885	938	892	938	907	936	894	920	19
20	903	906	900	911	895	924	887	932	891	945	895	923	900	930	893	917	20
21	903	907	896	918	896	919	881	947	886	936	890	924	900	934	892	919	21
22	903	906	896	918	896	920	891	921	891	944	891	921	900	919	893	917	22
23	905	911	897	916	895	923	885	938	885	938	889	927	920	930	893	918	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during JANUARY 1925.

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

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 1925.

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

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JANUARY 1925.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of JANUARY 1925.

River System.	Register Number	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	2·45	63·0	154·7	9
	3	Belmont	50	2·64	67·5	135·9	6
	4	Poudre d'Or	20	2.61	67·0	127·8	7
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	5.53	140·5	168·4	13
	7	Forbach§	300	...	...	...	..
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	5·25	133·3	227·8	17
	10	Mont Piton	360	6·58	167·1	246·4	15
	11	Mon Choix	700	5·36	136·1	253·5	14
	12	Antoinette	640	7.28	184·9	220·0	14
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	11·07	281·2	286·0	16
	15	Mon Songe	620	5·33	135·4	243·1	11
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	5·33	135·4	222·2	14
	19	The Observatory ...	179	5·90	149·9	193·3	19
	20	Solitude	175	4.42	112·3	149·6	11
	21	St. André	90	5·43	137·9	183·4	15
	22	Belle Vue Harel* ...	350	6.09	154·7	...	10
	23	Mont Choisy§	...	...	...	...	...
	25	Esperance (Trebuchet)§	...	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	...	...	...	...	...
	46	Riche Terre Station§ ...	...	...	...	...	...
	47	Terre Rouge Station§ ...	...	...	...	...	...
	48	Mapou Station§ ..	...	...	...	...	...
	49	Poudre d'Or Station* ...	172	2 99	76·0	...	6
	50	Rivière du Rempart* ...	134	4·41	112·0	...	4
2 & 3	1	Union Régnard S.E. ...	600	3·83	97·3	227·1	16
	2	Constance d'Arifat L.G.	100	3·31	84·1	191.0	9
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	4·49	114·0	...	11
	10	St. Julien E(K. Reetoo)*	...	1 38	35·1	...	4
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile	400	6 93	176·0	278·4	13
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	7·83	198.9	204·5	16
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate* ...	...	2·43	61.7	...	7
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	13·36	339·3	...	24
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	1·21	30·7	213·9	10
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	4·98	126·5	...	14
	7	Cluny§	...	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	9·76	247·9	338·0	25
	2	Tivoli*	1,300	11·86	301·2	...	19
	3	La Flora*	1,050	8·88	225·5	...	19
	4	Britannia	730	4·97	126 2	322·8	18
	5	Savannah (Mill) ...	200	5·34	135·6	242·8	13
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold*	900	7·48	190·0	...	19
	10	Terracine§	100	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	..	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	4·88	123·9	...	11
	15	Fontenelle*	...	4·42	112·3	...	10
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre*	40	7·55	191·8	...	13
	3	Beau Champ*	...	4·49	114·0	..	11
	4	Board*	...	7·77	197·4	...	12
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	15·08	383·0	387·8	21
	3	Mare aux Vacoas ...	1,850	15·15	382·3	403·9	19
	4	La Marie Filter Bed ...	1,700	12·56	319.0	303·8	...
	5	Réunion	1,420	7·11	180·6	339·3	17
12	1	The Manse	850	8·39	213·1	212·6	19
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	7·67	194·9	239·0	30
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands§	1,300	..	...	...	...
	7	Trianon	950	8·21	208·5	254·2	15
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	8·78	223·0	..	23
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	8·33	211·6	254·5	19
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	..
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	11·82	300·2	...	11
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	5·97	151·7	...	11

* Normals not available § Record not Received

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·55 metres above SEA LEVEL during the month of JANUARY 1925.

Day \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum: Alto St:		Cirro Cum		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
	h	°		°						°				h	°				°				°			
1	9¼	90	0·2	120	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	12¼	90	0·8	60	0·4	...	...	...	...	210	...	...	...	16	60	0·7	75	0·03	...	...	...	...	...	...	...	...
3	10	...	...	30	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	10¼	...	...	120	0·2	...	...	...	...	195	...	...	...	15	120	0·3	90	0.06	...	...	...	...	240	...	...	...
5	10½	105	0·2	60	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	10¼	90	0·2	90	0·1	...	...	...	...	...	...	...	...	12¼	270	0·6	...	...	...	...	...	...	...	...	...	...
7	10¼	90	0·2	90	0·1	...	...	...	...	...	...	...	...	15	90	0·2	...	...	...	...	...	...	0	...	...	...
8	9½	...	...	270	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	10¼	60	0·1	45	0·2	45	...	...	...	...	...	...	...	...	210	0·2	...	...	...	...	...	...	...	...	...	...
10	12½	30	0·9	30	0·2	...	...	...	...	...	...	...	...	15¼	45	0·8	60	0·4	...	...	...	...	...	...	...	...
11	...	...	...	30	0.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	12¼	0	0·2	270	0·1	60	...	...	...	...	...	...	...	16	0	0·3	270	0.4	240	0·1	...	...	240	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	10	120	0·5	120	0·2	...	...	...	...	...	...	...	...	12h-15h	120	0·6	135	0·1	...	...	...	...	120	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	16	...	...	110	0·2	...	...	...	...	285	...	...	...
16	10¼	60	1·7	...	...	300	...	...	...	...	...	...	...	15h-16h	75	0·4	...	...	313	...	...	...	...	...	...	...
17	10	85	0·9	350	0·2	...	...	...	...	...	...	...	...	15¼	90	0·9	...	...	275	0·2	...	...	...	...	...	...
18	12¼	...	...	60	0·2	...	...	...	...	...	...	...	...	15–16	0	0·4	330	0·1	...	...	...	...	...	...	...	...
19	12¼	120	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	10	60	1·0	...	...	...	...	...	...	...	...	...	...	12 15	75 50	0·1 0·7	50	1·2	...	...	...	...	...	...	...	...
21	10¼	...	...	90	0·2	...	...	...	...	...	...	...	...	12¼	115	0·3	...	...	180	0·1	...	...	...	...	...	...
22	10¼	115	0·2	...		...	...	...	...	...	...	...	...	15¼	90	0·7	90	0·6	90	0·3	...	...	...	...	...	...
23	10¼	105	0·7	105	0·8	...	...	...	...	...	...	...	...	12–15	120	0·8	120	0·1	...	...	...	...	226	...	...	...
24	10	120	0·4	120	0·6	...	...	...	...	...	...	...	...	12–15	120	0·5	125	0·2	...	...	...	...	...	...	...	...
25	10½	105	0·3	350	...	...	...	...	...	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	10½	105	0·1	...	...	...	...	...	...	...	...	...	...	12–15	120	0·4	75	0·1	75	0·1	...	...	...	...	...	...
27	10¼	90	0·9	...	...	60	0.6	...	...	...	...	...	...	12	90	0·6	60(15h)	0·5	75(15h)	...	...	...	150	...	...	...
28	10¼	...	...	75	0·4	...	...	...	...	...	...	...	...	15	84	0·6	75	0·3	...	...	...	...	...	...	...	...
29	12¼	...	...	75	0·7	...	...	...	...	...	...	...	...	15	60	1·8	...	...	...	...	...	...	...	...	...	...
30	10¾	90	0·9	60	0·7	...	...	...	...	...	...	...	...	15	105	1·0	90	0·8	...	...	...	...	300	...	...	...
31	10¾	...	...	105	0·8	...	...	...	...	255	...	...	...	15	90	1·3	90	0·3	255	...	...	...	255	0·1	...	...

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

NEW SERIES (MONTHLY). VOL. XI. PART 2 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

FEBRUARY 1925

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

DIRECTOR.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of FEUBRARY 1925

Month and Day. 1924	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
					Unit 1 γ	
FEB.	° ′					
1	11· 6·5	·22934	·29905	7·0	38	16
2	11· 5·9	932	906	4·0	28	8
3	11. 6·2	929	906	4·4	23	12
4	11· 6·7	930	905	5·0	27	10
5	11. 6·0	929	900	8·2	34	19
6	11. 5·9	927	898	8·0	41	31
7	11. 6·3	918	902	8·2	20	14
8	11. 6·5	929	898	9·2	37	19
9	11. 5·9	900	899	11·8	49	17
10	11. 6·0	901	895	8·0	6	26
11	11. 6·0	906	892	10·2	21	26
12	11. 5·6	902	894	8·2	51	17
13	11 5·1	908	894	11·4	26	17
14	11. 5·8	903	897	5·2	25	6
15	11. 5·7	908	893	5·4	19	10
16	11. 5·4	919	893	5·0	34	6
17	11. 5·6	909	897	5·2	55	10
18	11. 6·4	915	895	5·4	30	12
19	11. 5·1	906	895	6·0	35	12
20	11· 6·1	903	898	5·4	28	8
21	11. 6·2	911	896	4·2	12	12
22	11. 6·1	920	896	6·8	9	17
23	11. 6·4	923	898	9·6	15	22
24	11. 6·1	927	898	9·0	59	21
25	11· 5·1	908	903	10·0	48	15
26	11. 5·8	919	899	10·4	24	23
27	11. 6·7	922	900	7·2	22	13
28	11. 6·3	922	898	7·0	37	11
Mean	11· 5·98	·22916	·29898	7·01	30·4	15·4

Description of the Principal Magnetic disturbances.

The following notes give a brief description of the principal magnetic disturbances. The movements in Horizontal Force and Vertical force are expressed in C.G.S. units.

The term "wave" indicates a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "oscillations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and —denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

FEBRUARY 1925.

February d h 1.15 to h 20 — Shallow wave in H.F. (−30 γ). In V.F. small undulations.

d h m h m
8. 2.5 to 2.25 — Sharp oscillation in H.F. (± 12 γ) in V.F. (± 5 γ) followed in both elements by small undulations till 6^h and again from $8^d.23^h$ to $10^d.5^h$.

In Dec. small rapid undulations from $9^d.7^h$ to 9^h.

T=0·37671 : Mean Dip.=θ=52°.31′·85. (X=·22487 : Y=—·04411 : Z=·29898).
† 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 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South).				
				A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
FEB. 6. 8.57	11. 8·51	FEB. 9. 9·37	·22894	FEB. 6. 9.15	52.29·56	·29899	FEB. 6.13·22	52.29·12	·29879
.13.39	11. 2·95	13·04	·22878	13. 8.40	52.31·43	·29892	...	...	...
12. 8.58	11. 8·54	14. 9·01	·22881	...	...	...	16.13.54	52.30·25	·29885
.13.45	11. 1·75	12·52	·22918	17. 9.34	52.30·03	·29899	17.13.19	52.31·81	·29890
17. 9. 8	11. 8·48	19. 9·24	·22924	24. 9.57	52.30·87	·29897	24.13.35	52.29·69	·29912
.13.32	11. 3·13	13·26	·22918						
24. 9.46	11. 9·57	27. 9.09	·22925						
.13.47	11. 0·29	13.29	·22920						

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

FEBRUARY 1925.

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

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

FEBRUARY 1925.

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	930	925	924	923	925	922	910	920	915	900	900	897	909	899	900	906	Midnight
1h	933	923	925	924	925	923	915	922	909	903	903	898	904	909	909	910	1h
2	932	925	928	923	925	925	915	930	910	902	904	899	904	909	907	911	2
3	930	937	929	930	926	924	917	930	912	901	909	900	908	907	908	912	3
4	932	930	930	927	926	923	915	932	929	902	909	906	907	908	909	913	4
5	934	930	927	930	926	924	913	929	915	901	907	907	911	907	909	915	5
6	934	934	927	933	927	921	915	930	915	902	910	905	912	909	909	918	6
7	940	940	930	934	929	923	917	929	917	903	910	907	914	908	911	920	7
8	947	943	934	939	936	932	917	925	928	901	910	908	915	911	919	929	8
9	943	948	938	940	938	948	917	927	907	901	910	915	916	913	917	934	9
10	945	949	943	940	947	951	920	928	892	902	917	924	919	910	914	938	10
11	948	950	943	947	947	951	925	940	881	901	918	929	920	907	910	940	11
Noon	944	949	937	947	944	950	930	947	882	900	918	926	920	908	908	938	Noon
13h	945	940	932	943	939	943	928	943	882	900	917	913	914	902	900	929	13h
14	943	930	930	932	932	935	920	937	890	900	910	903	910	900	902	921	14
15	941	924	925	925	932	922	917	932	892	902	908	900	907	901	909	920	15
16	924	922	923	920	930	920	913	931	898	903	900	899	902	902	908	913	16
17	916	924	926	920	925	919	912	932	897	902	900	890	902	901	907	914	17
18	910	925	925	922	920	920	914	932	894	901	901	892	900	899	906	913	18
19	925	929	923	927	913	920	914	930	890	900	899	891	900	899	905	914	19
20	932	929	921	926	917	917	914	927	888	900	899	888	903	897	904	910	20
21	933	926	921	925	919	913	918	920	890	897	899	878	900	891	906	908	21
22	930	923	920	924	920	913	920	920	884	897	897	882	897	888	905	910	22
23	933	924	924	926	920	910	920	910	880	897	897	897	894	892	907	915	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	...	...	...	Mean.	Day. \ Hour.
	·22000 + (C.G.S. UNIT.)																
Midnight	913	900	913	887	912	916	922	918	894	907	915	920	...	...	...	911·5	Midnight
1h	918	902	910	884	914	917	924	919	895	908	916	919	...	...	...	912·9	1h
2	919	901	911	890	913	919	925	920	903	910	918	919	...	...	...	914·2	2
3	911	917	907	894	913	919	925	921	910	911	919	920	...	...	...	916·0	3
4	910	916	908	896	915	919	927	924	913	913	920	922	...	...	...	917·2	4
5	910	917	909	900	914	919	926	923	914	917	919	925	...	...	...	917·1	5
6	918	920	910	904	913	918	926	922	909	919	920	927	...	...	...	918·1	6
7	923	928	909	912	908	916	924	924	917	921	921	933	...	...	...	920·3	7
8	934	930	911	910	903	918	921	924	921	921	921	945	...	...	...	923·3	8
9	937	927	917	907	903	920	921	922	924	920	924	937	...	...	...	924·0	9
10	932	922	919	911	903	920	922	930	930	920	931	930	...	...	...	925·3	10
11	936	920	918	909	907	920	930	949	928	926	937	923	...	...	...	927·1	11
Noon	927	914	918	902	908	919	931	958	922	928	937	925	...	...	...	926·3	Noon
13h	919	910	916	898	906	920	930	957	912	931	932	930	...	...	...	922·5	13h
14	908	907	915	892	909	920	929	950	911	930	925	930	...	...	...	918·6	14
15	900	910	911	897	912	924	927	939	907	926	920	925	...	...	...	916·2	15
16	895	914	907	905	912	925	922	930	893	920	919	911	...	...	...	912·9	16
17	892	919	904	909	910	923	919	925	886	920	919	920	...	...	...	911·9	17
18	893	918	902	911	910	923	917	924	882	919	920	922	...	...	...	911·2	18
19	891	913	896	910	914	923	917	927	895	919	920	920	...	...	...	911·6	19
20	888	911	889	910	913	920	917	926	900	919	920	912	...	...	...	910·6	20
21	882	911	889	909	913	920	916	915	903	917	920	910	...	...	...	908·9	21
22	885	916	885	909	913	920	916	904	906	916	920	908	...	...	...	908·1	22
23	891	917	884	910	914	922	917	899	907	916	919	909	...	...	...	909·0	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*).

FEBRUARY 1925.

Hour. / Day.	1.d	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000 + (C.G.S. UNIT).																
Midnight	909	906	909	908	904	903	901	901	901	901	899	897	898	899	898	894	Midnight
1h	909	907	909	908	905	903	901	901	901	899	899	897	896	898	896	894	1h
2	909	907	909	908	905	903	901	901	902	899	898	896	896	896	896	894	2
3	909	907	909	908	905	903	901	901	903	899	898	895	895	896	895	893	3
4	909	908	909	908	905	903	902	901	902	900	898	896	895	895	895	893	4
5	909	909	908	908	905	904	903	902	903	900	899	896	896	896	895	893	5
6	909	909	908	908	907	905	904	903	905	901	900	898	897	897	895	892	6
7	910	909	908	909	909	909	903	909	902	908	904	901	898	900	895	892	7
8	910	909	908	909	902	900	898	906	894	904	902	899	896	900	892	894	8
9	907	909	905	907	895	892	894	900	889	900	891	892	892	900	892	894	9
10	902	905	902	903	892	882	895	893	888	893	881	890	891	898	892	892	10
11	900	902	900	903	891	878	895	890	889	888	879	889	890	898	893	892	11
Noon	899	902	898	902	890	880	899	890	889	882	879	884	887	896	894	891	Noon
13h	898	902	899	900	890	885	902	890	892	882	878	885	882	894	891	889	13h
14	894	901	897	899	892	890	908	890	898	883	878	887	883	894	889	890	14
15	899	901	900	900	893	894	908	893	900	887	881	890	889	894	888	892	15
16	901	902	902	901	899	900	908	894	900	889	885	892	894	894	888	895	16
17	902	905	906	903	900	901	907	896	900	890	890	893	898	896	889	894	17
18	903	907	909	903	901	901	903	898	901	892	894	895	899	898	890	894	18
19	905	908	909	904	902	901	901	899	902	893	894	894	898	897	891	894	19
20	904	908	909	906	903	901	901	900	902	894	895	895	897	897	892	894	20
21	904	909	909	906	903	901	901	900	902	896	895	898	896	898	892	893	21
22	904	909	909	906	903	901	901	901	902	899	897	900	898	899	893	893	22
23	905	909	909	907	903	902	901	902	902	899	898	900	899	899	893	894	23

Hour. / Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	...	...	....	Mean	Day. / Hour.
	·29000 + (C.G.S. UNIT).																
Midnight	897	900	895	900	899	900	900	901	905	906	902	901	...	...	...	901·2	Midnight
1h	898	900	896	901	899	900	900	900	904	905	902	901	...	...	...	901·0	1h
2	897	900	896	901	899	900	900	900	904	904	901	901	...	...	...	900·8	2
3	897	899	898	901	899	900	900	900	903	903	901	901	...	...	...	900·7	3
4	897	898	896	901	900	900	900	900	903	903	900	901	...	...	...	900·6	4
5	897	898	896	901	900	900	901	900	903	903	900	900	...	...	...	900·9	5
6	896	898	898	901	900	901	902	901	904	903	900	900	...	...	...	901·5	6
7	895	899	899	902	902	903	908	903	905	908	903	900	...	...	...	903·3	7
8	896	899	895	901	900	901	908	902	902	904	905	900	...	...	...	901·3	8
9	898	899	891	900	898	897	902	900	900	899	907	900	...	...	...	898·2	9
10	894	897	889	899	892	890	895	894	900	892	903	899	...	...	...	894·4	10
11	893	892	888	896	891	886	890	890	897	889	898	897	...	...	...	892·3	11
Noon	890	891	888	896	890	886	886	882	894	886	894	894	...	...	...	890·7	Noon
13h	891	890	889	895	890	887	886	883	895	885	894	891	...	...	...	890·5	13h
14	892	889	890	895	891	888	887	889	897	889	894	890	...	...	...	891·6	14
15	897	888	891	894	892	889	890	894	902	892	895	890	...	...	...	893·7	15
16	898	888	892	894	892	890	893	898	908	899	898	892	...	...	...	895·9	16
17	899	890	896	895	893	896	898	901	909	902	900	898	...	...	...	898·1	17
18	899	892	900	896	893	897	898	901	909	903	900	899	...	...	...	899·1	18
19	899	892	900	897	895	898	898	900	908	901	900	900	...	...	...	899·3	19
20	899	892	899	898	897	899	899	900	907	901	900	900	...	...	...	899·6	20
21	899	893	899	898	897	900	900	900	906	901	901	900	...	...	...	899·9	21
22	900	895	899	899	898	901	900	902	905	901	901	901	...	...	...	900·6	22
23	900	895	900	899	898	900	900	903	904	902	902	901	...	...	...	900·9	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·55 metres above mean sea-level) during the MONTH of FEBRUARY 1925.

Month and Day 1925.	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	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 of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in points.	Wind. Velocity.	Highest.	Lowest.	Range.				
	mbs.	c	c	c	%	mbs.		m.p.s.	c	c	c		m.m.	hrs.	
FEB. 1	965·4	25·0	0·5	24·2	95	29·9	9	5	...	20·6	...	5·5	...	11·1	85
2	965·3	24·9	3·2	19·4	72	22·3	10	5	...	20·3	...	6·3	0·5	7·5	58
3	966·0	25·5	3·7	19·2	68	22·0	10	5	...	21·2	...	5·5	...	10·3	80
4	965·4	25·1	4·3	17·8	64	20·2	10	4	...	20·0	...	5·7	...	11·0	85
5	964·1	24·7	1·7	21·8	84	25·9	10	5	...	19·9	...	6·5	28·4	9·6	74
6	963·9	25·1	4·3	17·8	64	20·2	9	5	...	19·7	...	5·5	0·5	11·5	89
7	962·9	25·7	0·6	24·7	94	30·8	8	6	...	20·8	...	3·1	...	11·1	86
8	964·1	26·0	0·5	25·2	95	31·7	9	3	...	19·6	...	4·2	...	8·0	62
9	965·3	24·9	2·1	21·3	81	25·1	9	3	...	20·7	...	6·7	2·6	8·9	70
10	965·2	25·3	3·6	19·2	69	22·0	6	2	...	19·9	...	5·5	0·6	11·5	90
11	964·8	25·0	0·5	24·2	95	29·9	3	4	25·2	18·2	7·0	4·7	2·2	11·7	91
12	963·2	24·6	0·7	23·4	93	28·5	2	2	27·3	19·6	7·6	4·4	0·5	8·5	66
13	960·0	24·4	0·5	23·5	95	28·7	28	4	26·4	20·2	6·2	5·6	1·0	6·0	47
14	960·8	24·5	0·5	23·6	95	28·8	28	4	27·0	20·7	6·3	6·0	9·4	9·1	72
15	963·7	23·9	2·1	20·3	80	23·6	5	5	27·2	20·8	6·4	4·2	1·5	5·4	42
16	964·8	24·7	2·8	19·9	75	23·0	6	4	25·6	20·4	5·2	3·4	...	7·3	57
17	965·9	26·1	3·2	20·7	72	24·2	9	3	25·7	21·0	4·7	3·5	12·5	9·3	73
18	966·4	24·7	1·9	21·5	83	25·4	8	3	26·6	21·3	5·3	3·6	0·5	6·7	53
19	967·0	24·8	3·0	19·7	73	22·7	8	4	26·9	20·4	6·5	3·3	0·6	10·5	83
20	966·6	24·9	3·8	18·4	67	21·0	7	6	26·8	19·4	7·4	3·2	1·6	11·4	90
21	966·0	25·7	4·7	17·8	62	20·2	7	5	26·9	20·3	6·6	4·1	2·3	11·7	93
22	966·5	24·3	2·7	19·7	76	22·7	5	4	27·2	19·8	7·4	3·3	1·0	11·1	88
23	967·0	24·8	2·9	19·9	74	23·0	4	4	26·5	19·2	7·3	4·4	0·4	10·2	81
24	965·0	23·8	4·0	16·9	65	19·0	6	4	25·5	19·0	6·5	3·2	10·3	11·8	94
25	963·7	21·8	1·9	18·5	81	21·1	6	4	24·5	18·8	5·7	8·3	14·2	2·3	18
26	963·7	23·3	2·9	18·3	73	20·8	7	2	24·7	18·2	6·5	6·5	0·2	1·7	14
27	966·0	24·3	3·7	17·9	67	20·3	7	1	25·7	18·2	7·5	3·5	0·6	6·5	52
28	967·5	23·8	2·7	19·2	75	22·0	6	5	26·1	18·7	7·4	5·0	0·2	8·9	71
Mean	964·9	24·7	2·5	20·4	76·9	23·7	0° S.79·4E	3·2	26·4	19·7	7·7	4·8	Sum 91·6	8·95	70·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean for the month at 10 a.m.:

Atmospheric Presssure	+ 41·2 mbs.
Temperature of the Air	+ 3·3 C.
Vapour Tension	— 0·3 mbs.
Relative Humidity	— 14·4 %
Direction of Wind	10° South
Velocity of Wind	— 0·3 mps.

Duration of sunshine	+ 4·8 hours
Amount of cloud	+ 0·7
Amount of rain	—68·0 mm.
Mean of highest temperatures	+3·7C(11th to 18th)
Mean of lowest temperatures	+2·3C

* South (0); East (8); North (16) &c.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1925.

Month and Day 1925.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0–10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
FEB.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1006·1	+ 1·5	29·0	23·5	5·5	25·9	− 0·1	3·0	20·8	− 0·9	73	− 5	24·3	20·9	0·0	...	6·9	6·5
2	1006·7	+ 2·1	29·8	22·8	7·0	25·8	− 0·2	3·0	20·7	− 1·0	74	− 4	24·2	20·2	0·0	...	7·0	7·5
3	1006·3	+ 1·7	30·0	23·4	6·6	26·4	+ 0·5	3·4	20·7	− 1·0	71	− 7	24·2	20·3	0·0	...	...	7·5
4	1005·8	+ 1·2	29·0	21·3	7·7	25·5	− 0·4	3·3	19·9	− 1·8	71	− 7	23·0	18·3	2·0	25	8·7	5·9
5	1005·1	+ 0·6	28·7	23·2	5·5	25·6	− 0·3	2·1	22·1	+ 0·4	81	+ 2	26·3	21·5	4·0	55	4·2	7·1
6	1004·7	+ 0·2	29·5	22·0	7·5	25·8	− 0·1	3·0	20·7	− 1·1	74	− 5	24·2	18·2	1·7	20	8·7	6·5
7	1003·9	− 0·6	29·1	22·7	6·4	25·7	− 0·2	2·7	21·1	− 0·7	76	− 3	24·8	19·9	0·1	5	7·1	6·0
8	1004·8	+ 0·3	30·0	20·8	9·2	25·9	0·0	3·2	20·5	− 1·3	72	− 7	23·9	16·7	2·3	10	8·5	4·9
9	1005·9	+ 1·4	29·2	22·0	7·2	25·2	− 0·7	2·3	21·3	− 0·5	79	0	25·1	18·7	0·2	10	4·8	5·6
10	1006·2	+ 1·8	30·4	20·0	10·4	25·3	− 0·6	3·3	19·7	− 2·1	71	− 8	22·7	16·3	0·2	10	7·2	5·5
11	1005·1	+ 0·7	30·3	20·3	10·0	25·3	− 0·6	3·7	19·0	− 2·8	68	− 11	21·8	15·6	0·0	...	8·0	3·5
12	1003·4	− 1·0	30·9	20·2	10·7	25·5	− 0·4	3·4	19·7	− 2·2	70	− 9	22·7	15·7	0·0	...	5·4	5·8
13	1000·6	− 3·8	31·0	21·7	9·3	26·1	+ 0·3	2·7	21·5	− 0·4	76	− 3	25·4	17·5	0·0	...	7·0	5·6
14	1001·3	− 3·2	31·4	23·6	7·8	26·8	+ 1·0	2·7	22·2	+ 0·3	76	− 3	26·5	20·2	3·1	35	8·1	5·0
15	1004·0	− 0·5	30·0	23·3	6·7	25·9	+ 0·1	2·6	21·6	− 0·3	77	− 2	25·5	19·5	0·8	20	2·8	5·4
16	1005·6	+ 1·1	30·0	23·1	6·9	25·8	0·0	2·5	21·6	− 0·3	78	− 1	25·5	20·3	0·2	5	6·6	4·0
17	1006·5	+ 2·0	31·4	23·2	8·2	26·6	+ 0·8	2·7	22·2	+ 0·3	77	− 3	26·5	20·1	0·0	...	6·5	4·1
18	1006·8	+ 2·3	29·5	23·0	6·5	25·8	0·0	2·4	21·8	− 0·1	79	− 1	25·9	18·5	0·5	15	4·2	5·0
19	1007·5	+ 3·0	30·2	22·9	7·3	26·3	+ 0·5	3·5	20·4	− 1·5	70	− 10	23·7	19·5	0·1	5	7·8	4·8
20	1007·6	+ 3·1	30·0	23·0	7·0	26·1	+ 0·4	3·5	20·2	− 1·7	70	− 10	23·4	19·1	0·5	20	7·9	4·5
21	1007·0	+ 2·5	30·0	22·6	7·4	25·8	+ 0·1	3·5	19·9	− 2·0	70	− 10	23·0	19·2	0·7	20	7·1	3·6
22	1006·9	+ 2·3	30·7	21·8	8·9	25·8	+ 0·1	3·5	19·9	− 2·0	70	− 10	23·0	17·5	0·0	...	6·6	3·4
23	1007·3	+ 2·7	30·7	20·6	10·1	25·6	− 0·1	3·6	19·5	− 2·4	69	− 11	22·4	15·2	0·0	...	6·7	4·1
24	1005·8	+ 1·1	29·9	20·9	9·0	25·4	− 0·3	3·7	19·1	− 2·8	68	− 12	21·9	15·7	4·4	45	8·8	4·3
25	1004·8	+ 0·1	29·0	21·7	7·3	23·9	− 1·8	2·1	20·3	− 1·6	80	0	23·6	19·9	2·6	20	6·1	9·2
26	1004·4	− 0·3	28·0	21·4	6·6	24·3	− 1·3	3·1	19·0	− 2·9	72	− 8	21·8	16·3	0·2	5	4·2	7·7
27	1006·6	+ 1·8	28·9	20·0	8·9	24·3	− 1·3	3·4	18·5	− 3·4	70	− 10	21·1	14·9	0·0	...	3·0	4·2
28	1008·1	+ 3·3	29·4	21·9	7·5	25·2	− 0·4	2·9	20·3	− 1·6	74	− 6	23·6	17·8	0·0	...	5·7	4·4
Mean	1005·5	+ 1·0	29·8	22·0	7·8	25·6	− 0·2	3·0	20·5	− 1·3	73·4	− 5·9	23·9	18·3	Sum 23·6	Sum 325	*6·5	5·4
Aver.	1004·5	...	29·7	22·8	6·9	25·8	...	2·3	21·8	...	79·3	...	25·9	20·5	213·3	2124	5·3	6·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF FEBRUARY 1925.

The steepening gradients across the Indian Ocean towards Seychelles and Madagascar to which reference was made in the January weather note culminated in a low pressure area in the region of Madagascar and the Mozambique Channel between the 3rd and 8th of February. Two cyclonic storms occurred ; Mauritius was on the extreme limit of these low pressure areas.

Pressure fell to slightly below normal on the 7th and the weather remained fine. Very little rain fell at Mauritius during the existence of these depressions.

Pressure again began to fall on the 10th and a cyclonic area developed East of Rodrigues on the 12th, travelled to the South of Mauritius by the 13th and then curved towards the South East in about latitude 24°S and longitude 59°E.

The weather conditions after the passage of this cyclone were generally anticyclonic and after a slight decrease of pressure on the 26th, shewed evidence of the setting in of the winter trades. Pressure rose rapidly and very sharp gradients towards Seychelles developed by the 28th.

Pressure was 1 mb above: Temperature 0.2 C. below and Humidity 5.9% below normal in the mean. Rainfall at the Observatory was 89% below normal, constituting one of the lowest rainfalls on record for the month of February. Sunshine was 23% above and cloudiness 10% below normal.

The percentage variations from the normal for the different districts of the Island were as follows :—

Northern Districts	River System 1,	72 % below	Western Districts	River System 11	61% below
Eastern Districts	,, ,, 2, 3, 4,	61 % ,,		,, ,, 12	78% ,,
South-Eastern Districts	,, ,, 5 & 6	52 % ,,		,, ,, 13	91% ,,

* Mean of 27 days.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1925

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
FEB.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	9·3	72	0·0	+ 3·8	90	3·8	3·9	+ 0·4	25·2	26·3	28·3	28·5	...	27·7	27·9	c.f. b.
2	8·0	62	+ 0·2	+ 3·1	94	3·1	3·2	— 0·3	25·2	26·3	28·3	28·6	...	27·9	28·0	b. : c.f. o. .
3	10·4	81	+ 0·8	+ 3·2	104	3·3	3·3	— 0·2	25·2	26·4	28·3	28·7	...	28·1	28·4	o. : c.f. : c. .
4	10·5	81	+ 0·4	+ 2·9	98	2·9	2·9	— 0·6	25·2	26·4	28·3	28·7	...	28·0	28·1	b. : c.f. : c. p.
5	9·8	76	+ 0·8	+ 3·3	104	3·4	3·4	0·0	25·2	26·4	28·1	28·8	...	28·2	28·3	r. o. c.f. : c. .
6	11·4	88	+ 0·3	+ 2·4	97	2·4	2·5	— 0·9	25·2	26·4	28·4	28·7	...	28·1	28·4	b. : c.f. .
7	11·1	86	+ 0·3	+ 3·1	96	3·1	3·1	— 0·3	25·3	26·5	28·4	28·9	...	28·3	28·5	c.f. .
8	11·7	91	— 0·4	+ 2·4	80	2·4	2·5	— 0·9	25·3	26·4	28·4	29·1	...	28·4	28·5	c.f. c.p. .
9	9·0	70	— 0·3	+ 2·2	82	2·2	2·5	— 0·9	25·3	26·6	28·5	29·1	...	28·3	28·3	c.f. : c. : b.
10	12·0	94	— 1·0	+ 2·1	64	2·3	2·4	— 1·0	25·3	26·7	28·5	28·8	...	27·9	27·9	b. : c.f. .
11	11·9	93	— 2·0	+ 1·8	42	2·7	2·7	— 0·7	25·3	26·5	28·5	28·7	...	28·0	28·0	c.f. b. .
12	6·6	52	— 1·6	+ 0·1	4	1·6	2·0	— 1·4	25·3	26·6	28·5	28·5	...	27·8	27·6	b. : c.f. .
13	9·5	75	— 2·4	— 2·9	310	3·8	3·8	+ 0·4	25·3	26·5	28·4	28·5	...	28·1	28·2	b. : c.f. : c . .
14	10·3	81	— 1·3	— 1·8	306	2·2	2·9	— 0·5	25·3	26·5	28·4	28·7	...	28·6	28·9	c. : b. : c.p. c.f.
15	5·3	42	— 1·5	+ 1·3	41	2·0	2·3	— 1·1	25·3	26·6	28·4	28·9	...	28·5	28·2	b. : c.f. : o. : c. : b.
16	8·0	63	— 1·0	+ 2·6	69	2·8	2·9	— 0·5	25·3	26·5	28·4	28·6	...	28·1	28·1	b. : c.f. : b.
17	8·4	66	— 0·7	+ 2·2	72	2·3	2·4	— 1·0	25·3	26·5	28·4	28·8	...	28·3	28·6	b. : c.f. : : b.
18	7·7	61	— 0·1	+ 2·1	87	2·1	2·3	— 1·1	25·3	26·7	28·5	28·7	...	28·0	28·1	b. : c.f. : o.t. : c.f : b.
19	11·2	89	— 1·0	+ 3·2	73	3·4	3·4	0·0	25·3	26·6	28·5	28·5	...	28·1	28·3	b. : c.f. .
20	11·6	92	— 1·4	+ 3·2	66	3·5	3·6	+ 0·2	25·3	26·6	28·4	28·7	...	28·3	28·4	c.f. .
21	10·5	83	— 1·2	+ 2·9	67	3·1	3·2	— 0·2	25·4	26·8	28·4	28·8	...	28·2	28·2	b. c.f. : b.
22	11·2	89	— 1·5	+ 2·0	53	2·5	2·6	— 0·8	25·3	26·6	28·4	28·8	...	28·1	28·0	b. : c.f. : b.
23	10·7	85	— 2·1	+ 1·9	42	2·9	2·9	— 0·5	25·4	26·7	28·4	28·5	...	28·0	27·9	b. : c.f. .
24	7·3	58	— 1·3	+ 1·6	50	2·0	2·4	— 1·0	25·4	26·7	28·4	28·5	...	27·9	27·6	c.p:b. : c.f. .
25	3·3	26	— 1·2	+ 1·2	45	1·7	2·4	— 1·0	25·4	26·7	28·3	28·2	...	27·8	27·4	c. o.p.p. .
26	3·6	29	— 0·5	+ 1·6	73	1·7	1·8	— 1·6	25·4	26·8	28·3	28·2	...	27·4	27·0	o. .
27	4·7	38	— 1·1	+ 1·4	52	1·8	1·9	— 1·5	25·4	26·8	28·2	27·9	...	26·9	26·2	b. : c.f. b.
28	10·4	83	— 1·8	+ 3·0	50	3·5	3·5	+ 0·1	25·4	26·8	28·1	27·5	...	26·9	26·7	b. : c.f. .
Mean	9·12	71·7	—0·81	+ 2·00	67·9	2·16	2·81	— 0·60	25·30	26·57	28·37	28·60	...	28·00	27·99	...
Average	7·41	58·3	—0·31	+ 2·24	82·1	2·26	3·41	...	25·09	26·92	...	...	...	28·32	28·34	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF FEBRUARY 1925.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1009·4mbs	at 22h	on 28th	998·6mbs	at 16h	on 13th
Temperature of the Air	31·4C	at 14h50 and 13·20	on 14th on 17th	20·0C	at 5h45 and 6·20	on 10th on 27th
Daily range of temperature of the Air...	10·7C	...	on 12th	5·5C	...	on 1st & 25th
Temperature of the Dew Point	23·9C	at 17h	on 14th	16·3C	at 14h	on 11th
Daily range of temperature of the Dew Point	4·8C	... ...	on 4th	1·5C	...	on 14th
Relative humidity...	94·7%	at 3h	on 5th	43·9%	at 14h	on 11th
Wind Velocity	8·2 m.p.s.	at 13h	on 13th	0·6mps	often	
Rainfall	6·0mm.	ending 4h	on 5th	..	...	...
Temperature of the soil at 3 ins. ...	30·5C	at 15h	on 14th	25·0C	at 6h & 9h	on 28th
" " at 6 ins. ...	29·5C	at 18h&21h	on 14th	25·9C	at 9h	on 28th
Duration of sunshine...	12·0 hrs.	...	on 10th	3·3 hrs.	...	on 25th
Amount of Evaporation in 24 hours	8·8mm.	...	on 24th	2·8 m.m.	...	on 15th
Vapour Tension	29·4mbs	at 17h	on 14th	18·4mbs	at 14h	on 11th
Minimum on Grass	...	...	...	14·9C	...	on 27th

Number of Days Overcast, 5, Clear 0, of Rain 17, of Lightning 0, of Thunderstorm 1

Mean Day Temperature of Air 27·63 Average 27·63C, Mean Night Temperature of Air 23·61 Average 24·11C

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

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 1925.

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

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour \ Day
Midnight	0063	0073	0072	0070	0057	0058	0053	0052	0061	0070	0067	0050	0028	0012	0037	0050	Midnight
1h	0060	0071	0069	0069	0050	0053	0050	0048	0056	0064	0064	0044	0022	0010	0033	0049	1h
2	0056	0067	0063	0063	0040	0052	0045	0042	0052	0063	0062	0040	0017	0007	0030	0043	2
3	0052	0063	0059	0062	0040	0047	0043	0041	0048	0062	0061	0036	0010	0002	0028	0041	3
4	0052	0061	0059	0060	0040	0046	0042	0040	0046	0060	0059	0035	0010	0000	0029	0042	4
5	0052	0058	0060	0059	0039	0043	0038	0041	0046	0059	0059	0037	0009	0002	0032	0047	5
6	0053	0057	0063	0060	0042	0050	0038	0042	0052	0059	0059	0040	0009	0008	0037	0050	6
7	0059	0061	0069	0063	0048	0053	0039	0050	0059	0062	0061	0043	0009	0010	0042	0057	7
8	0060	0067	0072	0067	0051	0056	0040	0053	0062	0062	0061	0047	0010	0013	0046	0062	8
9	0068	0070	0073	0069	0058	0056	0042	0054	0063	0063	0060	0049	0012	0017	0046	0063	9
10	0069	0069	0071	0069	0059	0052	0042	0054	0064	0063	0060	0046	0010	0018	0048	0061	10
11	0067	0069	0072	0066	0058	0050	0038	0053	0065	0062	0056	0039	0005	0018	0044	0060	11
Noon	0062	0067	0067	0063	0057	0047	0036	0051	0063	0061	0050	0031	0000	0012	0043	0059	Noon
13h	0060	0062	0061	0053	0050	0040	0032	0047	0060	0059	0042	0029	9997	0009	0039	0053	13h
14	0051	0061	0052	0050	0046	0037	0029	0041	0059	0057	0037	0023	9990	0000	0038	0052	14
15	0052	0061	0048	0047	0042	0034	0027	0038	0053	0054	0033	0022	9988	0000	0032	0049	15
16	0052	0061	0047	0042	0042	0033	0023	0035	0052	0053	0032	0019	9986	0000	0031	0048	16
17	0052	0062	0048	0043	0043	0033	0024	0037	0054	0053	0033	0019	9991	0002	0032	0049	17
18	0058	0067	0049	0046	0050	0036	0029	0039	0059	0058	0034	0025	9993	0009	0037	0053	18
19	0063	0070	0059	0051	0058	0042	0038	0046	0063	0062	0042	0028	0002	0019	0044	0062	19
20	0068	0072	0067	0053	0066	0049	0042	0052	0069	0068	0046	0030	0008	0029	0050	0067	20
21	0072	0074	0070	0052	0067	0057	0050	0059	0072	0069	0050	0034	0012	0032	0053	0069	21
22	0073	0078	0073	0057	0067	0059	0053	0062	0073	0071	0052	0037	0013	0037	0054	0070	22
23	0072	0077	0073	0058	0063	0056	0053	0062	0072	0070	0053	0033	0015	0038	0053	0070	23

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	...	...	...	Mean	Day \ Hour
Midnight	0068	0073	0081	0084	0080	0077	0079	0074	0061	0053	0059	0082	...	...	...	1006·2	Midnight
1h	0066	0071	0078	0082	0076	0073	0078	0068	0059	0049	0057	0080	...	...	...	1005·9	1h
2	0062	0066	0072	0077	0070	0070	0070	0065	0053	0042	0051	0077	...	...	...	1005·4	2
3	0060	0061	0069	0072	0066	0068	0069	0063	0049	0039	0050	0074	...	...	...	1005·1	3
4	0059	0061	0069	0071	0065	0068	0068	0062	0047	0038	0051	0073	...	...	...	1005·1	4
5	0060	0060	0070	0073	0067	0066	0069	0061	0049	0038	0052	0074	...	...	.	1005·1	5
6	0061	0061	0075	0075	0068	0069	0073	0062	0051	0040	0058	0078	...	...	...	1005·3	6
7	0065	0069	0079	0079	0071	0072	0078	0067	0055	0049	0066	0082	...	...	...	1005·8	7
8	0068	0071	0080	0080	0078	0073	0080	0068	0057	0050	0070	0087	..	...	...	1006·1	8
9	0071	0072	0081	0081	0078	0073	0081	0067	0058	0051	0071	0089	...	...	...	1006·2	9
10	0071	0073	0081	0081	0077	0075	0081	0062	0054	0050	0071	0089	...	...	...	1006·1	10
11	0069	0072	0081	0080	0074	0070	0080	0060	0050	0044	0070	0088	...	...	...	1005·9	11
Noon	0063	0067	0077	0078	0070	0068	0077	0052	0042	0040	0069	0081	...	...	...	1005·6	Noon
13h	0059	0060	0070	0072	0065	0062	0072	0049	0037	0037	0065	0078	...	...	...	1005·1	13h
14	0055	0058	0062	0068	0062	0060	0069	0043	0032	0032	0062	0072	...	...	...	1004·6	14
15	0054	0055	0061	0065	0060	0059	0065	0042	0031	0030	0061	0070	...	...	...	1004·4	15
16	0054	0054	0060	0064	0059	0058	0062	0039	0033	0028	0060	0069	...	...	...	1004·3	16
17	0055	0059	0062	0065	0059	0059	0063	0040	0037	0030	0061	0070	...	...	...	1004·4	17
18	0060	0062	0069	0069	0062	0063	0064	0048	0041	0037	0065	0075	...	...	...	1004·9	18
19	0066	0069	0078	0073	0067	0069	0069	0050	0049	0043	0074	0082	...	...	...	1005·5	19
20	0072	0076	0083	0080	0072	0074	0072	0059	0050	0050	0079	0090	...	...	...	1006·0	20
21	0079	0080	0084	0084	0077	0079	0075	0062	0053	0059	0081	0093	...	...	...	1006·4	21
22	0079	0086	0088	0085	0079	0082	0078	0067	0060	0062	0086	0094	...	...	...	1006·7	22
23	0078	0084	0089	0084	0080	0080	0077	0065	0059	0060	0085	0093	...	...	...	1006·6	23

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

Hour. \ Day.	FEBRUARY 1925.																															Mean.
	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	...	...	..	
Midnight	9	1	9	5	10	2	8	1	5	2	7	5	5	9	1	2	3	2	2	8	2	2	1	7	7	10	3	1	...	...	...	4·6
1h	7	1	9	3	10	3	9	2	5	2	6	5	4	9	2	1	2	4	1	8	3	2	1	4	8	9	1	1	...	...	...	4·4
2	5	2	9	2	10	3	7	3	4	3	4	3	2	8	2	1	2	5	1	4	4	1	1	4	8	8	1	1	...	...	...	3·9
3	5	2	9	1	9	4	4	5	4	4	2	4	1	7	2	1	2	1	2	1	3	1	1	3	9	7	1	1	...	...	...	3·4
4	6	3	9	2	8	8	3	4	4	4	3	3	1	5	3	2	3	5	2	3	3	3	1	2	9	6	1	1	...	...	...	3·8
5	7	4	9	4	8	3	4	5	5	3	4	3	1	5	4	3	4	5	2	6	3	4	2	2	9	6	2	2	...	...	...	4·2
6	9	7	7	5	7	9	8	5	7	2	2	2	2	4	6	3	3	2	4	6	2	4	3	2	9	9	2	2	...	...	...	4·8
7	8	9	8	7	7	9	7	5	7	3	2	3	4	4	6	5	3	4	4	4	4	4	2	2	8	9	3	4	...	...	...	5·2
8	8	9	7	7	8	8	6	4	8	4	3	3	6	3	6	7	5	6	4	5	3	5	2	2	9	8	2	2	...	...	...	5·4
9	9	9	6	7	9	8	6	4	8	6	3	3	7	3	7	9	6	8	4	6	3	6	3	0	9	7	1	3	...	...	...	5·7
10	8	9	6	5	9	8	7	4	8	6	3	3	6	3	7	6	5	9	5	5	4	7	4	1	9	7	6	5	...	...	...	5·9
11	7	9	6	7	9	7	7	5	8	6	4	3	5	4	8	5	6	10	5	6	5	4	7	2	7	9	8	6	..	...	...	6·2
Noon	7	9	5	9	8	6	5	4	9	7	6	6	5	4	9	6	6	9	6	6	6	4	5	6	9	8	9	6	...	...	...	6·6
13h	7	9	6	5	8	6	6	3	8	6	5	8	5	4	10	7	5	9	5	6	5	5	6	6	9	8	9	6	...	...	...	6·5
14	8	9	7	4	6	5	7	4	9	6	3	9	6	4	10	6	6	7	4	4	5	5	5	7	10	8	9	5	..	..	...	6·4
15	8	9	8	3	8	5	8	4	8	7	3	9	8	6	9	7	6	7	6	4	6	6	5	7	10	9	9	5	..	...	...	6·8
16	8	9	8	3	8	6	8	5	8	6	3	9	8	7	8	6	5	7	7	4	5	5	6	0	10	9	8	6	...	...	..	6·7
17	8	9	9	7	8	8	8	6	5	5	4	9	9	8	8	5	5	6	9	5	4	4	7	7	10	9	7	6	...	...	...	7·0
18	7	9	9	9	8	9	8	7	4	8	3	9	9	7	7	4	4	6	8	5	4	4	8	6	10	9	7	8	..	..	...	7·0
19	6	9	7	8	9	8	6	6	3	8	3	9	9	6	6	3	5	4	7	4	4	2	7	5	10	7	5	8	...	..	...	6·2
20	5	10	8	9	2	6	5	7	3	7	2	9	8	5	3	2	3	2	8	3	3	2	5	2	10	3	4	7	...	...	...	5·1
21	4	10	9	8	3	6	5	8	2	9	2	9	6	4	1	1	4	1	8	2	2	1	3	5	10	9	2	7	..	...	...	5·0
22	3	10	7	9	1	7	3	8	3	8	3	8	8	2	2	2	3	0	5	2	2	1	4	7	10	8	1	8	...	...	...	4·8
23	2	9	6	10	1	8	2	6	2	7	4	5	8	2	2	2	3	1	4	3	1	1	6	9	10	5	1	4	...	...	...	4·4

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

Hour* Ending \ Day.	FEBRUARY 1925.																															Total.
	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	...	...	...	
	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	1	1	0	0	0	0	0	1	0	7	1	1	6	8	0	0	1	1	0	0	0	0	0	1	0	0	5	1	...	...	...	0·6
7	12	18	45	57	28	40	40	60	30	60	59	45	60	58	54	0	59	58	27	58	25	50	59	59	30	6	59	59	...	...		20·3
8	39	16	60	60	60	60	58	60	30	60	60	54	57	60	60	6	60	60	60	60	30	60	60	60	10	0	60	60	...	...	...	23·0
9	37	50	60	60	50	60	57	60	45	60	60	56	47	60	60	0	60	45	60	60	60	60	60	60	2	32	60	60	...	...	...	24·0
10	48	29	60	60	33	60	60	60	45	55	60	40	60	60	22	14	60	5	60	60	60	59	58	60	12	48	60	50	...	...	...	22·6
11	60	60	53	60	47	60	60	60	55	60	60	59	60	60	50	60	60	8	60	60	60	60	40	60	38	20	25	40	...	...	...	24·3
Noon	60	60	60	60	56	60	60	60	51	60	50	55	60	60	45	57	60	0	60	60	60	60	55	50	30	32	0	50	...	...	...	23·8
13h	60	60	50	60	58	60	60	60	45	60	60	15	60	60	3	56	60	0	60	60	59	60	58	41	48	5	0	60	...	...	...	22·3
14	50	55	59	60	60	60	55	60	35	60	60	0	60	60	0	60	60	50	60	60	59	58	54	25	28	30	0	60	...	...	...	22·3
15	21	57	52	60	60	60	55	60	60	60	60	0	55	60	0	38	20	60	60	60	59	50	60	14	0	40	0	55	...	...	...	20·6
16	60	32	60	55	56	60	60	60	35	60	55	38	24	59	0	58	0	60	60	50	60	40	60	3	0	2	15	50	...	...	...	19·5
17	60	33	55	4	34	60	60	60	60	55	60	33	6	1	14	60	0	60	55	59	60	50	50	1	0	0	0	45	...		...	17·3
18	50	10	10	35	45	46	40	40	48	58	60	0	15	10	10	58	5	55	45	50	37	60	26	5	0	0	0	35	...	...	...	14·2
19	1	0	0	0	0	1	0	0	0	4	10	0	0	1	0	10	0	0	5	1	0	5	0	0	0	0	0	0	...	...	...	0·6

The total amount of registered sunshine was 255·4 hours and the total possible sunshine 356·1 hours.

* Reckoned from apparent midnight.

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 1925.

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

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

TABLE XI. (*Contd.*)—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 1925

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

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

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

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

FEBRUARY 1925.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	895	925	900	928	894	929	900	915	900	914	900	933	900	910	896	918	Midnight
1h	890	925	900	929	895	925	900	918	900	926	900	911	900	913	895	924	1h
2	891	922	900	927	900	928	900	912	900	917	900	915	900	915	896	918	2
3	889	927	900	924	900	932	900	928	900	922	900	922	900	918	896	921	3
4	883	926	900	931	906	930	900	924	905	924	900	918	900	918	896	921	4
5	889	928	900	930	900	931	900	920	904	918	900	922	900	919	896	918	5
6	890	923	900	926	900	928	900	922	903	914	900	911	900	922	897	916	6
7	900	937	900	932	907	935	900	921	911	926	900	922	900	923	897	913	7
8	907	935	900	938	913	934	907	934	912	930	889	929	907	933	895	922	8
9	909	946	910	948	919	946	906	930	910	948	900	933	908	941	889	926	9
10	909	943	908	940	914	936	908	938	910	950	909	942	909	943	905	926	10
11	910	951	909	943	925	938	909	942	918	945	907	932	910	950	900	935	11
Noon	909	945	908	939	917	941	908	940	908	941	913	932	910	949	912	931	Noon
13h	909	943	914	936	924	936	909	944	910	951	907	935	911	956	900	941	13h
14	900	964	907	936	917	941	910	948	920	948	916	939	908	939	908	937	14
15	910	949	908	937	917	941	908	940	911	953	908	941	909	946	900	928	15
16	900	959	906	930	909	943	908	939	910	951	907	932	917	941	900	931	16
17	900	950	900	925	913	934	906	927	909	945	906	930	908	940	889	929	17
18	900	948	900	923	908	941	908	937	914	934	906	929	900	938	883	926	18
19	900	933	900	927	905	926	904	921	911	929	900	909	900	925	889	929	19
20	900	936	900	931	900	923	900	921	904	921	900	913	900	924	892	911	20
21	900	927	896	920	900	914	900	921	904	921	900	919	900	929	887	919	21
22	900	931	891	922	900	918	900	918	904	921	900	913	896	921	892	908	22
23	900	932	887	933	900	918	906	928	906	931	900	915	894	927	900	922	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	894	913	890	915	892	910	888	909	892	897	904	882	893	903	887	919	Midnight
1h	896	910	893	910	890	915	885	910	893	896	903	883	894	902	888	919	1h
2	896	910	897	905	897	905	894	904	894	900	897	883	883	907	886	914	2
3	892	918	897	905	896	906	895	903	894	900	900	885	882	904	884	916	3
4	893	916	895	907	893	910	895	903	889	900	892	880	886	903	886	921	4
5	893	915	894	908	891	912	892	906	884	889	888	882	887	903	881	919	5
6	893	916	896	906	893	910	891	907	893	897	892	890	891	902	887	913	6
7	894	915	893	910	896	906	895	903	885	876	897	895	888	902	885	915	7
8	893	916	887	920	886	921	895	903	871	871	893	890	879	909	907	933	8
9	904	920	894	927	878	922	889	905	874	874	877	866	879	931	894	931	9
10	905	923	889	927	867	913	890	890	859	859	863	863	883	925	881	928	10
11	914	934	889	928	857	929	881	888	879	850	858	857	876	924	891	943	11
Noon	913	933	900	928	873	941	894	869	873	835	874	836	884	939	900	946	Noon
13h	925	937	887	933	857	929	893	867	854	832	863	844	884	893	882	944	13h
14	911	929	878	932	872	942	882	882	848	848	864	846	893	885	900	944	14
15	900	944	881	928	864	924	856	918	860	840	865	848	885	915	907	935	15
16	900	950	878	932	869	931	848	922	852	852	869	854	881	928	884	939	16
17	882	945	886	935	854	930	850	910	860	860	916	916	886	934	893	936	17
18	887	932	883	941	854	930	862	915	858	858	906	913	878	922	887	934	18
19	888	919	885	923	875	917	881	908	866	866	888	919	887	913	887	919	19
20	893	910	889	927	885	910	884	900	878	878	894	903	884	916	891	913	20
21	891	912	892	918	893	904	894	900	883	883	890	904	888	918	891	912	21
22	891	913	892	920	894	904	894	900	886	886	894	902	887	913	892	911	22
23	893	909	892	920	895	903	893	900	900	879	894	903	884	924	890	915	23

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

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

FEBRUARY 1925.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	892	911	889	917	893	917	900	916	878	922	886	921	893	905	884	924	Midnight
1h	892	911	891	912	891	921	900	916	886	914	891	913	885	910	886	914	1h
2	893	909	893	909	889	917	897	916	883	917	895	907	886	910	891	909	2
3	891	913	894	908	889	916	897	916	884	939	896	907	886	910	895	911	3
4	888	919	894	908	889	917	892	918	881	928	889	916	894	904	885	910	4
5	889	916	892	911	890	915	888	919	885	915	892	911	894	904	879	914	5
6	888	918	894	908	890	915	887	913	890	910	895	911	894	904	887	909	6
7	890	914	894	913	886	921	880	920	888	912	898	911	895	903	881	912	7
8	900	930	889	927	900	944	884	924	887	919	891	909	890	908	878	922	8
9	907	934	900	929	891	944	877	955	877	935	887	932	866	934	874	939	9
10	906	929	907	935	880	949	877	956	881	947	862	908	868	922	885	938	10
11	900	936	909	922	889	955	880	949	891	944	875	938	889	929	886	936	11
Noon	907	936	912	930	881	946	888	958	886	936	882	944	879	932	889	927	Noon
13h	900	929	907	936	900	963	889	956	900	945	885	938	871	943	885	924	13h
14	886	934	908	940	900	951	889	955	900	943	884	940	853	932	911	889	14
15	887	919	900	938	882	944	882	944	891	946	877	934	850	933	914	900	15
16	882	918	908	937	888	958	879	950	892	938	875	925	867	933	911	898	16
17	894	930	900	933	889	952	880	949	892	940	873	927	855	930	880	920	17
18	889	929	906	931	878	932	875	938	880	949	877	923	871	929	876	915	18
19	892	919	900	918	891	922	886	922	890	924	885	915	867	922	879	914	19
20	895	912	898	911	896	921	890	915	895	922	892	908	879	914	885	910	20
21	894	914	898	912	891	921	891	913	890	923	891	909	889	911	885	915	21
22	890	923	898	912	891	922	885	924	889	916	886	914	894	904	878	922	22
23	886	921	893	916	894	915	885	923	887	913	874	917	881	913	882	912	23

Day. / Hour.	25d.		26d.		27d.		28d.		...		...		...		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	...	...	...	...	...	...	N.	E.	
Midnight	887	913	892	908	885	915	885	915	...	...	...	...	...	...	893	914	Midnight
1h	893	916	892	908	883	917	885	915	...	...	...	...	...	...	893	914	1h
2	900	925	896	904	885	915	885	915	...	...	...	...	...	...	894	912	2
3	883	917	896	904	892	908	885	915	...	...	...	...	...	...	893	914	3
4	900	922	895	905	891	909	888	919	...	...	...	...	...	...	893	914	4
5	881	928	895	905	890	910	889	917	...	...	...	...	...	...	892	914	5
6	884	916	894	906	889	911	887	913	...	...	...	...	...	...	893	912	6
7	885	924	892	908	892	908	884	916	...	...	...	...	...	...	893	914	7
8	886	922	887	913	888	912	880	920	...	...	...	...	...	...	893	920	8
9	888	931	883	926	887	919	876	936	...	...	...	...	...	...	891	929	9
10	879	932	884	924	896	919	882	944	...	...	...	...	...	...	890	927	10
11	876	936	900	931	903	917	891	945	...	...	...	...	...	...	894	930	11
Noon	886	934	906	927	902	908	883	941	...	...	...	...	...	...	896	927	Noon
13h	887	934	900	921	900	908	871	944	...	...	...	...	...	...	894	927	13h
14	868	932	905	923	880	913	878	953	...	...	...	...	...	...	893	927	14
15	881	892	906	928	871	919	879	951	...	...	...	...	...	...	890	926	15
16	907	883	904	920	891	907	878	953	...	...	...	...	...	...	890	927	16
17	903	883	910	923	889	926	870	945	...	...	...	...	...	...	889	929	17
18	883	900	900	918	890	923	876	936	...	...	...	...	...	...	887	927	18
19	891	893	900	919	889	916	879	932	...	...	...	...	...	...	890	918	19
20	894	896	890	924	887	919	888	918	...	...	...	...	...	...	889	915	20
21	894	896	889	916	880	920	888	918	...	...	...	...	...	...	893	914	21
22	891	893	894	906	890	910	884	924	...	...	...	...	...	...	892	913	22
23	892	908	886	914	885	915	874	926	...	...	...	...	...	...	891	916	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during FEBRUARY 1925.

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

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 1925.

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	7	2·6	8	2·8	7	3·0	8	1·5	8	1·4	8	3·3	8	1·0	7	1·8	6	1·4	5	1·8	5	1·3	3	1·5	r30	0·9	23	1·8	2	0·8	5	2·3
1h	6	2·7	8	2·9	7	2·6	8	1·8	8	2·6	8	1·1	8	1·3	7	2·5	6	1·1	5	1·2	5	1·8	3	1·8	29	0·8	23	1·7	2	0·6	5	2·2
2	6	2·4	8	2·7	8	2·8	8	1·2	8	1·7	8	1·5	8	1·5	7	1·8	6	1·1	5	0·6	5	0·6	3	0·7	d 0	0·6	25	1·7	2	1·9	4	2·0
3	6	2·9	8	2·4	8	3·2	8	2·8	8	2·2	8	2·2	8	1·8	7	2·1	6	2·0	5	0·6	5	0·7	3	0·6	0	0·6	24	1·5	1	1·8	4	2·3
4	5	3·1	8	3·1	9	3·1	8	2·4	9	2·5	8	1·8	8	1·8	7	2·2	6	1·8	5	0·9	5	1·2	3	0·6	0	1·1	26	2·2	1	1·4	5	2·5
5	6	3·0	8	3·0	8	3·1	8	2·0	9	1·8	8	2·2	8	1·9	7	1·8	6	1·7	5	1·0	5	1·5	3	1·0	r29	1·9	27	2·1	1	1·3	4	2·7
6	6	2·5	8	2·6	8	2·8	8	2·2	9	1·4	8	1·1	8	2·2	7	1·6	6	1·8	5	0·7	5	1·2	3	1·1	30	0·8	27	1·3	1	0·9	4	1·9
7	8	3·7	8	3·2	9	3·6	8	2·1	10	2·8	8	2·2	8	2·3	7	1·3	6	1·6	5	1·2	5	0·7	3	0·6	27	2·8	27	0·6	1	1·2	4	2·2
8	9	3·6	8	3·8	10	3·6	9	3·5	10	3·2	6	3·1	9	3·4	7	2·3	6	1·8	5	2·4	5	2·5	3	0·6	28	4·1	27	1·2	2	2·3	9	3·4
9	9	4·7	9	4·9	10	5·0	9	3·1	9	4·9	8	3·3	9	4·2	6	2·8	9	2·0	7	2·8	5	3·2	r 2	1·2	28	3·7	27	4·1	5	3·7	7	3·2
10	9	4·4	9	4·1	10	3·9	9	3·9	9	5·1	9	4·3	9	4·4	9	2·7	9	2·4	6	2·9	4	3·5	28	1·4	28	5·9	28	5·3	5	3·0	5	3·4
11	9	5·2	9	4·4	11	4·6	9	4·3	10	4·9	9	3·3	9	5·1	8	3·5	10	3·7	6	3·0	2	5·2	29	2·2	26	5·4	28	6·1	4	3·4	7	4·4
Noon	9	4·6	9	4·0	10	4·4	9	4·1	9	4·2	10	3·4	9	5·0	10	3·3	10	3·5	8	2·8	3	4·9	25	3·2	26	7·0	26	6·9	r 6	4·2	8	4·6
13h	9	4·4	10	3·9	11	4·4	9	4·5	9	5·2	9	3·6	9	5·7	8	4·1	11	4·5	6	3·5	5	5·2	25	3·4	27	8·2	27	6·7	30	1·8	6	4·8
14	8	6·4	9	3·7	10	4·4	9	4·9	10	5·2	10	4·2	9	4·0	9	3·8	10	3·1	5	3·9	3	5·1	28	2·6	28	7·3	27	6·5	26	1·7	8	4·4
15	9	5·0	9	3·8	10	4·4	9	4·1	9	5·4	9	4·2	9	4·7	8	2·8	8	4·4	5	3·4	5	4·4	d 2	4·8	27	7·2	27	6·3	d 4	2·2	9	3·6
16	8	5·9	9	3·1	9	4·4	9	4·0	9	5·2	9	3·3	10	4·4	8	3·1	8	5·0	5	3·9	3	4·4	2	5·7	28	6·8	27	5·6	5	3·4	6	4·2
17	8	5·0	8	2·5	10	3·6	9	2·8	9	4·6	9	3·1	9	4·1	6	3·1	6	4·9	6	3·8	4	5·5	1	5·1	28	5·7	d 12	2·3	6	3·7	7	3·7
18	8	4·8	8	2·3	9	4·2	9	3·8	10	3·7	9	3·0	8	3·8	5	3·1	6	3·4	6	4·4	3	5·5	2	4·1	28	6·0	10	1·4	4	3·1	6	3·6
19	8	3·3	8	2·7	9	2·7	9	2·2	10	3·1	8	0·9	8	2·5	6	3·1	5	2·2	5	2·7	3	3·0	2	2·1	28	4·9	5	2·2	4	1·8	5	2·3
20	8	3·6	8	3·1	8	2·3	8	2·1	9	2·1	8	1·3	8	2·4	5	1·4	5	1·2	6	2·9	3	1·8	0	1·6	28	3·1	2	0·7	4	2·3	5	1·6
21	8	2·7	7	2·0	8	1·4	8	2·1	9	2·1	8	1·9	8	2·9	5	2·3	5	1·5	6	2·0	3	0·8	0	0·6	28	2·4	2	1·1	5	2·1	5	1·5
22	8	3·1	6	2·4	8	1·8	8	1·8	9	2·1	8	1·3	7	2·1	4	1·1	5	1·6	6	2·2	3	0·7	0	0·6	28	2·0	2	0·6	4	1·9	5	1·4
23	8	3·2	6	3·5	8	1·8	9	2·9	9	3·2	8	1·5	7	2·8	8	2·2	5	1·1	6	2·2	3	0·6	0	0·7	24	2·1	2	0·7	5	2·9	5	1·8

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

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for FEBRUARY 1925.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of FEBRUARY 1925.

River System.	Register Number	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine§	50	...	...	...	...
	3	Belmont §	50	...	...	...	...
	4	Poudre d'Or§	20	...	...	...	...
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	3.74	95·0	235·2	14
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour	300	2·68	68·1	244·3	13
	10	Mont Piton	360	2·42	61·5	300·7	11
	11	Mon Choix	700	2·60	66·0	280·9	12
	12	Antoinette	640	5.02	127·5	271·2	11
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	4·49	114·0	383·8	13
	15	Mon Songe	620	3·37	95·8	264·2	12
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	1·58	40·1	224·0	6
	19	The Observatory ...	179	0·93	23·6	178·6	17
	20	Solitude	175	1.73	43·9	140·2	5
	21	St. André	90	0·56	14·2	168·9	3
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	3·24	82·3	...	5
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station* ...	106	1·40	35·5	...	4
	47	Terre Rouge Station* ..	137	0·06	1·5	...	1
	48	Mapou Station* .	296	2·50	63·5	...	3
	49	Poudre d'Or Station* ...	772	3 70	94·0	...	6
	50	Rivière du Rempart* ...	134	3·46	88·0	...	5
2 & 3	1	Union Régnard S.E. ...	600	2·63	66.8	277·4	15
	2	Constance d'Arifat L.G.	100	2·05	52·1	217·9	10
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	3·03	77·0	...	14
	10	St. Julien E(K. Reetoo)*	...	5 54	141·0	...	7
4	1	Sans Souci	900	7·33	186·2	408·4	21
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	6·31	160.3	267·2	16
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	6·13	155·7	...	24
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	4·29	169·0	183·1	10
	5	Union Vale§ .	200	..	...	.	...
5 cont.	6	Mon Désert (Carié)* ...	75	4·76	120·9	...	14
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	8·11	206·0	481·8	16
	2	Tivoli*	1,300	10·71	272·0	...	21
	3	La Flora*	1,050	10·17	258·3	...	21
	4	Britannia	730	7·28	184·9	359·9	23
	5	Savannah (Mill) ...	200	5·63	143·0	311 9	13
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold§	900	..	...	...	...
	10	Terracine§	100	...	...	..	...
	11	St. Félix S.E.§	...	...	...	.	...
	12	Bel Air§	..	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	6 35	161·3	...	9
	15	Fontenelle*	...	5·87	149·1	...	9
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre*	40	3 76	95·5	232·4	10
	3	Beau Champ*	...	4·03	102·4	..	10
	4	Board*	..	4·00	101·6	...	11
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	6·23	158·2	477·8	23
	3	Mare aux Vacoas ...	1,850	8·74	222·0	428·7	17
	4	La Marie Filter Bed ...	1,700	6.05	153·7	348·0	17
	5	Réunion	1,420	4·30	109·2	379·5	13
12	1	The Manse	850	1·95	49·5	236·7	14
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	...	...	...	...
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	4·07	103·4	...	12
	7	Trianon	950	2·53	64·3	279·6	10
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·98	24·9	. .	10
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	2·50	63·5	288·5	17
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	..
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or§	...	...	...	...	...
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	..
	2	Institute*	...	0·77	19·5	...	3

* Normals not availab. . § Record not Received

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·55 metres above SEA LEVEL during the month of FEBRUARY 1925.

Day \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum: Alto St:		Cirro Cum		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
	h	°		°		°		°		°				h	°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	15–16	120	0·5	150	0·05	105	0·4	120	0·6	...	...	285	...
3	12¼	...	...	75	0·2	135	0·07	...	...	...	...	...	...	15¼	105	0·8	105	0·3	...	...	...	...	...	...	270	...
4	10¼	90	0·7	90	0·4	...	...	...	...	...	...	345	0·03	15¼	90	0·4	...	...	...	...	...	...	...	...	...	...
5	10¼	135	0·6	135	0·9	...	...	...	...	...	...	...	...	14	135	0·9	...	...	...	...	120	0·1	105	0·3	0	0.06
6	12¼	90	0·3	135	0·06	...	...	...	...	...	...	90	0·08	15¼	105	0·4	60	0·4	...	...	...	...	...	...	90	...
7	12¼	60	0·4	...	...	...	...	...	...	...	...	...	...	15¼	60	0·8	120	1·7	...	...	...	...	...	...	0	0·2
8	10¼	75	0·5	120	0·3	...	...	...	...	...	...	...	...	12¼	120	0·3	105	0·1	...	...	...	...	...	...	...	...
9	10¼	75	0·5	30	0·1	...	...	...	...	...	...	...	...	15¼	60	0·8	...	...	345	0·1	...	...	...	...	...	...
10	10¼	...	...	90	0·5	...	...	...	...	...	...	...	...	15–16	80	0·3	90	...	45	0·2	...	...	...	...	...	...
11	10¼	...	...	30	0·4	...	...	...	...	...	...	...	...	15	...	...	30	0·2	...	...	...	...	...	...	...	...
12	10½	345	0·5	345	0·1	...	...	...	...	...	...	...	...	15½	...	...	60	0·5	345	0·1	...	...	...	...	...	...
13	10¼	315	2·2	345	0·1	...	...	...	...	...	...	300	0·04	...	...	...	...	0·2	...	...	...	...	...	...	...	...
14	10¼	315	1·0	315	0·3	...	...	...	...	...	...	...	...	15½	330	1·2	330	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	15¼	150	0·4	...	...	75	0·02	...	...	...	...	...	...
17	10¼	95	0·4	95	0·2	...	...	...	...	...	...	...	...	15¼	105	0·2	120	0·2	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	75	0·5	...	...	...	...	...	...	270	0·03
19	10¼	90	0·9	60	0·5	...	...	...	...	...	...	...	...	15¼	75	0·6	75	0·3	...	...	...	...	...	...	...	...
20	10¼	60	0·8	60	0·4	...	...	...	...	...	...	...	...	15¼	60	0·7	60	0·6	60	0·3	...	...	...	...	...	...
21	12¼	60	0·8	60	0·8	...	...	...	...	...	...	...	...	15¼	90	0·7	75	0·4	...	...	...	...	...	...	...	...
22	...	...	...	60	0·3	...	...	...	...	...	...	...	...	15¼	75	0·4	30	0·3	...	...	...	...	...	...	...	...
23	12¼	30	1·0	30	0·3	...	...	...	...	...	...	255	0·1	15¼	30	1·5	...	...	...	...	...	...	...	...	...	...
24	10¼	60	1·1	30	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	10¼	255	0·4	255	0·4	255	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	10¼	...	...	...	...	255	0.06	...	...	0	0·2	...	...	15–16	60	0·7	270	0·1	...	...	...	...	...	...	...	...
28	10¼	90	1·0	300	1·3	...	...	...	...	...	...	...	...	...	75	2·4	60	1·0	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

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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

MARCH 1925

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DIRECTOR.

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NOTE—For purposes of upper air investigation the directions of the wind in Table VI and of the clouds in Table XVI now refer to directions from South through West to North and East. The directions in Table VII still refer to directions from South through East and will not be altered until January 1926.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of MARCH 1925

Month and Day. 1924	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force.	Vertical Force.
					Unit 1 γ	
MAR.	° ′					
1	11. 6·1	·22919	·29901	4·2	30	11
2	11. 6·8	916	899	5·2	20	18
3	11. 6·5	921	901	3·6	27	3
4	11. 6·9	926	902	2·6	18	8
5	11. 6·4	917	901	3·8	45	24
6	11. 6·5	917	906	5·2	34	12
7	11. 6·7	921	904	11·2	27	36
8	11. 6·9	926	908	6·4	16	12
9	11. 7·0	923	908	9·8	78	25
10	11. 5·9	916	913	9·8	30	23
11	11. 6·0	921	916	9·4	25	24
12	11. 6·9	920	918	9·0	12	25
13	11. 6·6	921	915	9·6	19	27
14	11. 6·0	929	919	6·6	33	11
15	11. 6·5	917	918	10·2	80	22
16	11. 6·4	912	922	8·0	32	21
17	11. 7·2	916	919	9·4	26	28
18	11. 7·4	913	920	8·2	16	27
19	11. 7·1	924	922	8·0	33	18
20	11. 7·7	917	921	9·8	22	35
21	11. 7·6	923	924	7·6	30	24
22	11. 7·3	926	920	8·2	33	38
23	11. 6·7	920	924	6·6	48	23
24	11. 7·8	931	922	9·6	31	28
25	11. 7·5	920	924	8·2	16	23
26	11. 7·3	922	926	10·0	27	25
27	11. 7·9	921	926	8·0	53	17
28	11. 7·9	922	924	8·0	33	24
29	11. 7·7	919	924	11·6	47	29
30	11. 7·4	913	926	9·6	39	22
31	11. 7·9	917	926	9·8	18	19
Mean	11· 6·98	·22920	·29916	7·97	32·2	22·0

T=0·37687 : Mean Dip.=θ=52°·32′·57. (X=·22490 : Y=—·04419 : Z=·29919).

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

Description of the Principal Magnetic disturbances.

The following notes give a brief description of the principal magnetic disturbances. The movements in Horizontal Force and Vertical force are expressed in C.G.S. units.

The term "wave" indicates a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "oscillations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and —denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

MARCH 1925.

March 9^{d} 9^{h} to 10^{h} Increase of H.F. (35γ) followed by a sudden decrease of force (28γ) by 10^{h}.15^{m}. and small irregular undulations till 10.^{d}0^{h}. In V.F. Sharp negative wave (8γ) 9^{d}10^{h} to 10$^{h}\frac{1}{2}$, followed by small rapid fluctuations till 10.^{d}0^{h}.

March 15^{d} Accentuated Diurnal Variation with superposed small undulations from 9^{h} to 20^{h} and two negative waves, 14$^{h}\frac{3}{4}$ to 16$^{h}\frac{1}{2}$ (22γ) and 17$^{h}\frac{1}{2}$ to 19$^{h}\frac{1}{2}$ (25γ).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of MARCH 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South).					
				A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
MAR. 5. 9.55	11. 7·80	MAR. 6. 9·54	·22931	MAR. 4 .11. 5	52.30·15	·29894	MAR. 4.13.51	52.30·00	·29890
13. 3	11. 3·40	13·22	·22926	10. 9. 1	52.32·60	·29924	10.13.37	52.32·00	·29894
10. 8.45	11.11·08	13. 9·17	·22926	18. 9.10	52.33·93	·29928	18.13.21	52.32·06	·29911
.13.27	11. 1·46	13·28	·22917	26. 9.34	52.33·13	·29926	26.13.54	52.30·91	·29910
18. 8.55	11.11·05	20. 9·22	·22915						
.13.34	11. 3·10	13·10	·22934						
25.10.50	11. 6·92	28. 9·23	·22931						
.13.34	11. 4·16	13·25	·22924						

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

MARCH 1925.

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

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

MARCH 1925.

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	911	911	917	920	927	902	917	920	921	909	916	918	920	917	920	890	Midnight
1h	913	909	916	920	930	907	917	920	924	912	918	922	920	917	925	905	1h
2	913	909	916	920	930	910	915	922	926	919	928	922	920	923	925	910	2
3	921	907	917	922	935	914	920	925	930	925	924	924	920	926	927	907	3
4	922	909	919	921	938	914	920	927	933	917	926	924	928	923	927	908	4
5	922	910	920	921	929	917	920	929	935	915	920	925	924	925	928	909	5
6	925	916	921	921	927	919	919	930	939	923	920	924	924	929	929	910	6
7	933	920	926	924	932	917	919	931	939	918	917	923	925	930	932	917	7
8	931	923	930	921	930	920	920	928	937	919	910	920	922	935	935	919	8
9	926	924	928	925	925	920	921	927	940	925	907	913	920	939	942	920	9
10	921	927	930	929	921	924	928	927	969	929	917	918	920	943	949	922	10
11	920	923	937	937	921	936	935	930	950	928	930	924	928	950	950	920	11
Noon	930	920	935	938	926	935	937	933	950	921	932	925	929	950	940	921	Noon
13h	926	918	930	933	929	930	930	936	935	914	932	922	927	944	930	913	13h
14	922	920	924	937	928	923	926	935	917	910	929	925	925	943	929	915	14
15	920	920	917	933	915	919	921	929	920	909	928	924	920	935	908	910	15
16	911	913	912	927	903	911	918	925	906	910	921	919	915	929	887	907	16
17	910	910	910	923	898	909	911	921	900	908	918	913	910	923	890	909	17
18	903	909	910	922	900	910	910	920	908	912	917	914	916	921	870	908	18
19	910	913	917	925	898	912	915	920	909	908	918	914	920	920	882	909	19
20	918	917	919	932	900	913	917	920	897	899	917	916	921	921	898	911	20
21	918	917	917	930	895	913	918	920	892	912	915	918	925	920	900	911	21
22	915	917	918	930	893	913	919	920	891	913	915	917	920	919	897	913	22
23	915	916	920	927	895	914	920	920	900	916	916	919	918	919	890	911	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	911	909	912	914	919	919	919	919	927	910	917	910	914	891	917	914·3	Midnight
1h	914	907	913	914	920	919	920	920	924	915	918	914	918	894	919	916·3	1h
2	914	910	916	918	913	922	923	923	924	916	918	920	920	899	919	918·2	2
3	915	914	917	920	918	925	920	926	924	917	920	914	920	902	920	919·9	3
4	916	913	918	919	917	926	920	925	927	920	922	918	921	908	922	920·9	4
5	917	912	917	918	920	929	922	925	925	920	921	919	921	907	927	920·9	5
6	918	914	917	922	921	930	925	927	925	920	920	920	921	910	924	922·3	6
7	919	917	915	921	923	930	930	932	925	924	921	920	922	911	924	923·8	7
8	921	913	919	920	926	928	932	937	921	923	921	921	920	912	922	923·7	8
9	926	910	930	920	930	930	937	940	924	919	927	927	924	921	920	925·4	9
10	923	911	942	923	938	937	940	943	920	920	939	931	930	928	917	929·5	10
11	929	915	945	925	940	940	943	947	923	929	941	938	934	930	910	932·5	11
Noon	933	917	941	926	943	945	947	947	923	932	943	943	938	929	910	933·5	Noon
13h	929	920	939	924	932	939	932	950	919	932	942	938	933	921	912	929·4	13h
14	921	923	930	921	924	933	920	944	920	937	940	928	927	912	912	925·8	14
15	911	919	928	914	921	932	911	937	917	931	930	922	922	910	909	920·7	15
16	907	912	925	908	919	927	903	930	916	926	927	920	920	910	910	915·3	16
17	909	911	930	905	919	919	900	925	916	925	923	918	921	914	917	913·4	17
18	910	911	921	904	919	913	899	923	915	920	920	917	928	912	915	912·2	18
19	910	910	920	904	918	912	905	922	915	913	907	914	925	910	917	912·6	19
20	910	911	917	907	919	914	907	928	912	917	890	914	910	912	918	913·0	20
21	910	913	920	909	919	917	908	921	912	919	897	917	900	916	917	913·4	21
22	910	914	918	920	919	919	910	928	911	920	900	918	897	916	916	913·7	22
23	910	912	915	920	920	917	910	925	911	918	907	918	891	915	915	913·5	23

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

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

MARCH 1925.

Hour. \ Day.	1.d	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	·29000 + (C.G.S. UNIT).																
Midnight	902	902	902	903	904	908	909	909	911	917	920	920	920	920	922	929	Midnight
1h	902	903	902	904	904	908	909	909	910	915	919	920	920	920	921	928	1h
2	902	904	902	904	904	908	909	909	910	913	918	919	919	920	920	925	2
3	901	902	902	904	906	908	909	909	910	913	918	919	919	919	920	925	3
4	900	902	902	904	905	908	910	909	910	915	918	918	918	919	920	924	4
5	900	902	902	904	906	908	910	909	910	916	919	919	918	919	920	924	5
6	900	901	901	904	906	908	910	910	910	917	920	920	919	919	920	924	6
7	901	901	900	903	906	909	913	911	914	921	922	922	921	920	923	925	7
8	904	901	900	903	907	910	916	911	916	922	923	928	926	921	925	929	8
9	908	901	901	903	903	909	912	912	913	918	921	929	923	922	921	928	9
10	902	901	900	901	896	908	901	909	908	915	915	929	919	921	920	922	10
11	901	899	900	899	885	900	889	902	899	909	909	922	910	920	912	915	11
Noon	899	895	900	896	884	899	881	900	893	902	900	912	901	914	903	908	Noon
13h	898	889	899	898	888	898	880	901	892	899	899	905	899	911	904	908	13h
14	897	886	900	898	889	898	888	902	894	899	900	904	899	913	906	911	14
15	898	888	899	899	893	901	897	908	900	901	905	907	902	915	909	917	15
16	899	890	899	902	900	907	903	910	904	905	913	910	909	919	914	921	16
17	899	893	899	903	903	909	907	910	908	910	917	912	913	920	919	922	17
18	900	899	900	904	906	909	908	910	909	913	919	915	916	920	921	923	18
19	902	901	901	904	906	908	908	910	910	917	919	917	917	920	924	924	19
20	901	901	901	903	906	908	909	910	912	918	919	918	918	921	922	923	20
21	901	901	901	903	906	908	909	910	913	919	920	919	918	921	922	924	21
22	902	902	902	902	908	909	908	910	915	918	920	920	919	921	923	924	22
23	902	902	902	903	908	908	908	910	917	918	920	920	920	921	923	924	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	925	924	924	926	924	927	925	927	924	929	928	930	928	930	929	919·3	Midnight
1h	925	925	925	926	926	927	924	926	923	929	928	930	928	930	930	919·2	1h
2	925	925	926	926	926	927	924	925	923	928	927	929	928	930	929	918·8	2
3	924	924	926	926	927	927	924	924	923	928	927	928	927	929	929	918·6	3
4	924	924	926	926	927	927	925	925	923	927	925	928	926	928	927	918·4	4
5	923	924	926	926	928	928	927	926	924	928	925	927	925	928	927	918·6	5
6	924	925	927	927	929	928	928	927	926	928	926	926	926	928	927	919·1	6
7	926	927	929	929	929	930	929	928	929	931	929	929	930	929	929	920·8	7
8	928	928	927	932	931	931	931	931	932	934	930	930	932	932	932	922·7	8
9	923	928	920	932	929	927	929	930	929	937	930	929	929	930	932	921·2	9
10	920	922	920	928	920	918	922	922	921	929	929	924	921	927	927	916·7	10
11	912	916	917	920	912	907	912	913	912	920	924	917	912	920	920	909·8	11
Noon	907	907	912	909	910	900	909	905	909	914	918	910	908	914	914	904·3	Noon
13h	900	901	911	897	907	893	908	903	909	912	913	906	903	910	913	901·7	13h
14	901	902	912	898	910	895	910	907	916	914	915	910	910	913	918	903·7	14
15	907	909	916	906	918	903	917	913	923	921	920	916	919	920	920	908.6	15
16	913	914	921	913	923	912	925	920	927	926	925	921	923	926	922	913·4	16
17	919	920	923	919	926	920	929	923	930	927	926	922	927	927	925	916·4	17
18	920	921	925	921	926	922	929	923	929	927	924	925	926	927	926	917·5	18
19	921	922	925	922	926	923	929	924	928	928	926	926	925	927	927	918·3	19
20	921	922	926	923	927	925	929	925	928	928	929	927	927	927	928	918·8	20
21	922	922	925	923	927	926	930	926	929	929	930	928	929	928	928	919·3	21
22	923	922	925	925	927	925	930	927	929	929	930	928	929	928	928	919·6	22
23	923	923	925	923	927	925	929	924	929	929	930	929	930	928	929	919·6	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·55 metres above mean sea-level) during the MONTH of MARCH 1925.

Month and Day 1925.	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	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 of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in points.	Wind. Velocity.	Highest.	Lowest.	Range.				
	mbs.	c	c	c	%	mbs.		m.p.s.	c	c	c		m.m.	hrs.	
MARCH 1	967·6	24·3	4·6	16·4	61	18·5	24	5·0	25·7	18·6	7·1	3·2	0·7	10·9	87
2	968·1	24·6	4·2	17·4	64	19·7	26	7·5	25·8	18·4	7·4	3·5	0·4	11·2	90
3	968·7	24·3	2·6	19·8	76	22·9	26	7·3	24·7	20·1	4·6	7·2	3·3	7·6	61
4	968·1	23·5	1·4	21·1	86	24·8	24	5·4	26·7	20·2	6·5	5·2	6·4	10·0	81
5	967·8	25·6	3·1	20·4	73	23·7	24	5·2	26·5	19·2	7·3	2·6	0·0	10·2	82
6	968·2	21·6	0·7	20·4	93	23·7	25	5·6	25·1	20·6	4·5	6·2	8·6	5·2	42
7	968·3	24·0	2·9	19·0	74	21·8	†	†	25·7	20·0	5·7	4·0	16·3	10·5	85
8	969·6	24·3	3·1	19·0	72	21·8	24	8·0	25·3	19·5	5·8	5·6	5·5	9·8	80
9	969·1	24·2	2·8	19·4	75	22·3	24	8·5	25·8	19·3	6·5	3·0	2·3	10·4	85
10	969·3	24·8	3·8	18·3	67	20·8	23	5·0	26·6	19·3	7·3	4·1	0·0	†	†
11	966·4	25·1	3·7	18·8	68	21·5	22	3·0	26·9	19·4	7·5	4·5	0·0	†	†
12	965·2	24·5	4·3	17·1	63	19·3	22	0·5	26·6	16·2	10·4	4·7	3·4	†	†
13	965·0	24·2	3·6	18·0	68	20·4	26	4·0	26·5	18·7	7·8	3·6	0·2	10·4	85
14	965·5	21·1	0·4	20·4	96	23·7	27	5·0	24·1	19·6	4·5	8·5	23·1	3·8	31
15	965·9	22·8	0·9	21·2	91	24·9	22	0·5	26·6	19·6	7·0	8·7	9·2	4·2	34
16	965·9	23·7	1·4	21·3	87	25·1	19	5·0	26·0	20·0	6·0	9·5	34·0	†	†
17	966·4	24·8	3·0	19·7	73	22·7	21	2·0	26·8	19·9	6·9	7·3	0·9	3·2	26
18	965·7	24·5	2·8	19·7	75	22·7	22	2·5	27·0	20·3	6·7	6·6	0·1	4·6	38
19	965·4	24·5	2·1	20·9	81	24·5	21	2·0	26·9	19·7	7·2	5·6	6·5	5·4	45
20	962·5	24·6	3·3	19·0	71	21·8	21	3·0	26·6	20·4	6·2	5·7	0·1	3·4	28
21	962·9	24·9	2·8	20·1	75	23·3	21	5·0	26·2	19·0	7·2	6·6	0·0	5·4	45
22	966·9	22·6	1·2	20·5	88	23·9	25	3·0	26·2	20·4	5·8	9·1	5·5	0·8	1
23	967·2	25·4	1·9	22·2	83	26·5	21	1·5	26·5	18·8	7·7	6·5	30·1	4·8	40
24	966·4	25·0	3·1	19·7	72	22·7	25	3·0	26·6	19·3	7·3	4·5	3·6	5·9	49
25	964·5	24·6	2·9	19·7	74	22·7	23	4·5	27·9	19·0	8·9	2·1	0·2	10·5	87
26	965·5	22·1	0·3	21·6	97	25·5	22	2·5	26·0	18·9	7·1	4·4	3·1	5·0	42
27	966·0	25·2	3·4	19·4	70	22·3	23	2·0	27·5	18·9	8·6	3·4	1·2	9·4	78
28	966·7	25·1	4·0	18·3	66	20·8	22	0·5	28·3	17·9	10·4	3·7	0·0	5·8	49
29	966·3	25·4	5·4	16·2	57	18·2	21	0·5	27·5	16·2	11·3	4·9	0·0	6·3	53
30	968·7	25·4	4·5	17·7	63	20·1	24	0·5	26·5	16·7	9·8	3·7	3·5	5·9	50
31	966·8	24·5	2·3	20·5	79	23·9	26	2·5	27·4	17·6	9·8	5·5	14·4	5·5	46
Mean	966·7	24·2	2·8	19·5	75·4	22·5	° 266·6	3·4	26·4	19·1	7·3	5·3	Sum 182·6	6·89	56·3
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean for the month at 10 a.m.:

Atmospheric Presssure	+ 41·6 mbs.
Temperature of the Air	+ 3·1 C.
Vapour Tension	+ 1·8 mbs.
Relative Humidity	— 7·7 %
Direction of Wind	8°·9 South
Velocity of Wind	— 0·3 mps.

Duration of sunshine	+ 18 hours
Amount of cloud	+ 0·3
Amount of rain	—59·1 m.m.
Mean of highest temperatures	+2·9C
Mean of lowest temperatures	+2·5C

Preliminary pilot balloon observations were secured on March 24th. 28th & 31st at the Aerological Station and gave the following results of wind direction and velocity.

	Surface	500 metres	750 metres	1,000 metres	Height of Westerly Current			Highest altitude
	° mps.	° mps.	° mps.	° mps.		° mps.		° mps.
24d	281—3·0	188—3·6	284—0·4	291—1·4	4,200 metres	135—1·4	9,500 metres	130—9·8
28	247—0·5	187—2·3	206—2·5	237—2·8	4,670	135—2·6	5,000	137—2·6
31	292—2·5	282—1·4	266—3·3	268—2·4	3,300	86—2·8	7,200	56—5·8

Regular observations will not be commenced until May 1st.

† Record defective. * South (0); West (8); North (16); East (24).

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1925.

Month and Day 1925.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
MCH.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1008·9	+ 4·1	29·3	20·2	9·1	24·9	— 0·7	3·6	18·8	— 3·1	69	— 11	21·5	19·0	0·0	...	8·0	3·2
2	1009·0	+ 4·1	29·9	19·1	10·8	24·9	— 0·7	3·3	19·3	— 2·6	71	— 9	22·2	15·0	0·3	15	8·3	4·3
3	1009·3	+ 4·4	29·0	23·4	5·6	25·5	0·0	3·2	20·1	— 1·8	72	— 8	23·3	20·1	0·0	...	6·4	6·9
4	1008·7	+ 3·7	29·0	22·0	7·0	25·0	— 0·5	2·7	20·4	— 1·5	75	— 5	23·7	18·8	11·5	135	7·5	5·8
5	1008·6	+ 3·6	29·7	22·0	7·7	25·3	— 0·2	2·9	20·4	— 1·5	74	— 6	23·7	18·6	0·0	...	7·0	3·9
6	1008·7	+ 3·6	28·7	22·6	6·1	24·5	— 1·0	2·0	21·1	— 0·8	82	+ 2	24·8	20·1	5·3	90	6·3	6·1
7	1009·2	+ 4·1	29·2	22·6	6·6	25·2	— 0·3	3·1	19·9	— 2·0	73	— 7	23·0	20·6	9·3	53	9·3	5·0
8	1010·6	+ 5·4	28·3	22·0	6·3	25·1	— 0·3	3·4	19·3	— 2·6	71	— 9	22·2	20·4	0·6	20	6·6	5·0
9	1010·5	+ 5·3	28·4	23·0	5·4	25·4	0·0	3·3	19·8	— 2·0	71	— 9	22·9	18·8	0·5	10	7·5	5·2
10	1009·5	+ 4·2	29·3	21·6	7·7	25·1	— 0·3	3·4	19·3	— 2·5	71	— 10	22·2	18·7	0·0	...	7·3	6·0
11	1007·1	+ 1·8	30·2	20·9	9·3	25·1	— 0·3	3·4	19·3	— 2·5	71	— 10	22·2	16·2	0·2	10	7·4	3·4
12	1006·0	+ 0·6	31·0	18·7	12·3	24·1	— 1·3	2·6	19·6	— 2·2	76	— 5	22·6	14·0	5·0	15	6·5	5·3
13	1005·7	+ 0·3	29·4	19·9	9·5	24·5	— 0·8	3·2	19·0	— 2·8	72	— 9	21·8	15·5	0·0	...	6·2	7·2
14	1006·0	+ 0·5	28·4	21·9	6·5	23·9	— 1·4	1·7	21·0	— 0·7	84	+ 3	24·6	18·8	2·0	50	4·0	7·2
15	1006·4	+ 0·9	29·0	22·9	6·1	24·3	— 1·0	1·2	22·2	+ 0·5	88	+ 7	26·5	21·6	53·1	125	...	8·6
16	1006·9	+ 1·3	28·9	22·8	6·1	25·4	+ 0·1	1·7	22·5	+ 0·8	84	+ 3	27·0	21·7	0·2	10	3·9	9·4
17	1006·6	+ 1·0	29·4	22·9	6·5	25·8	+ 0·5	2·3	21·9	+ 0·3	79	— 2	26·0	21·1	1·3	40	5·7	7·9
18	1006·3	+ 0·6	29·9	22·7	7·2	25·2	0·0	2·2	21·5	— 0·1	80	— 1	25·4	20·0	0·0	...	4·0	6·0
19	1005·6	— 0·2	28·8	21·9	6·9	25·0	— 0·2	2·0	21·6	0·0	81	0	25·5	18·9	0·3	10	3·3	5·8
20	1003·8	— 2·0	28·6	21·9	6·7	24·7	— 0·5	1·9	21·5	0·0	82	+ 2	25·4	18·7	6·7	30	4·4	8·9
21	1004·4	— 1·5	29·2	22·1	7·1	25·0	— 0·2	1·7	22·1	+ 0·6	84	+ 4	26·3	18·9	1·0	5	3·6	8·5
22	1007·5	+ 1·6	27·8	22·9	4·9	24·7	— 0·4	1·4	22·3	+ 0·9	87	+ 7	26·7	19·3	8·3	110	4·1	9·4
23	1007·9	+ 1·9	29·3	22·0	7·3	24·0	— 1·1	1·5	21·4	0·0	86	+ 6	25·2	19·0	8·8	50	4·0	4·5
24	1007·2	+ 1·2	28·0	21·4	6·6	24·1	— 1·0	1·8	21·0	— 0·3	83	+ 3	24·6	18·2	2·7	30	3·2	4·3
25	1005·7	— 0·4	28·6	21·1	7·5	24·9	— 0·1	2·4	20·8	— 0·5	78	— 2	24·3	18·8	0·0	...	5·5	3·2
26	1005·9	— 0·3	30·0	21·8	8·2	25·4	+ 0·4	2·2	21·7	+ 0·4	80	0	25·7	19·2	2·7	25	6·2	5·3
27	1006·6	+ 0·4	30·0	21·0	9·0	25·2	+ 0·2	2·6	20·8	— 0·4	77	— 3	24·3	17·2	0·0	...	6·5	2·0
28	1007·0	+ 0·7	30·2	21·0	9·2	24·9	— 0·1	2·4	20·8	— 0·4	78	— 2	24·3	18·0	0·0	...	4·0	3·7
29	1007·3	+ 1·0	30·5	20·0	10·5	25·2	+ 0·3	2·6	20·8	— 0·3	77	— 3	24·3	17·0	0·0	...	5·0	4·5
30	1007·9	+ 1·5	30·7	20·4	10·3	24·3	— 0·6	2·1	20·7	— 0·4	81	+ 1	24·2	17·5	0·8	20	4·3	4·2
31	1007·8	+ 1·4	28·7	20·3	8·4	24·2	— 0·7	2·1	20·6	— 0·4	80	0	24·0	17·1	2·9	60	4·9	5·6
Mean	1007·4	+ 1·8	29·3	21·6	7·7	24·9	— 0·4	2·4	20·7	— 0·9	78·0	— 2·3	24·2	18·6	Sum 123·5	Sum 913	*5·7	5·7
Aver.	1005·6	...	28·8	22·3	6·5	25·3	...	2·2	21·6	...	80·3	...	25·5	20·0	238·1	2717	4·5	6·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF MARCH 1925.

The weather conditions for the month of March were exceptional in many respects. After the steep gradients of the 28th of February the month opened with practically no gradient across the Indian Ocean between Mauritius and Seychelles. The difference of pressure increased rapidly again on the second and reached 5 mbs. at 9 a.m on the 3rd (about 0·3 mbs. per 100 kilometres).

These high pressures over Mauritius and Rodrigues, which continued during the first eleven days of the month, were accompanied by winter conditions of high wind velocities and low temperatures.

The previous highest pressure occurred in 1888, 1013·9mbs. on the 14th of March as compared with 1012·5mbs. on the 8th of the present month.

A cyclone formed in the Northern part of the Mozambique Channel on the 4th and was reported by the Madagascar Observatory on the 6th

A fall of pressure between the 19th and 20th was followed, apparently, by a shallow depression over Madagascar, but it does not appear to have travelled off the land.

The whole season has been characterised by weak cyclonic activity, with the Southern anticyclonic belt much farther North than usual. Such cyclones as have occurred have been short-lived and have travelled comparatively short distances. The greatest activity has occurred in the vicinity of Madagascar.

The shortage of rain has been severe taking into consideration the epoch of year and the generality of the defect all over the Island. For the months of February & March it has amounted to 304mm. or a loss of 67% on normal at the Observatory The lowest rainfall in these two months was 102 mm in 1897 as compared with 147 mm in 1925.

Pressure was 1·8mbs. above normal in the mean and was below normal on only 5 days. Temperature was 0·4C below in the mean and above normal on only 5 days. Rainfall for the month was 48% below normal at the Observatory. Cloudiness 10% below and Sunshine 9% above normal. Wind Direction was 9° more Southerly than normal.

The percentage variations from the normal for the different districts of the Island were as follows :—

Northern Districts	River System 1,	28 % below	Western Districts	River System 11	21% below
Eastern Districts	,, ,, 2, 3, 4,	23 % ,,		,, ,, 12	50% ,,
South-Eastern Districts	,, ,, 5 & 6	13 % ,,		,, ,, 13	51% ,,

* Mean of 30 days.

April 6, 1925.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1925

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
MAR.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	11·8	94	− 1·7	+ 3·3	63	3·7	3·7	+ 0·3	25·4	26·8	28·0	27·6	...	27·3	27·2	b. : c.f. : c.qf. : c.f. .
2	11·1	90	− 2·5	+ 3·7	56	4·4	4·6	+ 1·2	25·4	26·7	27·9	27·7	...	27·2	27·0	b. : c.f. : c. .
3	7·0	56	− 1·9	+ 4·0	65	4·4	4·6	+ 1·2	25·4	26·7	27·9	27·8	...	27·4	27·2	c.f : cfq. : o. .
4	10·1	82	− 0·3	+ 2·8	84	2·8	3·0	− 0·4	25·4	26·8	27·9	27·9	...	27·4	27·3	o.p. : cf. .
5	11·0	89	− 0·7	+ 2·9	76	3·0	3·2	− 0·2	25·4	26·8	27·9	28·0	...	27·6	27·6	b. : c.f. .
6	8·1	65	− 1·4	+ 3·2	66	3·5	3·7	+ 0·3	25·4	26·7	27·9	28·0	...	27·7	27·5	b. : c.f. : o.p. : c.f. .
7	11·0	89	− 1·5	+ 4·1	70	4·3	4·5	+ 1·1	25·4	26·8	28·0	27·9	...	27·5	27·2	c.f. : c.r.q : c.f :
8	10·3	84	− 1·3	+ 5·4	76	5·6	5·6	+ 2·2	25·4	26·8	27·9	27·9	...	27·0	26·7	c.f. : c.fq. : cf. .
9	9·9	81	− 0·8	+ 4·8	80	4·8	5·0	+ 1·6	25·4	26·8	27·8	27·7	...	27·0	26·8	c.f. .
10	9·6	78	− 0·5	+ 2·9	80	3·0	3·1	− 0·3	25·4	26·7	27·8	27·5	...	27·2	27·2	b. : c.f. .
11	10·6	86	0·0	+ 1·8	90	1·8	2·1	− 1·3	25·4	26·7	27·7	28·0	...	28·1	27·8	c.f. .
12	7·7	63	− 0·5	+ 0·7	50	0·8	2·0	− 1·4	25·4	26·7	27·7	28·1	...	27·7	27·5	b. : c.f. : c. .
13	8·0	66	− 1·4	+ 1·7	50	2·2	2·3	− 1·1	25·6	26·7	27·8	27·9	...	27·6	27·3	c. .
14	4·6	38	− 1·8	+ 2·7	56	3·2	3·3	− 0·1	25·5	26·8	27·7	27·8	...	27·4	27·2	c.f. c : cf.
15	3·8	31	− 0·7	+ 2·4	74	2·5	2·8	− 0·6	25·4	26·6	27·7	27·5	...	26·9	26·3	c.f. : c.p : o.g.t. .
16	5·2	43	+ 1·5	+ 2·3	123	2·7	3·1	− 0·2	25·5	26·6	27·7	27·6	...	26·9	26·8	o. : o.l. .
17	7·6	62	+ 0·2	+ 1·6	97	1·6	1·7	− 1·6	25·5	26·7	27·6	27·8	...	27·4	27·8	o. c.l. .
18	6·0	50	0·0	+ 1·8	90	1·8	1·9	− 1·4	25·6	26·7	27·7	28·0	...	27·7	27·9	c.f. .
19	4·3	36	+ 0·2	+ 1·7	97	1·7	1·8	− 1·5	25·5	26·7	27·7	28·0	...	27·4	27·2	c.f. .
20	3·7	31	+ 0·6	+ 1·6	111	1·7	1·8	− 1·5	25·5	26·7	27·7	27·8	...	27·2	27·2	o. .
21	4·8	40	+ 0·3	+ 2·0	98	2·0	2·2	− 1·1	25·5	26·7	27·7	27·7	...	27·1	26·9	c.f. o. .
22	1·8	15	− 0·4	+ 2·1	79	2·2	2·3	− 1·0	25·6	26·7	27·7	27·7	...	27·1	26·9	: o. .
23	4·7	39	− 0·8	+ 1·0	51	1·3	1·7	− 1·6	25·4	26·8	27·6	27·6	...	26·8	26·5	b : c.f. c.p : c.f. .
24	5·7	47	− 1·0	+ 1·7	59	2·0	2·0	− 1·3	25·6	26·6	27·6	27·4	...	26·4	26·1	b : c.f.p. .
25	11·2	93	+ 0·2	+ 2·2	95	2·2	2·2	− 1·1	25·6	26·6	27·5	27·2	...	26·6	26·8	b : c.f. : b.
26	7·8	65	+ 0·8	+ 1·6	117	1·8	2·1	− 1·2	25·6	26·7	27·4	27·6	...	27·2	27·5	b : p.c.f. : b.
27	11·3	94	+ 0·5	+ 1·6	107	1·7	1·7	− 1·6	25·7	26·6	27·4	27·8	...	27·5	27·7	b : f. : b. .
28	6·9	58	0·0	+ 1·1	90	1·1	1·5	− 1·8	25·7	26·7	27·5	28·1	...	27·6	27·6	b : c.f. : b.
29	10·0	84	+ 0·4	− 0·1	194	0·4	1·7	− 1·6	25·6	26·7	27·5	27·8	...	27·5	27·6	b : c.f. .
30	6·2	52	− 0·5	− 0·1	349	0·5	1·5	− 1·8	25·7	26·5	27·6	28·0	...	27·8	27·5	b. : c : c.f.
31	5·6	47	− 1·0	+ 1·5	56	1·8	2·0	− 1·3	25·6	26·5	27·6	27·9	...	27·3	27·1	b : c.f. : c.p. .
Mean	7·66	62·8	−0·52	+2·26	66·5	2·32	2·73	−0·62	25·52	26·70	27·71	27·78	...	27·31	27·19	...
Average	6·95	56·8	−0·60	+2·38	75·8	2·45	3·35	...	25·33	27·15	...	...	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MARCH 1925.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1012·5mbs	at	21^h	on 8th	1002·4mbs	at 16^h	on 20th
Temperature of the Air	31·0C	at	14^h5^m	on 12th	18·7C	at 5^h50	on 12th
Daily range of temperature of the Air...	12·3C		...	on 12th	4·9C	...	on 22nd
Temperature of the Dew Point	23·5C	at	11^h&12	on 15th	16·9C	at 1^h	on 2nd
Daily range of temperature of the Dew Point	4·1C	...	...	on 29th	1·6C	...	on 18th
Relative humidity...	98·7%	at	4^h	on 12th	48·7%	at 15^h	on 11th
Wind Velocity	8·0 m.p.s.	at	13^h	on 8th & 11^h on 9th	0·6mps	often	
Rainfall	52·6mm.	for 24^h ending		15^d18^h	...	...	...
Temperature of the soil at 3 ins. ...	30·2C		18^h	on 11th	24·7C	at 6^h	on 24th & 9^h on 25th
,, ,, at 6 ins. ...	29·1C		18^h	on 11th	25·6C	at 9^h	on 24–25
Duration of sunshine...	11·8 hrs.		...	on 1st	1·8 hrs.	...	on 22nd
Amount of Evaporation in 24 hours	9·3mm.		...	on 7th	3·2 m.m.	...	on 24th
Vapour Tension	28·7mbs	at	11^h&12^h	on 15th	19·0mbs	at 1^h	on 2nd
Minimum on Grass	...		...	...	14·0C	...	on 12th

Number of Days Overcast, 8, Clear 1, of Rain 21, of Lightning 2, of Thunderstorm 1

Mean Day Temperature of Air 26·75 Average 26·86C, Mean Night Temperature of Air 22·87 Average 23·57C

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

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 1925.

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

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day \ Hour
Midnight	0096	0098	0094	0096	0093	0093	0095	0104	0117	0109	0092	0072	0065	0058	0068	0073	Midnight
1h	0094	0095	0094	0091	0087	0087	0091	0102	0111	0105	0087	0068	0064	0055	0064	0067	1h
2	0088	0087	0086	0087	0083	0083	0086	0097	0105	0100	0082	0061	0059	0052	0057	0061	2
3	0085	0085	0083	0087	0080	0077	0082	0095	0104	0097	0075	0054	0054	0047	0053	0062	3
4	0085	0085	0082	0086	0078	0076	0078	0094	0103	0095	0071	0051	0053	0046	0052	0063	4
5	0085	0085	0084	0085	0080	0079	0079	0094	0104	0096	0072	0049	0052	0048	0054	0067	5
6	0087	0092	0090	0085	0085	0084	0084	0096	0107	0096	0073	0049	0053	0054	0061	0071	6
7	0091	0094	0093	0094	0087	0088	0086	0102	0107	0104	0075	0054	0058	0061	0065	0068	7
8	0095	0097	0097	0095	0093	0094	0094	0106	0109	0107	0078	0062	0064	0069	0068	0075	8
9	0095	0098	0103	0098	0095	0096	0096	0109	0114	0112	0081	0067	0066	0073	0077	0076	9
10	0095	0098	0103	0096	0095	0097	0097	0114	0113	0112	0080	0067	0065	0072	0074	0076	10
11	0090	0096	0102	0089	0092	0095	0099	0112	0110	0106	0076	0065	0061	0071	0071	0076	11
Noon	0087	0093	0095	0084	0087	0093	0095	0106	0102	0101	0068	0062	0055	0064	0064	0072	Noon
13h	0081	0086	0087	0078	0084	0087	0089	0104	0098	0094	0066	0055	0047	0057	0055	0067	13h
14	0078	0081	0087	0074	0075	0083	0086	0098	0096	0085	0063	0052	0044	0054	0052	0057	14
15	0077	0077	0086	0069	0074	0076	0085	0097	0095	0083	0056	0050	0043	0051	0048	0055	15
16	0076	0077	0086	0071	0074	0077	0085	0097	0091	0083	0053	0049	0043	0051	0051	0056	16
17	0077	0078	0087	0075	0075	0078	0086	0102	0093	0079	0054	0055	0047	0053	0057	0060	17
18	0083	0083	0088	0079	0080	0084	0091	0105	0097	0082	0059	0057	0054	0056	0063	0063	18
19	0089	0089	0095	0086	0087	0087	0100	0115	0103	0085	0063	0065	0059	0060	0070	0067	19
20	0097	0095	0097	0093	0093	0094	0104	0123	0109	0087	0068	0067	0063	0064	0072	0075	20
21	0103	0097	0102	0094	0095	0095	0107	0125	0114	0090	0073	0069	0065	0071	0075	0082	21
22	0104	0098	0104	0095	0097	0096	0108	0124	0114	0095	0076	0067	0066	0073	0081	0086	22
23	0104	0096	0100	0094	0096	0096	0105	0124	0113	0094	0075	0066	0064	0070	0085	0086	23

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day \ Hour
Midnight	0081	0063	0066	0049	0039	0070	0084	0084	0070	0062	0070	0070	0073	0081	0084	1008·0	Midnight
1h	0075	0062	0062	0042	0032	0067	0082	0080	0064	0059	0069	0070	0072	0080	0083	1007·6	1h
2	0068	0060	0055	0034	0027	0065	0074	0071	0059	0051	0064	0064	0069	0078	0078	1007·1	2
3	0062	0057	0054	0031	0023	0063	0071	0068	0051	0048	0062	0063	0064	0075	0073	1006·7	3
4	0062	0056	0053	0030	0021	0061	0070	0063	0048	0047	0059	0061	0063	0073	0071	1006·6	4
5	0065	0060	0053	0031	0030	0066	0071	0065	0051	0050	0060	0063	0069	0075	0072	1006·8	5
6	0066	0062	0056	0034	0034	0070	0072	0070	0051	0052	0064	0068	0073	0080	0074	1007·1	6
7	0072	0070	0061	0040	0040	0071	0077	0072	0055	0060	0069	0075	0075	0082	0078	1007·5	7
8	0078	0072	0068	0047	0048	0076	0081	0078	0062	0064	0074	0081	0081	0091	0084	1008·0	8
9	0082	0075	0069	0047	0050	0084	0087	0081	0066	0070	0077	0084	0083	0093	0085	1008·4	9
10	0079	0075	0070	0044	0049	0083	0087	0083	0065	0071	0076	0084	0083	0093	0084	1008·3	10
11	0075	0072	0066	0044	0048	0081	0084	0080	0063	0067	0074	0080	0080	0086	0082	1008·0	11
Noon	0071	0065	0058	0040	0045	0074	0080	0074	0063	0063	0069	0073	0073	0082	0075	1007·5	Noon
13h	0064	0060	0049	0036	0042	0072	0072	0072	0054	0054	0062	0065	0066	0074	0069	1006·9	13h
14	0059	0053	0044	0032	0035	0063	0071	0062	0051	0053	0058	0062	0063	0071	0064	1006·5	14
15	0051	0051	0044	0028	0034	0063	0073	0060	0043	0050	0054	0061	0060	0070	0064	1006·2	15
16	0049	0051	0043	0024	0040	0069	0070	0060	0045	0047	0054	0060	0061	0070	0064	1006·2	16
17	0050	0054	0047	0030	0042	0078	0071	0062	0050	0050	0057	0061	0064	0069	0072	1006·5	17
18	0051	0055	0050	0034	0047	0074	0073	0065	0051	0053	0061	0062	0069	0070	0074	1006·8	18
19	0062	0063	0054	0039	0055	0085	0079	0072	0056	0060	0065	0065	0075	0075	0080	1007·4	19
20	0065	0066	0056	0044	0063	0084	0086	0077	0062	0064	0069	0072	0081	0080	0086	1007·9	20
21	0066	0070	0061	0046	0067	0089	0093	0080	0063	0070	0072	0075	0085	0085	0091	1008·3	21
22	0069	0071	0060	0046	0069	0092	0093	0080	0066	0072	0072	0075	0086	0086	0093	1008·4	22
23	0065	0069	0052	0043	0069	0092	0091	0074	0062	0071	0071	0073	0082	0085	0092	1008·3	23

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

Hour. \ Day.	MARCH 1925.																															
	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	5	9	3	3	5	7	5	2	4	1	6	5	8	10	10	1	2	9	8	10	2	0	3	1	1	0	0	1	1	4·0
1h	1	0	4	10	2	2	5	8	4	3	4	1	5	4	9	10	10	3	2	9	8	9	1	0	2	1	0	0	0	0	0	3·8
2	1	1	3	10	3	2	4	5	4	2	3	1	7	5	10	10	10	5	2	9	6	10	1	1	1	1	0	1	0	0	0	3·8
3	1	1	2	10	3	1	2	3	4	2	2	1	9	6	6	10	10	7	2	9	5	10	1	1	1	1	0	1	0	0	0	3·6
4	1	1	2	10	2	3	1	4	5	3	2	1	8	6	5	10	10	7	2	9	6	10	1	1	1	1	0	1	1	0	0	3·7
5	2	2	3	9	2	7	1	6	5	5	2	1	8	7	4	10	9	7	2	9	6	10	2	2	2	7	1	1	2	0	1	4·4
6	2	2	4	7	3	5	2	4	3	9	2	1	8	7	7	10	9	8	3	8	6	10	4	3	2	9	1	3	5	1	3	4·9
7	3	2	6	7	4	6	4	6	3	8	3	2	7	7	7	9	9	10	3	8	8	10	6	2	2	9	2	2	5	1	3	5·3
8	3	3	6	7	4	7	4	6	4	5	5	2	8	7	7	10	9	9	5	9	9	9	7	1	2	7	2	2	5	1	4	5·5
9	4	3	7	7	4	7	4	6	6	5	5	4	8	7	8	10	8	7	5	10	9	9	7	2	6	7	2	4	5	2	5	5·9
10	5	4	6	8	4	7	3	6	5	5	5	5	10	8	9	10	8	6	7	10	10	9	6	5	6	8	2	6	6	4	5	6·4
11	5	4	7	6	6	7	3	7	6	6	5	6	10	9	10	10	9	7	7	10	10	10	6	7	6	6	4	6	5	4	5	6·7
Noon	6	5	7	6	6	9	3	5	8	6	4	6	8	8	9	10	9	6	6	9	10	10	7	7	7	5	4	6	6	4	7	6·7
13h	8	6	7	4	6	8	5	7	7	5	4	7	5	8	9	9	8	6	6	9	10	10	8	7	6	8	3	7	6	7	9	6·9
14	7	6	9	4	6	10	5	4	8	5	3	7	8	10	9	10	7	7	7	10	10	9	9	7	6	6	3	7	7	8	9	7·2
15	6	5	9	5	6	10	6	5	8	6	4	7	7	10	9	8	9	7	7	10	6	9	10	7	5	9	3	7	7	9	9	7·3
16	6	5	9	4	5	7	7	5	7	8	4	8	8	10	10	8	9	7	7	10	9	10	10	9	5	7	5	7	7	8	9	7·4
17	5	6	10	4	4	8	8	4	7	9	5	10	8	8	10	9	8	8	8	10	10	10	6	8	4	7	4	7	8	8	9	7·4
18	4	6	9	4	4	4	9	3	8	9	5	9	9	7	10	9	8	8	9	9	10	10	4	7	4	8	3	8	8	8	9	7·2
19	2	9	9	3	3	6	9	2	5	9	4	9	8	6	10	9	8	6	9	8	9	10	3	7	3	6	2	6	9	8	9	6·6
20	2	7	10	2	3	7	8	6	5	8	3	9	6	5	10	8	7	5	8	7	10	10	2	5	2	4	2	4	8	8	9	6·1
21	1	9	10	2	4	8	5	3	4	9	2	9	4	4	10	8	5	3	8	8	10	10	2	6	1	4	1	2	4	8	9	5·6
22	0	8	10	2	4	6	7	4	3	7	2	9	4	7	10	9	3	2	9	8	10	10	2	4	1	2	1	1	2	7	10	5·3
23	0	6	9	2	3	5	8	5	2	6	1	8	4	10	10	10	2	2	9	8	9	5	1	3	1	2	1	0	1	4	10	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.	MARCH 1925.																															
	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	58	50	20	21	40	40	32	13	35	42	42	40	30	0	5	0	7	0	32	8	3	0	0	45	28	0	37	38	44	40	30	13·0
8	60	60	46	50	60	30	60	50	60	60	58	60	60	40	40	8	45	40	25	4	35	0	10	60	60	30	60	60	60	60	60	23·5
9	60	60	50	48	55	46	60	47	60	60	60	60	60	24	0	2	35	40	14	0	55	13	29	60	60	30	60	60	60	60	60	23·1
10	60	60	44	33	60	55	60	50	60	60	60	60	59	0	8	30	60	60	32	48	52	9	50	60	58	54	60	60	55	60	60	25·6
11	60	60	58	60	60	60	60	60	60	60	60	55	60	14	36	32	40	60	45	54	27	15	58	50	55	49	60	50	55	60	58	26·5
Noon	60	60	60	55	60	55	60	55	58	60	60	25	60	1	40	15	0	58	55	40	30	39	40	32	53	50	58	50	55	60	35	24·0
13h	50	60	40	60	55	0	60	60	50	60	60	60	60	38	36	55	6	58	38	31	40	0	21	0	60	58	60	40	14	33	18	21·3
14	60	50	45	60	60	34	60	60	55	60	60	43	52	0	50	30	60	46	0	12	40	29	0	2	60	55	60	26	55	0	15	20·7
15	60	54	22	60	60	60	60	60	55	60	60	28	30	18	15	54	60	0	18	8	2	4	0	30	60	55	60	0	58	0	0	18·5
16	60	60	6	60	60	55	52	60	57	57	60	10	0	60	0	31	50	0	0	15	1	0	0	0	60	58	60	1	58	0	1	16·5
17	60	48	28	50	60	38	60	60	45	0	42	0	4	58	0	52	60	0	0	0	3	0	45	0	60	25	60	18	58	0	0	15·6
18	58	46	0	48	30	16	37	44	1	0	17	18	5	22	0	0	34	0	0	0	0	0	29	0	55	2	42	10	30	0	0	9·1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 237·4 hours and the total possible sunshine 377·3 hours.

* Reckoned from apparent midnight.

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 1925.

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.	
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Midnight	23·1	1·5	20·2	1·3	23·9	1·6	24·4	2·1	22·3	1·3	23.6	1·6	23·0	1·7	23·7	1·7	Midnight
1h	23·1	1·5	19·1	1·2	23·9	1·9	24·2	1·8	22·4	1·3	23·6	1·6	22·9	1·7	23·7	1·8	1
2	22·9	1·6	21·9	2·0	23 9	2·0	23·4	1·4	22·7	1·1	23·5	1·4	23·0	1·7	22·4	1·0	2
3	22·4	1·4	21·1	1·2	23·9	2·0	23·0	1·2	22·6	1·3	23·1	1·1	23·0	1·7	22·9	1·8	3
4	21·9	1·0	21·0	1·1	23·4	1·8	22·2	0·6	22·9	1·1	23·1	1·2	23·0	1·3	23·0	2·0	4
5	21·9	1·1	21·4	1·5	23·5	1·9	22·8	0·8	22·5	1·0	23·0	1·1	22·9	1·3	23·3	1·9	5
6	21·2	1·0	21·6	1·6	23·9	2·0	22·7	0·8	22·1	0·9	22·8	1·0	22·8	1·6	23·4	2·2	6
7	23·9	2·6	23·2	2·3	24·2	2·3	22·9	1·0	23·3	1·3	23·4	1·0	23·3	1·8	23·8	2·2	7
8	26·1	4·1	26·1	4·3	25·9	3·1	24·4	1·5	26·2	2·9	24·9	1·3	25·9	3·3	25·8	3·6	8
9	27·1	5·0	27·2	5·4	26·9	3·7	25·9	2·6	27·1	3·9	24·4	2·3	26·9	4·5	26·2	3·4	9
10	27·9	6·0	28·4	6·5	27·1	4·2	26·9	2·7	27·8	4·6	26·9	3·1	28·0	5·1	26·7	3·9	10
11	28·4	5·8	29·1	6·6	28·4	5·4	27·7	3·6	28·7	5·4	28·0	4·3	28·0	5·4	26·9	4·3	11
Noon	28·7	6·4	28·9	6·7	28·6	5·7	27·9	4·6	29·2	6·1	28·0	4·8	28·9	6·3	26·9	4·7	Noon
13h	28·1	5·9	29·4	6·5	27·9	5·0	28·9	6·0	28·9	5·9	23·9	1·3	28·4	5·7	27·9	5·0	13h
14	28·9	6·5	27·9	5·0	27·9	4·9	28·6	5·9	28·9	5·7	24·9	1·8	28·5	6·5	27·9	5·7	14
15	28·4	6·4	28·2	5·3	27·0	4·3	28·4	5·5	28·6	5·6	26·9	3·4	28·3	6·4	27·6	6·2	15
16	27·9	5·9	27·9	5·0	26·9	4·5	27·9	5·0	27·0	3·5	27·0	4·0	28·0	5·3	27·0	5·9	16
17	27·1	5·2	26·9	4·1	26·9	4·5	27·4	4·5	26·9	4·0	25·9	3·0	27·0	4·3	26·9	5·7	17
18	26·0	4 8	26·0	3·2	25·9	3·9	26·1	3·8	25·9	3·3	24·4	1·7	25·9	3·0	25·7	4·4	18
19	24·3	3·4	24·4	2·4	24·9	3·1	24·9	2·9	24·7	2·6	24·0	1·5	23·8	1·5	24·8	3·7	19
20	23·4	2·8	24·0	2·1	24·3	2·5	23·3	1·7	24·1	2·0	23·4	1·6	22·9	1·3	24·4	3·5	20
21	22·9	3·0	23·8	1·8	24·1	2·5	22·8	1·8	24·1	1·4	23·5	1·7	22·9	1·2	24·2	3·1	21
22	22·1	2·7	23·9	1·3	24·2	2·3	22·2	1·3	23·9	1·9	23·2	1·4	23·1	0·9	23·3	1·5	22
23	20·9	2·0	23·9	1·6	24·4	2·3	22·3	1·4	23·9	1·6	23·1	1·8	23·3	1·3	23·4	1·5	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.	
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Midnight	23·8	1·9	23·8	2·6	22·6	1·5	21·3	1·3	21·6	1·5	22·6	1·0	23·4	0·9	23·8	0·8	Midnight
1h	23·8	1·9	23·4	2·5	22·5	1 5	20·7	1·3	21·6	1·7	21·9	1·0	23·1	0·9	...	...	1h
2	23·5	1·6	22·9	2·1	22·1	1 1	19·9	1·0	21·5	1·6	22·6	1·4	23·2	0·7	...	...	2
3	23 6	1·7	21·9	1·5	21·8	1·0	19·5	0·6	21·0	1 4	22·6	1·4	23·1	0·6	23·8	0·8	3
4	23·8	1·8	21·9	1·0	21·3	0·9	19·4	0·1	20·3	1·1	22·0	1·1	23·2	0·6	...	...	4
5	23·8	2·4	22·3	1·5	21·4	1·1	18·9	0·3	20·9	1·1	22·0	1·0	23·2	0·6	...	...	5
6	23·1	1·6	21·6	1·2	21·0	0·8	18·9	0·7	19·9	1·0	22·3	1·1	23·2	0·5	23·9	1·0	6
7	23·9	2·0	23·2	2·0	21·9	1·0	20·4	0·6	22·6	1·4	22·7	1·0	23·0	0·7	...	...	7
8	26·0	3·8	25·9	3·4	25·9	3·0	25·2	2·3	25·8	3·6	24·3	1·7	25·2	1·6	...	...	8
9	26·9	4·6	26·9	4·3	27·0	4·1	27·1	4·0	27·1	4·5	25·3	2·7	23·7	0·9	25·4	1·4	9
10	27·9	5·2	27·9	5·2	28·0	5·1	28·0	5·1	27·6	5·6	25·0	3·0	23·8	0·9	...	...	10
11	27·9	5·2	28·6	5·8	28·1	5·4	29·1	5·4	28·0	5·4	25·9	3·0	24·4	0·5	...	...	11
Noon	27·7	4·8	28·9	6·1	29·7	7·1	28·9	5·0	28·8	6·4	26·3	3·3	26·9	2·0	27·2	2·6	Noon
13h	26·9	3·8	28·9	6·3	29·3	6·5	30·8	6·7	29·0	7·0	26·0	2·7	27·9	3·0	...	...	13h
14	28·0	4·7	28·7	6·8	29·6	6·7	30·9	7·1	28·5	6·1	24·5	1·4	28·9	3·9	...	...	14
15	27·9	5·0	28·6	6·0	29·7	7·3	29·9	6·3	28·7	6·3	24·8	1·0	27·4	3·1	29·0	3·5	15
16	27·3	4·4	27·8	5·9	28 9	7·1	28·6	4·7	27·3	5·2	25·3	2·3	25·6	2·0	...	...	16
17	27·0	4·5	26·7	4·9	27·9	5·9	23·4	1·4	27·0	4·8	25·4	2·5	23·6	0·6	...	...	17
18	25·9	4·0	25·6	3·8	26·3	3·7	23·1	1·2	25·9	4·3	24·4	1·6	23·4	0·7	27·0	2·5	18
19	24·9	3·1	24·2	2·6	25·3	3·0	23·1	1·3	24·0	1·8	23·6	1·4	23·2	0·8	...	...	19
20	24·2	2·6	23·3	2·3	24·0	2·1	22·9	1·3	23·0	1·1	23·5	1·3	23·2	0·9	...	...	20
21	24·1	2·5	22·9	1·9	23·1	1·6	22·8	1·5	22·9	1·0	23·6	1·4	23·4	0·8	24·1	1·0	21
22	23·9	2·4	23·3	1·7	22·7	1·7	22·9	1·4	22·6	1·0	23·4	0·8	23·6	0·7	...	...	22
23	23·9	2·6	23·4	1·6	21·9	1·3	23·1	2·2	22·6	1·1	23·1	0·7	23·4	0·7	...	...	23

TABLE XI. (*Contd.*)—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 1925

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

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

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

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

MARCH 1925.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	875	917	896	904	886	935	880	920	893	916	888	918	883	925	883	941	Midnight
1h	877	923	890	910	878	933	880	930	893	916	887	919	886	921	879	951	1h
2	880	920	873	918	883	926	878	932	893	917	883	917	876	924	888	930	2
3	880	920	885	906	878	932	878	933	894	913	876	924	882	918	883	941	3
4	883	917	876	910	883	925	885	923	892	919	887	919	878	932	894	931	4
5	883	926	874	911	883	926	896	918	893	909	878	922	874	926	890	950	5
6	888	919	884	916	878	933	887	920	893	910	882	918	882	927	890	948	6
7	885	923	882	918	877	934	900	925	887	919	894	914	879	931	881	947	7
8	876	936	877	935	872	941	888	930	882	927	887	919	882	943	889	953	8
9	882	945	864	955	869	946	893	936	892	941	886	934	881	947	887	966	9
10	882	945	861	939	875	961	908	938	890	950	883	941	877	956	900	964	10
11	888	957	857	943	885	976	909	945	900	945	888	959	878	954	870	973	11
Noon	880	948	852	948	875	959	907	932	890	951	889	956	889	953	900	977	Noon
13h	888	961	875	961	886	970	908	937	907	935	876	936	900	954	884	978	13h
14	875	959	873	965	886	973	908	937	910	950	917	941	888	959	885	974	14
15	878	954	856	966	888	961	908	937	900	950	900	952	888	960	885	976	15
16	876	957	868	948	888	957	907	932	909	943	888	959	888	959	900	967	16
17	881	947	861	958	888	960	900	930	890	950	883	941	879	950	886	967	17
18	883	941	877	955	876	936	906	928	891	944	889	928	878	954	876	958	18
19	886	921	879	951	885	924	900	921	895	923	881	928	884	939	891	944	19
20	889	916	883	942	882	918	900	912	891	921	879	932	885	938	890	949	20
21	888	919	881	947	880	920	900	919	887	920	877	934	907	933	882	944	21
22	890	910	887	933	880	920	900	919	882	918	887	934	900	936	887	934	22
23	894	906	883	943	880	913	900	918	881	919	879	931	885	937	878	933	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	886	936	893	932	887	913	900	913	887	906	891	909	887	919	900	944	Midnight
1h	887	932	886	934	889	911	895	912	873	911	891	909	885	923	893	932	1h
2	883	941	890	925	889	911	894	914	872	911	882	918	888	919	895	923	2
3	888	930	890	915	887	913	892	919	879	909	868	921	884	916	889	926	3
4	885	937	886	921	885	915	895	912	888	905	889	911	886	922	900	928	4
5	893	932	890	923	891	909	893	917	884	907	892	908	890	915	900	931	5
6	894	930	893	916	889	911	895	911	887	906	888	912	889	917	900	929	6
7	891	946	890	925	888	912	895	912	885	906	894	906	891	912	900	923	7
8	900	954	900	935	892	919	895	912	888	905	894	928	890	915	918	927	8
9	886	968	900	949	905	923	892	919	880	920	880	930	903	917	923	935	9
10	887	965	909	946	905	926	893	916	882	927	869	931	881	913	935	935	10
11	884	978	909	943	906	928	916	907	878	932	885	937	906	915	939	939	11
Noon	886	967	916	940	915	924	890	877	878	932	871	944	903	916	934	934	Noon
13h	900	957	908	941	905	926	920	870	876	936	870	946	919	928	939	926	13h
14	885	977	908	940	913	933	923	895	886	934	869	931	921	914	939	926	14
15	888	960	906	931	915	937	924	890	889	927	875	937	900	926	944	918	15
16	900	951	900	933	911	926	905	876	892	910	875	937	900	939	938	915	16
17	900	970	891	943	908	919	864	924	893	909	872	941	889	928	931	912	17
18	900	965	878	932	904	919	864	924	887	920	876	936	879	932	914	914	18
19	900	942	888	918	900	911	891	907	905	924	886	922	877	935	906	906	19
20	891	945	892	910	900	911	890	907	900	924	884	939	877	935	906	906	20
21	896	918	888	918	900	916	890	908	893	915	883	941	886	934	908	908	21
22	894	929	889	916	900	911	892	906	894	913	893	935	892	940	908	908	22
23	893	935	888	912	900	912	882	912	893	916	891	922	909	945	896	918	23

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

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

MARCH 1925.

Day. / Hour.	17d.		18d.		19d.		20d.		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	893	916	900	907	892	919	902	910	908	911	888	918	885	910	890	910	Midnight
1h	893	916	900	916	892	919	904	918	904	919	889	916	886	910	892	908	1h
2	894	915	900	917	892	919	903	915	903	914	898	908	888	912	887	913	2
3	896	909	900	913	892	918	904	918	904	918	905	912	892	908	893	907	3
4	896	910	900	912	896	910	900	916	904	921	906	915	892	908	891	909	4
5	896	910	900	912	895	911	900	918	903	917	902	908	890	910	887	913	5
6	894	914	898	910	893	915	900	914	904	918	902	911	887	913	890	910	6
7	896	909	900	918	895	912	900	920	904	918	895	912	890	915	892	908	7
8	894	915	896	918	900	914	900	913	903	914	895	912	888	918	878	922	8
9	904	918	895	923	900	919	912	918	907	933	888	930	891	921	881	928	9
10	912	919	907	932	920	920	910	925	907	932	880	930	900	919	882	927	10
11	907	917	906	927	918	927	914	933	912	931	884	924	907	916	879	931	11
Noon	908	920	911	929	911	929	918	927	911	929	900	927	912	919	878	932	Noon
13h	906	927	912	930	906	927	911	929	926	926	900	932	923	900	883	925	13h
14	907	916	905	926	911	926	904	920	922	932	913	932	864	900	872	928	14
15	911	929	900	923	905	925	900	914	912	930	912	930	875	900	885	924	15
16	905	922	900	918	903	917	908	918	906	929	900	933	890	892	904	921	16
17	913	920	900	916	907	916	909	913	895	911	873	927	891	909	900	915	17
18	907	915	900	911	903	908	904	907	893	916	891	943	892	908	900	906	18
19	905	911	900	910	904	910	907	909	892	910	896	918	895	905	900	910	19
20	903	913	900	915	904	910	905	907	891	912	900	918	888	912	900	914	20
21	906	914	896	919	905	911	905	907	896	906	900	927	893	907	900	912	21
22	904	919	894	913	904	910	908	910	892	910	900	915	890	910	900	914	22
23	900	919	893	917	904	910	908	910	889	917	890	908	887	913	900	913	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	900	910	902	909	903	914	902	911	893	916	905	888	889	905	892	916	Midnight
1h	900	910	904	918	902	910	902	911	893	916	906	887	888	905	891	918	1h
2	900	910	900	914	903	913	903	914	893	916	907	885	889	905	891	917	2
3	900	916	896	918	903	914	894	915	893	916	906	886	888	905	890	916	3
4	900	913	894	913	904	918	895	912	893	916	906	887	890	904	892	916	4
5	900	915	895	912	904	918	894	913	893	916	879	900	887	906	891	916	5
6	900	917	895	911	902	911	896	910	893	916	880	900	890	904	892	916	6
7	900	916	896	910	903	916	896	910	896	909	891	900	894	902	892	917	7
8	889	928	893	915	902	910	896	910	898	906	890	900	890	904	892	922	8
9	888	931	894	913	903	915	900	916	898	906	894	900	900	927	893	930	9
10	908	937	911	929	904	919	904	909	897	907	900	908	900	928	896	932	10
11	908	939	932	922	910	915	900	913	913	887	907	884	900	926	900	933	11
Noon	886	934	928	919	907	916	915	915	915	885	894	873	890	925	899	930	Noon
13h	913	932	936	924	913	920	924	910	920	887	922	891	878	922	904	930	13h
14	908	939	932	921	908	920	935	907	929	889	909	912	878	932	903	933	14
15	906	928	934	914	912	919	885	910	935	900	892	911	894	927	900	931	15
16	911	926	923	910	909	922	885	903	918	882	888	918	896	919	900	927	16
17	908	919	916	916	910	925	904	910	904	879	881	908	882	912	894	927	17
18	905	923	907	916	910	923	901	907	903	887	881	908	885	923	892	925	18
19	904	918	902	910	903	913	903	914	901	894	893	903	890	910	895	918	19
20	903	914	903	916	903	913	895	911	903	892	889	905	903	914	894	918	20
21	902	912	903	914	902	911	895	911	903	894	889	905	891	922	895	918	21
22	904	918	903	913	902	911	894	913	906	887	888	905	882	918	895	917	22
23	903	913	903	915	903	913	894	914	907	884	889	905	883	917	893	917	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during MARCH 1925.

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

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 1925.

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	3	3·0	4	0·6	6	3·8	4	2·9	6	1·8	5	2·1	5	3·0	6	4·4	6	3·9	7	3·3	4	1·8	8	1·3	2	1·4	4	1·3	5	2·3	8	4·4
1h	4	3·3	4	1·4	5	4·0	5	3·6	6	1·8	5	2·3	5	2·5	6	5·5	6	3·4	6	3·7	4	1·5	6	1·3	2	2·9	4	1·3	5	2·7	7	3·3
2	4	2·9	3	3·2	5	3·1	5	3·9	6	1·9	4	2·4	4	3·4	6	3·2	6	4·4	6	2·7	4	1·5	6	1·5	2	3·0	4	2·5	5	2·2	7	2·4
3	4	2·8	2	1·6	5	3·9	5	4·0	6	1·4	4	3·4	4	2·6	6	4·4	6	3·2	5	1·8	4	1·9	6	2·1	2	2·3	3	3·8	4	2·3	6	2·8
4	4	2·4	2	2·6	5	3·0	5	2·7	6	2·1	5	2·3	5	3·9	7	3·2	6	4·0	5	2·5	4	2·1	6	1·3	2	1·3	4	1·5	5	2·6	8	2·8
5	5	3·1	2	2·8	5	3·1	7	1·8	5	1·1	4	3·1	4	3·7	7	5·1	7	3·3	6	2·5	4	1·3	6	1·9	2	1·8	4	1·1	5	1·8	8	3·1
6	5	2·2	4	2·3	5	4·0	5	2·4	5	1·2	4	2·5	5	3·2	7	4·9	7	3·1	6	1·8	4	1·6	6	1·2	2	1·4	4	1·7	5	2·0	8	2·9
7	5	2·7	4	2·6	5	4·1	8	2·5	5	2·3	6	1·5	5	3·7	6	5·1	7	4·7	6	2·7	4	1·7	6	1·3	2	1·6	4	0·8	5	1·5	8	2·3
8	5	4·3	5	4·2	5	5·0	6	3·2	5	3·2	5	2·3	6	4·7	7	5·4	8	5·4	8	3·5	6	2·1	6	1·3	2	1·3	7	2·9	5	1·8	11	3·3
9	6	4·9	5	6·6	5	5·6	7	3·7	7	4·2	6	3·7	6	5·1	7	6·7	7	6·9	8	4·9	9	2·4	6	2·1	4	2·9	5	3·6	9	1·7	11	4·2
10	6	4·9	4	5·5	6	6·6	9	3·9	7	5·1	6	4·4	6	6·1	8	6·4	7	6·6	9	4·7	9	2·7	6	1·8	5	3·2	4	4·4	3	2·3	12	5·0
11	7	5·8	4	6·2	7	7·7	9	4·6	8	4·5	7	6·0	6	5·9	6	7·9	7	8·0	9	4·4	9	2·9	d14	1·8	5	3·9	6	4·0	0	1·6	12	5·5
Noon	6	5·2	4	6·8	6	6·4	9	3·3	7	5·2	7	5·7	7	5·4	8	7·7	7	6·8	10	4·3	11	2·8	d26	2·5	5	3·9	5	5·3	9	1·6	12	4·8
13h	7	6·2	6	6·6	7	7·1	9	3·8	9	3·6	5	4·4	8	5·4	7	8·0	8	5·7	9	4·2	9	2·7	21	3·6	5	4·3	5	5·5	11	3·4	13	4·7
14	6	6·4	6	7·0	7	7·4	9	3·8	9	5·1	10	4·4	7	6·0	7	7·5	7	7·9	9	4·1	10	3·5	17	2·4	6	3·7	4	4·4	13	2·5	13	4·7
15	6	5·9	5	7·9	7	6·2	9	3·8	8	5·0	8	5·2	7	6·1	7	7·7	7	6·1	9	3·2	10	4·0	18	2·6	6	2·9	5	4·5	8	2·6	14	4·8
16	6	6·2	5	5·8	7	5·8	9	3·3	9	4·4	7	6·0	7	6·0	8	6·7	8	5·1	8	3·3	10	2·8	23	2·5	5	1·3	5	4·5	8	3·9	14	4·1
17	6	5·1	5	7·0	7	6·1	8	3·0	7	5·1	6	4·4	6	5·4	7	6·8	8	7·0	7	4·4	10	2·1	r3	4·4	5	1·1	5	5·0	6	3·0	14	3·3
18	6	4·4	6	6·0	5	4·3	9	2·9	7	4·5	6	3·0	6	5·9	6	6·3	8	6·5	5	3·9	9	1·9	3	4·4	5	2·4	5	4·4	5	3·8	12	2·0
19	5	2·5	6	5·5	5	2·8	8	2·1	7	2·4	5	3·4	6	4·2	7	4·5	8	4·2	5	2·1	8	1·1	3	1·1	9	2·5	5	2·6	5	4·2	12	0·9
20	5	1·9	6	4·5	4	2·6	8	1·2	6	2·3	5	3·8	6	4·1	7	5·0	7	4·6	5	1·3	8	1·1	3	1·2	8	2·4	6	4·2	5	4·2	12	0·9
21	5	2·2	6	5·1	4	2·8	8	1·9	5	2·4	5	4·1	9	3·4	6	4·8	7	1·8	5	2·1	8	1·6	3	1·3	6	1·7	6	4·4	6	3·7	12	1·1
22	4	1·4	6	3·5	4	2·9	8	1·9	4	2·5	6	3·6	8	3·6	6	3·6	7	3·0	5	1·9	8	1·1	3	1·0	6	1·4	7	3·6	7	4·1	12	1·1
23	4	0·8	6	4·6	3	2·4	8	1·8	4	2·7	5	3·7	6	4·0	5	4·0	7	3·6	4	1·7	8	1·2	3	2·1	6	1·8	6	2·4	9	4·6	7	1·8

Hour \ Day	17d.		18d.		19d.		20d.		21d.		22d.		23d. *		24d		25d.		26d.		27d.		28d.		29d. *		30d. *		31d.		Mean
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Dir.	Velocity
Midnight	6	1·8	8	0·7	6	2·1	9	1·0	11	1·4	5	2·1	3	1·8	4	1·4	8	1·0	9	0·9	9	1·4	9	1·1	6	1·8	22	1·3	2	1·2	2·6
1h	6	1·8	8	1·6	6	2·1	9	1·8	9	1·9	5	1·9	3	1·7	4	1·2	8	1·0	9	1·8	9	1·0	9	1·1	6	1·8	22	1·4	2	1·3	2·8
2	6	1·6	8	1·7	6	2·1	9	1·5	9	1·4	7	0·8	4	1·7	4	1·8	8	1·0	8	1·4	9	1·3	9	1·4	6	1·8	22	1·7	2	1·2	2·8
3	6	1·0	8	1·3	6	2·0	9	1·8	9	1·8	10	1·3	4	1·2	4	1·0	8	1·6	7	1·8	9	1·4	6	1·6	6	1·8	22	1·5	2	1·3	2·8
4	6	1·1	8	1·2	6	1·1	8	1·6	9	2·2	10	1·6	4	1·2	4	1·3	8	1·3	6	1·4	9	1·8	6	1·3	6	1·8	22	1·4	2	1·1	2·6
5	6	1·1	8	1·2	6	1·2	8	1·8	9	1·7	9	0·8	4	1·4	4	1·9	8	1·5	6	1·3	9	1·8	6	1·4	6	1·8	d0	2·1	2	1·4	2·6
6	6	1·5	7	1·0	6	1·7	8	1·4	9	1·8	9	1·1	4	1·8	4	1·4	8	1·7	6	1·2	9	1·1	6	1·1	6	1·8	0	2·0	2	1·1	2·5
7	6	1·0	8	1·8	6	1·3	8	2·0	9	1·8	6	1·3	5	1·8	4	1·1	8	1·6	6	1·1	9	1·6	6	1·1	6	1·0	0	0·9	2	0·6	2·5
8	6	1·6	7	1·8	8	1·4	8	1·3	9	1·4	6	1·3	5	2·1	4	3·1	6	3·0	6	1·7	9	1·0	6	1·1	6	0·6	0	1·0	2	1·1	3·2
9	9	1·8	7	2·4	8	1·9	11	2·1	9	3·4	6	3·2	6	2·3	5	3·4	6	3·3	6	1·4	9	1·5	8	1·6	6	0·6	0	0·6	8	2·7	4·2
10	11	2·2	9	3·3	12	2·9	10	2·7	9	3·3	5	3·6	8	1·9	5	3·2	9	3·8	10	3·1	9	1·9	10	1·0	6	0·8	d8	0·8	8	2·8	4·6
11	10	1·9	9	2·8	11	3·3	10	3·8	10	3·3	5	2·9	10	1·8	5	3·7	9	4·0	13	3·9	11	1·8	8	1·3	d20	1·9	22	1·8	8	2·6	5·1
Noon	10	2·2	10	3·1	10	3·1	11	3·2	10	3·1	8	2·7	11	2·2	5	3·9	6	3·7	13	3·4	10	1·8	12	2·1	20	2·1	25	2·8	6	2·7	5·0
13h	9	2·8	10	3·2	9	2·8	10	3·1	12	3·7	8	3·2	d16	2·3	5	3·0	10	3·4	13	4·4	11	2·4	14	2·6	19	2·4	r18	2·4	4	3·1	5·2
14	10	1·8	9	2·7	10	2·8	9	2·0	11	3·9	10	3·4	d0	3·6	4	4·0	9	4·0	13	3·8	10	2·2	15	3·6	18	3·1	11	1·5	5	3·9	5·3
15	10	3·1	8	2·3	9	2·6	8	1·4	10	3·2	10	3·2	0	2·5	5	2·8	9	2·9	14	3·7	11	2·2	3	1·8	16	3·5	5	1·4	7	2·8	4·9
16	9	2·3	8	1·8	9	1·7	10	2·0	9	3·0	8	3·3	r29	1·3	9	2·2	10	2·8	14	2·5	10	2·4	1	1·5	20	2·5	5	2·1	7	1·9	4·4
17	11	2·4	8	1·6	10	1·8	11	1·6	6	1·2	4	3·9	r4	1·3	8	1·5	10	2·1	12	2·3	10	2·7	10	1·1	23	2·2	2	2·1	3	2·1	4·3
18	10	1·7	8	1·1	10	0·9	11	0·8	6	1·8	7	4·4	4	1·2	8	0·6	9	2·4	10	1·8	10	2·5	9	0·7	23	1·3	2	2·1	5	2·7	3·9
19	10	1·2	8	1·0	10	1·1	11	1·1	5	1·3	7	1·8	4	0·7	8	1·0	9	1·8	9	1·0	9	1·3	9	1·4	23	0·6	2	0·8	4	1·4	2·6
20	9	1·3	8	1·5	10	1·1	11	0·9	5	1·5	8	1·8	4	1·7	8	1·4	9	1·4	9	1·6	9	1·3	6	1·2	22	0·9	2	1·2	9	1·4	2·7
21	10	1·5	7	1·9	10	1·2	11	0·9	5	0·7	8	2·7	4	1·0	8	1·2	9	1·2	9	1·4	9	1·1	6	1·2	22	0·7	2	1·2	6	2·4	2·7
22	9	1·9	6	1·4	10	1·1	11	1·3	5	1·3	8	1·5	4	1·4	8	1·4	9	1·8	9	1·3	9	1·1	6	1·4	22	1·4	2	1·3	4	2·5	2·6
23	8	1·9	6	1·9	10	1·1	11	1·3	5	2·0	3	1·3	4	1·8	8	1·3	9	1·3	9	1·5	9	1·3	6	1·5	22	1·8	2	1·2	4	2·4	2·8

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MARCH 1925.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of MARCH 1925.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	4·49	114·0	201·2	14
	3	Belmont	50	5·51	140·0	184·4	14
	4	Poudre d'Or	20	5·53	140·5	168·9	13
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	6·17	156·7	223·8	21
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	8·24	209·0	258·3	15
	9	Beau Séjour	300	6·70	170·2	213·4	24
	10	Mont Piton	360	7·31	185·7	295·9	20
	11	Mon Choix	700	6·48	164·6	272·5	18
	12	Antoinette	640	12·57	319·3	275·6	23
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	11·97	304·0	375·4	22
	15	Mon Songe	620	8·65	219·7	341·9	18
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	7·78	197·6	252·7	21
	19	The Observatory ...	179	4·23	107·4	236·0	11
	20	Solitude	175	4·40	111·8	187·2	11
	21	St. André	90	7·09	180·1	208·8	15
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	7·73	196·3	...	17
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	4
	47	Terre Rouge Station* ...	137	5·22	132·5	...	1
	48	Mapou Station*	296	5·06	128·5	...	3
	49	Poudre d'Or Station§ ...	772	...	...	...	6
	50	Rivière du Rempart* ...	134	6·42	163·0	...	7
2 & 3	1	Union Régnard S.E. ...	600	13·32	338.3	319·5	19
	2	Constance d'Arifat L.G.	100	7·89	200·4	305·3	17
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	9·96	253·0	...	17
	10	St. Julien E(K. Reetoo)*	...	14·70	373·5	...	17
4	1	Sans Souci	900	12·62	320·5	526·0	22
	2	Etoile§	400	...	...	...	...
	3	Beau Champ§	20	...	...	...	...
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	11·31	287.3	310·9	18
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose *	...	15·59	396·0	...	23
	9	Bonne Veine*	...	14·47	367·6	...	24
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	10·12	257·0	247·6	18
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	6·99	777·5	...	21
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	22·94	582·7	553·7	19
	2	Tivoli*	1,300	17·69	449·3	...	16
	3	La Flora*	1,050	15·31	388·9	...	19
	4	Britannia	730	9·64	244·9	421 6	23
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold§	900	...	...	...	...
	10	Terracine§	100	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	6·16	156·5	...	11
	15	Fontenelle*	...	7·76	197·1	...	8
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre*	40	16·06	407·9	...	16
	3	Beau Champ*	...	18·83	478·3	...	14
	4	Board*	...	21·65	549·9	...	11
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	12·13	308·1	45·26	26
	3	Mare aux Vacoas ...	1,850	17·91	454·9	515·6	24
	4	La Marie Filter Bed ...	1,700	15.17	385·3	416·8	18
	5	Réunion	1,420	7·30	185·4	377·4	20
12	1	The Manse	850	6·84	173·3	232·2	17
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	5·11	129·8	271·8	31
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	7·94	201·7	...	20
	7	Trianon	950	6·79	172·5	292·8	18
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	9·11	231·4	...	15
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	5·91	150·1	456·7	22
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or§	...	15·36	390·1	...	19
	17	Mon Repos§	...	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	3·28	83·2	...	7

* Normals not available. § Record not Received.

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·55 metres above SEA LEVEL during the month of MARCH 1925.

Day \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum: Alto St:		Cirro Cum		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
	h	°		°		°		°		°				h	°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	240	1·7	285	1·7	...	...	...	...	...	...	...	...
2	12h	285	2·5	300	0·6	...	...	...	...	...	...	...	...	15¼	315	1·5	315	3·0	...	...	...	...	...	...	...	...
3	10½	...	...	345	...	...	...	...	...	...	...	...	...	12¼	285	1·0	270	1·4	...	...	...	...	...	...	...	...
4	10¼	255	0·8	300	1·6	...	...	...	...	...	...	40	...	15h	...	...	315	1·2	..	...	...	...	...	...	105	0·8
5	12	...	...	315	1·2	...	..	...	...	...	...	...	..	15	285	0·8	300	0·4	90	0·1	...	...	...	...	60	...
6	...	...	...	..	...	...	...	...	...	...	...	...	...	15¼	255	0·8	270	0·2	...	...	75	0·9	...	...	105	0·8
7	10¼	300	1·5	285	1·1	...	...	...	...	...	...	...	...	15	...	...	300	0·6	...	...	...	...	...	...	60	1·5
8	12¼	285	0·8	210	2·1	...	...	...	...	...	...	45	0·3	16½	...	...	285	2·0	...	...	...	...	...	...	...	...
9	10	300	2·3	...	...	...	...	60	0·3	...	...	...	...	15½	...	...	225	0·9	...	...	...	...	..	...	45	1·1
10	10½	225	0·6	...	...	...	...	...	...	...	...	165	0·5	12¼	...	...	285	0·7	...	...	105	0·6	...	...	...	...
11	10½	300	0·4	...	...	...	...	255	0·9	...	...	...	...	12	...	...	255	0·3	...	...	...	...	...	...	...	...
12	10¼	105	0·5	240	0·3	...	...	...	...	...	...	.	...	12¼	255	0·9	240	0·3	...	..	...	...	...	...	...	...
13	8	...	...	270	0·6	...	...	...	...	...	...	60	0·3	15¼	105	1·0	270	0·8	...	...	...	...	...	...	...	...
14	10¼	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...
15	7½	240	0·6	...	...	315	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	7	...	...	...	...	225	0·3	...	...	...	...	...	...	17	...	...	165	0·4	...	...	...	..	...	...	...	..
17	7¼	...	...	...	...	...	...	...	...	...	...	165	0·3	15½	...	...	300	0·4	0	0·5	300	0·3	...	...	...	...
18	8¼	210	1·4	...	...	240	0·3	...	...	...	...	...	...	10¼	...	...	120	0·4	...	...	...	...	...	...	...	...
19	7¼	...	...	...	...	0	0·4	...	...	...	...	...	...	10¼	...	...	210	0·5	...	...	..	...	...	...	...	...
20	12¼	...	...	300	0·7	...	...	...	...	...	...	...	...	15¼	225	0·7	...	...	60	0·1	...	...	...	...	...	...
21	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	.	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
23	7¼	285	0·3	...	...	...	...	...	...	...	...	...	...	17½	...	...	...	...	340	0·3	75	0·3	...	...	...	...
24	6½	...	...	...	...	...	...	180	0·2	...	...	60	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...
25	10	270	1·2	...	...	...	...	..	...	...	...	...	...	12¼	195	0·6	345	0·4	...	...	...	...	..	...	...	...
26	8½	...	...	255	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
27	8¾	...	...	...	...	...	...	...	...	...	...	50	0·2	10¼	...	...	280	0·4	...	...	...	...	...	...	30	0·5
28	7½	...	...	...	...	15	0·2	...	...	...	...	...	...	10¼	...	...	210	0·3	..	...	...	...	...	...	...	...
29	7¼	...	...	...	...	...	...	...	...	...	...	60	0·5	13¼	...	..	345	0·3	...	...	...	...	...	...	...	...
30	10	...	...	290	0·4	...	...	...	...	...	...	...	...	10½	...	...	165	0·7	...	...	...	...	...	...	...	...
31	7¼	...	...	...	..	...	...	...	...	...	...	120	0·5	10	...	...	45	0·2	...	...	...	...	...	...	...	...

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

NEW SERIES (MONTHLY). VOL. XI. PART 4 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

APRIL 1925

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

DIRECTOR.

Published by Authority of His Excellency the Governor

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NOTE—For purposes of upper air investigation the directions of the wind in Table VI and of the clouds in Table XVI now refer to directions from South through West to North and East. The directions in Table VII still refer to directions from South through East and will not be altered until January, 1926.

TABLE I.—RESULTS OF MAGNETICAL OBSERVATIONS made during the MONTH of APRIL 1925

Month and Day. 1924	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force (Unit 1 γ)	Vertical Force (Unit 1 γ)
APR.	° ′					
1	11. 7·5	·22920	·29924	6·2	29	17
2	11. 7·6	930	921	8·0	49	20
3	11. 7·7	905	923	7·0	60	19
4	11. 7·9	913	917	4·4	41	16
5	11. 7·1	917	910	7·0	50	29
6	11. 7·5	915	913	3·6	34	16
7	11. 7·6	913	907	1·6	38	8
8	11. 7·4	914	899	6·8	44	27
9	11. 7·9	913	896	7·3	33	13
10	11. 6·9	906	889	7·2	40	18
11	11. 7·7	905	886	8·4	44	28
12	11. 7·0	902	885	6 6	25	18
13	11. 7·9	902	880	7·2	21	27
14	11. 7·7	911	874	7·8	38	25
15	11. 7·5	909	879	7·2	51	19
16	11. 7·4	897	880	6·8	50	15
17	11. 7·3	903	882	7·4	30	15
18	11. 7·4	901	879	7·8	15	24
19	11. 7·8	906	877	7·0	18	28
20	11. 7·1	911	876	7·4	80	27
21	11. 7·3	904	880	4·6	25	20
22	11. 7·3	909	879	6·2	33	28
23	11. 7·6	914	878	7·4	19	31
24	11. 7·4	911	881	7·8	17	19
25	11. 8·2	916	880	5·4	16	25
26	11. 7·7	920	879	8·0	35	23
27	11. 7·8	912	882	7·6	32	17
28	11. 8·6	912	879	5·0	23	21
29	11. 7·8	912	881	5·0	22	19
30	11. 7·7	910	882	4·8	34	8
Mean	11· 7·58	·22910	·29890	6·48	34·9	20·7

Description of the Principal Magnetic disturbances.

The following notes give a brief description of the principal magnetic disturbances. The movements in Horizontal Force and Vertical force are expressed in C.G.S. units.

The term "wave" indicates a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "oscillations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and —denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

APRIL 1925.

d h d h 1. 5 to 4. 3	Small irregular undulations in H.F.
d h h 6. 21½ to 23	Wave in H.F. (+ 25γ): in Dec. (+ 2′).
d h d h 9. 10 to 11. 7	Small irregular undulations in H.F. with waves $10.^{d}0\frac{1}{2}^{h}$ to $10.^{d}7^{h}$ irregular (+ 28γ) & $10.^{d}23^{h}$ to $11.^{d}2^{h}$ (+ 20γ).
d h d h 15. 23½ to 16. 1½	Wave in H.F. (+ 22γ). $15.^{d}21\frac{3}{4}^{h}$ to $23\frac{1}{2}.^{h}$ Wave in Dec. (+ 3′).
d h h 20. 14½ to 18	Wave in H.F. (—40γ). $20.^{d}19^{h}$ to $21.^{d}1^{h}$ wave in H.F.(—35γ).
d h m 27. 18 55	Sharp increase in H.F. (10γ) followed by gradual decrease of force (20γ) till 21^{h} and a wave till $22\frac{1}{2}^{h}$ (— 15γ).

T=0·37660: Mean Dip=θ=52°.31′·84. (X=·22480: Y=—·04421: Z=·29890).

† 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 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South).					
				A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
APR. 1. 9. 2	11.10·80	APR. 7. 9·20	·22917	APR. 1. 9·17	52.31·93	·29927	APR. 1.13.27	52.32·87	·29930
1.13.35	11. 4·49	13·27	·22921	8.10. 0	52.31·03	·29903	8.13.25	52.28·87	·29865
8. 9.51	11.10·41	15. 9·40	·22927	16. 9·47	52.30·34	·29876	16.13.21	52.30·37	·29851
16. 9.14	11.10·36	13·31	·22929	24. 9·53	52.31·56	·29886	24.13.44	52.31·16	·29879
.13.34	11. 4·09	20. 9· 9	·22907						
24. 9.16	11.11·25	13· 7	·22916						
.13.27	11. 3·72	29. 9·27	·22916						
		13·10	·22922						

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

APRIL 1925.

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

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

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

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

APRIL 1925.

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	915	903	916	892	916	902	909	909	909	911	910	900	889	905	901	880	Midnight
1h	916	907	918	897	921	909	912	906	913	929	910	900	895	906	901	895	1h
2	915	911	921	901	920	912	920	907	911	930	906	907	897	904	904	890	2
3	920	916	915	907	922	912	927	915	909	931	911	905	896	903	901	886	3
4	921	922	911	905	926	915	918	910	912	929	917	909	900	902	904	890	4
5	925	926	913	906	928	917	919	909	917	911	912	909	905	902	906	899	5
6	925	930	920	907	931	920	920	911	916	915	912	910	909	905	909	900	6
7	935	936	928	909	934	922	916	918	913	899	906	909	910	913	913	909	7
8	935	942	930	912	935	927	919	917	917	900	907	905	910	917	919	911	8
9	936	952	925	919	936	927	924	926	920	906	908	899	909	923	919	919	9
10	930	949	925	924	935	921	930	931	923	908	916	901	903	931	920	922	10
11	929	950	930	930	935	929	936	945	932	899	923	902	903	935	928	921	11
Noon	932	951	926	933	940	931	920	941	931	899	925	906	909	939	931	915	Noon
13h	930	945	915	931	932	928	915	932	925	901	914	912	899	934	927	902	13h
14	915	950	907	919	912	922	909	915	911	900	895	911	899	922	918	887	14
15	912	938	889	908	902	918	904	907	900	896	881	902	893	909	914	872	15
16	916	934	883	908	911	909	898	903	899	891	890	893	897	902	909	876	16
17	913	937	883	909	904	906	900	902	907	898	900	887	901	901	908	879	17
18	910	929	893	910	896	905	901	901	908	901	901	887	902	902	910	885	18
19	913	919	879	911	890	902	903	905	908	900	901	900	902	902	912	895	19
20	912	915	872	912	895	899	905	905	905	899	900	901	901	904	909	897	20
21	909	915	870	914	897	897	902	905	909	900	899	900	901	906	896	897	21
22	912	915	870	915	900	910	901	901	911	901	897	893	900	905	887	896	22
23	907	917	881	916	902	909	904	903	912	898	895	895	902	905	880	897	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean.	Day. / Hour.
	·22000 + (C.G.S. UNIT.)																
Midnight	896	899	899	911	893	896	910	911	910	921	908	902	910	913	...	904·9	Midnight
1h	899	897	902	912	905	901	911	912	910	922	907	905	910	911	...	908·0	1h
2	897	897	903	919	903	905	912	913	912	927	911	909	911	910	...	909·5	2
3	899	899	901	917	902	909	917	917	911	922	912	911	912	917	...	910·7	3
4	901	900	901	919	901	910	919	916	912	921	913	913	910	919	...	911·5	4
5	901	901	906	922	906	910	921	916	917	921	917	916	919	921	...	913·3	5
6	901	900	905	921	900	911	919	917	917	921	917	916	919	922	...	914·2	6
7	905	905	905	921	911	912	921	917	918	927	921	917	919	921	...	916·3	7
8	907	905	906	924	911	913	921	917	919	932	921	919	919	921	...	917·9	8
9	909	906	907	928	915	915	919	913	915	936	921	919	921	922	...	919·8	9
10	912	906	908	936	916	918	913	911	917	935	921	920	916	919	...	920·6	10
11	919	910	910	946	912	926	912	912	919	931	919	925	916	913	...	923·2	11
Noon	925	911	917	944	918	929	916	913	926	929	921	920	919	911	...	924·3	Noon
13h	921	901	917	932	911	921	922	913	923	923	915	915	913	909	...	919·3	13h
14	907	896	911	927	905	910	920	909	915	920	909	911	907	905	...	911·5	14
15	900	899	903	918	897	906	913	903	911	916	909	905	900	901	...	904·2	15
16	895	901	902	880	900	902	909	900	911	912	908	905	899	898	...	901·4	16
17	897	905	905	891	901	903	903	904	914	915	911	905	904	899	...	903·1	17
18	897	906	904	899	901	903	905	911	919	911	912	909	910	903	...	904·4	18
19	897	900	903	892	900	902	906	909	919	901	920	910	909	902	...	903·7	19
20	895	899	905	879	900	902	906	909	918	909	910	911	909	903	...	902·8	20
21	896	897	906	866	896	901	907	908	917	911	899	910	910	905	...	901·5	21
22	895	897	909	875	895	902	908	909	917	911	889	909	911	905	...	901·5	22
23	899	898	911	885	894	901	910	910	919	909	904	909	910	905	...	902·9	23

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

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

APRIL 1925.

Hour. \ Day.	1.d	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29000 + (C.G.S. UNIT).																
Midnight	927	928	923	923	916	915	909	906	899	893	890	889	888	881	880	882	Midnight
1h	927	927	923	922	916	915	909	906	898	893	888	887	887	880	880	881	1h
2	927	926	923	921	916	915	908	905	897	891	889	885	885	880	880	881	2
3	926	925	923	920	916	915	908	904	897	891	888	883	884	880	880	882	3
4	925	924	924	920	916	915	908	904	898	891	887	883	883	880	880	881	4
5	924	924	925	920	916	916	909	905	898	891	887	885	883	880	880	880	5
6	923	924	925	920	916	916	910	905	898	892	889	885	882	880	880	880	6
7	923	924	924	920	915	913	910	909	900	893	890	885	883	880	880	880	7
8	927	928	930	921	917	918	910	910	902	898	894	889	889	884	885	882	8
9	929	925	930	920	918	921	910	910	902	898	897	890	891	888	889	884	9
10	925	919	921	920	910	920	909	900	901	892	892	892	889	883	888	882	10
11	920	910	919	919	901	918	907	890	893	879	883	891	879	870	879	875	11
Noon	917	908	913	913	892	911	905	883	889	880	870	881	870	863	870	869	Noon
13h	912	911	911	911	889	906	906	886	889	880	869	875	864	863	870	870	13h
14	917	916	915	907	889	905	904	887	890	880	871	874	867	867	871	873	14
15	919	917	920	909	900	908	902	891	890	880	877	874	870	867	873	876	15
16	920	918	920	912	903	909	902	892	893	880	883	878	876	870	878	879	16
17	923	920	922	916	908	912	903	897	893	887	885	881	878	875	880	881	17
18	924	922	924	918	913	912	905	899	896	890	885	883	879	877	880	883	18
19	925	922	924	919	913	913	907	899	896	891	886	887	880	878	880	882	19
20	925	922	925	919	915	913	909	900	897	892	887	888	880	880	880	882	20
21	926	923	925	919	916	914	908	900	897	892	889	889	881	880	880	882	21
22	927	923	927	917	915	914	908	900	895	892	889	889	881	880	881	881	22
23	927	923	929	917	916	910	907	900	894	891	889	888	881	880	882	881	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	·29000 + (C.G.S. UNIT).																
Midnight	881	880	880	878	882	882	883	882	883	881	883	883	883	883	...	893·1	Midnight
1h	881	880	880	878	881	881	881	881	883	881	882	883	883	883	...	892·6	1h
2	881	881	880	878	881	881	881	881	882	880	882	882	882	883	...	892·1	2
3	881	881	880	878	881	881	880	880	882	880	881	881	882	882	...	891·7	3
4	881	881	880	879	882	882	881	880	882	880	880	881	882	881	...	891·7	4
5	881	881	880	879	882	883	881	881	882	880	881	881	882	881	...	891·9	5
6	881	881	880	879	882	884	882	882	882	880	881	881	881	881	...	892·1	6
7	881	882	880	880	882	885	883	883	883	880	881	881	881	880	...	892·4	7
8	887	887	885	883	886	888	888	888	886	885	888	887	887	883	...	896·4	8
9	890	890	889	884	890	886	891	890	889	889	892	889	889	885	...	898·2	9
10	889	887	888	877	889	878	887	887	885	884	890	882	884	884	...	894·5	10
11	881	880	880	863	880	868	871	880	878	874	885	872	878	881	...	886·5	11
Noon	877	870	870	858	873	860	862	871	870	869	878	868	870	879	...	880·6	Noon
13h	875	866	862	861	871	862	861	871	864	866	875	870	870	880	...	878·9	13h
14	878	869	861	866	870	866	860	872	867	867	878	870	874	880	...	880·4	14
15	881	872	864	865	870	869	860	871	870	870	877	868	877	878	...	882.2	15
16	882	878	869	870	875	873	869	873	873	873	876	870	878	877	...	885·0	16
17	883	880	873	879	880	880	876	879	879	879	880	877	881	880	...	888·9	17
18	883	880	877	880	881	883	881	881	881	881	882	881	882	884	...	890·9	18
19	883	880	879	880	882	885	883	883	882	883	882	882	883	884	...	891·8	19
20	882	880	880	881	883	885	884	884	883	883	882	883	883	884	...	892·4	20
21	882	880	880	885	883	885	885	885	883	883	883	883	883	884	...	892·8	21
22	881	880	879	884	883	884	884	885	883	883	886	883	883	884	...	892·7	22
23	880	880	878	882	883	883	883	884	883	883	885	883	883	884	...	892·3	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·55 metres above mean sea-level) during the MONTH of APRIL 1925.

Month and Day 1925.	Observations at 10 a.m.								Temperature of the Air.						
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in points.	Wind. Velocity.	Highest.	Lowest.	Range.	Amount of Cloud (Scale 0—10)	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.
	mbs.	c	c	c	%	mbs.		m.p.s.	c	c	c		m.m.	hrs.	
APRIL 1	967·9	23·6	2·4	19·5	78	22·4	25	6	24·6	19·9	4·7	5·7	6·5	8·3	70
2	966·4	24·0	3·4	18·2	70	20·7	24	6	26·1	18·0	8·1	4·0	...	7·6	64
3	966·1	23·9	3·1	18·6	72	21·2	26	5	24·8	19·7	5·1	4·9	...	9·5	81
4	967·0	21·8	1·2	19·7	88	22·7	26	7	23·8	17·9	5·9	7·5	4·0	6·8	58
5	968·8	22·8	2·6	18·3	76	20·8	24	7	25·0	17·1	7·9	4·6	6·5	9·4	80
6	968·4	24·9	2·0	21·5	81	25·4	22	5	26·9	16·0	10·9	5·0	..	9·8	83
7	968·9	25·0	2·5	20·7	77	24·2	25	3	26·4	18·8	7·6	4·5	0·2	8·1	69
8	967·3	21·8	0·9	20·2	90	23·4	25	6	23·9	18·2	5·7	8·6	43·3	2·9	25
9	969·7	23·7	1·8	20·6	83	24·0	24	5	24·4	19·4	5·0	8·7	3·0	3·9	33
10	971·2	24·1	2·3	20·1	78	23·3	24	4	25·5	18·8	6·7	5·1	3·1	9·8	84
11	967·6	24·8	3·8	18·3	67	20·8	22	1	26·4	16·9	9·5	3·9	...	8·6	74
12	967·0	23·9	3·0	18·7	73	21·4	26	0·5	27·6	17·5	10·1	3·1	...	9·3	80
13	968·0	24·9	3·1	19·6	72	22·6	23	3	26·7	18·9	7·8	2·9	0·2	9·1	78
14	969·9	24·8	2·7	20·2	76	23·4	24	3	26·7	19·5	7·2	3·0	...	10·3	89
15	969·7	24·3	2·5	20·0	77	23·2	24	4	26·0	20·1	5·9	5·2	1·2	9·7	84
16	968·5	24·6	2·0	21·2	81	24·9	21	4	26·6	20·3	6·3	9·7	6·2	7·1	61
17	968·4	23·5	2·2	19·7	79	22·7	23	6	25·3	19·6	5·7	10·0	19·6	0·8	7
18	968·5	20·9	0·1	20·7	99	24·2	21	7	24·6	19·9	4·7	10·0	50·1	0·0	0
19	969·6	21·0	0·4	20·3	96	23·6	23	5	21·6	17·2	4·4	10·0	29·0	0·0	0
20	968·5	23·8	2·2	20·0	80	23·2	23	5	23·9	18·8	5·1	8·9	28·7	2·5	22
21	968·3	21·9	1·0	20·2	90	23·4	22	7	25·8	19·9	5·9	7·7	15·5	7·7	67
22	970·0	22·4	1·5	19·8	85	22·9	22	6	25·1	19·4	5·7	6·2	1·5	8·2	70
23	970·7	22·5	1·7	19·5	83	22·4	22	3	25·5	17·4	8·1	6·2	1·3	7·9	69
24	969·9	24·2	2·9	19·2	74	22·0	24	3	26·0	19·8	6·2	4·0	...	10·7	93
25	968·9	23·8	2·8	19·0	75	21·8	21	7	25·7	19·7	6·0	3·6	..	10·6	93
26	969·0	22·6	2·7	17·9	75	20·3	23	3	25·6	17·9	7·7	4·1	...	9·9	87
27	968·2	23·0	1·6	20·2	84	23·4	23	1	24·9	19·5	5·4	7·6	3·4	2·9	25
28	968·5	21·9	1·1	20·0	89	23·2	22	1	24·6	18·8	5·8	5·1	10·9	7·8	68
29	967·6	23·2	2·9	18·2	74	20·7	23	2	23·9	17·2	6·7	4·1	1·3	10·0	88
30	966·8	22·9	2·8	18·0	74	20·4	23	2	25·2	17·5	7·7	2·5	...	10·3	91
Mean	968·5	23·3	2·2	19·6	79·9	22·6	° 261·9	4·2	25·3	18·7	6·6	5·9	Sum 235·5	7·32	64·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean for the month at 10 a.m.:

Atmospheric Presssure	+ 41·8 mbs
Temperature of the Air	+ 2·8 C.
Vapour Tension	+ 2·3 mbs.
Relative Humidity	— 5·6 %
Direction of Wind	15°·1 South
Velocity of Wind	— 0·1 mps.

Duration of sunshine	+ 15·8 hours
Amount of cloud	— 0·3
Amount of rain	+ 27·6 m.m.
Mean of highest temperatures	+ 2·1 C
Mean of lowest temperatures	+ 2·5 C

* South (0); West (8); North (16); East (24).

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1925.

Month and Day 1925.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0–10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
APR.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1009·0	+ 2·5	27·8	22·4	5·4	24·7	− 0·1	2·6	20·2	− 0·8	76	− 4	23·4	20·8	0·0	...	3·7	7·2
2	1007·7	+ 1·1	28·8	22·8	6·0	25·3	+ 0·5	3·2	19·8	− 1·1	72	− 8	22·9	20·6	0·0	...	6·5	4·0
3	1007·2	+ 0·5	28·7	22·6	6·1	25·1	+ 0·3	3·8	18·6	− 2·3	67	− 13	21·2	19·9	0·0	...	7·2	4·2
4	1008·3	+ 1·6	26·2	22·4	3·8	23·6	− 1·1	2·6	19·1	− 1·7	76	− 4	21·9	20·2	2·5	53	4·5	5·5
5	1008·7	+ 1·9	27·9	21·2	6·7	24·5	− 0·2	3·4	18·7	− 2·1	70	− 10	21·4	16·7	0·0	...	7·0	3·2
6	1009·2	+ 2·3	28·9	20·1	8·8	24·3	− 0·3	3·0	19·1	− 1·6	73	− 7	21·9	17·1	0·0	...	6·5	3·5
7	1009·4	+ 2·5	28·8	21·1	7·7	24·8	+ 0·2	2·4	20·8	+ 0·1	78	− 2	24·3	18·5	0·6	15	5·4	5·2
8	1009·6	+ 2·6	27·1	21·5	5·6	24·3	− 0·2	2·0	20·9	+ 0·3	82	+ 2	24·5	20·6	17·4	153	8·4	7·5
9	1010·6	+ 3·5	26·5	21·7	4·8	23·3	− 1·2	1·3	21·0	+ 0·4	87	+ 7	24·6	19·6	62·5	403	1·5	8·7
10	1010·5	+ 3·3	27·9	20·7	7·2	23·9	− 0·5	2·4	19·8	− 0·7	78	− 2	22·9	17·2	0·5	20	5·5	3·8
11	1008·2	+ 1·0	28·5	18·9	9·6	23·8	− 0·6	2·4	19·7	− 0·7	78	− 2	22·7	15·2	0·0	...	6·0	3·5
12	1007·8	+ 0·5	28·7	19·0	9·7	23·7	− 0·6	2·1	20·1	− 0·3	80	0	23·3	15·4	0·0	...	4·8	3·5
13	1008·8	+ 1·4	28·3	19·5	8·8	24·5	+ 0·2	2·3	20·6	+ 0·3	79	− 1	24·0	14·9	0·0	...	5·5	2·7
14	1010·2	+ 2·8	28·6	23·0	5·6	25·4	+ 1·2	2·3	21·5	+ 1·2	79	0	25·4	21·0	0·7	25	5·7	4·8
15	1010·0	+ 2·5	28·3	22·9	5·4	25·3	+ 1·1	2·3	21·4	+ 1·2	79	0	25·2	20·3	18·6	125	8·3	4·7
16	1008·6	+ 1·0	28·0	23·2	4·8	25·0	+ 0·9	1·7	22·1	+ 1·9	84	+ 5	26·3	16·5	6·6	108	4·2	8·5
17	1008·5	+ 0·8	27·1	23·0	4·1	24·7	+ 0·6	1·6	22·0	+ 1·9	85	+ 6	26·2	21·8	10·1	195	6·6	9·5
18	1009·1	+ 1·4	25·0	21·1	3·9	23·3	− 0·7	1·1	21·4	+ 1·3	89	+ 10	25·2	19·5	71·3	512	1·0	10·0
19	1010·3	+ 2·5	25·0	21·4	3·6	23·2	− 0·7	1·2	21·1	+ 1·1	88	+ 9	24·8	19·5	34·2	335	6·8	10·0
20	1009·3	+ 1·4	26·5	22·4	4·1	24·4	+ 0·5	2·1	20·8	+ 0·8	80	+ 1	24·3	20·7	3·9	53	1·4	9·2
21	1009·1	+ 1·2	26·1	22·1	4·0	24·0	+ 0·2	1·8	20·9	+ 1·0	83	+ 4	24·5	18·7	22·7	100	2·6	6·0
22	1010·5	+ 2·5	26·9	20·8	6·1	23·9	+ 0·1	2·4	19·8	− 0·1	78	− 1	22·9	16·0	0·2	10	4·3	6·8
23	1011·5	+ 3·4	27·3	20·3	7·0	23·8	+ 0·1	2·4	19·7	− 0·1	78	− 1	22·7	16·5	0·0	10	5·4	3·7
24	1010·4	+ 2·3	27·7	21·4	6·3	24·1	+ 0·4	2·2	20·3	+ 0·5	79	0	23·6	19·0	0·0	...	4·5	3·6
25	1009·8	+ 1·6	27·0	20·3	6·7	23·9	+ 0·3	2·7	19·3	− 0·4	76	− 3	22·2	16·5	0·4	10	5·9	3·8
26	1009·9	+ 1·6	26·9	20·4	6·5	23·7	+ 0·1	2·4	19·6	0·0	78	− 1	22·6	16·5	1·1	21	6·9	5·2
27	1009·3	+ 1·0	26·8	21·7	5·1	23·7	+ 0·2	1·6	21·0	+ 1·4	85	+ 6	24·6	18·1	8·1	110	3·1	6·6
28	1009·2	+ 0·8	26·9	20·1	6·8	23·4	0·0	1·8	20·3	+ 0·8	83	+ 4	23·6	16·4	1·7	65	5·7	5·3
29	1008·5	0·0	26·8	18·9	7·9	22·5	− 0·9	2·4	18·3	− 1·1	77	− 2	20·8	15·3	0·0	...	4·5	2·0
30	1007·9	− 0·7	27·0	18·7	8·3	22·6	− 0·7	2·1	19·0	− 0·3	80	+ 1	21·8	15·1	0·0	...	4·6	3·4
Mean	1009·2	+ 1·7	27·4	21·2	6·2	24·1	0·0	2·3	20·3	+ 0·1	79·2	− 0·2	23·5	18·1	Sum 263·1	Sum 2313	5·1	5·5
Aver.	1007·5	...	27·7	21·1	6·5	24·1	..	2·3	20·2	...	79·4	...	23·4	18·3	113·5	1541	4·2	5·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF APRIL 1925.

The weather conditions for the month of April were characterised by a total absence of cyclonic activity. Gradients across the South Indian Ocean between Mauritius and Seychelles were maintained at a pressure difference of between 6 and 8 mbs. throughout the month, except between the 1st and 5th when the pressure difference dropped to between 3 and 4 mbs.

Pressure was high, being below normal on only one day (the 30th.) Temperature was below normal during the first fifteen days and above during the last. Rainfall conditions were good both in amount and distribution: heavy falls were registered between the 15th and 21st. Wind velocity was variable, but, in the mean, nearly normal; direction was 1.8° more Southerly than normal.

The Rainfall at the Observatory was 132% above normal and fell on 18 days.

The percentage variations from the normal for the different districts of the Island were as follows :—

Northern Districts	River System 1,	72% above	Western Districts	River System 11	102% above
Eastern Districts	,, ,, 2, 3, 4,	81% ,,		,, ,, 12	55% ,,
South-Eastern Districts	,, ,, 5 & 6	28% ,,		,, ,, 13	143% ,,

May 15, 1925.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1925

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
APRIL	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	9·5	80	− 2·1	+ 3·0	55	3·6	3·8	+ 0·5	25·6	26·7	27·5	27·8	...	27·2	27·2	o.r. : c.gq : c : f.
2	9·2	77	− 1·9	+ 2·9	57	3·4	3·6	+ 0·3	25·7	26·6	27·5	27·9	...	27·1	27·1	b. : c.f.q. : c.f.
3	9·4	80	− 2·7	+ 2·7	45	3·8	3·9	+ 0·6	25·7	26·7	27·5	28·1	...	27·4	27·5	c.f.
4	4·4	37	− 2·5	+ 3·8	57	4·5	4·7	+ 1·4	25·7	26·8	27·4	27·9	...	26·8	26·3	b. : c.r.q. : f.
5	10·8	92	− 1·4	+ 3·9	70	4·1	4·3	+ 0·9	25·7	26·7	27·4	27·3	...	26·4	26·3	b. : c.f q. : b. :
6	10·8	92	− 0·6	+ 2·5	76	2·6	2·7	− 0·6	25·7	26·6	27·3	27·2	...	26·5	26·4	b. : c.f. : b. :
7	8·9	76	− 0·9	+ 2·2	68	2·4	2·5	− 0·8	25·8	26·7	27·2	27·3	...	26·6	26·7	c.f.
8	5·7	49	− 2·3	+ 3·8	59	4·4	4·4	+ 1·1	25·7	26·7	27·2	27·3	...	26·6	26·2	c. o.g.r. : c.f.
9	2·2	19	− 1·4	+ 3·5	68	3·7	4·1	+ 0·8	25·7	26·6	27·2	27·1	...	25·6	24·7	o.g.r.tsm. : l.c
10	9·3	79	− 0·7	+ 2·5	74	2·6	2·7	− 0·6	25·8	26·7	27·0	26·0	...	25·0	25·2	c.f. : cd: f.
11	10·8	92	− 0·7	+ 0·5	36	0·8	1·6	− 1·7	25·7	26·6	26·8	26·2	...	25·8	26·2	b. : c.f. : b.
12	8·9	76	− 0·8	+ 0·8	45	1·1	1·6	− 1·7	25·7	26·6	26·8	26·6	...	26·0	26·2	b. : c.f. : c. : b.
13	11·1	96	− 0·7	+ 1·9	70	2·0	2·2	− 1·1	25·8	26·7	26·8	26·7	...	26·2	26·3	b. : c.f.
14	10·7	92	− 1·3	+ 2·9	66	3·2	3·2	0·0	25·8	26·7	26·8	26·9	...	26·8	27·0	c.f.q.
15	10·8	93	− 1·8	+ 3·4	62	3·8	4·0	+ 0·7	25·7	26·5	26·8	27·1	...	26·9	27·1	cfq. : c.g
16	7·3	63	− 0·9	+ 4·2	78	4·3	4·3	+ 1·0	25·8	26·7	26·9	27·1	...	26·6	26·7	c.g.
17	2·5	22	− 1·6	+ 4·2	69	4·5	4·8	+ 1·5	25·7	26·5	26·9	26·9	...	26·5	26·4	c.g. : o.q. : o.r.q.
18	0·0	0	+ 0·6	+ 4·5	98	4·5	4·7	+ 1·4	25·7	26·4	26·9	26·4	...	25·5	24·8	od : orq : odg : o.
19	0·0	0	+ 0·4	+ 3·0	98	3·0	3·2	− 0·1	25·7	26·5	26·8	26·1	...	24·6	24·0	o. : org : o
20	2·6	23	+ 0·1	+ 4·1	91	4·1	4·2	+ 0·9	25·8	26·6	26·5	25·6	...	24·5	24·5	o. : c.g.
21	8·5	74	+ 0·4	+ 4·1	96	4·1	4·2	+ 0·9	25·8	26·6	26·3	25·5	...	24·6	25·0	o.g.r. q. : c.f.
22	8·0	70	+ 0·3	+ 3·7	95	3·7	3·8	+ 0·5	25·8	26·5	26·2	25·7	...	25·1	25·3	c.f.
23	9·7	84	0·0	+ 2·2	90	2·2	2·3	− 1·0	25·8	26·5	26·2	25·8	...	25·3	25·5	c.f. : b.
24	9·1	79	− 1·3	+ 2·5	62	2·8	2·9	− 0·4	25·8	26·6	26·3	26·0	...	25·7	25·9	b. c.f. : b.
25	10·8	95	− 0·4	+ 3·1	83	3·1	3·2	− 0·1	25·9	26·5	26·3	26·1	...	25·8	25·8	b. cf.q. : b.
26	10·2	89	− 1·0	+ 2·7	70	2·9	2·9	− 0·4	25·9	26·7	26·3	26·0	...	25·4	25·6	c.f. : : c.d.
27	3·4	30	− 0·6	+ 1·6	69	1·7	1·8	− 1·5	25·8	26·7	26·3	26·1	...	25·6	25·8	c.g. c.
28	9·0	79	− 0·6	+ 2·3	75	2·4	2·5	− 0·8	25·9	26·4	26·3	26·2	...	26·0	26·0	c.f.
29	10·8	95	− 0·5	+ 2·3	78	2·3	2·5	− 0·8	25·9	26·6	26·3	26·2	...	25·4	25·5	b. : c.f.
30	10·9	96	0·0	+ 1·9	90	1·9	1·9	− 1·4	25·8	26·4	26·3	26·0	...	25·4	25·4	b. . cf.
Mean	7·84	67·6	−0·90	+2·89	72·7	3·03	3·28	− 0·02	25·76	26·60	26·80	26·64	...	25·96	25·95	...
Average	7·68	66·1	−0·97	+2·64	70·9	2·81	3·30	...	25·49	26·94	...	...	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF APRIL 1925.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1012·5mbs	at	10h	on 23rd	1005·8mbs	at 15h	on 2nd
Temperature of the Air	28·9C	at	13h55m	on 6th	18·7C	at 5h45	on 30th
Daily range of temperature of the Air...	9·7C		...	on 12th	3·6C	...	on 19th
Temperature of the Dew Point	23·5C	at	11h	on 16th	17·0C	at 16h	on 3rd
Daily range of temperature of the Dew Point	5·6C	...	...	on 11th	1·8C	...	on 21st
Relative humidity...	97·2%	at	6h	on 12th	53·2%	at 12h	on 3rd
Wind Velocity	7·7 m.p.s.	at	14h	on 8th	0·6mps	often	
Rainfall	71·5mm.	for 24h ending		18d19h	...	...	...
Temperature of the soil at 3 ins. ...	29·1C		15h&18h	on 3rd	23·5C	at 6h	on 10th
,, ,, at 6 ins. ...	28·1C		18h&21h	on 3rd	2·40C	at 9h	on 20th
Duration of sunshine...	11·1 hrs.		...	on 13th	0·0hrs.	...	on 18&19
Amount of Evaporation in 24 hours	8·4mm.		...	on 8th	1·0 m.m.	...	on 18th
Vapour Tension	28·7mbs	at	11h	on 16th	19·2mbs	at 16h	on 3rd
Minimum on Grass	...		...	...	14·9C	...	on 13th

Number of Days Overcast, 8, Clear 2, of Rain 18, of Lightning 1, of Thunderstorm 1

Mean Day Temperature of Air 25·59C Average 25·54C, Mean Night Temperature of Air 22·59C Average 22·39C

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

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

(The values are corrected for temperature and for the effect of gravity, but are not reduced to sea level. (The cistern of the barometer is 55·2 metres above mean sea-level.)

APRIL 1925.

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

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d	Day. / Hour.
Midnight	0092	0097	0077	0078	0093	0095	0103	0099	0106	0122	0102	0083	0090	0097	0113	0095	Midnight
1h	0087	0092	0074	0076	0085	0092	0096	0096	0102	0115	0096	0079	0087	0095	0110	0093	1h
2	0084	0085	0069	0071	0080	0086	0093	0094	0103	0110	0092	0074	0085	0092	0104	0084	2
3	0082	0081	0066	0070	0078	0084	0091	0090	0093	0106	0084	0074	0080	0091	0101	0084	3
4	0082	0080	0065	0072	0079	0083	0089	0090	0092	0103	0081	0073	0077	0092	0100	0082	4
5	0083	0081	0066	0074	0079	0084	0088	0091	0092	0103	0081	0073	0080	0093	0099	0083	5
6	0084	0084	0071	0076	0080	0085	0090	0094	0095	0104	0083	0073	0084	0098	0099	0084	6
7	0087	0086	0077	0083	0086	0092	0096	0101	0099	0113	0085	0081	0092	0104	0105	0091	7
8	0093	0086	0078	0092	0093	0096	0102	0103	0113	0115	0086	0084	0095	0106	0109	0094	8
9	0098	0089	0080	0097	0096	0102	0105	0105	0114	0117	0092	0085	0097	0112	0113	0100	9
10	0096	0087	0082	0096	0096	0103	0109	0106	0115	0121	0094	0085	0099	0112	0113	0101	10
11	0095	0082	0079	0095	0092	0101	0104	0105	0116	0114	0090	0080	0096	0111	0107	0095	11
Noon	0093	0074	0071	0089	0085	0095	0096	0098	0112	0106	0079	0075	0088	0103	0100	0083	Noon
13h	0084	0068	0066	0079	0080	0085	0087	0090	0105	0100	0074	0072	0079	0096	0095	0078	13h
14	0080	0063	0061	0074	0077	0081	0083	0082	0105	0095	0069	0069	0075	0092	0086	0069	14
15	0081	0058	0060	0072	0075	0080	0079	0082	0095	0092	0066	0068	0073	0091	0082	0069	15
16	0082	0058	0063	0071	0076	0081	0079	0083	0095	0091	0065	0070	0075	0091	0083	0072	16
17	0083	0062	0065	0074	0080	0083	0083	0086	0097	0091	0066	0071	0080	0094	0086	0075	17
18	0088	0067	0070	0081	0085	0090	0089	0090	0101	0095	0071	0074	0085	0098	0092	0082	18
19	0093	0071	0075	0086	0090	0095	0095	0092	0109	0096	0077	0081	0091	0104	0094	0089	19
20	0098	0077	0078	0095	0096	0103	0097	0101	0116	0104	0082	0085	0097	0113	0100	0093	20
21	0101	0079	0081	0097	0100	0106	0102	0105	0124	0107	0085	0086	0101	0116	0104	0095	21
22	0101	0081	0081	0097	0099	0105	0104	0108	0124	0106	0085	0091	0102	0115	0104	0095	22
23	0100	0080	0080	0096	0099	0104	0100	0107	0123	0106	0085	0091	0101	0115	0101	0093	23

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
Midnight	0094	0080	0106	0111	0093	0104	0124	0122	0103	0104	0106	0098	0094	0089	...	1009·9	Midnight
1h	0091	0075	0102	0104	0089	0098	0122	0114	0101	0097	0103	0097	0091	0084	...	1009·5	1h
2	0085	0073	0096	0097	0085	0094	0116	0111	0101	0095	0102	0094	0087	0081	...	1009·1	2
3	0079	0070	0094	0091	0082	0093	0112	0105	0096	0093	0097	0089	0084	0076	...	1008·7	3
4	0079	0071	0093	0084	0081	0093	0107	0104	0095	0092	0094	0086	0082	0077	...	1008·6	4
5	0076	0069	0094	0076	0081	0093	0108	0103	0096	0091	0094	0086	0082	0076	...	1008·6	5
6	0078	0081	0095	0083	0085	0098	0114	0105	0102	0095	0095	0093	0085	0080	...	1008·9	6
7	0083	0087	0099	0091	0090	0104	0122	0108	0103	0098	0095	0095	0091	0083	...	1009·4	7
8	0086	0097	0109	0097	0095	0109	0123	0113	0105	0105	0102	0102	0095	0085	...	1009·9	8
9	0096	0104	0114	0102	0097	0115	0124	0117	0108	0108	0103	0104	0095	0085	...	1010·2	9
10	0101	0102	0114	0104	0102	0117	0125	0116	0110	0110	0100	0105	0096	0085	...	1010·3	10
11	0095	0101	0106	0103	0101	0113	0123	0114	0105	0105	0097	0103	0094	0085	...	1010·0	11
Noon	0089	0099	0103	0095	0094	0105	0111	0104	0095	0101	0091	0093	0084	0076	...	1009·3	Noon
13h	0087	0094	0098	0091	0089	0098	0104	0096	0093	0094	0082	0084	0077	0071	...	1008·7	13h
14	0078	0091	0093	0081	0081	0093	0099	0092	0085	0092	0076	0076	0072	0064	...	1008·1	14
15	0073	0092	0090	0081	0080	0092	0097	0090	0084	0090	0080	0075	0071	0064	...	1007·9	15
16	0073	0091	0094	0082	0081	0093	0100	0092	0083	0092	0076	0080	0071	0065	...	1008·0	16
17	0075	0093	0097	0084	0085	0095	0106	0093	0085	0092	0081	0082	0072	0067	...	1008·3	17
18	0082	0094	0104	0087	0089	0103	0113	0094	0093	0094	0084	0086	0076	0072	...	1008·7	18
19	0087	0095	0109	0093	0094	0107	0114	0096	0097	0099	0091	0092	0082	0075	...	1009·2	19
20	0092	0097	0114	0100	0101	0117	0122	0099	0104	0105	0095	0097	0090	0085	...	1009·8	20
21	0088	0098	0120	0103	0104	0125	0123	0104	0105	0111	0102	0098	0093	0093	...	1010·2	21
22	0087	0104	0117	0102	0105	0125	0124	0104	0105	0113	0102	0098	0092	0091	...	1010·2	22
23	0082	0105	0113	0096	0105	0124	0124	0104	0105	0108	0098	0096	0092	0094	...	1010·1	23

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

Hour. \ Day.	APRIL 1925.																															
	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	10	2	4	1	1	2	6	7	9	3	3	2	1	5	2	10	9	10	10	10	9	2	3	1	3	6	7	9	0	0	...	4·9
1h	10	2	6	1	1	1	8	7	9	2	2	1	1	7	3	10	9	10	10	10	9	7	5	1	3	6	8	9	0	0	...	5·3
2	10	1	5	1	2	2	4	8	9	2	1	1	1	8	3	5	10	10	10	10	10	9	4	1	2	4	10	8	0	0	...	5·0
3	10	1	5	1	2	2	2	8	9	2	1	1	1	7	4	9	9	10	10	10	10	6	2	1	2	2	10	8	0	0	...	4·8
4	8	1	6	3	3	2	2	9	10	2	1	1	1	6	3	9	8	10	10	10	8	7	2	1	2	4	8	8	0	1	...	4·9
5	7	1	7	4	4	2	2	7	10	2	2	1	1	6	2	9	8	10	10	9	9	7	6	2	3	5	4	8	0	2	...	5·0
6	9	3	9	4	5	2	3	10	10	2	2	2	1	5	2	9	9	10	10	9	10	8	8	3	4	7	4	8	1	2	...	5·7
7	8	4	9	7	6	2	3	10	8	3	2	2	1	3	2	9	9	10	10	9	9	6	8	3	4	7	7	6	1	1	...	5·6
8	8	5	6	8	6	2	5	10	8	3	2	3	2	4	4	9	9	10	10	8	7	7	4	3	5	6	9	4	1	2	...	5·7
9	7	5	5	9	6	2	7	9	7	5	3	4	2	4	5	8	9	10	10	10	7	6	5	4	5	5	9	5	1	4	...	5·9
10	8	3	3	10	4	5	8	8	8	5	4	5	3	6	5	9	10	10	10	10	7	7	5	4	6	5	5	9	3	6	...	6·4
11	8	3	3	9	3	6	7	8	10	5	4	5	4	6	5	8	10	10	10	10	7	8	3	5	6	6	7	7	4	6	...	6·4
Noon	8	3	5	9	3	6	7	7	10	6	6	5	5	5	5	7	10	10	10	10	6	7	4	5	6	6	7	6	4	7	...	6·5
13h	8	6	5	6	2	5	6	7	10	6	6	7	5	6	5	7	10	10	10	10	6	7	5	6	5	5	7	7	4	7	...	6·5
14	6	6	3	7	3	6	5	8	10	6	5	8	5	6	6	7	10	10	10	7	4	8	3	5	6	5	8	6	3	6	...	6·3
15	7	5	3	8	3	7	5	8	10	6	6	8	5	6	3	9	10	10	10	9	4	8	3	5	7	4	8	6	5	5	...	6·4
16	7	5	3	8	3	6	6	8	9	5	6	8	4	5	4	9	10	10	10	9	4	8	3	6	5	4	6	5	5	5	...	6·2
17	8	6	2	9	3	5	6	7	7	3	6	7	4	5	5	9	10	10	10	9	3	8	4	6	4	3	4	4	4	6	...	5·9
18	9	9	2	9	3	3	6	7	8	8	9	4	4	4	4	9	10	10	10	10	3	9	4	8	3	2	6	4	4	7	...	6·3
19	8	8	2	8	2	3	5	6	8	5	7	3	3	4	6	9	10	10	10	9	2	6	3	6	2	2	5	3	3	5	...	5·4
20	6	6	3	5	3	2	5	5	9	3	4	2	2	3	8	10	10	10	10	9	2	4	2	2	1	8	4	2	3	2	...	4·8
21	2	4	3	2	4	2	5	4	9	2	1	2	1	3	9	8	10	10	10	8	1	4	1	2	1	9	2	1	2	4	...	4·2
22	2	3	2	2	2	3	4	5	9	2	1	1	2	2	8	8	10	10	10	9	3	5	1	3	2	7	4	0	1	2	...	4·1
23	2	4	1	1	2	4	6	7	6	3	2	1	3	2	7	7	10	10	10	8	6	5	1	3	4	6	8	0	0	1	...	4·3

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

Hour* Ending \ Day.	APRIL 1925.																															
	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	...	...	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.			hrs.
6h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	18	15	0	0	21	28	10	0	0	1	27	30	33	28	21	0	0	0	0	5	0	24	15	7	28	5	0	18	30	30	...	6·6
8	60	60	7	8	55	60	54	0	15	50	60	60	60	60	60	30	8	0	0	30	8	60	33	60	55	42	2	53	60	60	...	19·5
9	60	60	60	9	60	60	55	22	60	60	60	60	60	60	60	50	40	0	0	18	59	50	60	60	56	60	10	59	60	60	...	24·1
10	60	60	40	3	60	60	50	30	43	45	60	60	60	60	60	55	52	0	0	8	58	60	60	60	60	60	58	53	60	60	...	24·2
11	56	60	60	7	60	60	59	42	15	60	60	60	60	60	60	45	30	0	0	45	59	58	60	60	60	60	30	55	60	60	...	24·4
Noon	55	60	60	27	60	60	50	55	0	60	60	60	60	60	60	55	20	0	0	2	45	50	60	60	60	60	44	60	60	60	...	23·7
13h	40	58	60	43	60	60	38	44	0	59	60	60	60	60	60	50	0	0	0	1	44	55	60	55	60	60	39	60	60	60	...	22·8
14	45	58	60	50	60	60	60	50	0	60	58	0	60	60	60	53	0	0	0	5	55	50	60	60	60	60	13	60	60	54	...	22·2
15	50	60	60	42	60	52	60	55	0	55	55	36	60	60	60	48	0	0	0	31	60	57	60	60	59	60	6	60	60	60	...	23·1
16	60	56	60	58	60	58	45	30	0	28	60	40	60	60	60	35	0	0	0	10	55	17	58	60	56	60	0	31	60	60	...	20·6
17	59	3	60	16	60	59	47	15	0	60	60	35	60	45	58	10	0	0	0	0	40	0	46	3	44	60	3	17	60	60	...	16·3
18	5	0	36	1	32	30	8	1	0	23	30	37	35	30	28	5	0	0	0	0	26	0	10	0	48	25	0	12	18	29	...	7·8
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 235·3 hours and the total possible sunshine 348·0 hours.

* Reckoned from apparent midnight.

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 1925.

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

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

TABLE XI. (*Contd.*)—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 1925

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
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Midnight	24·4	1·3	23·5	0·5	22·0	0·7	24·0	2·0	23·0	1·0	23·3	1·3	21·0	1·4	22·8	1·3	Midnight
1h	24·3	1·2	23·7	0·7	21·9	0·7	23·9	1·9	23·9	1·7	23·7	1·7	21·3	1·0	22·7	1·3	1h
2	24·3	1·2	23·6	0.6	23·2	1·2	22·5	0·8	23·1	1·1	23·8	1·8	21·4	1·1	22·4	1·1	2
3	24·1	1·0	23·9	0.9	23·2	1·2	23·2	1·3	23·0	0·7	23·8	2·0	20·8	1·2	22·1	1·0	3
4	24·0	1·0	23·2	0.4	22·0	1·5	23·7	2·0	22·5	0·8	23·6	1·9	20·9	1·0	21·9	1·0	4
5	24·0	0·9	23·4	0.5	22·0	0·9	23·7	2·7	22·7	0·7	23·2	1·7	20·4	0·5	21·5	0·8	5
6	24·0	1·1	23·7	0.7	23·2	1·1	23·7	2·7	23·0	1·0	23·0	1·5	21·2	0·7	21·7	0·8	6
7	24·2	1·3	23·8	0.8	23·7	1·4	23·8	2·5	22·8	0·8	23·3	1·6	21·8	0·8	21·9	0·9	7
8	25·0	1·7	23·0	0.6	22·9	1·4	24·9	2·9	24·0	1·7	*24·8*	2·5	24·0	1·7	24·0	1·6	8
9	26·0	2·6	22·9	0.5	23·2	0·5	25·1	2·1	25·2	2·2	25·2	2·7	25·9	3·6	26·0	3·0	9
10	26·5	3·2	24·0	1·0	23·8	1·1	25·4	2·1	*25·3*	2·3	*25·2*	2·8	26·4	3·5	26·2	4·2	10
11	26·7	3·2	24·8	1·7	24·0	1·3	26·0	2·5	*25·4*	2·4	*25·8*	2·9	26·8	4·8	27·3	4·5	11
Noon	27·1	3·8	23·4	1·3	24·6	1·6	26·1	2·8	25·7	2·4	25·0	2·0	27·2	4·7	27·7	4·7	Noon
13h	26·7	3·3	24·0	1·0	24·9	1·5	26·1	2·7	*25·7*	2·7	*26·8*	4·0	27·0	5·2	27·0	4·6	13h
14	26·3	2·6	23·8	1·8	24·9	2·1	26·0	2·9	*26·0*	3·0	25·8	4·2	27·2	4·9	27·3	4·1	14
15	25·9	2·4	22·0	1·7	23·2	1·1	26·0	3·2	26·1	3·4	26·5	5·1	27·0	5·0	26·9	3·6	15
16	24·7	1·1	22·8	0·8	22·4	1·1	25·9	2·9	25·8	3·1	25·4	3·7	26·6	4·5	26·7	3·7	16
17	24·7	1.1	21·2	0·5	22·2	0·5	25·3	2·3	24·7	2·7	24·7	3·6	25·5	3·4	25·1	2·4	17
18	23·2	0·7	22·5	0·5	22·6	0·6	24·1	1·6	24·1	2·1	23·7	2·7	24·3	2·2	24·4	2·0	18
19	23·6	0·7	22·9	1·2	22·7	0·7	23·9	1·2	23·5	1·8	23·0	2·0	23·0	1·7	23·1	1·1	19
20	23·4	0·6	22·8	2·8	23·2	1·1	23·7	1·3	23·0	1·7	22·3	2·0	22·5	1·5	22·9	1·3	20
21	23·7	0·7	23·1	1·6	23·0	1·0	23·1	1·2	22·3	0·9	21·8	1·8	22·3	1·3	22·7	1·2	21
22	23·2	0·5	23·4	2·3	23·5	1·6	23·6	1·6	23·0	1·3	21·0	1·3	23·0	1·6	22·9	1·1	22
23	23·3	0·4	24·3	2·2	23·4	1·5	22·9	1·0	23·0	1·1	20·8	1·0	22·9	1·5	22·2	0·9	23

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

Eye observations in italics.

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

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

APRIL 1925.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	886	914	872	928	887	913	881	919	870	945	891	913	890	914	890	914	Midnight
1h	886	914	867	933	883	917	877	923	864	936	890	915	885	924	886	921	1h
2	887	913	871	929	885	915	878	932	872	942	888	918	889	911	887	919	2
3	900	920	879	932	875	925	878	922	867	933	893	910	889	911	884	924	3
4	900	924	883	925	873	927	864	936	870	946	891	913	889	911	881	928	4
5	895	923	877	923	888	912	870	930	873	927	890	915	887	913	875	937	5
6	887	920	879	921	875	925	868	932	888	931	885	923	890	910	874	939	6
7	880	930	883	917	878	914	883	943	889	929	888	919	890	910	884	940	7
8	874	939	883	941	869	921	884	939	885	938	885	923	882	918	883	926	8
9	866	951	882	945	856	929	881	928	879	950	890	923	900	935	883	943	9
10	865	953	879	952	869	931	883	942	886	967	915	938	907	935	871	943	10
11	863	956	882	943	870	946	872	968	887	965	900	929	894	930	867	949	11
Noon	862	957	887	933	874	940	876	957	880	948	913	934	886	936	864	954	Noon
13h	854	946	886	934	863	937	866	952	900	961	900	933	900	939	880	949	13h
14	857	943	892	940	868	932	860	960	900	953	907	935	910	949	871	971	14
15	868	947	886	934	859	941	857	943	900	952	890	948	886	936	867	950	15
16	868	947	888	931	864	936	877	955	900	946	900	939	900	931	860	952	16
17	871	944	878	922	856	944	871	943	891	943	900	938	883	926	873	941	17
18	881	929	878	922	865	935	876	936	890	924	894	928	885	915	871	943	18
19	887	913	879	914	870	920	871	929	893	916	897	916	892	908	876	936	19
20	895	905	880	930	883	926	883	926	890	925	896	921	885	915	876	936	20
21	896	904	877	923	884	924	883	926	892	920	890	924	888	912	879	932	21
22	895	905	882	918	883	925	883	926	888	930	888	918	888	912	882	927	22
23	878	922	887	913	887	919	872	941	894	915	886	921	887	919	883	926	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	883	926	889	917	897	905	890	910	889	911	890	915	888	919	891	942	Midnight
1h	876	936	890	915	890	914	888	912	887	913	882	918	888	919	894	927	1h
2	880	948	890	914	891	912	889	911	895	905	887	920	890	915	883	941	2
3	873	941	890	915	889	917	888	912	891	909	885	915	890	915	900	931	3
4	882	944	890	914	891	913	887	913	892	908	885	915	889	916	881	946	4
5	881	946	889	917	891	913	892	908	891	909	884	916	888	918	893	934	5
6	900	956	889	916	892	911	889	911	893	907	888	918	883	917	888	930	6
7	879	932	888	918	895	907	889	911	894	906	886	922	883	917	885	938	7
8	889	929	888	918	896	906	895	905	892	908	884	940	879	932	885	937	8
9	892	941	894	930	890	915	895	905	883	925	892	937	877	935	890	951	9
10	864	936	900	932	896	918	900	911	887	933	900	950	875	937	890	948	10
11	884	940	900	946	904	921	900	911	900	940	882	945	864	955	888	960	11
Noon	932	932	900	938	888	919	903	915	908	938	882	945	869	946	882	945	Noon
13h	916	916	900	942	908	911	900	911	900	938	882	945	871	943	900	953	13h
14	900	934	900	943	873	882	887	868	907	935	891	946	876	958	887	963	14
15	892	937	900	942	892	862	881	871	900	941	891	946	880	948	887	963	15
16	872	942	878	932	895	875	881	896	888	931	885	938	881	947	900	943	16
17	884	939	900	945	897	886	892	908	890	925	883	941	882	943	900	944	17
18	880	930	889	929	899	894	900	911	887	919	889	926	877	934	900	948	18
19	877	934	892	920	893	909	900	912	891	912	885	923	877	935	900	933	19
20	886	934	891	922	892	908	896	918	892	911	891	921	873	941	882	927	20
21	879	932	890	915	894	906	888	918	891	912	892	920	907	934	893	935	21
22	879	932	891	913	895	905	881	919	889	917	892	920	885	937	892	940	22
23	887	919	893	910	892	908	886	914	890	914	889	916	889	952	900	934	23

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

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

APRIL 1925.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	900	927	880	949	917	941	900	926	887	933	900	934	900	912	889	916	Midnight
1h	900	931	879	950	903	916	893	932	900	935	900	932	900	918	888	919	1h
2	900	929	883	941	908	940	887	932	909	943	900	938	900	922	888	918	2
3	900	928	891	946	907	932	891	943	911	954	900	942	900	914	893	910	3
4	900	927	890	950	909	942	900	950	900	939	891	943	900	918	892	911	4
5	900	936	900	935	918	918	900	957	908	937	893	932	900	917	893	910	5
6	892	939	917	941	900	927	900	942	900	932	894	930	900	915	890	914	6
7	890	951	915	938	900	931	900	946	900	934	894	929	900	911	888	919	7
8	890	947	914	935	895	926	909	942	900	935	893	934	900	917	887	919	8
9	886	967	911	929	906	927	909	946	900	945	916	940	914	934	887	933	9
10	900	961	918	944	914	935	917	943	913	964	912	960	916	939	892	938	10
11	886	968	910	948	900	944	918	945	910	949	913	966	915	937	892	939	11
Noon	900	965	926	963	900	929	917	943	900	948	913	962	908	941	877	934	Noon
13h	886	972	919	946	910	923	910	949	922	954	900	960	906	931	886	935	13h
14	869	946	917	943	906	928	917	942	924	957	913	964	906	928	883	941	14
15	876	936	924	957	913	932	909	943	911	954	925	961	905	926	883	941	15
16	873	941	918	945	892	939	908	941	900	947	908	939	890	923	884	940	16
17	869	931	900	955	900	922	900	940	900	947	900	938	893	916	873	927	17
18	878	922	900	939	914	903	894	927	900	935	900	916	896	910	894	931	18
19	879	921	912	957	900	920	879	931	900	930	900	914	895	911	885	923	19
20	868	932	900	953	900	935	900	936	900	923	900	918	895	911	885	924	20
21	852	948	900	947	900	946	886	935	900	924	900	908	892	919	886	922	21
22	857	943	900	935	900	935	900	950	900	929	900	917	884	924	885	924	22
23	864	936	907	936	892	940	887	934	900	936	900	922	882	927	886	922	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		...		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	...	...	N.	E.	
Midnight	900	919	893	910	892	908	889	926	889	916	896	919	...	...	891	921	Midnight
1h	900	922	891	912	892	908	893	916	889	916	896	921	...	...	888	922	1h
2	897	914	887	919	897	916	896	921	889	917	896	919	..	...	890	924	2
3	896	920	884	916	897	914	892	920	888	919	897	915	...	...	890	923	3
4	894	931	887	913	890	915	890	923	890	914	897	916	...	...	889	926	4
5	889	926	887	913	894	906	890	925	891	913	897	916	...	...	891	923	5
6	890	925	896	918	888	912	896	910	891	913	894	913	...	...	891	923	6
7	894	929	896	919	888	918	893	916	892	911	894	914	...	...	891	924	7
8	900	932	891	921	896	921	892	920	890	914	890	915	...	...	890	926	8
9	910	949	892	940	890	914	908	937	900	926	889	928	...	...	892	935	9
10	887	963	900	954	900	927	888	931	900	930	905	926	...	...	895	941	10
11	900	960	900	950	906	927	900	936	900	931	908	937	...	...	894	945	11
Noon	900	960	900	943	905	923	908	939	894	928	905	923	...	...	895	941	Noon
13h	900	964	890	951	905	923	900	931	893	932	906	929	...	...	895	940	13h
14	900	950	882	943	905	925	900	931	908	938	907	934	...	..	894	939	14
15	900	950	891	943	903	917	885	938	900	939	904	921	...	...	892	937	15
16	892	940	885	938	903	914	889	929	892	938	905	922	...	...	889	934	16
17	886	934	887	933	893	909	887	933	900	934	910	925	...	...	888	932	17
18	894	915	893	915	896	906	894	914	896	918	902	908	...	...	890	923	18
19	897	906	892	919	890	910	897	907	897	917	902	910	...	...	890	920	19
20	895	911	889	917	888	912	892	918	896	918	901	907	...	...	890	923	20
21	895	911	885	924	885	915	890	915	895	924	902	911	...	...	890	923	21
22	895	911	885	924	883	917	890	914	893	932	901	907	...	...	889	923	22
23	893	916	890	910	881	912	890	914	895	922	903	913	...	...	889	923	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during APRIL 1925.

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

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 1925.

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	4	2·0	4	4·0	4	1·9	4	2·7	5	5·4	5	1·6	5	1·7	5	1·7	5	3·1	5	2·0	5	0·6	4	1·4	4	1·6	5	1·8	5	2·2	7	4·3
1h	4	2·0	4	4·7	4	2·4	4	3·3	4	5·1	5	1·8	5	2·8	5	2·5	5	4·3	5	1·8	5	1·7	4	1·7	4	1·8	4	2·6	5	2·2	7	2·8
2	4	1·9	4	4·2	4	2·1	5	3·9	5	5·1	5	2·1	4	1·6	5	2·3	6	5·2	5	1·7	5	1·5	4	1·5	4	0·7	5	2·4	5	1·8	6	4·4
3	8	2·0	5	3·8	4	3·5	4	3·1	4	4·7	5	1·2	4	1·6	5	2·9	5	4·9	5	1·8	5	2·0	4	1·7	4	1·3	4	2·2	5	1·8	8	3·1
4	8	2·4	5	3·0	4	3·8	4	5·2	5	5·5	5	1·6	4	1·5	5	3·4	6	4·8	5	1·7	5	1·6	4	1·8	4	1·2	4	2·2	5	1·9	6	5·0
5	7	2·4	4	3·3	4	1·7	4	4·3	4	3·9	5	1·8	4	1·8	5	4·5	6	5·0	5	2·0	5	1·6	4	1·1	4	1·3	4	2·3	5	2·1	7	3·5
6	5	2·4	4	3·0	4	3·6	4	4·6	6	3·3	5	2·7	4	1·4	5	4·7	8	5·6	5	1·9	5	1·4	4	1·5	4	1·0	5	2·1	4	2·4	6	3·2
7	5	3·6	4	2·4	3	2·6	6	4·6	6	3·1	5	2·2	4	1·4	6	4·3	5	3·8	5	2·1	5	0·9	4	1·6	4	0·8	5	2·6	4	2·4	6	4·1
8	5	4·7	6	4·4	3	3·7	6	4·2	6	4·1	5	2·7	4	2·5	5	3·1	6	3·1	5	2·1	5	0·7	4	0·7	4	1·1	6	4·3	5	3·8	6	4·0
9	5	6·1	6	4·9	3	5·3	5	3·4	6	5·4	6	2·5	8	3·5	6	4·6	7	4·2	7	3·1	5	1·8	4	0·7	5	3·0	7	3·8	5	4·2	7	5·2
10	5	6·4	6	5·6	4	4·4	6	4·5	7	6·8	10	4·1	9	3·6	5	5·2	4	5·2	8	3·2	7	1·8	8	1·1	6	3·5	8	5·0	5	4·5	7	4·9
11	5	6·7	6	4·7	5	5·5	6	7·4	7	6·6	8	2·9	7	3·1	5	5·9	6	4·3	8	4·6	9	2·2	8	1·1	8	4·0	6	4·9	5	6·6	7	6·1
Noon	5	6·9	6	3·5	5	4·8	6	6·2	6	5·2	10	3·6	6	3·9	5	6·5	12	4·5	8	3·8	5	2·2	9	1·5	9	3·9	6	4·9	5	5·6	6	4·9
13h	4	6·5	6	3·7	4	5·3	5	6·2	8	6·1	8	3·3	8	3·9	6	5·3	12	2·3	8	4·2	11	1·4	8	1·1	8	3·8	6	4·9	5	5·2	8	5·3
14	4	6·1	7	4·1	4	4·6	5	7·2	8	5·3	9	3·6	9	5·0	6	7·7	8	3·4	8	4·3	r29	3·2	r26	3·4	9	3·6	7	4·7	6	6·3	7	6·4
15	5	5·7	6	3·7	4	5·8	4	6·2	8	5·2	7	4·9	6	3·9	5	6·0	7	3·8	8	4·2	25	3·9	27	3·5	8	4·1	7	4·7	6	5·2	7	6·4
16	5	5·7	6	3·3	4	5·1	6	6·0	8	4·6	8	3·9	8	3·1	5	6·2	5	5·1	5	3·9	25	2·6	31	1·9	6	3·3	6	4·1	6	5·1	8	4·3
17	5	5·3	4	3·1	4	6·3	5	5·2	7	4·4	8	3·8	5	3·1	5	4·9	6	4·2	8	4·5	25	1·4	d 4	1·2	6	2·7	6	4·4	6	4·7	8	4·4
18	5	3·5	4	3·2	4	5·0	5	4·4	6	2·6	7	2·9	4	2·1	5	5·2	5	3·6	6	3·1	25	0·6	8	1·1	5	2·3	6	2·8	5	4·1	8	4·8
19	4	1·8	3	2·5	3	3·6	4	4·2	6	1·8	7	1·6	4	1·2	5	4·4	5	4·1	6	2·2	d 5	1·1	8	1·2	5	1·5	5	2·7	5	4·2	8	3·3
20	4	0·7	5	3·6	5	3·1	5	3·1	6	2·7	7	2·2	4	2·1	5	4·4	6	3·7	6	2·4	4	1·2	7	1·8	5	1·4	6	2·3	5	4·9	5	3·3
21	4	0·6	4	3·3	5	2·9	5	3·1	6	2·2	6	2·6	4	1·7	5	3·8	5	3·8	5	1·8	4	0·8	5	2·1	5	1·5	6	2·2	9	3·5	7	3·6
22	4	0·7	4	2·5	5	3·0	5	3·1	6	3·2	5	2·1	4	1·7	5	3·2	5	3·8	5	1·6	4	0·7	4	2·7	5	2·0	6	2·2	6	4·0	7	4·1
23	4	3·2	4	1·8	5	2·3	5	5·0	6	1·6	5	2·5	5	2·3	5	3·1	5	2·3	5	1·2	4	1·1	4	2·0	5	1·7	5	1·9	7	5·3	8	3·4

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

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for APRIL, 1925.

Hour Ending \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	...
1h	...	...	...	...	...	...	...	0·8	2·0	...	...	...	...	...	...	0·1	...	...	5.9	...	...	...	...	...	...	...	..	1·0	...	...	..
2	...	...	...	...	..	...	..	...	0·4	...	..	...	..	...	...	0·2	0·2	0·3	0·9	0·2	1·5	...	...	...	...	...	...	0·4	..	...	...
3	...	..	...	...	...	...	..	...	0·3	...	...	...	.	...	...	0·2	0·2	...	...	...	6·2	...	...	...	..	0·2	5·0	0·1	...	...	...
4	...	...	...	...	...	...	...	5·5	0·2	...	...	...	...	0·5	...	0·3	0·9	1·2	..	...	3·8	...	...	...	...	0·3	2·4	...	...	..	...
5	...	...	..	0·3	...	...	...	...	3·8	...	..	..	...	...	...	...	0·5	6·0	0·9	...	5·0	...	...	...	...	...	...	...	...	...	...
6	...	...	..	...	...	.	...	5·8	1·9	...	...	...	..	...	...	..	...	10·5	0·3	...	5·8	0·2	...	...	...	...	...	...	...	..	...
7	...	...	..	...	...	...	...	3·2	0·2	...	...	...	...	0·2	...	...	...	0·5	...	...	0·4	.	..	...	.	0·6	0·2	0·2	...	...	...
8	...	...	...	...	...	...	...	1·0	...	...	...	...	...	..	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	..	...	...	...	...	1·1	...	...	...	...	...	...	...	...	...	2·0	0·7	0·2	...	...	..	...	...	...	0·5	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	41·0	...	2·8	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	1·7	...	...	0·4	...	5·0	...	...	...	..	...	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	..	...	...	...	15·0	...	...	...	...	...	...	...	...	3·2	...	...	...	...	...	...	...	...	..	...	...	...	...
13h	...	...	...	0·5	...	...	...	...	30·0	...	...	...	...	...	...	...	..	1·0	...	0·2	...	...	..	..	...	...	...	...	...	...	...
14	...	...	...	...	...	...	..	...	2·3	...	...	...	...	...	...	0·1	...	0·2	...	0·3	...	...	..	...	...	...	...	...	...	...	...
15	...	...	..	...	...	...	...	...	1·4	..	...	...	...	...	...	0·2	...	0·6	...	...	...	...	...	...	..	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	1.5	1·0	0·2	0·3	...	...	...	...	..	..	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·4	4·9	0·4	2·6	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	0·2	...	..	...	...	...	0·6	1·0	1·2	12·1	...	...	...	...	...	0·4	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	0·2	0·2	1·0	8·4	0·2	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	1·7	...	...	...	...	.	...	...	...	...	...	...	...
21	...	...	...	...	...	...	0·2	...	...	...	..	...	...	...	1·2	1·0	0·4	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	..	...	...	...	...	...	..	..	...	...	...	...
23	...	...	...	...	...	...	...	...	...	..	...	...	...	...	13·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·6	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of APRIL 1925.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	9·70	246·4	124·2	15
	3	Belmont	50	10·78	273·2	126·5	14
	4	Poudre d'Or	20	10·91	277.1	121·2	14
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	8·38	212·7	146·3	17
	9	Beau Séjour	300	10·44	265·2	187·7	20
	10	Mont Piton	360	9·39	238·5	188·2	14
	11	Mon Choix	700	10·08	256·0	170·7	15
	12	Antoinette	640	12·59	319·8	183·1	21
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	13·40	340·3	201·4	19
	15	Mon Songe	620	9·53	242·1	194·1	15
	16	La Grande Rosalie§ ...	643	..	...	...	...
	17	The Mount§	325	8·89	225·8	156·5	15
	18	Botanic Gardens ..	325	8.64	219·5	142·5	20
	19	The Observatory ...	179	10·35	263·1	116·3	18
	20	Solitude	175	8·95	227·3	78·5	13
	21	St. André	90	9·75	247·6	125·7	15
	22	Belle Vue Harel§ ...	350	8·04	204·2	...	12
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	11·64	295·6	...	15
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station* ...	137	...	...	...	...
	48	Mapou Station* ...	296	9·67	245·5	...	8
	49	Poudre d'Or Station§ ...	772	5·16	131·0	...	6
	50	Rivière du Rempart* ...	134	...	...	...	...
2 & 3	1	Union Régnard S.E. ...	600	12·85	326.4	192·5	20
	2	Constance d'Arifat L.G.	100	...	...	...	...
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	12·99	329·9	214·9	20
	5	Constance (Manès)§ ...	..	...	...	...	...
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	9·90	251·5	...	15
	10	St. Julien E(K. Reetoo)*	...	14·57	370·0	...	16
4	1	Sans Souci	900	...	...	...	...
	2	Etoile§	400	16·39	416·3	282·2	16
	3	Beau Champ§	20	13·08	332·2	139·4	14
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	16·12	409.4	176·3	16
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose *	...	...	...	...	...
	9	Bonne Veine*	...	18·00	457·1	...	25
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	4·43	112·0	247·6	13
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	...	..	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	25·13	638·3	342·6	23
	2	Tivoli*	1,300	21·56	547·6	...	21
	3	La Flora*	1,050	24·21	614·9	...	21
	4	Britannia	730	11·73	297·9	288 8	21
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold§	900	...	...	...	...
	10	Terracine§	100	...	...		...
	11	St. Félix S.E.§	...	...	...	.	...
	12	Bel Air§	...	...	...	..	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	9 87	250·7	...	14
	15	Fontenelle*	...	8·99	228·3	...	12
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	..	...	...
7, 8 & 9	1	Bel Ombre*	40	5·38	136·6	191·0	12
	3	Beau Champ*	...	5·35	135·9	..	12
	4	Board*	...	6·24	158·5	...	12
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	16·55	420·3	274·8	24
	3	Mare aux Vacoas ...	1,850	27·18	690.4	337·3	22
	4	La Marie Filter Bed ...	1,700	23.14	587·7	177·0	21
	5	Réunion	1,420	10·06	255·5	186·9	19
12	1	The Manse	850	6·46	164·1	84·1	17
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	7·77	197·3	106·9	29
	4	Alma§	1,460	13·29	337·6	297·4	23
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	...	...	...	...
	7	Trianon	950	5·73	145·5	134·9	14
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	5·05	128·3	...	14
	10	Bon Air§	1,050	...	...	..	...
	11	Val Ory	1,100	8·56	217·4	...	24
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	..
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or§	1,178	299·2	...	...	16
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	6·10	155·0	...	6

* Normals not available. § Record not Received.

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·55 metres above SEA LEVEL during the month of APRIL 1925.

Day. \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum: Alto St:		Cirro Cum		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
	h	°		°		°		°		°				h	°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	12	90	0·6	105	0·2	...	...	...	...	...	...	...	...	15	...	...	...	...	135	0·8	75	0·2	...	...	...	...
3	12	...	...	...	...	90	0·2	360	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	10	...	...	135	1·0	...	...	...	...	...	...	...	...	17	...	...	...	...	...	...	...	...	...	...	60	0·3
6	7½	...	...	...	...	...	...	...	...	...	...	6·0	0·3	10	255	1·4	285	0·8	...	...	...	...	...	...	...	...
7	7	...	...	255	0·6	...	...	...	...	...	...	...	...	16–17	...	...	330	0·3	285	0·3	270	0·5	...	...	...	...
8	6½	...	...	...	...	...	...	120	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	12	...	...	285	1·0	...	...	...	...	...	...	...	...	17½	...	...	330	0·9	...	...	...	...	...	...	...	...
11	9½	300	1·1	270	0·9	...	...	...	...	...	...	...	...	12	...	...	360	0·2	...	...	...	...	...	...	...	...
12	10	...	...	330	0·5	...	...	...	...	...	...	...	...	16	...	...	...	...	...	...	...	...	...	...	90	0·3
13	10	...	...	255	0·2	...	...	...	...	...	...	...	...	16	...	...	255	0·7	...	...	...	...	...	...	...	...
14	7¼	...	...	...	...	...	...	...	...	...	...	7·5	2·3	10	...	...	300	2·5	...	...	...	...	...	...	...	...
15	10¼	...	...	300	1·3	...	...	...	...	...	...	...	...	12¼	270	1·6	285	1·3	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	7¼	...	...	255	0·2	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	300	0·1	...	...	...	...
22	10	...	...	240	0.7	...	...	...	...	...	...	...	...	17¼	270	1·7	285	1·0	...	...	...	...	...	...	...	...
23	12	...	...	255	0·9	...	...	...	...	...	...	...	...	15	...	...	...	...	...	...	...	...	...	...	180	0·6
24	12	...	...	210	0·4	...	...	...	...	...	...	...	...	17	...	...	...	...	240	0·1	...	...	...	...	...	...
25	7	...	...	270	1·4	...	...	...	...	...	...	...	...	12	...	...	300	1·3	...	...	...	...	...	...	...	...
26	10	...	...	300	0·6	...	...	...	...	...	...	...	...	13¾	...	...	255	0·8	270	1·1	...	...	...	...	60	0·1
27	7	...	...	...	...	345	0·1	...	...	...	...	...	...	17¼	...	...	285	0·1	...	...	...	...	...	...	...	...
28	7¾	...	...	...	...	300	0·1	...	...	...	...	7·5	0·1	16¼	...	...	...	...	...	...	60	0·1	...	...	...	...
29	11	...	...	300	0·7	...	...	...	...	...	...	...	...	11½	...	...	285	0·6	...	...	...	...	...	...	...	...
30	10	270	1·0	255	0·6	...	...	...	...	...	...	...	...	15¼	300	0·4	300	0·2	75	0·2	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

NEW SERIES (MONTHLY). VOL. XI. 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 1925

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

DIRECTOR.

Published by Authority of His Excellency the Governor

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NOTE—For purposes of upper air investigation the directions of the wind in Table VI and of the clouds in Table XVI now refer to directions from South through West to North and East. The directions in Table VII still refer to directions from South through East and will not be altered until January, 1926.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of MAY 1925

Month and Day. 1925	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
					Unit 1 γ	
MAY	° ′			′		
1	11. 7·6	·22911	·29881	4·2	21	15
2	11. 8·3	922	882	5·2	28	14
3	11. 8·6	929	883	4·4	29	8
4	11. 7·6	896	887	4·8	139	17
5	11. 6·7	889	889	4·0	36	7
6	11. 8·1	899	888	4·8	20	10
7	11. 8·0	903	885	4·4	27	19
8	11. 8·0	903	884	6·0	29	22
9	11. 7·7	902	882	6·0	38	20
10	11. 9·2	901	884	5·8	29	21
11	11. 8·5	898	880	7·8	17	23
12	11. 7·5	900	882	7 4	11	20
13	11. 7·3	901	880	6·4	11	14
14	11. 8·0	904	879	7·0	16	19
15	11. 7·5	908	876	7·4	20	16
16	11. 8·0	910	879	6·6	26	17
17	11. 7·9	916	877	7·6	28	18
18	11. 7·9	918	873	6·8	32	20
19	11. 7·9	887	876	5·0	38	16
20	11. 7·7	898	87:	3·4	26	21
21	11. 8·4	906	868	5·8	22	28
22	11. 8·1	905	864	3·6	30	20
23	11. 8·5	913	867	4·0	35	10
24	11. 8·6	918	863	4·4	49	21
25	11. 8·6	902	863	4·8	25	15
26	11. 8·6	904	864	4·4	16	14
27	11. 8·4	903	862	5·8	56	23
28	11. 8·3	888	862	6·0	35	18
29	11. 8·5	895	860	4·6	18	15
30	11. 8·5	900	860	6·0	32	18
31	11· 8·4	886	862	3·8	33	12
Mean	11· 8·09	·22904	·29875	5·43	31·4	17·2

T=0·37645 : Mean Dip=θ=52°.31′·47. (X=·22473 : Y=−·04424 : Z=·29875).

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

Description of the Principal Magnetic disturbances.

The following notes give a brief description of the principal magnetic disturbances The movements in Horizontal Force and Vertical force are expressed in C.G.S. units.

The term "wave" indicates a movement in one direction and return ; "double wave," a movement in one direction and return with continuation in the opposite direction and return ; "oscillations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and —denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

MAY 1925.

d h m	
3. 19 20	Sudden increase in H.F. (6γ).
4. 2 20	Sudden increase in H.F. (10γ), followed by irregular increase (22γ) till 8h, when a steady decrease set in (114γ) lasting till 14½h, with a superposed negative wave (20γ) 9¼h to 11¾h 4d. 18½h to 21h wave in H.F. (−50γ) followed by a steady increase of force (55γ) till 5d. 10h. Small superposed undulations occurred throughout and lasted till 6d. 7h. In Dec. and V.F. Small undulations.
d h to d h	
9 22 to 10. 0	Wave in H.F. (+ 20γ).
30. 21¾ to 23.	Wave in H.F. (+ 30γ), in Dec. (+ 3.′8), in V.F.(+ 10γ.)

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of MAY 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South). A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
MAY 1.11.32	11. 8·65	MAY 9. 9·43	·22910	MAY 1.11·11	52.30·50	0 ·29873	MAY 1.13.41	52.31·50	0 ·29880
.13.26	11. 8·39	12·32	·22919	7. 9.12	52.32·11	0 ·29892	7.13.45	52.30·78	0 ·29870
8.11. 9	11. 8·41	19. 9·26	·22902	...	...	..	15.13.44	52.30·50	0 ·29870
.13.40	11. 5·83	13· 3	·22887	22. 9·14	52.30·15	0 ·29872	22.13.41	52.29·41	0 ·29847
15. 9.11	11.10·40	26. 9·15	·22899	28· 8·55	52.30·69	0· 29859			
.13·29	11. 6·03	13·27	·22924	29.11·41	52·31·06	0· 29866			
22· 8·50	11. 9·09								
13·27	11· 5·77								
28· 8·44	11· 6·65								
13·30	11· 6·69								

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

MAY 1925.

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	11° +																
Midnight	8·2	8·0	8·4	8·0	8·4	8·8	8·6	8·6	8·6	8·6	8·8	9·0	9·0	8·8	9·4	8·3	Midnight
1h	8·2	8·0	8·2	8·0	8·4	9·0	8·4	8·6	8·4	8·4	8·6	10·0	8·6	8·6	9·2	8·3	1h
2	8·0	8·0	8·4	8·0	8·2	8·6	8·4	9·0	8·6	8·4	8·4	9·8	8·4	8·0	8·8	8·2	2
3	8·0	8·0	9·4	7·8	8·2	8·6	8·4	9·2	8·4	8·6	8·8	9·6	8·2	8·6	8·0	8·1	3
4	7·8	8·0	9·0	7·8	8·2	8·6	8·6	9·8	9·0	8·4	8·4	10·0	8·0	8·0	6·4	8·1	4
5	7·4	8·0	8·6	8·0	8·0	8·6	8·8	9·4	8·8	8·6	8·4	9·0	8·4	6·4	8·0	8·0	5
6	6·8	7·8	6·8	7·8	8·0	8·0	8·4	8·6	8·8	8·2	8·4	8·4	8·6	7·6	8·4	7·8	6
7	5·8	7·0	6·0	6·4	7·8	7·0	7·2	7·4	8·0	7·8	8·0	5·0	8·0	6·0	7·4	7·1	7
8	6·8	8·0	7·8	7·4	8·6	7·8	8·0	8·0	9·4	8·0	8·8	4·0	8·0	7·6	6·2	8·1	8
9	10·0	10·0	8·8	8·6	10·8	9·6	9·4	9·8	10·0	8·8	10·0	7·6	8·8	9·8	7·4	9·9	9
10	11·6	11·4	10·0	9·4	11·8	10·0	10·0	10·6	10·6	10·0	10·2	8·8	10·0	10·0	7·6	10·6	10
11	11·2	10·0	8·8	8·2	10·6	8·6	10·0	10·4	10·8	10·4	10·4	9·4	10·4	9·4	8·4	9·7	11
Noon	10·0	8·4	7·4	7·6	8·2	8·0	8·4	8·8	10·0	10·0	10·0	8·2	9·6	8·2	8·0	8·3	Noon
13h	8·2	8·2	6·8	6·4	7·4	6·4	8·0	7·0	8·0	8·2	7·0	7·8	8·4	7·8	7·8	7·3	13h
14	7·2	6·6	5·8	6·0	6·2	6·6	6·6	6·2	7·2	6·2	5·6	6·0	6·4	6·8	7·8	6·4	14
15	6·0	6·0	5·0	6·0	6·0	6·6	6·0	6·2	6·0	6·0	4·6	6·2	5·8	6·2	7·4	5·8	15
16	4·0	4·6	5·4	6·4	6·6	7·0	7·0	7·2	6·0	6·0	5·8	6·6	6·0	7·4	7·8	6·0	16
17	5·8	6·0	6·2	7·6	8·0	7·6	8·0	8·4	7·4	7·6	7·4	8·0	7·6	8·4	9·0	7·2	17
18	7·8	7·6	7·8	8·4	8·6	8·0	9·0	9·4	8·6	8·8	8·6	9·4	8·6	9·8	9·6	8·3	18
19	8·0	7·8	8·8	8·8	8·8	8·4	9·4	9·4	8·8	9·4	9·4	9·4	9·0	10·0	9·8	8·6	19
20	8·0	8·0	9·2	8·6	9·0	8·4	9·4	9·0	9·0	9·8	9·2	9·6	9·4	10·0	10·0	8·6	20
21	8·0	8·0	9·0	8·4	9·0	8·2	9·2	9·0	9·0	9·8	9·0	9·2	9·8	9·8	10·0	8·6	21
22	8·0	8·0	9·4	8·0	8·8	8·2	9·0	8·4	8·8	9·4	8·8	9·2	9·6	12·0	9·4	8·6	22
23	8·0	8·0	9·4	7·8	8·6	8·2	8·8	8·2	8·6	9·8	9·8	9·0	9·2	9·4	9·4	8·4	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 1925.

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	907	915	922	927	872	894	899	902	897	890	899	899	900	899	909	910	Midnight
1h	907	915	921	927	878	895	903	900	900	892	898	899	900	898	909	910	1h
2	907	916	920	926	885	895	900	900	900	893	898	899	900	899	910	910	2
3	911	917	920	934	890	897	900	900	903	900	899	900	900	900	910	910	3
4	912	918	921	930	885	898	901	905	904	900	899	900	900	902	910	911	4
5	913	919	923	938	893	899	902	906	905	900	899	902	902	904	910	912	5
6	918	920	925	930	892	897	903	907	909	900	900	903	903	908	912	913	6
7	920	925	929	948	894	898	902	905	912	906	902	905	907	910	913	916	7
8	921	928	933	959	900	899	901	910	917	910	902	904	908	911	911	917	8
9	920	930	940	950	893	902	907	913	916	915	901	900	906	911	910	917	9
10	917	932	945	930	907	908	905	910	918	919	900	898	903	910	895	914	10
11	915	938	949	915	906	913	915	919	914	917	905	900	900	908	895	919	11
Noon	913	939	947	919	900	912	920	920	910	918	907	903	899	902	900	917	Noon
13h	909	930	939	890	900	906	915	908	909	910	900	903	897	896	915	908	13h
14	902	920	934	858	880	900	909	899	907	900	893	906	899	895	911	897	14
15	901	915	927	849	878	900	901	900	904	897	891	900	899	896	906	893	15
16	900	911	922	852	876	893	893	897	900	894	890	895	897	898	900	897	16
17	905	914	921	850	871	893	895	891	897	893	895	896	898	899	905	902	17
18	910	918	922	858	877	895	899	898	892	897	898	899	900	901	910	909	18
19	912	918	921	825	879	897	898	899	890	894	899	900	902	903	910	910	19
20	912	919	927	820	883	898	898	899	888	895	898	900	901	907	911	910	20
21	914	919	925	851	894	898	899	898	887	893	897	900	901	909	910	909	21
22	913	919	924	869	891	893	905	894	880	893	897	900	900	908	910	910	22
23	912	920	925	875	897	895	904	894	900	894	896	899	900	909	910	907	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	909	917	900	884	900	902	899	900	909	900	893	880	884	897	880	899·8	Midnight
1h	910	919	898	885	903	901	901	901	907	900	900	878	886	897	890	900·9	1h
2	910	919	893	890	904	902	903	903	909	900	902	879	887	900	889	901·5	2
3	913	920	898	891	904	906	907	902	917	900	904	880	888	901	885	903·5	3
4	915	920	899	892	905	908	909	903	909	902	907	893	892	890	890	904·2	4
5	917	922	893	894	906	908	910	907	908	902	910	895	893	907	900	906·4	5
6	920	922	900	897	908	910	913	910	910	903	913	892	893	901	892	907·2	6
7	923	923	906	901	910	917	919	918	910	906	920	892	896	910	896	910·9	7
8	929	928	901	908	910	918	924	925	907	907	928	913	900	910	901	914·2	8
9	925	935	901	907	911	919	927	932	901	910	934	901	900	910	880	913·7	9
10	920	935	894	902	913	920	932	940	900	910	930	898	900	909	877	912·6	10
11	920	934	892	907	920	920	933	947	898	914	920	887	902	907	883	913·3	11
Noon	919	922	891	910	920	920	929	949	899	910	902	890	901	906	902	912·8	Noon
13h	910	920	890	903	913	910	915	940	896	907	894	888	895	912	899	907·3	13h
14	901	920	882	900	910	902	915	939	895	910	897	886	890	910	890	901·8	14
15	905	915	872	894	903	899	910	927	894	907	900	880	890	907	890	898·4	15
16	910	910	868	890	900	892	909	915	892	900	900	880	892	900	881	895·3	16
17	917	909	869	897	899	890	910	907	895	900	903	885	893	892	880	895·8	17
18	919	910	870	900	900	890	912	909	898	907	901	890	897	892	882	898·7	18
19	919	910	875	900	900	897	911	910	897	904	896	888	897	898	877	897·9	19
20	919	910	875	900	898	897	910	910	897	903	890	887	898	892	869	897·5	20
21	920	909	876	899	898	896	907	912	900	900	879	882	900	880	870	897·5	21
22	920	908	873	888	901	896	901	911	899	898	878	880	900	891	879	898·2	22
23	918	903	879	899	901	895	898	912	900	898	879	887	900	880	880	898·9	23

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

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

MAY 1925.

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	887	883	883	882	890	889	888	886	885	886	885	882	883	881	880	879	Midnight
1h	887	883	883	882	890	887	886	885	884	884	884	882	882	881	880	878	1h
2	887	883	883	882	888	887	886	885	883	883	883	882	881	881	880	878	2
3	886	882	883	882	888	887	886	885	882	882	883	881	880	881	880	878	3
4	884	882	883	882	889	887	887	885	882	883	882	881	880	880	880	878	4
5	883	882	883	882	888	888	887	886	882	883	883	881	880	880	880	878	5
6	883	882	882	882	888	889	888	887	883	883	883	881	880	880	880	878	6
7	882	882	882	882	888	889	888	887	884	884	884	881	878	879	879	876	7
8	884	883	884	886	891	892	890	891	888	892	888	886	882	882	880	879	8
9	886	884	887	892	892	893	890	892	890	895	891	889	885	886	880	884	9
10	883	883	887	892	891	891	887	888	890	890	887	889	886	887	874	889	10
11	877	878	881	886	887	881	877	876	882	882	877	887	882	883	869	882	11
Noon	873	873	879	882	889	880	871	870	873	876	870	882	876	877	866	876	Noon
13h	876	878	879	884	888	881	875	872	871	876	870	882	874	873	865	873	13h
14	876	882	880	884	886	882	876	873	872	876	869	874	872	872	864	872	14
15	872	883	881	887	885	884	877	875	870	874	868	869	872	868	869	874	15
16	875	883	882	889	889	887	882	878	874	876	870	872	876	869	869	876	16
17	879	884	885	892	892	889	886	884	880	882	876	879	880	875	875	880	17
18	882	887	886	893	892	891	889	888	883	883	881	882	882	879	880	882	18
19	882	887	885	891	892	891	890	889	886	886	882	882	882	880	880	882	19
20	882	885	883	899	891	900	890	889	888	887	883	883	882	881	880	881	20
21	882	884	882	893	891	900	889	889	888	888	884	883	883	881	880	880	21
22	882	883	882	893	889	889	889	889	888	888	885	883	883	881	880	880	22
23	882	883	882	892	889	889	886	888	888	887	884	883	882	881	880	879	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	879	875	876	875	870	869	867	867	865	866	866	868	865	860	862	876·7	Midnight
1h	879	875	876	874	870	868	866	867	864	866	865	868	864	860	862	876·2	1h
2	879	875	876	874	870	868	864	866	864	865	864	866	864	860	862	875·8	2
3	879	875	878	874	870	867	864	866	864	864	863	864	864	860	862	875·5	3
4	879	876	877	875	870	867	864	866	864	863	863	864	863	860	862	875·4	4
5	879	876	878	876	870	868	865	866	864	863	863	861	863	860	862	875·5	5
6	878	876	877	876	871	869	866	865	864	863	863	862	863	860	861	875·6	6
7	876	877	876	874	871	868	864	863	864	863	862	858	860	858	859	874·8	7
8	878	879	880	876	874	869	868	866	867	866	866	861	860	859	860	877·6	8
9	883	880	882	877	879	870	871	869	868	868	866	867	860	862	861	880·0	9
10	884	876	879	876	877	865	873	869	868	867	867	868	861	866	860	879·0	10
11	879	869	874	868	869	856	871	864	862	864	862	863	857	860	860	873·1	11
Noon	873	865	869	862	861	851	866	856	860	862	854	859	852	856	855	868·2	Noon
13h	868	866	870	856	856	851	864	852	855	859	849	855	853	853	857	867·1	13h
14	868	862	867	856	851	850	863	848	854	856	846	850	851	850	860	865·9	14
15	866	860	866	859	851	853	863	850	853	855	848	850	850	851	862	865·8	15
16	868	863	870	865	858	858	863	854	854	858	854	852	851	856	863	868.8	16
17	875	872	875	870	864	864	867	860	861	863	861	858	857	860	867	873·9	17
18	879	877	879	872	869	868	869	863	866	867	864	862	861	862	866	876·9	18
19	879	877	880	875	870	869	870	866	867	868	866	863	862	862	865	877·6	19
20	879	878	880	875	871	870	870	867	867	868	867	864	863	862	865	878·4	20
21	878	878	879	874	871	870	870	868	868	868	867	865	863	862	864	878·1	21
22	877	878	878	873	870	870	869	867	868	869	869	866	863	868	862	877·8	22
23	877	878	878	872	870	869	869	866	868	869	869	866	862	861	862	877·1	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·55 metres above mean sea-level) during the MONTH of MAY 1925.

Month and Day 1925.	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	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 of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in points.	Wind. Velocity.	Highest.	Lowest.	Range.				
	mbs.	c	c	c	%	mbs.		m.p.s.	c	c	c		m.m.	hrs.	
MAY 1	966·9	23·9	3·2	18·4	71	21·0	30	2·7	24·9	16·0	8·9	6·7	0·0	8·3	73
2	967·3	23·6	2·3	19·6	78	22·6	25	1·3	25·9	18·2	7·7	5·4	11·6	6·8	60
3	967·3	23·3	2·1	19·7	80	22·7	22	4·5	25·9	18·9	7·0	2·9	0·1	10·0	88
4	967·3	24·1	2·7	19·5	75	22·4	24	3·6	27·0	18·8	8.2	3·1	0·0	9·8	87
5	968·1	24·2	2·9	19·2	74	22·0	26	4·5	27·1	17·9	9·2	6·1	0·5	8·4	74
6	967·5	22·8	2·1	19·2	80	22·0	27	4·9	26·6	18·2	8·4	5·4	0·6	10·1	89
7	966·6	24·1	2·4	20·0	78	23·2	28	0·9	26·4	18·1	8·3	7·3	1·6	9·2	82
8	967·6	24·5	3·1	19·2	72	22·0	29	4·0	25·5	18·2	7·3	5·9	0·1	7·9	71
9	967·6	24·5	2·9	19·6	74	22·6	29	4·5	26·0	17·8	8·2	5·3	0·0	8·9	79
10	967·9	24·7	2·9	19·8	74	22·9	29	4·5	26·0	17·3	8·7	4·9	3·0	8·5	76
11	967·6	23·5	2·6	19·0	76	21·8	26	4·9	24·5	16·6	7·9	1·8	0·1	9·7	87
12	967·5	20·9	1·7	17·9	83	20·3	23	2·8	24·1	16·6	7·5	4·3	0·8	3·8	34
13	969·1	23·3	3·1	17·9	72	20·3	22	5·4	25·2	15·0	10·2	1·6	0·1	10·7	96
14	969·6	22·2	1·7	19·2	83	22·0	25	5·8	22·3	17·1	5·2	6·6	2·1	5·1	46
15	970·0	22·3	3·4	16·3	69	18·4	26	5·3	23·5	18·3	5·2	4·6	6·2	10·2	92
16	968·8	20·8	1·1	18·9	89	21·6	23	4·0	24·3	16·7	7·6	5·4	0·1	7·3	66
17	967·5	21·1	0·2	20·7	98	24·2	24	4·1	22·8	16·2	6·6	6·8	1·7	3·4	31
18	968·9	23·0	2·7	18·3	75	20·8	28	5·8	24·7	17·2	7·5	4·4	0·0	9·8	88
19	971·4	23·6	2·6	19·1	76	21·9	24	4·5	25·4	17·7	7·7	5·6	2·0	9·0	81
20	971·5	22·2	2·9	17·1	73	19·3	23	5·8	23·8	18·4	5·4	4·4	0·7	7·8	70
21	970·7	22 6	2·6	18·1	76	20·6	24	6·7	23·1	17·5	5·6	6·6	1·2	4·2	38
22	969·3	20·7	1·1	18 8	89	21·5	23	2·7	23·7	17·9	5·8	6·0	3·5	8·7	79
23	968·3	21·9	2·2	18·0	78	20·4	26	4·9	26·4	15·3	11·1	4·6	3·5	9·1	83
24	969·1	22·6	2·7	17·9	75	20·3	26	4·5	24·8	16·6	8·2	5·5	0·2	7·5	68
25	970·1	23·6	3·6	17·4	68	19·7	26	3·6	26·5	16·0	10·5	3·5	0·0	6·7	61
26	970·3	23·3	2·4	19·1	77	21·9	25	3·1	25·6	17·5	8·1	7·1	0·5	4·8	44
27	969·8	22·7	2·5	18·4	77	21·0	30	0·6	23·9	17·1	6·8	8·1	52·5	5 7	52
28	969·5	22·0	1·8	18·8	82	21·5	25	0·9	25·3	15·4	9·9	5·4	5·5	10·4	95
29	971·7	23·2	2·8	18·3	74	20·8	26	1·8	24·7	18·1	6·6	3·4	0·4	8·8	80
30	970·6	22·9	2·4	18·7	78	21·4	30	0·6	24·3	16·3	8·0	4·4	0·0	8·7	79
31	966·3	22·0	1·8	18·8	82	21·5	9	4·0	25·6	15·0	10·6	6·9	12·7	7·3	66
Mean	968·8	22·9	2·4	18·7	77·6	21·4	° 284 7	3 7	25·0	17·2	7·8	5·1	Sum 111·3	7·95	71·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean for the month at 10 a.m.

Atmospheric Presssure	+ 41·9 mbs
Temperature of the Air	+ 2·4 C.
Vapour Tension	+ 2·3 mbs.
Relative Humidity	— 3·3 %
Direction of Wind	19·1 N
Velocity of Wind	— 1·1

Duration of sunshine	+ 12· hours
Amount of cloud	— 0·2
Amount of rain	— 54·8 m.m.
Mean of highest temperatures	+ 1·9C.
Mean of lowest temperatures	+ 2·4C
Absolute highest temperature	+ 1·3C
Absolute lowest temperature	+ 2·3C

N.B.—Owing to delay on the part of the contractor in completing the buildings at Vacoas regular observations could not be commenced on the 1st of May and will probably be delayed until July.

* South (0); West (8); North (16); East (24).

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MAY 1925.

Month and Day 1925.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cont.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
MAY	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1008·0	− 0·6	28·4	18·5	9·9	23·2	− 0·1	2·1	19·6	+ 0·4	81	+ 2	22·6	15·6	0·0	...	3·7	3·5
2	1007·9	− 0·8	27·4	20·6	6·8	23·6	+ 0·4	2·0	20·2	+ 1·0	81	+ 2	23·4	17·1	1·3	25	4·8	4·2
3	1007·8	− 1·0	27·2	21·1	6·1	23·7	+ 0·6	1·9	20·4	+ 1·3	82	+ 4	23·7	18·9	0·0	...	4·5	3·9
4	1008·0	− 0·9	27·5	20·0	7·5	23·8	+ 0·8	1·9	20·5	+ 1·5	82	+ 4	23·9	16·4	0·2	30	3·9	4·5
5	1008·9	− 0·1	27·1	21·3	5·8	23·9	+ 0·9	1·9	20·6	+ 1·7	82	+ 4	24·0	18·2	4·4	105	5·0	5·6
6	1008·3	− 0·8	27·0	20·4	6·6	23·4	+ 0·5	2·0	19·9	+ 1·1	81	+ 3	23·0	16·7	0·1	10	3·1	4·9
7	1007·7	− 1·4	28·1	20·9	7·2	24·0	+ 1·2	1·9	20·7	+ 1·9	82	+ 4	24·2	17·5	1·0	30	4·7	6·6
8	1008·7	− 0·5	28·0	20·9	7·1	24·1	+ 1·3	1·9	20·8	+ 2·1	82	+ 4	24·3	17·3	0·2	10	3·7	7·0
9	1008·7	− 0·6	28·1	20·3	7·8	24·0	+ 1·3	1·9	20·7	+ 2·1	82	+ 4	24·2	16·8	7·1	45	5·1	6·3
10	1008·8	− 0·6	28·0	19·8	8·2	23·5	+ 0·9	1·9	20·2	+ 1·6	82	+ 4	23·4	16·4	0·0	...	3·7	4·6
11	1009·0	− 0·5	26·7	19·0	7·7	22·4	− 0·2	2·2	18·5	0·0	79	+ 1	21·1	14·8	0·0	...	5·0	2·4
12	1008·8	− 0·7	27·0	18·3	8·7	21·9	− 0·5	2·0	18·4	0·0	81	+ 3	21·0	14·4	0·0	...	4·2	3·1
13	1009·9	+ 0·3	27·0	17·3	9·7	22·3	− 0·1	2·3	18·3	− 0·1	78	0	20·8	13·2	0·0	...	4·7	3·2
14	1010·7	+ 1·0	26·0	18·7	7·3	22·4	+ 0·1	1·5	19·8	+ 1·5	85	+ 7	22·9	14·9	3·4	45	2·9	6·5
15	1010·7	+ 0·9	26·1	19·2	6·9	22·7	+ 0·4	2·7	18·0	− 0·2	75	− 3	20·4	16·0	0·0	...	5·0	3·1
16	1009·9	0·0	26·0	17·9	8·1	22·2	0·0	2·1	18·3	+ 0·1	78	0	20·8	14·4	1·0	15	4·0	4·8
17	1008·9	− 1·0	25·4	19·1	6·3	22·0	− 0·1	1·9	18·7	+ 0·6	93	+ 15	24·4	15·5	1·8	20	4·1	4·8
18	1010·1	+ 0·1	26·7	19·2	7·5	22·9	+ 0·8	2·0	19·4	+ 1·4	81	+ 3	22·3	15·7	0·0	...	4·0	4·1
19	1012·5	+ 2·4	26·9	20·6	6·3	23·3	+ 1·3	1·9	20·0	+ 2·1	82	+ 4	23·2	17·3	4·0	45	5·5	5·4
20	1012·6	+ 2·4	26·0	20·5	5·5	22·9	+ 0·9	2·1	19·3	+ 1·4	80	+ 2	22·2	17·5	0·0	...	4·0	4·4
21	1011·5	+ 1·2	25·3	20·7	4·6	22·6	+ 0·7	1·5	20·0	+ 2·2	86	+ 9	23·2	17·9	5·5	35	3·5	6·7
22	1010·0	− 0·3	25·4	19·4	6·0	22·2	+ 0·3	1·7	19·2	+ 1·5	83	+ 6	22·0	16·6	0·2	10	4·0	6·6
23	1009·7	− 0·7	26·1	19·4	6·7	22·6	+ 0·8	1·9	19·3	+ 1·6	82	+ 5	22·2	16·1	0·5	15	4·7	5·5
24	1010·4	− 0·1	27·0	19·7	7·3	22·8	+ 1·1	1·8	19·7	+ 2·1	83	+ 6	22·7	14·4	0·4	10	4·0	6·7
25	1011·2	+ 0·6	27·0	18·2	8·8	22·3	+ 0·6	1·4	19·8	+ 2·2	86	+ 9	22·9	13·4	7·0	80	6·0	5·4
26	1010·6	− 0·1	26·9	20·3	6·6	22·9	+ 1·3	1·2	20·8	+ 3·3	88	+ 11	24·3	18·0	6·4	70	4·4	5·6
27	1010·4	− 0·4	27·0	19·8	7·2	22·6	+ 1·0	1·0	20·9	+ 3·5	90	+ 13	24·5	16·5	5·2	208	1·9	5·8
28	1010·8	− 0·1	26·7	19·0	7·7	22·5	+ 1·0	1·6	19·7	+ 2·4	84	+ 7	22·7	15·5	0·0	...	4·4	2·5
29	1012·0	+ 1·0	27·4	19·3	8·1	22·9	+ 1·4	1·5	20·3	+ 3·0	86	+ 9	23·6	15·9	0·4	10	3·7	4·2
30	1011·0	0·0	27·1	18·7	8·4	22·4	+ 1·0	1·7	19·4	+ 2·2	83	+ 6	22·3	16·0	0·0	...	4·3	5·1
31	1007·6	− 3·5	26·0	18·7	7·3	21·8	+ 0·4	1·4	19·3	+ 2·2	86	+ 9	22·2	13·7	6·4	65	3·9	6·2
Mean	1009·7	− 0·2	26·9	19·6	7·3	22·9	+ 0·6	1·8	19·7	+ 1·5	82·8	+ 5·1	22·9	16·1	Sum 56·5	Sum 883	4·2	4·9
Aver.	1009·9	...	26·1	19·0	7·1	22·3	...	2·4	18·2	...	77·7	...	20·7	15·7	77·0	1328	3·7	4·6
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF MAY 1925.

During the month of May Pressure was below normal on 22 days and 0.2 mbs below in the mean: Temperature of the Air was considerably above normal being 0.6C. above in the mean and above on 26 days.

The most striking features of the month were, however, the very high Dew Point Temperatures and Relative Humidity, with low wind velocities more Northerly than usual.

Dew Point Temperatures were 1.5C. above normal, Relative Humidity 5.1% above and wind velocity 1.2 metres per second below.

These conditions all point either to a weakening of the Southern anti-cyclone system or to a position farther South than usual at this time of year.

The pressure difference between Seychelles and Mauritius was from 7 to 8 mbs from the 2nd to the 4th and on the 14th and 15th; low differences of 3 to 4 mbs occurred from the 7th to the 9th, while for the remainder of the month it oscillated between 5 and 6 mbs.

Rainfall was 27% below normal at the Observatory in amount and 34% below in duration: Sunshine was 10% above normal.

The percentage variations from the normal for the different districts of the Island were as follows:—

Northern Districts	River System 1,	38%	below
Eastern Districts	,, ,, 2, 3, 4,	37%	,,
South-Eastern Districts	,, ,, 5 & 6	77%	,,
Western Districts	River System 11	50%	below
	,, ,, 12	2%	,,
	,, ,, 13	20%	,,

June 15, 1925.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1925

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
MAY	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	9·4	83	+ 0·5	+ 1·0	117	1·1	1·4	− 1·9	25·8	26·4	26·3	26·0	...	25·4	25·3	b. : f. : b.
2	9·5	84	− 0·1	+ 1·8	87	1·8	2·0	− 1·3	25·8	26·4	26·3	26·0	...	25·6	25·7	c.f. : b.
3	8·1	72	− 0·8	+ 2·1	69	2·2	2·3	− 1·0	25·8	26·3	26·3	26·2	...	25·7	26·0	b. : c.f. .
4	9·7	86	− 0·6	+ 2·1	74	2·2	2·2	− 1·1	25·8	26·3	26·3	26·2	...	25·8	25·8	c.f. .
5	9·3	82	+ 0·2	+ 2·0	96	2·0	2·1	− 1·2	25·9	26·3	26·3	26·2	...	25·9	26·1	c.p. : c.f. .
6	9·7	86	+ 0·3	+ 2·1	98	2·1	2·2	− 1·1	25·9	26·4	26·3	26·3	...	25·8	25·7	c.f. .
7	9·4	83	+ 0·8	+ 1·0	129	1·3	1·6	− 1·7	25·8	26·3	26·4	26·2	...	25·9	26·1	c.f. .
8	9·4	84	+ 1·0	+ 1·2	130	1·5	1·9	− 1·4	25·8	26·3	26·4	26·4	...	26·0	26·2	c.f. .
9	8·3	74	+ 0·9	+ 1·3	125	1·6	1·8	− 1·5	25·8	26·3	26·4	26·4	...	25·8	25·7	c.f. : c.p. .
10	7·4	66	+ 1·1	+ 1·5	126	1·8	1·9	− 1·4	25·9	26·3	26·4	26·3	...	25·7	25·8	c.f. .
11	9·2	82	− 0·2	+ 1·9	84	1·9	2·0	− 1·3	25·9	26·3	26·4	26·2	...	25·4	25·2	c.f. : b.
12	8·2	73	− 0·3	+ 1·7	80	1·7	1·9	− 1·4	25·8	26·3	26·3	26·0	...	25·0	24·8	b. : c.f. : b.
13	8·7	78	− 1·3	+ 2·0	57	2·4	2·4	− 0·9	25·8	26·3	26·3	25·7	...	24·9	25·7	b. : c.f. .
14	6·9	62	− 1·0	+ 2·5	68	2·7	2·8	− 0·5	25·9	26·2	26·2	25·5	...	24·9	24·6	c. : c.g.d. : c : c.f.
15	10·1	91	− 1·3	+ 2·5	62	2·8	2·9	− 0·4	25·8	26·3	26·0	25·5	...	24·8	24·7	c.f. : b.
16	8·2	74	− 0·6	+ 2·3	75	2·4	2·4	− 0·9	25·8	26·2	26·[illegible]	25·3	...	24·4	24·1	b. : c.f. : c.d.g. : c.f.
17	6·8	61	+ 0·1	+ 2·3	93	2·3	2·4	− 0·9	25·8	26·1	25·9	25·3	...	24·3	23·9	c.f. : c. .
18	9·7	87	+ 0·5	+ 2·3	102	2·3	2·4	− 0·9	25·9	26·2	26·0	25·1	...	24·2	24·1	c.f. .
19	9·7	87	0·0	+ 2·6	90	2·6	2·7	− 0·6	25·8	26·1	25·6	25·1	...	24·6	24·6	c.f. : c.d. .
20	9·6	86	− 1·4	+ 3·2	66	3·5	3·6	+ 0·3	25·8	26·2	25·6	25·2	...	24·7	24·5	c.f. .
21	4·4	40	− 0·6	+ 2·2	75	2·3	2·5	− 0·8	25·8	26·0	25·6	25·0	...	24·4	24·3	c.f. : c.g. .
22	5·8	53	− 0·4	+ 2·3	80	2·3	2·5	− 0·9	25·8	26·1	25·6	25·4	...	24·5	24·4	c.g. : c.f. .
23	9·9	90	+ 0·1	+ 2·3	92	2·3	2·4	− 1·0	25·8	26·1	25·5	25·3	...	24·3	24·1	c.f. .
24	6·8	62	+ 0·2	+ 1·6	97	1·6	1·8	− 1·6	25·9	26·0	25·5	25·2	...	24·3	24·2	c.f. : c.g. .
25	8·2	75	− 0·3	+ 1·9	81	1·9	2·1	− 1·3	25·8	26·0	25·5	25·3	...	24·9	24·6	c.f. : c.g.p. .
26	6·9	63	+ 0·1	+ 1·3	94	1·3	1·5	− 1·9	25·8	25·9	25·5	25·5	...	24·8	24·8	c.f. : c.p.:c.f.
27	5·6	51	+ 0·6	+ 0·8	127	1·0	1·2	− 2·2	25·9	25·9	25·5	25·6	...	24·7	24·8	c.f. : c.p. : c.f.
28	10·4	95	− 0·4	+ 1·7	77	1·7	1·8	− 1·6	25·8	25·9	25·5	25·5	...	24·3	24·6	b. : c.f. .
29	8·4	76	+ 0·8	+ 0·8	135	1·1	1·6	− 1·8	25·8	25·9	25·5	25·5	...	24·8	24·9	c.f. : b.
30	9·4	85	+ 0·3	− 0·3	225	0·4	1·5	− 1·9	25·9	25·9	25·5	25·6	...	24·9	25·0	b. : c.f. .
31	5·4	49	− 0·3	− 1·7	280	1·7	2·0	− 1·4	25·8	25·9	25·5	25·7		24·7	24·5	c.g.d. : c.f. .
Mean	8·34	74·9	−0·07	+ 1·69	87·5	1·69	2·12	− 1·21	25·83	26·16	25·95	25·70	...	25·02	24·99	...
Average	7·57	67·9	−1·29	+ 2·52	62·9	2·83	3·33	...	25·54	26·34	...	...	...	24·53	24·40	...
Column	91	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MAY 1925.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1014·2mbs	at	21h & 22h	on 19th	1006·2mbs	at 14h&15h	on 4th 15&16 on 31st
Temperature of the Air	28·4C	at	13h20m	on 1st	17·3C	at 5h15	on 13th
Daily range of temperature of the Air...	9·9C		...	on 1st	4·6C	...	on 21st
Temperature of the Dew Point	22·8C	at	16h	on 26th	16·0C	at 6h	on 13th
Daily range of temperature of the Dew Point	5·0C	...	...	on 14th	1·8C	...	on 6th & 23rd
Relative humidity...	98·8%	at	6h	on 26th	55·7%	at 14h	on 15th
Wind Velocity	6·5 m.p.s.	at	14h	on 20th	0·6mps	often	often
Rainfall	12·4mm.	ending	17h	on 26th	..	...	...
Temperature of the soil at 3 ins. ...	27·6C	at	18h	on 7th	22·5C	at 6h	on 18th
,, ,, at 6 ins. ...	26·9C	at	18h	on 6th	23·4C	at 9h	on 18th
Duration of sunshine...	10·4 hrs.		...	on 28th	4·4 hrs.	...	on 21st
Amount of Evaporation in 24 hours	6·0mm.		...	on 25th	1·9 m.m.	...	on 27th
Vapour Tension	27·5mbs	at	16h	on 26th	18·0 mbs	at 6h	on 13th
Minimum on Grass	...		...	...	13·2C	...	on 13th

Number of Days Overcast, 1, Clear 2, of Rain 20, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 24·75C Average 24·08C, Mean Night Temperature of Air 21·04C Average 20·58C

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

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 1925.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0090	0088	0082	0083	0094	0097	0084	0086	0095	0095	0093	0097	0093	0112	0108	0107	Midnight
1h	0085	0084	0078	0082	0093	0095	0082	0084	0094	0092	0092	0096	0091	0108	0107	0104	1h
2	0081	0081	0077	0081	0087	0093	0076	0082	0087	0091	0089	0093	0090	0107	0104	0102	2
3	0080	0080	0074	0079	0083	0085	0073	0081	0086	0086	0086	0088	0088	0103	0103	0098	3
4	0077	0079	0074	0077	0083	0085	0070	0077	0085	0085	0085	0088	0087	0103	0104	0097	4
5	0076	0078	0074	0077	0084	0084	0069	0077	0083	0085	0083	0087	0089	0103	0105	0097	5
6	0077	0079	0075	0077	0084	0083	0071	0081	0083	0087	0083	0089	0093	0104	0108	0096	6
7	0083	0083	0083	0080	0094	0087	0076	0087	0091	0093	0091	0093	0097	0112	0113	0102	7
8	0084	0087	0090	0087	0100	0093	0083	0091	0094	0096	0093	0097	0103	0114	0119	0103	8
9	0085	0091	0092	0092	0101	0096	0087	0096	0096	0101	0096	0100	0108	0121	0122	0104	9
10	0087	0092	0093	0092	0102	0094	0086	0096	0096	0102	0096	0098	0107	0120	0122	0104	10
11	0087	0084	0084	0084	0095	0086	0084	0094	0094	0099	0094	0092	0104	0113	0113	0104	11
Noon	0077	0076	0077	0074	0091	0084	0076	0085	0086	0091	0088	0086	0101	0106	0106	0097	Noon
13h	0071	0070	0072	0064	0081	0074	0066	0080	0080	0083	0082	0081	0095	0099	0100	0094	13h
14	0065	0065	0065	0062	0075	0071	0065	0076	0075	0080	0080	0075	0092	0095	0096	0092	14
15	0064	0064	0063	0062	0074	0068	0064	0074	0074	0076	0080	0074	0091	0095	0095	0090	15
16	0065	0065	0065	0063	0073	0066	0065	0075	0074	0076	0081	0074	0092	0095	0096	0091	16
17	0072	0071	0070	0070	0076	0072	0067	0080	0077	0077	0083	0075	0098	0095	0097	0093	17
18	0075	0075	0074	0077	0083	0075	0072	0086	0082	0080	0090	0081	0102	0101	0099	0096	18
19	0082	0076	0075	0083	0091	0076	0075	0092	0084	0082	0092	0083	0104	0104	0103	0100	19
20	0087	0081	0082	0088	0096	0084	0084	0096	0093	0086	0097	0091	0111	0110	0106	0103	20
21	0090	0082	0087	0092	0097	0085	0086	0097	0094	0092	0101	0094	0113	0113	0112	0103	21
22	0091	0083	0087	0096	0098	0086	0089	0100	0096	0093	0101	0094	0113	0113	0110	0103	22
23	0090	0083	0086	0095	0097	0085	0089	0098	0097	0093	0100	0093	0114	0112	0110	0101	23

Hour / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0097	0097	0124	0135	0135	0116	0104	0103	0123	0115	0112	0112	0123	0125	0095	1010·4	Midnight
1h	0093	0094	0122	0132	0125	0114	0103	0102	0116	0113	0108	0109	0122	0124	0091	1010·1	1h
2	0091	0093	0115	0125	0125	0107	0097	0101	0111	0112	0107	0106	0118	0123	0083	1009·8	2
3	0088	0092	0113	0124	0117	0103	0095	0097	0109	0107	0103	0102	0117	0117	0079	1009·5	3
4	0087	0092	0113	0123	0116	0102	0093	0095	0107	0105	0102	0101	0115	0114	0083	1009·4	4
5	0087	0093	0113	0122	0118	0101	0092	0094	0105	0103	0103	0102	0115	0112	0078	1009·3	5
6	0086	0093	0113	0123	0122	0102	0092	0096	0107	0105	0103	0103	0117	0115	0082	1009·4	6
7	0092	0098	0124	0127	0125	0104	0096	0101	0112	0112	0105	0106	0122	0119	0081	1010·0	7
8	0096	0101	0125	0131	0127	0111	0097	0104	0119	0119	0112	0112	0126	0122	0083	1010·4	8
9	0102	0104	0129	0134	0127	0112	0101	0111	0122	0121	0114	0113	0132	0124	0084	1010·7	9
10	0097	0105	0130	0139	0127	0113	0101	0111	0123	0118	0114	0113	0133	0124	0083	1010·7	10
11	0094	0103	0129	0136	0125	0104	0097	0106	0120	0114	0108	0109	0125	0121	0080	1010·3	11
Noon	0091	0097	0126	0127	0122	0102	0095	0101	0114	0104	0101	0104	0122	0114	0076	1009·7	Noon
13h	0081	0091	0122	0118	0108	0092	0092	0094	0103	0096	0092	0095	0112	0102	0073	1008·9	13h
14	0079	0090	0121	0110	0100	0083	0086	0092	0098	0095	0086	0095	0108	0098	0063	1008·5	14
15	0077	0091	0118	0110	0096	0081	0090	0092	0098	0092	0090	0095	0107	0096	0062	1008·4	15
16	0076	0092	0116	0111	0095	0081	0090	0093	0100	0091	0092	0096	0108	0096	0062	1008·4	16
17	0077	0095	0117	0116	0099	0082	0091	0102	0101	0092	0093	0102	0111	0096	0063	1008·7	17
18	0081	0098	0123	0122	0102	0090	0097	0104	0106	0096	0099	0109	0117	0096	0067	1009·2	18
19	0088	0104	0132	0126	0106	0093	0102	0104	0113	0103	0103	0113	0120	0096	0069	1009·6	19
20	0093	0113	0141	0131	0113	0097	0104	0114	0121	0107	0110	0121	0122	0103	0074	1010·2	20
21	0096	0121	0142	0137	0116	0103	0106	0119	0122	0109	0111	0122	0124	0103	0076	1010·5	21
22	0097	0123	0142	0137	0117	0106	0107	0121	0123	0113	0111	0122	0125	0102	0077	1010·6	22
23	0096	0122	0141	0136	0116	0105	0105	0122	0120	0112	0111	0123	0125	0101	0076	1010·5	23

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

Hour. \ Day.	MAY 1925.																															
	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	0	6	10	3	9	6	6	5	1	0	0	2	6	0	3	5	3	4	4	8	2	3	4	5	1	2	3	0	8	3·7
1h	1	6	0	4	9	2	9	6	7	5	1	1	0	2	6	0	2	3	4	3	3	9	2	3	3	6	2	0	5	1	8	3·6
2	1	5	0	3	7	1	9	8	5	4	1	1	0	3	5	0	2	3	3	2	4	9	2	4	4	7	4	2	6	1	8	3·7
3	1	4	0	1	3	1	10	9	3	3	1	2	1	3	4	1	2	2	2	2	4	9	2	6	3	2	6	0	1	1	8	3·1
4	1	4	0	1	4	1	9	9	4	2	1	2	1	4	4	1	3	2	2	3	4	9	4	6	2	5	8	1	2	1	9	3·5
5	2	3	1	1	4	3	8	9	4	2	1	3	2	6	4	2	4	3	5	3	4	9	6	5	2	8	8	2	3	2	8	4·1
6	3	3	2	3	5	6	6	9	5	2	2	4	3	9	4	3	6	3	3	5	4	9	9	4	2	9	7	3	6	4	8	4·8
7	2	3	5	3	5	2	5	7	5	2	3	6	4	9	4	3	7	5	4	5	3	9	8	6	1	6	5	2	3	5	8	4·7
8	2	3	5	3	4	3	6	6	6	5	5	7	7	9	3	5	6	6	4	3	4	7	5	5	2	6	4	0	4	5	8	4·8
9	2	5	6	7	4	4	10	5	6	7	3	7	6	9	3	7	5	6	4	2	4	6	4	4	4	3	4	1	5	7	8	5·1
10	3	8	7	6	6	6	8	5	7	9	5	7	4	7	3	8	8	6	5	6	9	10	7	5	4	5	7	4	8	8	4	6·3
11	6	7	6	5	5	6	7	7	7	10	5	8	4	8	3	7	7	6	5	7	10	10	6	6	7	6	8	4	9	8	6	6·7
Noon	5	6	6	4	6	7	7	7	7	8	5	7	5	6	3	6	5	4	5	6	9	9	7	7	8	7	7	3	8	8	9	6·4
13h	5	6	5	7	5	7	6	6	6	9	3	6	5	7	3	7	8	3	6	6	8	7	7	7	8	7	8	3	7	7	10	6·3
14	7	5	5	6	5	4	5	6	8	7	3	5	3	7	3	7	8	6	7	6	7	6	7	8	8	9	8	4	7	7	6	6·1
15	6	6	6	5	6	5	6	8	7	6	4	3	4	9	5	8	9	7	6	7	9	7	6	9	9	10	8	4	7	7	5	6·6
16	5	6	6	5	5	6	7	8	7	6	3	2	5	8	4	8	8	6	7	8	9	6	6	8	9	9	10	4	5	6	4	6·3
17	4	7	7	4	5	5	7	9	6	5	3	2	7	7	3	8	6	5	8	7	9	6	6	9	6	7	9	3	4	4	3	5·8
18	4	4	6	4	4	4	4	9	5	4	2	1	5	6	3	7	4	4	9	4	10	5	7	9	8	8	9	3	3	5	2	5·2
19	4	3	4	4	5	7	8	8	6	3	2	1	4	7	2	6	3	5	8	4	10	3	5	9	10	5	6	3	3	5	3	5·0
20	5	2	2	4	6	9	5	6	9	2	1	0	2	4	1	5	2	3	6	3	9	3	6	9	9	3	4	2	2	6	5	4·3
21	4	1	3	4	10	8	2	4	9	2	1	0	1	6	1	7	1	2	8	3	9	2	8	9	6	1	3	2	1	6	7	4·2
22	4	1	4	6	9	7	3	5	9	2	1	0	1	7	0	5	2	2	8	3	7	2	6	9	5	1	2	4	1	7	5	4·1
23	5	0	5	9	6	8	4	6	8	2	0	0	2	8	0	3	4	2	6	3	6	2	3	9	5	1	1	4	1	7	3	4·0

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

Hour* Ending \ Day.	MAY 1925.																															
	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	28	14	0	8	19	14	3	4	0	0	13	0	15	0	10	0	0	6	14	10	15	0	0	0	15	10	7	14	0	8	0	3·8
8	60	58	16	60	7	54	45	60	37	30	1	10	30	40	60	50	46	60	60	59	59	3	39	50	60	55	50	60	32	60	2	21·9
9	60	60	36	47	35	55	38	54	52	0	59	35	15	44	60	55	50	60	60	60	60	40	60	60	60	60	60	60	30	60	4	24·8
10	60	30	34	42	60	60	59	60	23	12	53	46	60	45	60	50	45	60	45	60	32	18	60	60	60	60	30	55	59	40	40	24·6
11	59	20	55	54	60	60	58	60	52	58	52	53	60	58	60	58	35	60	60	52	3	28	60	49	55	60	55	60	21	50	60	26·4
Noon	50	58	60	60	60	60	58	60	58	55	60	43	59	36	60	59	55	60	60	55	2	17	60	50	50	59	60	60	60	51	20	26·9
13h	43	60	60	60	60	55	54	60	55	60	60	58	53	46	60	59	40	60	60	58	30	12	60	48	60	60	35	60	55	50	0	26·5
14	37	60	54	49	60	60	59	60	59	49	60	60	60	45	60	56	30	60	45	56	20	60	60	50	50	12	0	60	60	60	32	25·7
15	45	60	56	59	60	60	60	60	46	60	60	60	60	42	60	45	18	60	50	50	45	48	60	40	20	0	5	60	55	60	46	25·2
16	43	60	60	59	60	55	60	60	55	59	60	60	57	35	60	13	37	55	55	58	1	55	60	1	22	0	6	60	60	60	60	24·1
17	60	59	42	57	60	50	60	21	54	57	58	57	50	25	54	50	50	40	57	45	0	60	60	0	32	40	28	60	60	58	58	24·4
18	20	29	10	29	17	2	7	7	5	2	14	13	0	0	2	0	3	1	15	10	0	5	15	0	6	0	0	15	10	10	5	4·2
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 258·5 hours and the total possible sunshine 345·2 hours.

* Reckoned from apparent midnight.

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 1925.

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

TABLE XI. (*Contd.*)—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 1925

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

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

Eye observations in italics.

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

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

MAY 1925.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	903	915	901	907	891	913	893	910	900	916	900	915	900	916	907	907	Midnight
1h	896	909	903	914	889	917	896	907	896	918	900	914	900	910	898	912	1h
2	896	910	902	912	892	911	891	912	897	913	900	912	900	911	900	908	2
3	894	915	897	913	890	915	893	910	898	912	900	912	900	908	900	916	3
4	894	915	890	915	892	911	890	915	896	918	900	917	893	909	900	909	4
5	892	919	893	909	888	919	890	915	898	912	900	915	893	909	894	915	5
6	890	910	891	912	891	912	893	910	896	919	900	911	896	907	909	893	6
7	889	911	890	915	889	917	890	914	890	915	900	911	892	910	906	896	7
8	894	906	895	907	891	913	887	919	892	911	900	915	896	907	911	895	8
9	906	914	893	917	890	914	895	925	887	919	900	927	905	912	915	915	9
10	909	912	904	920	892	920	888	931	911	929	907	933	917	911	927	927	10
11	905	911	905	924	900	931	907	934	914	936	908	937	917	907	934	923	11
Noon	916	907	911	928	907	936	900	937	913	932	906	930	922	909	937	925	Noon
13h	918	900	906	930	908	937	893	933	911	928	912	931	922	922	926	917	13h
14	916	907	912	930	900	937	893	935	913	933	914	936	932	913	926	917	14
15	918	918	910	924	893	934	886	936	907	936	907	934	924	915	926	917	15
16	917	911	906	928	888	931	892	937	907	932	908	939	922	909	917	917	16
17	915	910	905	922	887	933	895	922	908	919	900	922	922	914	907	915	17
18	909	907	900	911	886	922	896	920	902	911	900	919	909	909	903	913	18
19	906	904	900	927	890	914	897	915	902	910	900	914	906	906	900	909	19
20	909	907	900	915	889	917	897	916	902	911	900	915	908	908	900	911	20
21	907	904	900	921	888	918	896	918	900	917	900	909	904	904	900	912	21
22	907	905	887	920	889	917	898	912	900	912	900	925	908	908	900	907	22
23	907	915	889	916	892	910	896	919	900	912	900	911	907	907	900	916	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	900	913	902	908	906	906	898	911	893	915	887	913	888	931	894	908	Midnight
1h	897	908	902	912	894	908	896	918	893	915	887	913	881	928	896	906	1h
2	893	915	903	914	892	910	896	918	893	917	878	914	878	933	896	907	2
3	896	910	904	918	890	915	889	917	892	911	893	904	884	924	893	909	3
4	895	912	902	912	891	909	893	910	894	908	893	905	884	924	892	911	4
5	898	906	904	918	887	913	885	915	891	912	894	904	881	929	889	916	5
6	897	908	900	914	895	905	893	910	891	912	893	905	886	921	887	913	6
7	894	913	900	911	892	910	891	912	889	917	893	916	892	911	887	913	7
8	897	907	900	911	890	915	904	920	889	911	891	912	893	909	888	912	8
9	903	917	903	916	889	926	878	922	883	925	891	921	887	934	900	939	9
10	914	922	917	926	900	929	886	922	879	932	900	944	883	942	892	938	10
11	922	922	927	927	913	933	893	916	877	934	900	944	881	946	900	946	11
Noon	931	931	926	926	906	930	905	924	881	929	891	943	873	941	900	944	Noon
13h	927	927	936	924	900	944	914	934	871	929	900	946	882	945	900	947	13h
14	927	927	934	923	911	926	911	929	885	938	891	946	890	949	890	948	14
15	928	919	931	921	907	932	906	929	887	934	893	933	877	934	891	943	15
16	924	910	920	920	906	928	905	923	887	933	885	937	893	932	896	921	16
17	924	915	909	909	894	928	900	914	888	919	887	934	890	925	900	933	17
18	910	910	905	905	897	917	900	908	889	911	889	929	893	910	894	931	18
19	906	906	905	905	898	910	900	913	891	912	886	921	892	910	890	923	19
20	910	910	908	908	898	911	894	914	887	913	884	924	893	910	895	912	20
21	908	908	906	906	898	912	895	912	885	915	889	927	893	909	896	910	21
22	904	906	908	908	897	914	896	910	885	915	886	921	892	911	896	909	22
23	903	905	908	908	897	916	894	915	885	915	883	926	890	914	896	910	23

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

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

MAY 1925.

Hour.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d N.	20d E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.	Hour.
Midnight	895	911	900	919	900	918	897	916	887	919	886	921	897	908	895	912	Midnight
1h	893	915	900	924	900	921	897	916	890	914	905	924	895	912	893	915	1h
2	893	915	900	919	900	917	898	909	884	916	904	920	893	917	896	910	2
3	893	915	900	918	900	910	896	921	884	916	902	912	894	913	894	913	3
4	893	917	900	917	900	918	900	921	888	918	873	927	893	917	893	917	4
5	894	915	900	916	900	922	893	916	885	915	871	929	900	926	892	918	5
6	894	913	900	911	900	913	891	921	887	913	894	929	893	933	892	920	6
7	893	916	900	915	900	918	880	920	890	914	896	918	904	921	892	918	7
8	893	916	900	915	900	918	880	920	885	915	892	919	896	919	895	912	8
9	908	937	910	924	894	928	883	942	894	930	894	931	912	930	904	920	9
10	892	938	924	936	900	941	876	957	900	941	906	931	916	939	905	922	10
11	908	941	914	933	908	937	880	948	907	932	906	928	917	943	905	925	11
Noon	915	937	913	932	900	947	877	955	900	944	906	929	908	938	911	927	Noon
13h	906	929	909	946	908	939	876	958	900	928	906	929	908	939	911	929	13h
14	927	927	914	936	914	933	875	960	908	938	900	945	908	939	922	922	14
15	907	936	914	936	900	937	877	956	900	936	900	940	905	926	911	929	15
16	912	931	906	929	892	940	882	944	900	931	900	938	906	929	915	915	16
17	906	928	905	923	889	928	884	939	905	922	889	928	904	920	908	908	17
18	904	918	900	918	889	929	889	929	902	912	893	916	903	916	905	905	18
19	900	915	900	915	890	923	889	929	890	923	896	910	902	910	908	908	19
20	900	918	900	911	908	920	887	920	894	906	895	911	894	914	899	907	20
21	900	913	900	915	909	922	888	930	902	911	896	910	896	909	898	911	21
22	900	916	900	916	900	926	889	929	896	919	896	909	893	916	897	913	22
23	900	920	900	919	900	914	887	920	883	925	894	914	894	914	898	912	23

Hour.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	31d. N.	31d. E.	Mean. N.	Mean. E.	Hour.
Midnight	897	915	893	909	894	914	896	910	893	916	895	911	911	884	897	912	Midnight
1h	898	911	891	913	894	914	893	909	897	913	895	911	915	885	896	913	1h
2	898	910	893	910	894	915	893	910	897	915	896	910	923	885	896	913	2
3	897	917	896	907	896	910	893	910	897	913	895	911	916	884	896	912	3
4	893	915	893	909	908	902	890	914	898	908	894	913	873	882	893	913	4
5	894	914	895	907	916	903	891	913	899	906	895	912	910	896	894	914	5
6	893	916	893	909	914	903	892	910	897	914	894	914	907	891	895	912	6
7	893	910	890	907	906	913	893	910	898	912	895	911	905	889	894	912	7
8	893	910	891	913	904	909	896	906	899	906	897	906	894	896	895	911	8
9	887	919	890	923	903	906	893	910	900	917	898	906	900	884	897	921	9
10	900	924	905	925	908	908	904	918	907	910	896	910	894	870	902	926	10
11	894	931	900	926	915	915	908	918	917	917	900	881	884	861	905	926	11
Noon	894	928	911	927	909	909	905	923	929	911	916	884	877	865	906	927	Noon
13h	907	936	919	919	910	910	911	929	926	911	917	874	889	871	907	927	13h
14	900	935	906	928	908	908	900	935	933	900	921	879	885	876	909	928	14
15	900	942	901	906	910	908	892	938	926	900	914	878	889	871	904	926	15
16	900	918	908	908	907	904	900	928	922	900	913	880	889	873	904	922	16
17	901	907	910	910	906	904	895	926	918	900	910	886	892	881	902	918	17
18	900	914	906	906	905	903	893	915	906	900	908	889	897	892	899	913	18
19	900	917	905	905	906	904	893	916	907	900	906	892	896	890	899	911	19
20	880	930	908	908	909	907	893	916	912	900	903	895	898	894	899	912	20
21	887	913	906	906	908	906	895	912	913	900	903	895	897	892	899	911	21
22	913	913	908	908	908	906	894	914	910	900	905	893	895	889	899	912	22
23	913	913	910	910	910	907	894	913	896	919	907	891	896	890	898	913	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during MAY 1925.

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

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 1925.

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

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

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MAY, 1925.

Hour Ending \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	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.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.
1h	...	...	...	...	2·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	..	...	...	1·6	...	0·2	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	1·0	...	...	...	...	0·4	...	0·1	...	...	...	..	...	...	...	...	...	0·3	...	...	...	...	...	..	0·5	...	...	...	...	2·3
4	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	..	...	...	0·1	...	...	...	...	0·2	...	0·2	...	...	...	..	3·1
5	...	...	..	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	0.2	..	...	...	..	...	...	..	...	...	...	..	...	...	.	...	...	...	...	...	...	0·2	...	...	...	...	...	...	..	...
7	...	...	..	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	0·2	...	...	.	0·1	...	.	...	...	...	0·4	...	...
8	...	0·1	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
9	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0·9	..	..	...	3·0	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	..	...	...	...	...	...	...	...	..	1·8	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...	0·1	...	..	...	...	...	...	...	...	0·4
14	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	0·6	...	...	...	1·0	...	..	...	...	...	1·2	...	...	...	0·6
15	...	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	5·0	0·3	...	...	...	...
16	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	0·7	0·3	...	...	...	...	...	...	...	...	0·4	1·5	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	0·9	...	...	...	1·0	0·8	1·1	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	0·4	..	...	...	...	...	2·8	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	3·0	...	0·6	0·1	...	0·2	2·7	...	...	...	...	...	...
21	...	...	...	...	...	...	.	...	6·6	...	...	...	...	0·3	...	...	...	...	..	...	...	...	0·2	..	0·5	..	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	0·1	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of MAY 1925.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	2·40	61·0	92.5	13
	3	Belmont	50	3·52	89·4	80·8	13
	4	Poudre d'Or	20	4·06	103.1	78·2	14
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	2·23	56·6	114·8	15
	9	Beau Séjour	300	3·09	78·5	151·1	22
	10	Mont Piton	360	3·40	86·4	129·0	18
	11	Mon Choix	700	2·45	62·2	119·9	14
	12	Antoinette	640	3·70	94·0	152·1	11
	13	California	850	2·89	73·4	153·9	14
	14	Nouvelle Découverte ...	1,400	2·03	51·6	142·2	15
	15	Mon Songe	620	2·75	69·8	149·1	13
	16	La Grande Rosalie ...	643	3·80	96·5	132·6	15
	17	The Mount	325	2·64	67·0	104·9	14
	18	Botanic Gardens ..	325	2.18	55·6	108·2	19
	19	The Observatory ...	179	2·13	56·5	83·1	20
	20	Solitude§	175	...	...	...	...
	21	St. André	90	2·81	71·4	87·4	12
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	..
	25	Esperance (Trébuchet)*	165	3·18	80·8	...	16
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station* ...	106	6·93	176·5	...	7
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	0·66	16·8	...	3
	49	Poudre d'Or Station* ...	772	0·69	17·6	...	10
	50	Rivière du Rempart* ...	134	1·96	49·8	...	...
2 & 3	1	Union Régnard S.E. ...	600	3·93	99.8	184·4	21
	2	Constance d'Arifat L.G.	100	3·27	83·1	140·7	19
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	5·62	142·7	197·6	19
	5	Constance (Manès)§ ...	..	...	...	...	...
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	2·55	64·8	...	19
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile	400	3·73	94·7	257·1	11
	3	Beau Champ	20	3·52	89·4	102·9	13
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	6·23	158·2	182·4	17
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	6·29	159·8	...	27
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	0·53	13·5	144·8	13
	5	Union Vale	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	3·53	89·7	...	14
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka§	2,000	...	...	...	...
	2	Tivoli*	1,300	3·31	84·1	...	...
	3	La Flora*	1,050	2·08	52·8	...	12
	4	Britannia	780	2·71	68·8	259 3	10
	5	Savannah (Mill) ...	200	2.08	52·8	181·4	14
	6	St. Aubin§	300	...	...	...	13
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold§	900	..	...	...	...
	10	Terracine§	100	...	...	.	...
	11	St. Félix S.E.§	...	...	...	..	...
	12	Bel Air§	..	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	1·51	38·4	...	8
	15	Fontenelle*	...	1·82	46·2	...	5
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre§	40	...	...	...	...
	3	Beau Champ§	...	...	...	..	...
	4	Board§	...	...	...	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	4·73	120·1	205·5	18
	3	Mare aux Vacoas ...	1,850	3·49	88.6	316·7	15
	4	La Marie Filter Bed ...	1,700	2.90	73·7	162·8	16
	5	Réunion	1,420	5·38	136·6	150·1	15
12	1	The Manse	850	2·13	54·1	68·3	24
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	3·86	97·9	76·5	20
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	1·66	42·2	...	16
	7	Trianon	950	2·88	73·2	95·2	14
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	1·41	35·8	...	4
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	3·99	101·3	94·2	24
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	..
	15	Hermitage§	...	...	...	...	..
	16	Côte d'Or§	1,178	...	...	...	...
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	1·40	35·5	...	4

* Normals not available. § Record not Received.

TABLE XVI.—OBSERVATIONS of the DIRECTION and VELOCITY of CLOUDS made at the AEROLOGICAL STATION VACOAS 424·55 metres above SEA LEVEL during the month of MAY 1925.

Day. \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum: Alto St:		Cirro Cum		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
	h	°		°		°		°		°				h	°		°		°		°		°		°	
1	7¼	...	..	...	...	...	...	...	...	...	...	75	0·3	10¼	...	...	160	0·3	...	...	...	...	...	...	...	...
2	10	...	...	240	0·7	...	...	...	...	...	...	...	...	12	...	...	235	0·4	...	...	...	..	...	...	...	...
3	7¼	...	...	270	0·1	240	0·3	...	...	..	...	...	...	12¼	300	0·5	315	0·5	...	...	...	...	...	..	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
5	10½	...	...	...	...	40	0·1	240	0·3	...	...	...	...	12	255	1·2	240	0·7	...	...	240	0·6	...	..	...	...
6	...	...	...	..	...	...	...	...	...	...	...	...	...	15		...	255	0·8	...	...	...	...	...	..	60	0·3
7	7¼	...	...	...	...	...	...	...	...	...	...	75	0·2	...	...	...	...	...	...	...	.	...	...	...	...	...
8	15½	..	...	195	0·5	...	...	...	...	...	...	75	0·2	17¼	...	...	...	...	...	...	...	...	...	...	30	0·3
9	12	...	...	210	0·5	...	...	...	...	...	...	...	...	15	...	...	210	0·5	...	...	...	...	..	...	...	...
10	15¼	...	...	225	0·8	...	...	...	...	...	...	...	...	16¼	210	0·9	210	0·5	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	.	...	. .	...	...		...	...	..	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	..	16¼	...	...	240	0·1	...	...	...	...	...	...	15	0·2
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
15	12	...	...	300	1·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	13¾	...	...	270	0·6	...	...	...	...	...	...	120	0·2	...	...	...	...	...	...	...	...	..	...	...	...	...
17	8¼	...	...	...	...	...	...	...	...	...	...	120	0·3	15½	...	...	...	...	...	...	...	...	...	...	135	0·7
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	..	...	...	...
19	12½	...	...	270	1·2	...	...	...	...	...	...	...	...	15¾	...	...	...	...	150	0·4	120	0·5	...	...	120	0·4
20	9	...	...	..	...	120	0·4	...	...	...	...	...	...	17	...	...	...	...	...	...	50	0·3	...	...	...	...
21	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	12	...	...	255	1·3	...	...	...	...	...	...	..	...	15¼	...	...	...	...	120	0·5	...	..	...	...	105	0·4
24	14½	...	...	45	0·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	10	160	0·7	...	...	...	...	.	...	...	...	...	...	...	...	...	.	...	...	...	...	...	.	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	. .	...	...	.	...	...	...	...	...	...	...	...	. .
27	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..
28	10	...	...	...	...	345	0·3	...	...	..	...	...	...	15	...	...	350	0·4	..	...	...	...	...	...	...	...
29	10	...	...	225	1·0	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...	15	135	1·1	105	0·8	...	...	...	...	...	...	...	...
31	10	...	...	30	0·8	...	...	...	...	...	...	...	...	15	...	...	360	1·6	...	...	...	...	...	...	...	...

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

NEW SERIES (MONTHLY). VOL. XI. PART 6 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

JUNE 1925

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

DIRECTOR

Published by Authority of His Excellency the Governor

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NOTE—For purposes of upper air investigation the directions of the wind in Table VI and of the clouds in Table XVI now refer to directions from South through West to North and East. The directions in Table VII still refer to directions from South through East and will not be altered until January, 1926.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of JUNE 1925

Month and Day. 1925	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force (Unit 1 γ)	Vertical Force. (Unit 1 γ)
	° ′			′		
JUNE						
1	11. 9·4	·22890	·29862	3·6	52	6
2	11. 9·3	891	860	4·2	28	10
3	11. 8·9	892	859	2·6	31	13
4	11. 9·1	893	859	4·6	27	12
5	11. 9·2	899	860	4·6	26	11
6	11. 9·3	903	859	4·4	53	24
7	11. 9·3	902	862	3·6	19	15
8	11. 9·4	905	864	4·6	27	13
9	11. 9·5	906	866	4·4	19	18
10	11. 9·4	905	865	2·4	25	14
11	11. 9·5	901	866	2·6	29	10
12	11. 9·4	895	870	2·2	49	8
13	11. 8·7	878	872	4·4	96	18
14	11. 9·4	883	871	3·4	25	17
15	11. 9·1	888	873	7·0	25	14
16	11. 9·5	894	871	5·6	30	18
17	11. 9·4	894	871	6·2	30	8
18	11. 9·5	898	872	2·8	32	17
19	11. 9·6	904	870	2·4	36	18
20	11. 9·5	907	872	2·8	21	15
21	11. 9·9	913	872	4·0	20	19
22	11. 9·6	920	867	2·4	22	19
23	11. 9·6	912	869	3·8	60	13
24	11. 9·4	903	870	4·2	35	19
25	11. 9·3	893	873	7·6	47	20
26	11. 9·4	896	876	3·8	30	9
27	11. 9·4	891	873	5·0	58	13
28	11. 8·9	885	874	7·0	46	13
29	11. 8·9	890	872	5·0	37	15
30	11. 9·2	891	872	2·8	17	13
Mean	11· 9·33	·22897	·29868	4·17	35·1	14·4

Description of the Principal Magnetic disturbances.

The following notes give a brief description of the principal magnetic disturbances. The movements in Horizontal Force and Vertical force are expressed in C.G.S. units.

The term "wave" indicates a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "fluctuations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and —denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

JUNE 1925.

June 13. 8.50 to 9.10 (d h m, h m) — Increase in H.F.(20γ) followed by irregular decrease (100γ) tilll 16h. M.V.F. Rapid small fluctuations.

13.20.40 to 14.3.20 (d h m, d h m) — Loss of Register.

24.17.15 (d h m) — Sudden increase in H.F.(10γ), in V.F. (5γ), followed in both elements by a series of small undulations and an irregular double-crested wave $25^d.0^h\frac{1}{2}$ to $4^h\frac{1}{4}$ (+50γ) in H.F. and $25^d\ 0^h\frac{3}{4}$ to $1^h\frac{3}{4}$ (10γ) in V.F. In Dec. small undulations the principal being $25^d.0^h\frac{3}{4}$ to $1^h\frac{1}{2}$. (+3′). $24^d.17^h.55^m$, sudden increase in V.F. (5γ).

T=0·37635: Mean Dip=θ=52°.31′·56. (X=·22465: Y=—·04430: Z=·29868).

† 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 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South).					
				A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
JUNE 4.11·43	11.10·14	JUNE 2. 9·20	·22900	JUNE 4.11·31	52.31·50	0·29861	JUNE 4.13.38	52.31·50	0·29848
.13·29	11. 8·89	12·19	·22898	12.11.27	52.30·81	0·29882	12.13.21	52.31·97	0·29871
12.11·15	11. 9·87	9.11·16	·22899	18.11·44	52.30·59	0·29871	18.13.33	52.29·87	0·29855
.13·29	11. 9·66	13·28	·22917						
19.10·20	11.12·68	16. 9·35	·22902						
.13·14	11. 9·83	12·24	·22902						
		22. 9·23	·22942						
		12·31	·22922						

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

JUNE 1925.

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

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

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

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

JUNE 1925.

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	880	879	887	900	898	900	897	900	898	902	897	889	887	870	877	890	Midnight
1h	880	880	888	893	896	900	895	902	900	903	901	887	888	880	878	885	1h
2	882	880	889	890	897	902	895	903	902	904	901	889	890	880	879	894	2
3	887	890	902	889	897	903	898	907	909	904	902	908	892	880	879	898	3
4	883	889	897	891	898	903	899	908	910	905	904	904	894	872	881	900	4
5	890	889	892	893	899	904	902	910	909	908	908	908	905	874	889	902	5
6	893	890	899	897	900	908	907	911	908	910	900	909	903	878	891	905	6
7	896	897	909	901	907	908	909	917	910	918	914	912	909	889	894	904	7
8	907	900	903	903	908	907	910	921	913	919	918	919	912	888	898	903	8
9	907	907	892	905	910	904	907	920	917	917	919	914	928	888	902	907	9
10	912	906	891	907	910	905	910	920	912	912	918	913	924	891	899	908	10
11	917	893	910	897	912	916	913	919	909	911	914	908	912	895	900	902	11
Noon	915	898	902	894	913	922	912	911	903	910	906	904	882	891	897	896	Noon
13h	908	892	899	884	904	927	910	899	902	909	899	897	869	893	897	888	13h
14	908	892	883	884	900	921	901	894	899	910	899	890	862	892	888	890	14
15	900	893	882	884	891	912	897	895	901	901	898	878	858	883	880	890	15
16	889	883	882	880	887	903	894	894	900	897	893	870	832	880	879	884	16
17	868	880	884	882	888	902	896	897	904	899	890	874	840	880	880	889	17
18	865	882	883	889	890	900	898	900	907	900	892	880	847	880	888	888	18
19	870	889	879	892	893	899	894	899	907	899	892	883	835	880	890	881	19
20	878	889	883	894	892	874	900	899	905	894	891	883	840	880	890	878	20
21	879	890	884	890	893	885	900	897	903	897	890	884	850	880	887	892	21
22	870	898	880	891	894	890	899	898	905	897	890	884	855	878	882	893	22
23	879	886	895	901	899	890	900	899	905	896	890	885	860	877	884	890	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean.	Day. \ Hour.
	·22000 + (C.G.S. UNIT.)																
Midnight	889	890	900	900	902	910	919	899	880	887	891	862	873	888	...	891·4	Midnight
1h	885	890	900	900	905	912	921	900	905	888	890	872	879	887	...	893·0	1h
2	890	891	900	900	907	913	928	901	906	890	890	879	888	888	...	894·9	2
3	890	893	900	900	907	915	922	905	917	893	891	902	882	887	...	898·3	3
4	898	894	898	902	910	918	918	907	882	897	892	890	889	885	...	897·3	4
5	908	897	903	905	910	919	921	902	900	895	900	892	896	886	...	900·5	5
6	899	893	900	908	911	920	930	901	894	898	900	908	895	890	...	901·8	6
7	899	900	908	909	917	922	937	910	891	900	908	905	900	896	...	906·5	7
8	908	904	913	912	920	927	940	912	908	910	913	908	902	900	...	910·2	8
9	901	910	917	919	922	927	921	920	901	913	923	907	907	900	...	911·1	9
10	908	917	918	920	922	930	929	920	901	912	921	889	910	902	...	911·2	10
11	910	919	920	921	921	932	931	917	907	910	920	890	903	891	...	910·7	11
Noon	898	911	925	921	920	929	929	910	908	908	910	897	902	890	...	907·1	Noon
13h	892	913	927	920	921	922	937	916	901	900	902	891	893	895	...	903·6	13h
14	888	907	918	910	920	920	910	910	900	898	903	887	890	891	...	898·3	14
15	882	892	901	907	913	913	892	900	897	893	890	882	887	890	...	892·7	15
16	880	892	899	901	908	910	885	900	893	890	872	877	879	888	...	887·4	16
17	881	887	891	901	907	915	880	900	887	890	873	870	884	887	...	886·9	17
18	889	890	892	905	910	920	890	900	881	893	877	870	880	888	...	889·1	18
19	890	892	893	903	910	920	884	902	870	892	865	872	888	889	...	888·4	19
20	890	894	892	902	910	920	888	891	870	891	867	869	889	888	...	887·7	20
21	890	895	894	901	910	920	892	892	870	890	873	870	887	891	...	889·2	21
22	890	895	895	901	910	922	897	890	872	883	868	880	882	888	...	889·2	22
23	890	893	895	902	910	920	899	885	883	888	870	873	880	889	...	890·4	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).

JUNE 1925.

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	864	861	860	859	859	860	862	866	867	869	870	872	875	877	873	873	Midnight
1h	863	860	860	859	859	860	862	866	866	868	869	872	874	877	873	873	1h
2	863	861	860	860	859	859	861	864	864	868	868	871	874	876	873	873	2
3	863	861	859	860	859	859	861	863	864	868	867	870	873	875	874	873	3
4	863	861	861	861	860	860	861	863	864	867	867	869	873	875	875	873	4
5	863	861	862	862	860	860	862	863	864	866	867	868	872	874	875	873	5
6	862	862	862	862	861	861	862	864	865	866	867	868	872	875	874	873	6
7	860	860	860	862	861	860	862	863	863	863	863	865	870	872	873	873	7
8	862	862	860	862	862	863	864	865	865	866	865	865	871	870	873	873	8
9	863	863	861	861	865	866	867	867	872	869	865	869	873	872	876	876	9
10	862	860	860	860	864	865	868	868	875	870	866	871	869	872	875	875	10
11	862	858	859	855	861	857	862	862	876	866	866	871	865	872	872	868	11
Noon	863	857	858	852	859	850	860	860	871	863	863	871	862	873	873	858	Noon
13h	863	854	855	852	854	842	854	856	865	860	862	872	863	867	868	859	13h
14	860	855	850	852	854	847	853	856	860	857	860	872	863	862	862	859	14
15	858	854	854	851	854	850	856	856	858	856	860	866	867	860	867	862	15
16	858	856	856	852	858	856	858	858	858	857	861	866	870	863	870	868	16
17	860	860	860	859	862	860	863	862	862	863	866	870	877	869	876	872	17
18	863	864	862	863	865	861	865	866	867	866	869	872	877	872	876	875	18
19	864	863	862	863	865	866	866	867	867	867	869	872	879	872	876	874	19
20	861	862	863	863	865	863	867	868	868	868	869	872	880	872	875	874	20
21	862	861	861	863	863	863	865	869	869	869	870	872	879	872	875	873	21
22	861	861	861	862	862	862	865	869	868	869	870	873	878	873	873	872	22
23	861	860	860	860	861	861	865	868	868	869	870	873	878	873	872	871	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	·29000 + (C.G.S. UNIT)																
Midnight	872	873	873	875	872	872	869	874	876	877	878	878	876	873	...	870·2	Midnight
1h	872	873	872	873	872	871	868	873	882	877	877	879	875	874	...	870·0	1h
2	872	873	872	872	872	870	868	872	874	876	876	876	875	874	...	869·2	2
3	872	874	872	872	871	870	868	871	871	873	875	872	875	874	...	868·6	3
4	872	875	872	873	871	870	866	870	871	873	874	872	873	874	...	868·6	4
5	872	875	872	873	871	870	867	871	873	873	872	872	871	874	...	868·6	5
6	873	876	874	875	872	870	867	871	873	873	872	871	873	875	...	869·0	6
7	870	876	872	872	871	870	865	870	870	871	870	870	872	873	...	867·4	7
8	870	876	870	873	873	870	867	870	870	872	870	872	872	873	...	868·2	8
9	872	877	870	873	878	871	870	872	874	879	871	876	874	874	...	870·5	9
10	874	876	872	875	879	872	872	872	877	880	872	879	875	872	...	870·9	10
11	874	871	871	877	879	868	871	870	876	878	870	881	876	870	...	868·8	11
Noon	872	866	870	876	875	862	869	869	876	873	869	878	872	869	...	866·3	Noon
13h	870	862	862	870	870	860	862	860	872	872	867	870	865	865	...	862·4	13h
14	867	860	856	862	863	856	862	858	867	872	865	868	861	862	...	860·0	14
15	866	862	859	862	860	853	866	858	862	873	866	869	862	865	...	860·4	15
16	866	863	866	864	862	859	867	861	863	878	872	870	866	868	...	863.0	16
17	869	867	870	870	868	865	871	869	870	879	876	876	870	871	...	867·7	17
18	873	872	872	872	872	869	873	874	873	878	875	877	872	873	...	870·3	18
19	874	876	873	873	873	870	872	873	875	878	875	876	875	873	...	870·9	19
20	874	875	874	874	874	870	873	873	877	878	878	876	873	875	...	871·1	20
21	873	874	874	874	874	870	872	877	877	877	878	876	873	872	...	870·9	21
22	873	873	874	873	873	870	875	877	877	877	878	875	873	872	...	870·6	22
23	872	872	873	873	872	870	875	877	877	878	878	875	874	873	...	870·3	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·55 metres above mean sea-level) during the MONTH of JUNE 1925.

Month and Day 1925.	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	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 of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in points.	Wind. Velocity.	Highest.	Lowest.	Range.				
	mbs.	c	c	c	%	mbs.		m.p.s.	c	c	c		m.m.	hrs.	
JUNE 1	965·9	20·1	1·1	18·1	88	20·6	28	1·0	23·1	14·4	8·7	6·0	3·4	4·8	44
2	968·0	22·3	3·1	16·9	71	19·0	26	0·6	23·0	16·4	6·6	4·2	0·0	5·6	51
3	970·0	21·0	2·9	15·9	73	17·9	0	0·6	24·0	13·8	10·2	3·0	9·3	6·2	57
4	970·3	20·7	2·7	15·9	74	17·9	30	1·0	23·6	13·3	10·3	2·8	0·0	10·7	98
5	969·8	21·3	1·4	18·8	86	21·5	27	4·6	22·8	14·6	8·2	1·0	0·0	10·8	99
6	970·2	19·5	3·6	13·1	67	14·9	29	2·5	21·2	13·2	8·0	3·6	0·0	7·2	66
7	970·2	20·1	1·2	18·0	88	20·4	28	3·5	22·3	15·7	6·6	7·0	0·0	8·7	80
8	971·5	20·4	3·3	14·5	69	16·4	26	4·2	21·2	17·0	4·2	3·9	0·0	10·3	94
9	970·7	21·0	2·8	16·1	74	18·1	27	6·0	21·7	15·8	5·9	4·5	0·0	9·2	84
10	969·0	20·9	3·5	14·7	68	16·6	25	5·0	20·1	16·7	3·4	4·3	0·3	6·7	62
11	967·4	19·0	0·5	18·1	95	20·6	22	6·0	21·6	16·6	5·0	7·3	1·7	6·4	59
12	968·3	22·1	2·8	17·2	74	19·4	18	1·5	23·4	16·9	6·5	7·8	2·7	4·7	43
13	969·7	20·7	1·5	18·0	84	20·4	30	1·2	21·2	17·1	4·1	9·6	0·5	0·0	0
14	970·6	20·9	1·5	18·2	85	20·7	25	3·8	23·1	17·2	5·9	6·8	2·5	6·8	62
15	968·4	22·2	2·2	18·3	79	20·8	22	5·5	23·8	18·9	4·9	7·9	0·0	9·6	88
16	968·2	21·7	1·8	18·5	82	21·1	18	4·0	23·0	18·5	4·5	9·8	0·6	0·2	2
17	969·7	22·0	2·1	18·3	79	20·8	0	0·6	24·1	15·8	8·3	7·3	0·0	4·4	40
18	969·5	21·9	3·0	16·6	72	18·7	27	7·5	23·0	17·6	5·4	7·8	10·2	6·0	55
19	970·3	22·0	2·2	18·1	79	20·6	23	4·0	23·9	17·5	6·4	6·6	0·0	9·3	85
20	970·7	21·8	1·9	18·5	82	21·1	25	5·5	23·7	17·3	6·4	5·5	0·0	10·3	94
21	971·2	21·1	1·8	17·9	82	20·3	27	4·6	21·5	17·8	3·7	8·3	1·0	7·7	71
22	971·3	19·8	3·0	14·4	71	16·3	27	5·0	21·2	13·1	8·1	4·8	2·3	10·4	95
23	971·9	19·7	4·0	12·5	63	14·4	27	6·5	20·7	13·1	7·6	2·6	0·0	10·6	97
24	972·0	18·0	2·7	13·1	73	14·9	29	2·5	20·7	13·4	7·3	2·9	0·0	10·2	94
25	969·2	19·8	1·3	17·5	87	19·8	24	5·7	21·7	11·8	9·9	0·8	0·0	10·2	94
26	966·3	21·2	3·2	15·5	70	17·4	16	2·1	23·4	13·9	9·5	3·1	0·0	9·6	88
27	966·2	20·9	2·3	16·8	77	18·9	0	0·9	22·8	16·0	6·8	4·4	1·8	9·5	87
28	966·2	20·9	3·0	15·6	72	17·6	11	6·8	20·9	13·4	7·5	7·0	0·0	5·6	51
29	969·9	18·5	3·6	11·9	65	13·8	3	5·0	20·7	12·6	8·1	7·8	8·8	8·9	82
30	972·7	17·9	2·3	13·7	76	15·5	30	7·2	20·8	13·5	7·3	8·0	5·9	8·1	74
Mean	969·5	20·6	2·4	16·3	76·8	18·5	° 293·5	2·5	22·3	15·4	6·9	5·5	Sum 51·0	7·62	69·9
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.:

Atmospheric Presssure	+ 42·3 mbs
Temperature of the Air	+ 3·1 C.
Vapour Tension	+ 0·4 mbs.
Relative Humidity	— 1·4 %
Direction of Wind	3·1 S
Velocity of Wind	— 0·1

Duration of sunshine	+ 8·4 hours
Amount of cloud	— 1·1
Amount of rain	+ 1·8 m.m.
Mean of highest temperatures	+3·1C
Mean of lowest temperatures	+1.1C
Absolute highest temperature	+2·3C
Absolute lowest temperature	+0·2C

N.B.—Owing to delay on the part of the contractor in completing the buildings at Vacoas regular observations of Pilot balloons were not commenced until July 7.

* South (0); West (8); North (16); East (24).

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1925.

Month and Day 1925.	Atmospheric Pressure: Mean	Atmospheric Pressure: Excess above Average	Temperature of the Air (in degrees Centigrade.): Highest	Lowest.	Range	Mean	Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.): Mean	Excess above Average	Degree of Humidity (Saturation=100): Mean	Excess above Average	Elastic Force of Vapour	Lowest Temperature on the Grass, (Cent.)	Rainfall: Amount recorded by the Beckley Pluviograph.	Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
JUNE	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1007·7	— 3·5	24·8	16·6	8·2	20·3	— 1·0	1·3	18·0	+ 0·9	86	+ 9	20·4	12·5	12·2	35	5·5	4·1
2	1009·4	— 1·9	25·7	16·6	9·1	20·3	— 0·9	1·6	17·4	+ 0·4	83	+ 6	19·7	13·1	11·0	55	3·0	3·2
3	1010·9	— 0·5	25·9	16·1	9·8	20·7	— 0·5	2·1	17·0	+ 0·1	79	+ 2	19·2	12·6	0·2	5	4·7	2·9
4	1011·4	— 0·1	25·7	15·3	10·4	20·3	— 0·8	1·9	16·9	0·0	81	+ 4	19·0	11·2	0·0	...	3·5	2·1
5	1011·0	— 0·5	25·7	15·2	10·5	20·2	— 0·9	2·7	15·4	— 1·4	74	— 3	17·3	9·7	0·0	...	4·0	1·9
6	1011·4	— 0·2	24·9	14·4	10·5	19·7	— 1·4	3·0	14·3	— 2·4	71	— 6	16·2	10·6	0·0	...	4·0	6·7
7	1011·5	— 0·2	25·1	15·4	9·7	20·7	— 0·3	3·4	14·7	— 2·0	69	— 8	16·6	11·3	0·0	...	4·2	6·0
8	1012·5	+ 0·7	24·8	15·3	9·5	19·4	— 1·5	2·8	14·3	— 2·3	73	— 4	16·2	10·0	0·0	...	4·6	3·2
9	1011·4	— 0·5	25·4	14·7	10·7	20·3	— 0·6	2·9	15·1	— 1·4	72	— 4	17·0	10·1	0·0	...	5·0	3·4
10	1010·1	— 1·9	25·0	19·4	5·6	21·8	+ 1·0	2·9	16·7	+ 0·3	73	— 3	18·8	15·8	1·0	25	5·5	5·8
11	1009·1	— 3·0	24·9	18·9	6·0	21·6	+ 0·9	1·8	18·4	+ 2·0	82	+ 6	21·0	15·8	2·5	75	3·0	7·4
12	1009·3	— 2·9	26·0	17·5	8·5	21·6	+ 0·9	2·0	18·1	+ 1·8	81	+ 5	20·6	14·3	0·8	10	3·8	7·1
13	1010·5	— 1·8	25·0	19·2	5·8	21·6	+ 1·0	1·6	18·8	+ 2·6	84	+ 8	21·5	15·0	0·4	20	1·9	8·7
14	1010·8	— 1·6	25·7	18·8	6·9	21·6	+ 1·0	1·6	18·8	+ 2·6	84	+ 8	21·5	15·0	0·2	5	2·2	5·0
15	1009·4	— 3·0	26·1	19·7	6·4	22·9	+ 2·3	2·1	19·3	+ 3·2	81	+ 5	22·2	17·2	0·4	10	3·4	7·1
16	1009·3	— 3·2	26·0	20·1	5·9	23·1	+ 2·6	1·8	20·0	+ 3·9	83	+ 7	23·2	15·9	0·0	...	2·0	8·6
17	1010·7	— 1·9	26·4	18·6	7·8	22·1	+ 1·6	1·4	19·6	+ 3·6	86	+ 10	22·6	15·9	21·6	260	6·1	6·2
18	1011·1	— 1·6	25·6	20·7	4·9	22·3	+ 1·9	2·0	18·8	+ 2·9	81	+ 5	21·5	17·7	0·0	...	3·5	8·2
19	1011·1	— 1·7	25·9	19·1	6·8	21·9	+ 1·5	2·0	18·4	+ 2·5	81	+ 5	21·0	15·3	0·0	...	4·0	2·3
20	1011·8	— 1·1	26·3	17·4	8·9	21·4	+ 1·0	2·0	17·9	+ 2·0	81	+ 5	20·3	13·7	0·0	...	3·5	2·1
21	1012·3	— 0·7	25·4	17·7	7·7	21·4	+ 1·1	2·1	17·7	+ 1·9	80	+ 4	20·1	12·0	1·0	15	4·0	3·9
22	1012·8	— 0·3	24·4	13·7	10·7	19·0	— 1·3	3·0	13·6	— 2·2	71	— 5	15·4	7·3	0·0	...	3·6	1·0
23	1013·7	+ 0·5	23·9	12·7	11·2	17·6	— 2·6	2·6	12·8	— 3·0	74	— 2	14·7	7·1	0·0	...	4·5	2·0
24	1013·3	0·0	24·3	12·0	12·3	17·6	— 2·6	2·7	12·7	— 3·1	73	— 3	14·6	7·2	0·0	...	4·4	1·5
25	1010·6	— 2·7	24·5	12·1	12·4	18·1	— 2·1	2·4	13·7	— 2·0	75	— 1	15·5	7·5	0·0	...	4·0	1·2
26	1007·7	— 5·7	25·3	15·0	10·3	19·9	— 0·2	2·0	16·3	+ 0·6	80	+ 4	18·4	10·7	0·0	...	3·5	4·0
27	1007·5	— 6·0	25·9	16·2	9·7	20·3	+ 0·2	2·3	16·2	+ 0·5	77	+ 1	18·2	13·0	0·0	..	4·5	2·5
28	1008·5	— 5·1	25·3	16·2	9·1	20·8	+ 0·7	3·0	15·5	— 0·2	72	— 4	17·4	10·2	1·5	20	4·1	5·8
29	1011·7	— 1·9	24·0	13·4	10·6	19·0	— 1·1	3·2	13·2	— 2·5	69	— 7	15·0	8·2	0·0	...	2·4	3·7
30	1014·0	+ 0·3	23·7	17·7	6·0	20·5	+ 0·4	3·8	13·7	— 2·0	65	— 11	15·5	12·3	0·0	...	4·7	6·4
Mean	1010·8	— 1·7	25·3	16·5	8·8	20·6	0·0	2·3	16·4	+ 0·2	77·4	+ 1·1	18·7	12·3	Sum 52·8	Sum 535	3·9	4·5
Aver.	1012·5	...	24·5	17·1	7·4	20·6	...	2·5	16·2	...	76·3	...	18·2	13·5	71·0	1411	3·2	4·8
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JUNE 1925.

Pressure was below normal on all days except the 8th, 23rd and 30th. It was 1.7 mbs. below in the mean for the month.

Temperature was variable; a cold period occurred at the beginning and end of the month with a period of high temperatures between the 10th and 21st. It was normal in the mean.

Humidity was above normal by 1.1%.

Wind Velocity was again much below normal (1.2 mps) and was much more Southerly than usual.

Rainfall was 26% below normal at the Observatory and very defective in distribution, 40% of the total monthly fall occurring on the 17th. Duration was 61% below normal.

The percentage variations from the normal is for the different districts of the Island were as follows.

Northern Districts	River System 1,	42%	below
Eastern Districts	,, ,, 2, 3, 4,	55%	,,
South-Eastern Districts	,, ,, 5 & 6	58%	,,
Western Districts	River System 11	58%	below
	,, ,, 12	47%	,,
	,, ,, 13	45%	,,

July 28, 1925.

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1925

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
JUNE	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	4·6	42	− 0·8	+ 0·3	21	0·8	1·3	− 2·1	25·9	25·9	25·5	24·9	...	23·9	23·3	b. : c.g. : b.
2	6·5	59	− 1·0	+ 1·2	50	1·6	1·7	− 1·7	25·8	25·8	25·4	24·4	...	23·5	23·1	b. : c.g. : b.
3	9·1	84	− 0·5	− 0·4	321	0·6	1·7	− 1·7	25·9	25·9	25·2	24·2	...	23·3	23·0	b. : c.g. : b.
4	9·1	83	− 1·1	− 0·1	355	1·1	1·8	− 1·6	25·8	25·9	25·1	24·1	...	23·3	23·1	b. : c.f. : b.
5	8·9	82	− 2·3	+ 1·2	28	2·6	2·6	− 0·8	25·4	25·9	25·0	24·0	...	23·1	22·7	b. : c.f. : b.
6	8·0	73	− 1·8	+ 0·8	24	1·9	2·0	− 1·5	25·9	25·9	24·8	23·8	...	22·8	22·4	c.f. .
7	8·2	75	− 1·5	+ 1·2	39	1·9	2·1	− 1·4	25·7	25·8	24·7	23·8	...	23·3	23·3	c. : c.f. .
8	10·1	93	− 1·4	+ 1·9	54	2·3	2·4	− 1·1	25·8	25·7	24·6	23·7	...	22·9	22·4	c f. : b.
9	9·4	86	− 2·0	+ 2·4	50	3·1	3·2	− 0·3	25·8	25·8	24·5	23·4	...	22·6	22·2	b : cf. : b.
10	7·9	72	− 1·1	+ 3·1	70	3·2	3·5	0·0	25·8	25·6	24·4	23·3	...	22·8	22·5	c.f. .
11	6·7	62	+ 0·2	+ 2·6	94	2·6	2·7	− 0·8	25·8	25·7	24·3	23·3	...	22·9	22·8	c: c.f. .
12	5·0	46	+ 0·6	+ 1·1	119	1·2	1·5	− 2·0	25·8	25·7	24·3	23·4	...	22·9	22·7	c. : c.g. .
13	0·3	3	− 0·4	+ 1·2	72	1·2	1·4	− 2·1	25·7	25·5	24·3	23·6	...	23·4	23·2	o : p. : c. .
14	7·8	72	− 0·4	+ 1·9	78	2·0	2·1	− 1·4	25·8	25·7	24·3	23·7	...	23·2	23·1	c.f. .
15	9·6	88	+ 0·9	+ 1·6	119	1·8	1·9	− 1·6	25·9	25·7	24·3	23·8	...	23·5	23·6	c. c. .
16	0·0	0	+ 1·0	+ 0·8	141	1·3	1·5	− 2·0	25·9	25·7	24·3	24·1	...	23·8	23·9	o.g. : c.
17	4·5	41	+ 0·1	+ 0·6	100	0·6	1·4	− 2·1	25·7	25·4	24·4	24·0	...	23·7	23·6	b : c.f. : o.p.
18	5·5	50	− 1·5	+ 2·9	63	3·2	3·4	− 0·1	25·8	25·4	24·4	24·1	...	23·8	23·9	c: c.f. : o : : c .
19	10·0	92	− 0·6	+ 1·8	72	1·9	2·0	− 1·6	25·8	25·4	24·5	24·1	...	23·8	24·1	b c.f. : b.
20	9·6	88	− 1·2	+ 2·0	59	2·3	2·3	− 1·3	25·8	25·4	24·5	24·0	...	23·6	23·4	b : c.f. :. b.
21	8·4	77	− 1·7	+ 2·3	53	2·8	2·9	− 0·7	25·8	25·6	24·5	23·8	...	23·3	23·2	b : c.f .
22	10·3	94	− 1·6	+ 1·7	47	2·3	2·3	− 1·3	25·8	25·7	24·4	23·6	...	22·9	22·4	b
23	10·2	94	− 1·7	+ 1·9	48	2·5	2·6	− 1·0	25·7	25·4	24·3	23·0	...	21·9	21·1	b : : b .
24	10·4	95	− 1·5	+ 1·5	45	2·1	2·2	− 1·4	25·7	25·4	24·1	22·4	...	21·4	20·7	b . c. f. : b.
25	10·5	96	− 0·9	+ 1·9	65	2·1	2·2	− 1·4	25·7	25·3	23·9	22·0	...	21·1	20·4	.
26	9·8	90	+ 0·2	− 0·2	225	0·3	1·8	− 1·8	25·7	25·3	23·7	22·0	...	21·3	21·2	b. : b .
27	10·3	94	− 0·8	− 1·0	309	1·3	1·8	− 1·8	25·7	25·3	23·6	22·3	...	22·1	22·3	c.f. : b.
28	8·4	77	− 1·5	− 3·3	294	3·6	4·2	+ 0·6	25·7	25·1	23·5	22·6	...	22·2	21·9	c. f : : o .
29	9·3	85	− 2·3	− 0·4	350	2·3	2·5	− 1·1	25·7	25·2	23·4	22·4	...	21·8	21·3	b. : c. f. .
30	8·6	79	− 3·6	+ 2·5	35	4·4	4·6	+ 1·0	25·7	25·2	23·4	22·2	...	21·7	21·3	c.f.
																...
Mean	7·90	72·4	−1·01	+1·17	49·2	1·55	2·32	− 1·20	25·77	25·58	24·39	23·47	...	22·86	22·60	...
Average	7·45	68·3	−1·45	+2·62	61·0	3·00	3·52	...	25·45	25·43	...	...	...	22·63	22·50	...
Column	1	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JUNE 1925.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1015·1mbs	at	22h	on 30th	1006·2mbs	at 15h	on 27th
Temperature of the Air	26·4C	at	13h	on 17th	12·0C	at 6h30	on 24th
Daily range of temperature of the Air...	12·4C		...	on 25th	4·9C	...	on 18st
Temperature of the Dew Point	21·1C	at	17h, 11h	on 16th, 17th	10·8C	at 6h	on 24th
Daily range of temperature of the Dew Point	5·6C		...	on 1st	1·9C	...	on 13th
Relative humidity...	97·3%	at	7h	on 23rd	47·5%	at 11h	on 7th
Wind Velocity	8·4 m.p.s.	at	11h	on 30th	0·6mps		often
Rainfall	21·6mm.	ending	19h	on 17th	..	...	...
Temperature of the soil at 3 ins. ...	25·6C	at	18h	on 19th	18·6C	at 9h	on 25th
,, ,, at 6 ins. ...	24·5C	at	18h	on 19th	20·3C	at 12h	on 25th
Duration of sunshine...	10·5 hrs.		...	on 25th	0·0 hrs.	...	on 16th
Amount of Evaporation in 24 hours	6·1mm.		...	on 17th	1·9 m.m.	...	on 13th
Vapour Tension	24·8mbs	at	17h, 11h	on 16th, 17th	12·9 mbs	at 6h	on 24th
Minimum on Grass	...		...	...	7·1C	...	on 23th

Number of Days Overcast, 6, Clear 10, of Rain 12, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 22·76C Average 22·26C, Mean Night Temperature of Air 18·44C Average 18·74C

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

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 1925.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0077	0090	0107	0118	0117	0119	0115	0131	0129	0114	0100	0094	0104	0115	0103	0093	Midnight
1h	0076	0089	0107	0116	0113	0118	0116	0130	0127	0110	0099	0089	0102	0115	0100	0090	1h
2	0075	0088	0106	0114	0110	0117	0114	0129	0125	0107	0097	0087	0099	0114	0099	0089	2
3	0069	0085	0102	0110	0108	0116	0110	0127	0120	0102	0095	0086	0098	0110	0097	0087	3
4	0068	0085	0102	0111	0108	0116	0109	0126	0117	0100	0093	0085	0097	0109	0097	0084	4
5	0068	0086	0101	0112	0109	0115	0108	0125	0115	0099	0088	0084	0096	0109	0097	0085	5
6	0069	0086	0105	0113	0110	0116	0110	0125	0116	0102	0087	0086	0097	0110	0098	0086	6
7	0075	0094	0110	0120	0115	0119	0115	0126	0123	0105	0091	0089	0106	0117	0103	0092	7
8	0078	0099	0114	0125	0119	0122	0121	0130	0125	0110	0096	0094	0110	0122	0105	0099	8
9	0080	0100	0119	0127	0124	0124	0125	0135	0126	0115	0099	0099	0115	0125	0106	0102	9
10	0083	0100	0121	0127	0124	0125	0125	0137	0125	0113	0104	0100	0110	0123	0105	0104	10
11	0080	0099	0117	0126	0117	0124	0120	0131	0120	0107	0101	0097	0107	0117	0102	0101	11
Noon	0077	0094	0109	0117	0108	0116	0116	0125	0117	0100	0096	0096	0104	0110	0095	0097	Noon
13h	0070	0088	0100	0106	0099	0106	0104	0116	0106	0095	0086	0086	0098	0102	0084	0086	13h
14	0068	0084	0098	0101	0096	0103	0099	0112	0099	0089	0079	0081	0096	0096	0078	0078	14
15	0067	0085	0098	0099	0096	0099	0098	0109	0098	0088	0078	0083	0096	0094	0078	0084	15
16	0069	0089	0097	0099	0096	0099	0099	0110	0098	0089	0077	0087	0098	0095	0080	0086	16
17	0074	0091	0099	0100	0098	0104	0106	0114	0098	0094	0078	0089	0099	0098	0083	0088	17
18	0077	0096	0107	0106	0100	0106	0113	0119	0102	0096	0081	0095	0105	0100	0086	0093	18
19	0080	0100	0114	0111	0106	0109	0119	0124	0106	0099	0087	0099	0107	0104	0089	0095	19
20	0086	0104	0117	0116	0111	0113	0127	0127	0110	0101	0094	0104	0113	0106	0095	0100	20
21	0087	0107	0122	0119	0117	0115	0130	0130	0114	0104	0095	0104	0115	0106	0097	0102	21
22	0090	0109	0124	0119	0119	0118	0132	0133	0116	0102	0096	0105	0116	0107	0097	0106	22
23	0092	0109	0119	0118	0119	0116	0132	0135	0117	0100	0095	0104	0115	0106	0096	0104	23

Hour / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0104	0118	0118	0118	0129	0132	0139	0144	0132	0090	0075	0083	0109	0143	...	1011·2	Midnight
1h	0102	0117	0117	0118	0128	0131	0138	0140	0130	0088	0074	0082	0109	0141	...	1011·0	1h
2	0100	0112	0110	0110	0122	0130	0137	0138	0122	0086	0072	0080	0103	0138	..	1010·8	2
3	0098	0110	0107	0108	0120	0127	0132	0134	0119	0081	0071	0078	0102	0130	...	1010·5	3
4	0097	0109	0103	0108	0118	0122	0132	0132	0118	0080	0070	0076	0101	0129	...	1010·3	4
5	0098	0108	0103	0109	0116	0121	0132	0132	0117	0079	0070	0075	0101	0125	...	1010·3	5
6	0102	0109	0107	0113	0118	0122	0133	0133	0116	0080	0072	0077	0103	0130	...	1010·4	6
7	0106	0111	0112	0118	0122	0128	0139	0138	0118	0079	0078	0082	0110	0138	.	1010·9	7
8	0110	0120	0119	0125	0128	0130	0144	0142	0119	0082	0080	0087	0119	0143	...	1011·4	8
9	0118	0121	0122	0128	0133	0137	0149	0145	0120	0087	0083	0088	0123	0150	...	1011·7	9
10	0117	0120	0122	0129	0132	0138	0150	0146	0118	0086	0081	0087	0127	0150	...	1011·8	10
11	0115	0117	0120	0127	0130	0137	0145	0143	0112	0083	0080	0085	0121	0148	...	1011·4	11
Noon	0110	0110	0113	0122	0127	0130	0139	0135	0105	0078	0072	0080	0117	0142	...	1010·9	Noon
13h	0099	0101	0102	0115	0118	0121	0130	0127	0097	0071	0069	0074	0106	0135	...	1010·0	13h
14	0097	0099	0096	0109	0115	0116	0126	0122	0091	0065	0067	0071	0102	0131	...	1009·9	14
15	0098	0098	0092	0107	0112	0112	0123	0121	0090	0063	0062	0069	0103	0131	...	1009·8	15
16	0099	0099	0097	0109	0112	0114	0123	0119	0091	0063	0066	0071	0107	0129	...	1009·6	16
17	0103	0102	0099	0113	0113	0118	0127	0120	0092	0066	0070	0077	0114	0137	...	1009·9	17
18	0107	0108	0107	0117	0117	0125	0133	0122	0093	0070	0073	0083	0128	0144	...	1010·4	18
19	0109	0113	0110	0120	0120	0130	0138	0128	0095	0073	0077	0089	0131	0147	...	1010·8	19
20	0113	0114	0118	0126	0126	0133	0142	0130	0095	0077	0080	0098	0136	0149	..	1011·2	20
21	0117	0119	0119	0128	0131	0138	0145	0137	0097	0078	0082	0109	0139	0150	...	1011·5	21
22	0118	0120	0120	0130	0133	0139	0146	0138	0096	0078	0083	0110	0143	0151	...	1011·6	22
23	0118	0119	0120	0130	0133	0139	0147	0137	0090	0077	0083	0110	0142	0150	...	1011·6	23

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

Hour. \ Day.	JUNE 1925.																															Mean.
	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	...	
Midnight	1	0	0	0	0	2	9	3	1	5	6	5	9	5	5	10	1	10	2	0	1	0	0	0	0	0	5	3	5	5	...	3·1
1h	1	0	0	0	0	4	9	5	1	6	9	6	9	5	8	10	1	10	1	1	1	0	0	0	0	0	4	3	3	4	...	3·4
2	1	0	0	0	0	5	9	6	1	6	9	5	9	5	9	10	1	10	1	1	1	0	0	0	0	0	3	4	1	6	...	3·4
3	1	0	0	0	0	8	9	8	1	6	9	4	10	7	9	10	1	10	1	1	1	0	0	0	0	0	3	4	0	6	...	3·6
4	0	0	0	0	0	6	9	6	1	7	9	8	10	7	9	10	1	9	1	1	1	0	0	0	0	0	3	5	0	5	...	3·6
5	1	1	1	0	0	6	9	5	2	7	9	7	10	5	8	10	2	9	2	1	1	0	1	1	0	0	3	5	1	4	...	3·7
6	1	2	1	1	1	4	9	4	3	7	9	5	10	2	6	10	2	9	3	1	1	0	2	2	1	1	4	5	2	6	...	3·8
7	1	2	2	1	1	6	9	3	8	7	9	5	10	4	3	9	2	8	2	1	2	0	3	2	1	2	3	5	2	7	...	4·0
8	1	0	2	0	1	3	9	1	5	3	5	5	10	8	3	9	2	7	2	2	2	0	3	2	0	3	2	5	1	6	...	3·4
9	1	0	1	0	0	3	8	1	3	2	5	4	10	6	4	9	4	6	3	2	3	1	3	2	0	3	1	6	1	5	...	3·2
10	1	1	1	0	1	6	7	4	2	3	7	5	10	5	5	9	4	5	5	3	3	3	6	2	0	7	2	6	2	6	...	4·0
11	3	3	2	1	1	7	8	5	2	4	7	6	10	6	7	9	7	5	5	3	4	3	6	3	3	7	3	4	3	6	...	4·8
Noon	7	5	4	3	3	7	7	3	6	4	7	7	10	7	6	9	8	7	5	3	5	2	4	3	2	6	3	3	6	5	...	5·2
13h	9	7	5	3	6	7	7	3	6	7	6	8	10	7	7	9	9	9	3	5	8	2	5	3	3	5	4	7	7	7	...	6·1
14	7	10	6	5	7	7	6	3	6	8	7	8	10	6	7	9	10	10	3	6	6	2	3	3	3	5	3	7	6	7	...	6·2
15	10	9	7	9	7	8	4	3	6	8	8	9	9	7	7	9	10	10	5	6	4	3	2	3	4	3	4	7	5	7	...	6·4
16	9	9	8	8	5	8	3	3	5	9	8	9	10	7	6	9	10	10	4	4	7	3	2	3	3	4	3	8	7	8	...	6·4
17	9	7	9	7	3	8	2	2	4	9	7	9	10	6	5	9	10	10	3	3	9	2	3	2	2	5	2	7	8	8	...	6·0
18	9	8	9	4	2	9	2	2	4	9	7	9	10	6	9	9	10	9	3	2	9	2	2	2	2	4	1	6	9	9	...	5·9
19	9	7	8	3	2	9	2	2	2	8	8	9	7	4	8	9	10	9	1	1	10	1	2	1	2	5	1	2	7	8	...	5·2
20	8	4	2	2	1	8	2	2	1	5	7	9	6	2	9	8	10	9	1	1	8	0	1	1	1	8	1	6	4	4	...	4·4
21	5	2	1	2	1	9	2	2	2	2	7	9	4	2	9	6	9	9	1	0	4	0	1	1	1	10	1	10	2	8	...	4·1
22	2	1	0	1	1	9	2	2	3	3	6	9	4	1	9	5	10	7	0	1	2	0	0	0	0	8	1	10	3	7	...	3·6
23	1	0	0	0	1	9	3	1	4	4	7	9	4	1	10	4	10	4	0	1	1	0	0	0	0	7	2	10	5	8	...	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.	JUNE 1925.																															Total.
	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	...	
	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	20	20	19	18	20	12	0	0	0	0	0	10	0	5	6	0	9	2	5	0	0	22	0	5	20	15	15	2	3	0	...	3·8
8	60	60	60	60	60	60	1	50	60	50	48	60	2	12	60	0	60	60	60	40	45	60	45	60	60	60	55	58	50	40	...	24·3
9	60	60	60	60	60	60	19	60	60	60	60	60	15	25	60	0	60	60	60	59	60	60	60	60	60	60	60	45	60	59	...	26·7
10	60	60	60	60	60	58	58	60	60	60	3	55	1	42	60	0	60	58	60	60	60	60	60	60	60	40	60	60	55	60	...	26·2
11	36	60	60	60	60	52	60	60	60	60	35	40	0	60	47	0	48	59	60	60	60	60	60	60	60	59	60	60	60	55	...	26·2
Noon	12	59	58	60	60	60	42	60	60	60	50	55	0	52	55	0	13	60	60	60	60	60	60	60	60	60	60	60	60	50	...	25·4
13h	10	31	60	60	45	55	60	60	60	48	55	3	0	55	60	0	10	28	60	60	54	60	60	60	60	58	60	48	50	54	...	23·1
14	20	0	60	60	48	43	60	60	58	20	60	15	0	54	55	0	11	1	60	60	60	60	60	60	60	60	60	33	52	45	...	21·6
15	0	16	58	40	8	53	60	60	60	46	18	3	0	60	55	0	0	0	60	59	60	58	60	60	60	60	60	46	60	44	...	20·4
16	0	1	40	10	60	21	60	60	60	50	23	0	0	56	59	0	0	0	58	55	48	58	60	60	55	60	60	60	50	60	...	19·7
17	0	21	14	55	50	5	60	60	19	18	49	0	0	34	59	0	0	0	45	50	0	59	60	60	59	50	60	32	58	50	...	17·1
18	0	1	0	1	2	0	13	18	5	0	0	0	0	12	0	0	0	0	13	11	0	1	25	20	15	8	8	0	2	0	...	2·6
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 237·1 hours and the total possible sunshine 327·5 hours.

* Reckoned from apparent midnight.

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 1925.

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

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

TABLE XI. (*Contd.*)—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 1925

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.	
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Midnight	20·3	0·9	22·2	1·0	21·2	1·3	19·4	1·2	17·9	0·9	18·2	1·6	13·7	0·8	14·0	0·5	Midnight
1h	20·2	0·9	22·0	1·0	20·9	1·0	19·1	1·0	18·6	1·1	18·0	2·0	13·6	0·9	14·0	0·5	1h
2	19·7	0·8	21·8	1·1	20·0	1·0	19·1	1·1	19·0	1·0	17·4	1·7	13·1	0·7	13·9	0·4	2
3	19·4	0·7	21·1	1·2	20·0	1·0	19·0	1·0	19·9	1·4	16·6	1·6	12·7	0·6	15·3	1·4	3
4	19·1	0·8	20·9	1·5	19·6	0·9	18·5	0·8	19·1	1·1	15·7	1·2	12·7	0·5	14·3	1·3	4
5	19·1	0·7	21·0	1·9	19·3	0·6	17·7	0·7	19·1	1·1	15·0	0·9	12·8	0·8	13·0	1·0	5
6	19·0	0·7	21·0	2·6	19·4	0·8	17·7	0·5	19·3	1·3	15·5	1·5	12·9	0·9	12·3	0·8	6
7	18·7	0·7	21·1	1·8	19·4	0·7	17·5	0·6	19·2	1·2	14·6	0·6	12·8	0·2	12·1	0·6	7
8	21·0	1·0	23·2	3·2	21·8	1·3	19·3	0·8	21·0	1·2	20·1	3·1	15·7	0·7	15·5	0·5	8
9	23·8	1·8	24·3	3·1	23·3	1·8	23·4	2·0	23·5	2·3	21·5	3·5	20·2	2·9	20·5	3·2	9
10	24·8	2·7	25·0	3·7	25·0	3·7	24·7	3·4	24·4	3·2	22·9	4·7	22·7	5·3	22·6	5·4	10
11	26·0	2·9	25·3	3·6	25·2	3·7	25·4	4·2	24·8	3·8	23·7	5·5	23·1	5·3	23·4	5·9	11
Noon	25·7	2·9	25·2	3·5	25·5	4·1	25·9	4·5	24·8	3·9	24·0	6·5	23·6	5·6	23·9	6·7	Noon
13h	26·3	3·3	24·2	2·9	25·6	4·1	26·2	4·4	24·3	3·4	24·1	6·6	23·9	5·9	24·0	6·1	13h
14	25·2	2·6	23·3	2·8	25·5	4·3	25·1	3·6	24·9	3·9	24·2	5·9	23·6	5·9	23·8	5·5	14
15	24·1	1·5	22·8	2·1	25·2	4·0	24·4	3·2	24·9	4·8	23·7	5·0	23·1	5·5	23·5	5·7	15
16	22·9	1·2	22·0	1·6	24·6	3·4	24·6	3·6	24·1	3·6	23·0	4·9	22·8	5·5	22·8	5·6	16
17	22·3	0·9	21·7	1·5	23·4	2·5	23·1	2·3	23·1	2·6	21·9	4·0	21·4	4·4	21·4	4·5	17
18	22·1	0·9	21·3	1·3	22·3	1·8	22·1	1·8	21·3	1·6	20·1	2·9	19·1	2·9	19·2	2·8	18
19	22·1	0·9	21·3	1·4	21·3	1·3	21·4	1·6	21·0	1·3	17·5	1·6	17·2	2·0	16·4	1·6	19
20	21·8	1·0	21·0	1·3	20·4	1·3	20·8	1·4	21·0	1·8	16·4	1·4	16·0	1·6	15·2	1·2	20
21	22·1	1·0	21·0	1·0	20·0	1·1	20·6	1·3	20·2	1·4	15·9	1·9	15·4	1·4	14·7	1·4	21
22	22·1	1·1	21·1	1·1	19·7	1·2	20·3	1·3	19·2	1·2	15·0	1·6	15·1	1·1	14·3	1·3	22
23	22·0	1·0	21·0	1·1	19·1	1·0	18·7	0·9	18·6	1·4	14·3	1·3	14·7	0·7	13·7	0·7	23

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

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

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

JUNE 1925.

Hour \ Day.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	896	890	882	912	885	910	900	882	881	904	880	913	886	900	887	913	Midnight
1h	895	889	883	911	882	912	879	900	878	905	876	916	887	900	886	914	1h
2	893	885	890	907	876	915	878	900	885	903	881	913	885	900	882	918	2
3	884	903	890	907	884	911	875	900	886	903	876	916	889	900	891	909	3
4	887	913	886	910	885	910	875	900	879	904	877	915	886	900	887	913	4
5	888	912	884	911	884	911	878	900	884	903	878	914	881	900	889	911	5
6	889	911	888	909	881	912	879	900	878	905	878	914	880	900	890	910	6
7	890	910	891	907	880	913	875	900	876	905	882	912	880	900	887	913	7
8	896	904	893	904	890	907	889	900	882	904	891	907	885	900	894	906	8
9	896	904	892	908	895	903	894	900	873	906	893	904	885	900	889	911	9
10	894	906	890	914	894	904	894	900	866	913	876	905	871	929	881	929	10
11	896	909	900	916	892	906	891	900	880	920	873	911	895	925	884	940	11
Noon	894	913	903	917	893	893	897	883	885	915	867	913	882	918	884	940	Noon
13h	918	908	901	906	895	876	890	875	880	920	883	903	888	918	876	936	13h
14	881	900	906	928	900	870	894	870	882	918	883	907	885	938	870	946	14
15	890	896	900	924	900	883	906	885	878	922	885	915	880	930	872	941	15
16	894	898	894	914	904	891	910	915	865	923	884	916	879	921	875	937	16
17	894	898	890	910	904	890	907	910	869	921	883	907	886	914	878	922	17
18	890	900	882	918	907	884	908	910	875	917	888	902	891	909	892	908	18
19	893	900	883	917	906	886	884	907	878	914	893	900	885	915	895	905	19
20	889	902	884	911	906	887	886	906	874	917	882	900	887	913	892	908	20
21	888	902	887	909	906	887	890	904	875	917	887	900	887	913	892	908	21
22	884	903	883	911	907	883	878	909	873	918	889	900	885	915	891	909	22
23	885	910	876	915	907	884	880	908	875	917	881	900	887	913	894	906	23

Hour \ Day.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	894	906	884	916	885	915	900	911	908	908	894	908	900	915	900	911	Midnight
1h	889	911	878	922	892	918	900	906	908	908	891	913	900	908	900	916	1h
2	889	911	879	921	905	924	900	912	909	909	890	914	900	914	900	914	2
3	887	913	887	919	900	923	893	909	910	910	891	912	900	913	900	914	3
4	884	916	884	924	900	926	892	911	906	914	890	914	903	908	900	912	4
5	892	908	878	922	888	919	891	913	891	913	890	915	903	915	900	912	5
6	892	908	885	938	885	915	890	915	895	907	893	909	902	909	900	911	6
7	892	908	876	936	884	924	892	911	893	909	892	910	901	907	900	912	7
8	891	909	880	930	906	930	896	907	892	908	890	914	902	912	900	910	8
9	875	925	874	939	909	943	900	914	890	908	900	918	911	927	900	913	9
10	875	937	875	961	910	948	917	917	887	913	900	932	914	936	919	919	10
11	872	942	877	955	910	947	923	923	894	915	900	936	921	932	928	911	11
Noon	863	937	900	958	908	940	924	916	902	910	889	926	931	931	931	906	Noon
13h	869	946	890	947	916	939	919	913	900	924	906	931	922	933	933	900	13h
14	864	955	900	948	917	942	919	913	900	927	907	932	922	932	928	906	14
15	865	953	910	947	914	934	921	914	895	911	906	930	927	927	921	904	15
16	871	943	900	939	913	932	913	913	893	916	900	933	919	919	913	903	16
17	874	939	905	924	905	926	906	904	884	924	896	920	912	912	908	902	17
18	877	923	900	920	900	917	905	903	894	908	897	913	904	906	908	902	18
19	881	919	894	914	900	916	906	906	895	907	892	918	903	905	906	901	19
20	884	916	893	917	900	913	908	908	894	908	892	919	904	906	906	901	20
21	882	918	890	923	900	907	904	904	896	906	892	919	908	908	907	901	21
22	888	918	894	913	900	910	909	909	893	910	894	913	902	911	912	902	22
23	887	920	892	919	900	912	908	908	892	910	900	916	901	907	911	902	23

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

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

JUNE 1925.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	912	902	880	920	890	915	895	907	896	904	893	916	894	902	889	911	Midnight
1h	913	903	885	923	889	916	893	909	886	914	889	916	894	902	894	906	1h
2	911	902	883	917	888	918	889	917	887	913	890	915	894	902	894	906	2
3	918	904	883	917	890	915	891	913	887	913	886	922	894	902	878	922	3
4	915	903	881	929	890	915	893	910	887	913	885	915	889	905	885	910	4
5	913	903	872	928	889	917	893	910	888	912	885	915	890	904	894	902	5
6	916	907	878	922	888	918	893	909	885	915	896	904	890	904	894	903	6
7	891	913	870	930	892	910	896	906	889	908	892	908	889	905	894	903	7
8	895	907	880	920	891	913	897	905	884	911	878	922	887	906	891	904	8
9	897	905	873	941	888	919	885	924	878	933	891	913	882	918	878	909	9
10	896	906	880	948	900	934	892	939	876	936	874	939	877	935	875	937	10
11	895	889	877	955	901	933	883	941	876	936	868	932	871	944	872	941	11
Noon	903	887	900	959	900	931	876	936	883	943	865	935	868	947	876	936	Noon
13h	900	885	900	944	906	928	883	943	882	945	878	932	872	942	874	940	13h
14	908	911	900	946	911	929	875	937	867	933	870	930	867	949	871	929	14
15	909	907	878	932	887	933	872	941	863	937	873	927	872	941	877	935	15
16	905	905	878	933	891	922	887	933	884	939	872	928	869	931	875	925	16
17	900	911	881	929	892	919	889	927	883	917	875	925	869	931	878	922	17
18	900	906	888	919	893	909	885	915	890	915	893	905	887	913	891	907	18
19	900	907	888	919	893	909	886	914	890	915	894	902	888	912	895	903	19
20	900	914	895	911	893	909	888	912	888	918	894	902	883	917	895	903	20
21	890	915	900	934	893	910	887	913	883	917	894	902	889	911	895	903	21
22	882	918	894	915	893	910	892	908	878	922	894	902	892	908	890	907	22
23	875	925	889	916	893	909	894	906	889	927	894	902	887	913	895	903	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		...		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	...	...	N.	E.	
Midnight	890	907	893	916	891	904	889	900	879	896	879	904	..	...	891	907	Midnight
1h	891	907	894	914	890	904	892	900	881	887	860	908	...	...	889	909	1h
2	890	907	895	911	891	904	888	900	891	887	857	917	...	...	890	909	2
3	882	912	889	916	889	905	900	872	892	900	872	906	...		890	909	3
4	890	907	892	911	889	905	906	869	894	900	886	900	...	...	890	909	4
5	882	912	890	914	888	905	900	867	892	900	864	900	..	...	888	909	5
6	883	911	880	917	885	906	908	859	885	900	855	909	...	...	888	909	6
7	890	907	893	909	883	907	893	867	882	900	859	917	..	...	887	909	7
8	891	907	894	908	894	903	900	859	885	897	864	907	...	...	890	907	8
9	889	917	896	906	894	902	908	863	885	894	859	927	...	...	889	913	9
10	886	935	920	908	894	903	912	843	868	887	857	943	...	...	889	922	10
11	885	938	922	900	900	883	900	837	874	889	841	959	...	...	890	922	11
Noon	877	934	934	887	892	863	889	845	860	884	851	949	...	...	891	918	Noon
13h	885	937	926	889	892	862	900	842	870	900	854	946	...	...	894	917	13h
14	900	941	922	878	900	861	875	839	863	875	856	944	...	...	891	918	14
15	900	936	912	870	900	869	877	845	864	886	854	946	...	...	890	917	15
16	889	929	910	877	886	866	847	865	860	900	870	946	...	...	888	917	16
17	895	923	900	877	880	870	863	875	865	907	864	936	...	...	888	913	17
18	898	911	900	880	893	884	859	859	858	900	874	917	...	...	891	906	18
19	898	908	900	884	898	894	864	845	882	900	873	918	...	...	891	905	19
20	898	909	894	899	896	890	867	887	868	907	864	924	...	...	890	908	20
21	897	913	894	899	895	889	862	885	872	900	875	925	...	...	891	908	21
22	896	920	894	899	895	889	859	883	879	909	875	917	...	...	890	908	22
23	897	914	891	898	895	889	888	902	894	902	869	921	...	...	891	909	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during MAY 1925.

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

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 1925.

Hour \ Day	1d. *		2d.		3d. *		4d. *		5d.		6d.		7d.		8d.		9d.	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	26	1·1	3	2·1	3	1·8	24	1·8	1	1·9	3	2·4	0	1·4	4	1·9	4	0·9
1h	26	1·2	3	2·0	3	2·1	d0	2·1	1	2·3	3	2·9	0	1·3	4	2·0	4	1·5
2	26	1·7	3	1·2	3	2·8	0	2·2	1	1·5	3	2·3	0	1·5	4	2·6	4	1·5
3	d 1	1·6	3	1·2	3	1·9	0	2·5	1	1·4	3	2·9	0	1·1	4	1·3	4	1·9
4	4	1·8	3	1·7	3	1·8	0	2·5	1	2·2	3	2·7	0	1·4	4	1·8	4	2·3
5	4	1·7	3	1·9	3	1·9	0	2·2	1	1·6	3	2·6	0	1·9	4	1·6	4	1·2
6	4	1·6	3	1·5	3	2·2	0	2·1	1	2·3	3	2·6	0	2·0	4	1·4	4	1·2
7	4	1·4	3	1·1	3	2·4	0	2·5	1	2·5	3	2·1	0	2·0	4	1·8	4	1·1
8	4	0·6	3	0·8	3	1·2	0	1·1	1	1·8	3	1·1	0	1·5	4	0·8	4	1·3
9	4	0·6	4	1·2	3	0·6	0	0·6	1	2·8	3	0·8	0	1·5	4	1·6	4	3·6
10	4	0·8	5	1·7	3	0·7	0	0·6	2	3·6	1	2·5	4	4·2	5	3·5	5	4·5
11	6	1·0	8	1·6	3	1·0	0	0·9	4	2·8	2	2·9	7	2·6	6	4·3	5	5·1
Noon	6	1·4	9	1·7	r28	1·0	r25	1·7	4	2·1	2	3·5	4	2·6	6	4·3	4	5·3
13h	14	2·0	9	0·6	25	2·5	26	2·7	4	2·8	1	1·7	5	2·1	5	4·3	5	5·6
14	0	1·9	9	2·9	24	3·0	25	3·1	4	2·5	2	1·9	6	4·1	5	5·5	5	6·6
15	r30	1·1	8	2·4	24	1·7	23	1·6	4	3·2	4	2·1	5	3·6	5	5·0	5	6·4
16	30	0·6	6	1·5	22	1·0	r11	1·8	3	4·2	4	2·3	4	3·0	5	4·5	5	5·2
17	30	0·6	4	1·4	22	1·1	11	1·2	3	3·7	2	1·9	4	2·0	4	3·1	5	4·7
18	d 0	1·0	4	2·6	22	1·8	11	1·3	3	3·0	1	1·2	4	1·3	4	1·1	4	3·3
19	0	0·7	4	2·4	22	1·5	r 2	1·8	3	2·6	0	0·7	4	2·1	4	0·7	4	2·7
20	1	1·1	3	1·9	22	1·4	2	1·5	3	3·1	0	1·8	4	1·8	4	1·1	4	2·3
21	1	1·2	3	1·6	22	1·4	2	1·1	3	3·0	0	1·3	4	1·8	4	1·1	4	2·6
22	1	1·6	3	2·0	22	1·9	2	2·4	3	3·3	0	1·1	4	2·2	4	1·3	5	2·1
23	3	1·8	3	2·8	22	1·8	2	2·2	3	3·0	0	1·9	4	1·8	4	0·8	5	2·4

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

Hour \ Day	17d. *		18d.		19d.		20d.		21d.		22d.		23d.		24d		25d.	
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.
Midnight	15	1·2	4	2·9	5	1·8	5	0·9	4	0·6	6	1·8	2	0·6	4	1·5	3	1·2
1h	15	1·3	5	2·7	5	1·9	5	1·1	4	2·0	5	1·9	2	0·6	4	0·9	3	1·1
2	15	1·1	4	2·4	5	2·1	5	2·0	4	1·9	5	1·8	2	0·6	4	0·9	3	1·2
3	15	1·8	4	2·4	5	1·8	5	1·6	4	1·9	5	2·6	2	0·6	4	3·2	3	2·1
4	15	1·5	5	3·5	5	1·8	5	1·2	4	1·8	4	2·2	2	1·2	3	1·8	3	1·2
5	15	1·3	4	4·0	5	2·0	5	1·2	4	1·7	4	2·1	2	1·1	2	0·6	3	2·1
6	14	1·8	4	3·2	5	2·1	5	1·1	4	2·1	4	0·6	2	1·1	2	0·7	3	2·0
7	5	1·6	4	4·3	5	1·3	5	0·7	3	1·4	4	1·1	2	1·2	2	0·7	3	1·2
8	5	0·9	4	2·8	5	1·6	5	0·6	3	1·9	4	3·1	2	1·4	2	1·0	3	1·1
9	5	0·6	5	4·9	5	2·2	5	2·8	5	4·0	5	1·6	4	2·6	2	2·4	5	2·0
10	5	0·7	6	5·2	8	3·4	7	4·0	5	4·4	5	4·7	5	4·2	5	4·5	6	3·8
11	r26	1·2	6	6·0	9	3·4	6	4·4	5	4·4	4	4·5	5	5·3	5	5·0	6	4·1
Noon	23	1·3	8	5·9	8	3·1	5	4·4	6	4·6	4	5·0	5	5·7	5	4·4	5	4·1
13h	24	1·5	8	4·4	9	2·9	6	4·6	6	4·9	5	3·9	5	5·1	5	4·8	6	4·0
14	d11	1·4	8	4·6	10	3·1	5	4·5	4	4·7	4	4·3	5	5·9	4	4·2	8	4·1
15	13	1·1	5	3·9	6	3·5	5	5·0	4	5·3	4	3·8	5	5·0	5	4·2	8	3·6
16	12	0·7	5	4·0	6	2·4	6	3·5	6	4·2	4	4·0	4	4·4	4	3·5	6	3·1
17	8	1·1	5	3·5	6	2·1	6	2·9	4	2·4	4	3·5	4	4·4	4	3·1	7	2·4
18	8	0·6	5	2·2	5	1·1	4	2·1	5	1·8	3	0·9	4	1·8	3	1·1	7	1·1
19	8	0·7	5	2·2	5	1·1	4	2·0	5	1·8	2	0·6	4	1·7	3	0·6	7	0·8
20	8	1·4	6	1·2	5	1·1	4	1·7	5	2·1	2	0·6	4	2·4	3	0·6	7	0·9
21	5	1·8	8	3·4	5	1·2	4	1·8	4	2·4	2	0·6	4	1·6	3	0·6	7	1·3
22	4	2·6	6	1·6	5	1·2	4	1·2	4	3·1	2	0·6	4	1·1	3	1·2	7	2·0
23	4	3·5	5	1·9	5	1·1	4	0·9	6	2·9	2	0·6	4	1·8	3	0·6	7	1·4

Hour \ Day	26d. *		27d. *		28d. *		29d. *		30d.		...		Mean
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	...	...	Velocity
Midnight	6	1·8	2	1·0	0	1·1	31	2·1	1	2·1	...	...	1·5
1h	6	1·5	2	1·1	0	0·8	29	2·3	1	4·1	...	...	1·7
2	6	1·2	2	1·0	0	1·2	27	1·6	2	4·6	...	...	1·8
3	5	1·9	2	1·2	r24	2·8	d 0	0·8	1	2·9	...	...	1·8
4	5	1·4	2	1·2	23	3·2	0	0·6	0	1·4	...	...	1·8
5	5	1·7	2	1·3	24	3·3	0	0·8	0	3·6	...	...	1·9
6	5	2·0	2	1·6	23	4·2	0	1·5	1	4·6	...	...	1·9
7	5	1·1	2	1·9	25	3·4	0	1·8	2	4·4	...	...	1·9
8	5	1·0	2	0·7	24	4·1	r31	1·5	1	3·7	...	...	1·6
9	5	0·7	2	0·6	23	3·8	30	1·6	2	4·9	...	...	2·2
10	14	2·2	2	0·7	23	5·8	30	3·4	4	6·2	...	...	3·4
11	16	2·2	r24	1·7	24	6·3	30	2·8	4	8·4	...	...	3·6
Noon	18	3·6	25	3·8	25	5·6	30	4·3	4	7·0	...	...	3·7
13h	18	2·8	25	3·9	24	5·8	d 0	3·0	4	6·5		...	3·6
14	20	3·1	24	3·9	26	6·6	r29	4·5	4	6·3	...	...	3·9
15	22	3·2	24	3·1	26	6·0	30	3·9	4	6·5	...	...	3·5
16	22	2·5	26	3·7	29	6·4	d 0	4·0	5	5·5	...	...	3·1
17	24	2·3	27	3·6	29	4·5	1	3·6	4	5·2	...	...	2·6
18	24	2·0	26	1·8	28	5·9	0	4·2	3	3·1	...	...	1·8
19	24	1·6	26	0·6	27	6·6	0	1·8	3	3·3	...	...	1·6
20	31	0·6	26	1·1	30	3·5	1	3·3	3	4·3	...	...	1·7
21	31	0·6	26	1·2	30	4·1	0	2·8	4	3·6	...	...	1·7
22	31	0·6	26	1·2	30	4·4	2	2·3	3	3·0	...	...	1·8
23	31	0·9	26	1·2	d 1	1·2	2	0·6	3	3·7	...	...	1·7

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JUNE, 1925.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of JUNE 1925.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	2·21	56·1	64.5	8
	3	Belmont	50	1·69	42·9	85·3	5
	4	Poudre d'Or	20	1·72	43.7	83·6	4
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	1·87	47·6	83·3	6
	9	Beau Séjour	300	3·48	88·4	111·2	11
	10	Mont Piton	360	2·95	74·9	142·0	9
	11	Mon Choix	700	2·68	68·1	134·1	8
	12	Antoinette	640	3·57	90·7	122·2	8
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	0·83	21·1	155·9	8
	15	Mon Songe§	620	...	...	...	...
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount	325	2·61	66.3	109·5	11
	18	Botanic Gardens ..	325	1.75	44·4	81·0	9
	19	The Observatory ...	179	2·11	53·6	65·5	12
	20	Solitude§	175	...	...	...	...
	21	St. André	90	1·54	39·1	43·7	6
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	..
	25	Esperance (Trebuchet)*	165	1·98	50·3	...	7
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	0·00	0·00	...	0
	49	Poudre d'Or Station* ...	772	0·47	11·9	...	2
	50	Rivière du Rempart* ...	134	0·23	5·8	...	2
2 & 3	1	Union Régnard S.E. ...	600	2·45	62·2	164·6	11
	2	Constance d'Arifat L.G.	100	0·96	24·4	116·8	6
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	2·39	60·7	130·3	10
	5	Constance (Manès)§ ...	..	...	...	...	...
	6	Queen Victoria§ ...	.	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	2·36	59·9	...	11
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile	400	1·80	45·7	...	6
	3	Beau Champ	20	1·97	50·0	122·7	8
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	2·69	68·3	155·2	9
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	3·75	95·2	...	21
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	..
	4	Beau Vallon	60	0·55	14·0	110·2	9
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	2·52	64·0	...	10
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	5·77	146·6	375·2	15
	2	Tivoli*	1,300	5.12	130·0	...	13
	3	La Flora*	1,050	3·14	79·8	...	11
	4	Britannia	730	3·36	85·3	226 8	16
	5	Savannah (Mill) ...	200	1·35	34 3	175·5	8
	6	St. Aubin§	300	...	...		...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold§	900	...	...	...	...
	10	Terracine§	100	...	...	.	...
	11	St. Félix S.E.§	...	...	...	..	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	2·14	54·4	...	8
	15	Fontenelle*	...	2·71	68·8	...	7
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	..	...	...
7, 8 & 9	1	Bel Ombre	40	0·89	22·6	106·4	8
	3	Beau Champ*	...	0·97	24·6	..	5
	4	Board*	...	1·24	31·5	...	6
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ..	1,840	3·55	90·2	201·7	15
	3	Mare aux Vacoas ...	1,850	5·04	128.0	279·9	13
	4	La Marie Filter Bed ...	1,700	2·26	57·4	164·1	11
	5	Réunion	1,420	1·38	35·1	105·9	9
12	1	The Manse	850	1·38	35·1	56·6	15
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	1·58	40·1	65·0	27
	4	Alma	1,460	3·10	78·7	206·0	11
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	1·87	47·5	...	10
	7	Trianon	950	1·21	30·7	75·4	8
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·65	16·5	...	4
	10	Bon Air§	1,050	...	...	..	...
	11	Val Ory	1,100	1·86	47·2	95·0	14
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	..
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	1·51	38·4	...	9
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	0·97	24·6	...	4

* Normals not available. § Record not Received.

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 1925.

Day. \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		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
	h	°		°		°		°		°				h	°		°		°		°		°		°	
1	9¾	315	0·8	...	...	315	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	12¾	...	...	300	0·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
3	12¼	...	...	60	0·6	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	15¼	60	0·5	45	0·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	12¾	...	...	280	0·3	...	...	...	...	...	...	...	...	14¾	300	0·6	270	0·2	...	...	...	...	...	..	...	...
6	10	315	0·5	315	0·6	...	...	...	...	...	...	...	...	15¼	...	...	330	0·3	360	0·4	...	...	...	...	...	...
7	10	290	0·4	300	0·6	...	...	...	...	...	...	...	...	15	310	0·4	310	0·5	...	..	...	...	...	...	...	...
8	9½	315	0·7	300	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	12½	330	0·3	...	...	...	...	...	...	...	...	90	0·4	14¾	300	0·6	...	...	300	0·2	...	...	..	...	310	0·2
10	9½	285	0·7	...	0·6	...	...	...	...	...	...	...	...	12¼	...	...	...	...	300	0·6	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	9¼	...	...	225	0·7	...	...	...	...	...	...	.	...	. .	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	..	15¼	...	...	285	0·2	...	...	...	...	...	...	...	...
14	10	270	0·5	300	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
15	...	...	...	..	...	...	...	...	...	...	...	...	...	17¼	...	...	...	...	120	0·3	120	0·5	...	...	...	...
16	10	300	0·8	...	...	...	...	...	...	...	...	...	...	15¼	...	...	270	0·2	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	12¼	345	0·4	255	0·3	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	9	270	2·0	255	2·3	...	...	...	...	...	...	...	..	16¼	300	1·4	285	1·1	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	. .	...	...	...	...	...	...	...
22	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...
24	10	315	0·8	315	0·3	...	...	...	...	...	...	...	...	12¼	300	1·3	300	0·5	...	...	...	...	...	...	...	...
25	...	...	...	..	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...
26	10¼	165	1·0	135	0·8	...	...	...	...	...	...	...	...	. .	...	...	...	...	...	...	...	...	...	...	...	. .
27	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	. ...	...	...	...	...	...	...	...	...	..
28	10	265	0·7	255	0·8	...	...	...	...	..	...	...	...	14.45	...	...	275	0·8	..	...	...	...	...	...	...	...
29	10¼	...	...	330	0·2	...	...	...	...	...	...	225	0·1	14	310	0·3	...	...	...	...	...	...	...	...	225	0·1
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

NEW SERIES (MONTHLY). VOL. XI. PART 7 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

JULY 1925

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

DIRECTOR.

Published by Authority of His Excellency the Governor

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NOTE—For purposes of upper air investigation the directions of the wind in Table VI and of the clouds in Table XVI now refer to directions from South through West to North and East. The directions in Table VII still refer to directions from South through East and will not be altered until January, 1926.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of JULY 1925

Month and Day. 1925	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
	° ′			′	Unit 1 γ	
JUNE						
1	11. 8·7	·22899	·29873	3·2	46	9
2	11. 9·6	898	869	4·3	25	11
3	11. 9·3	897	869	3·6	19	17
4	11. 9·2	905	869	3·4	29	17
5	11. 9·7	906	869	5·0	28	23
6	11. 9·5	903	865	4·0	14	21
7	11. 9·3	905	863	3·8	23	18
5	11. 9·5	906	860	4·2	19	23
9	11. 9·3	916	857	4·8	39	23
10	11. 9·4	916	856	5·4	42	12
11	11. 9·7	891	857	6·2	41	24
12	11. 9·5	905	858	4 8	29	19
13	11. 9·6	910	857	4·6	22	11
14	11. 9·3	907	857	4·2	13	10
15	11. 9·1	896	859	6·2	55	17
16	11.10·1	898	857	4·2	38	10
17	11.10.0	904	855	5·0	19	18
18	11.10·5	915	853	5·0	28	21
19	11.10·7	909	852	6·0	26	19
20	11.10·3	908	851	2·8	10	18
21	11. 9·9	910	848	5·0	50	27
22	11. 9·8	900	848	5·6	24	24
23	11.10·1	902	850	3·4	31	11
24	11. 9·7	900	850	6·0	20	10
25	11.10·1	907	847	4·0	22	15
26	11. 9·8	901	846	5·2	49	14
27	11. 9·7	900	846	5·8	20	12
28	11. 9·7	899	846	6·2	30	11
29	11.10·5	907	843	5·2	25	21
30	11.10·3	899	843	5·6	18	17
31	11·10·5	904	841	7·0	29	20
Mean	11· 9·75	·22904	·29855	4·83	28·5	16·9

Description of the Principal Magnetic disturbances.

The following notes give a brief description of the principal magnetic disturbances The movements in Horizontal Force and Vertical force are expressed in C.G.S. units.

The term "wave" indicates a movement in one direction and return ; "double wave," a movement in one direction and return with continuation in the opposite direction and return ; "fluctuations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and —denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

JULY 1925.

July	d h m 9. 8. 0 to	Sudden increase in H.F.(20γ) followed by small undulations tilll 11^d 0^h.
	d h d h 25.21 to 28.12	A series of small oscillations in H.F. with occasional waves, the most important of which were $26^d.10^h$. to 14^h. (40γ) $27^d.20^h$. to 22^h. (+18γ) $28^d.1^h$. to 3^h. (+20γ).

T=0·37630: Mean Dip=θ=52°.30′·33. (X=·22473: Y=—·04434: Z=·29855).

† 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 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South).					
				A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
JULY 1. 9·20	11. 8·44	JULY 2. 9·32	·22901	JULY 1. 9·14	52.31·50	0·29899	JULY 1.13.32	52.31·00	0·29875
.13·24	11. 7·15	13·22	·22906	6. 9.22	52.30·75	0·29871	6.13. 7	52.29·00	0·29840
6. 9·38	11.10·44	7. 9·35	·22902	15. 9·18	52.29·37	0·29853	15.13.14	52.29·25	0·29834
.13·24	11.10·34	12·25	·22917	23. 8·43	52.30·37	0·29877	23.13 33	52.30·37	0·26862
15. 9·36	11. 7·52	16. 9·40	·22904	30.11·10	52.30·00	0·29846	30·13.36	52.29·37	0·29828
.13·14	11.11·20	12:22	·22914						
23. 9.00	11.11·00	24. 9· 6	·22895						
.13.24	11. 8·89	12·35	·22910						
30.11.24	11.11·72								
.13.23	11.10.43								

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

JULY 1925.

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

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. \ Hour.
	11° +																
Midnight	10'0	10'0	10'0	10'6	10'0	11'0	10'0	11'0	10'2	10'4	10'2	10'0	10'4	11'0	11'2	10'1	Midnight
1h	10·0	10·0	10·0	10·6	10·0	11·2	10·0	10·2	10·0	10·2	10·0	10·0	10·2	11·4	11·0	10·0	1h
2	10·0	10·0	10·0	10·8	10·0	11·8	10·0	10·2	10·2	10·0	9·6	9·8	9·8	11·2	10·6	9·9	2
3	10·0	10·0	10·0	10·6	10·4	10·4	10·0	10·0	9·2	8·6	8·8	10·0	9·4	10.6	10·4	9·6	3
4	9·8	10·0	10·0	10·4	10·4	10·4	10·0	10·2	9·8	9·4	6·4	8·2	9·6	10·2	10·2	9·5	4
5	9·8	10·0	10·0	10·2	10·0	10·0	10·0	10·0	10·0	10·0	8·4	9·2	10·0	10·2	10·0	9·5	5
6	9·6	10·0	10·0	10·0	10·4	10·0	10·0	10·0	10·0	9·8	9·2	9·4	9·8	10·0	10·0	9·5	6
7	8·6	9·0	9·8	9·0	9·8	8·0	8·6	9·8	9·8	7·8	8·0	5·6	9·2	9·4	9·4	8·5	7
8	8·8	9·4	9·8	9·0	10·0	8·0	9·4	10·2	10·0	7·4	7·8	7·0	10·0	10·0	9·8	8·6	8
9	10·0	11·2	11·0	10·0	11·0	9·4	10·0	11·6	10·6	10·0	8·8	9·2	12·0	11·0	10·8	9·9	9
10	11·6	12·4	11·8	11·4	11·2	11·6	10·6	12·0	10·8	10·4	9·8	10·0	12·2	12·0	12·0	10·8	10
11	13·0	12·4	13·6	11·2	10·0	12·0	10·0	11·0	10·2	9·6	9·8	9·6	13·0	12·0	14·0	11·2	11
Noon	12·8	13·0	14·0	10·2	10·0	10·2	9·8	9·6	8·6	8·8	9·8	8·4	12·4	11·6	14·6	10·9	Noon
13h	12·0	12·4	12·8	10·0	9·0	7·0	8·6	6·8	8·0	8·0	9·2	9·8	11·0	10·6	13·0	9·9	13h
14	8·6	10·6	12·0	9·8	8·0	6·4	9·0	6·0	8·0	8·0	10·2	9·8	8·2	8·2	10·0	8·8	14
15	8·0	8·6	9·0	9·0	6·8	6·8	9·0	6·0	8·0	8·0	9·6	9·0	7·8	7·0	8·2	7·8	15
16	8·0	8·0	8·0	8·6	7·0	7·8	9·4	8·0	8·2	8·4	8·0	9·4	8·0	6·4	7·6	7·8	16
17	9·0	10·0	9·6	10·0	9·2	10·0	10·0	9·8	10·4	10·0	10·6	10·0	10·0	8·8	8·6	9·2	17
18	10·0	11·0	10·0	11·4	10·0	10·8	11·0	10·0	11·4	11·8	11·2	10·8	10·6	10·0	10·0	10·2	18
19	10·6	11·4	11·2	11·4	10·6	10·8	11·2	10·2	11·8	12·6	11·2	11·8	11·4	11·0	10·6	10·6	19
20	10·4	11·2	11·4	11·4	11·2	10·6	11·0	10·2	11·8	12·0	11·6	11·8	11·4	11·4	10·4	10·7	20
21	10·2	10·8	11·0	10·4	10·0	10·8	12·0	10·4	12·0	12·0	12·2	11·8	11·4	11·4	10·4	10·6	21
22	10·0	10·6	10·8	10·6	11·8	10·6	10·4	10·6	11·4	11·8	11·0	11·8	11·6	11·4	10·2	10·5	22
23	10·0	10·4	10·4	10·6	11·4	10·0	10·2	10·4	11·6	11·0	11·2	11·4	11·2	11·4	10·2	10·3	23

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

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

JULY 1925.

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	889	888	891	897	900	897	899	900	900	906	876	896	903	901	910	890	Midnight
1h	893	886	890	898	900	898	900	900	902	898	870	896	902	908	923	890	1h
2	891	884	890	898	901	900	901	900	905	910	869	893	900	907	915	891	2
3	891	895	897	899	907	900	901	903	905	910	879	891	903	903	906	891	3
4	892	897	900	898	907	900	902	905	906	911	883	893	905	903	901	891	4
5	895	900	899	899	911	907	905	902	908	917	889	898	907	906	900	893	5
6	896	901	898	900	912	907	906	905	909	918	895	899	908	907	911	899	6
7	902	906	902	903	915	906	910	907	914	920	900	905	911	910	900	903	7
8	908	908	909	909	917	910	914	908	915	929	907	910	917	912	910	906	8
9	920	905	908	915	919	910	910	910	936	937	909	910	920	913	910	912	9
10	928	908	909	917	916	909	910	914	933	930	910	913	921	910	920	918	10
11	923	909	896	926	910	910	916	918	932	924	906	919	922	907	917	915	11
Noon	914	909	890	925	915	909	918	919	930	920	895	913	919	908	907	908	Noon
13h	911	901	898	920	919	910	913	916	939	920	890	915	916	910	900	900	13h
14	909	897	900	920	916	909	912	912	934	928	890	920	915	910	896	890	14
15	902	890	900	900	910	906	906	904	920	927	885	915	916	910	872	880	15
16	897	890	891	898	901	902	896	905	912	918	880	905	911	900	868	887	16
17	890	894	890	897	900	897	895	901	913	916	886	901	910	900	870	895	17
18	887	899	892	899	901	898	900	907	917	914	892	906	910	907	870	900	18
19	888	894	893	898	897	896	900	903	919	915	894	903	909	904	877	900	19
20	890	894	894	898	894	896	900	900	911	915	893	901	909	904	883	900	20
21	888	895	893	899	891	897	900	900	910	910	894	903	906	905	883	900	21
22	892	895	895	900	892	898	900	900	907	900	893	903	905	904	885	900	22
23	882	895	896	898	898	898	900	900	908	895	891	903	903	909	885	900	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / our.
	·22000 + (C.G.S. UNIT.)																
Midnight	900	903	909	905	907	890	894	893	893	896	890	893	900	902	900	897·4	Midnight
1h	900	907	910	903	908	892	895	898	897	897	890	894	895	900	900	898·1	1h
2	900	910	916	906	909	899	899	899	897	901	899	909	898	896	900	899·8	2
3	900	910	910	909	910	900	900	900	910	906	899	896	906	900	900	901·2	3
4	900	911	916	909	911	903	901	901	909	912	902	904	901	902	900	902·4	4
5	902	913	915	907	910	906	904	906	906	913	903	903	902	902	901	904·2	5
6	905	914	910	909	913	909	906	908	908	920	906	907	908	904	905	906·5	6
7	910	920	914	910	919	911	914	910	911	914	903	910	910	905	909	909·2	7
8	914	921	913	909	922	912	919	910	915	923	900	918	913	906	910	912·7	8
9	914	922	914	908	924	911	919	900	911	926	910	912	920	907	913	914·8	9
10	911	925	917	909	924	911	921	900	910	929	902	903	920	903	920	915·2	10
11	912	931	918	913	927	910	920	898	912	913	910	890	918	901	920	914·3	11
Noon	912	927	920	912	928	903	912	896	914	890	900	895	915	900	915	910·9	Noon
13h	909	917	919	908	926	890	908	907	907	898	905	897	911	893	912	909·2	13h
14	900	911	914	906	926	895	905	907	909	900	900	899	913	895	909	908·0	14
15	901	910	909	906	921	905	900	900	908	890	900	896	910	897	899	903·1	15
16	895	909	900	905	909	901	891	899	907	883	891	890	902	889	892	897·5	16
17	897	910	900	906	910	895	891	900	904	890	892	888	900	890	891	897·4	17
18	900	917	901	907	906	892	899	900	907	895	900	890	901	894	897	900·2	18
19	901	917	901	908	897	898	895	896	906	880	898	896	904	895	899	899·4	19
20	902	912	899	909	892	897	890	895	905	886	896	896	902	896	898	898·6	20
21	904	910	898	908	880	896	891	894	906	890	910	899	910	898	900	899·0	21
22	903	910	894	909	878	888	896	891	903	890	895	898	900	899	900	897·5	22
23	902	909	900	907	888	894	890	890	903	890	898	900	906	898	900	897·9	23

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

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

JULY 1925.

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	873	872	870	870	869	868	868	865	861	859	861	860	860	857	857	858	Midnight
1h	872	872	870	869	869	867	867	864	860	856	862	860	860	857	855	858	1h
2	872	871	870	870	869	865	866	863	860	858	862	860	860	858	855	859	2
3	873	871	870	870	868	865	866	862	860	857	860	860	860	859	856	859	3
4	875	870	871	870	869	866	865	862	860	857	860	860	860	859	857	859	4
5	875	872	872	871	869	866	865	862	860	857	860	859	860	859	858	860	5
6	876	872	873	872	870	867	867	862	860	857	860	859	860	859	858	860	6
7	873	869	871	870	869	867	864	862	858	855	858	858	859	858	857	859	7
8	873	870	871	871	871	870	866	863	859	855	859	858	858	859	856	859	8
9	874	870	872	875	877	871	867	867	863	857	862	860	859	860	861	857	9
10	873	870	872	877	879	871	867	868	865	856	864	864	858	856	869	855	10
11	870	868	871	871	877	869	863	864	866	857	861	863	857	854	865	857	11
Noon	868	867	870	868	874	861	862	857	863	856	858	858	855	855	864	856	Noon
13h	869	865	858	861	865	856	856	848	850	850	853	848	850	854	860	852	13h
14	868	862	859	860	861	850	852	848	845	849	850	845	850	852	856	852	14
15	868	863	856	860	856	850	850	845	843	848	842	848	849	850	852	850	15
16	870	862	858	865	858	859	852	850	847	851	840	850	850	852	855	850	16
17	874	869	866	870	863	864	859	854	852	858	850	856	856	858	860	855	17
18	877	872	871	872	869	869	865	860	855	859	856	859	859	859	864	859	18
19	877	872	872	872	870	870	866	861	856	859	858	859	859	859	863	859	19
20	877	873	872	872	870	870	867	862	857	859	859	859	859	859	863	859	20
21	877	872	872	872	870	870	868	863	858	858	860	860	858	859	862	858	21
22	875	871	872	871	869	870	868	866	859	859	860	860	859	859	860	858	22
23	877	870	871	870	869	870	868	865	860	860	860	860	859	859	860	857	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	855	852	851	852	850	852	854	850	851	849	849	848	847	846	843	857·3	Midnight
1h	855	852	851	852	850	851	852	850	850	849	849	849	848	847	843	857·0	1h
2	856	852	852	852	850	850	851	850	850	848	848	847	848	847	843	856·8	2
3	856	853	852	851	850	849	850	849	849	846	848	849	848	847	843	856·6	3
4	857	853	852	852	850	849	850	849	849	845	846	846	848	847	843	856·6	4
5	857	854	853	852	850	849	850	848	849	846	847	847	848	847	843	856·9	5
6	858	855	854	853	850	850	850	849	848	845	848	848	848	847	843	857·4	6
7	856	853	854	853	850	848	850	848	847	843	845	843	846	845	843	855·6	7
8	857	853	856	854	852	850	851	851	849	846	847	848	846	846	846	857·1	8
9	859	858	859	856	854	852	853	853	851	850	851	850	849	847	848	859·4	9
10	861	862	858	858	853	856	853	854	850	850	850	849	849	844	846	859·9	10
11	862	860	858	853	845	854	847	850	846	849	846	842	844	842	845	857·3	11
Noon	860	856	854	848	836	844	843	849	842	845	843	839	839	840	841	853·9	Noon
13h	852	853	850	840	830	836	845	844	836	840	840	841	834	833	832	848·4	13h
14	844	848	844	840	834	832	846	844	838	836	842	841	829	830	828	846·0	14
15	844	841	840	842	834	834	846	846	840	836	839	840	828	830	829	845·1	15
16	845	845	840	844	840	838	846	849	840	838	839	843	832	833	832	847·5	16
17	851	852	846	850	848	845	849	851	845	846	846	847	840	841	840	853·9	17
18	857	855	852	852	851	852	851	852	848	850	848	848	845	847	843	857·3	18
19	857	855	854	853	852	852	851	852	848	850	848	849	845	847	843	857·7	19
20	857	854	855	854	855	853	852	853	849	850	848	849	845	846	843	858·1	20
21	857	853	855	854	855	853	853	853	849	849	849	849	845	845	842	858·0	21
22	855	853	855	855	857	853	853	853	849	849	848	849	846	845	842	858·0	22
23	855	853	855	854	855	853	852	853	850	850	850	849	847	845	842	858·0	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·55 metres above mean sea-level) during the MONTH of JULY 1925.

Month and Day 1925.	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	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 of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees.	Wind. Velocity.	Highest.	Lowest.	Range.				
	mbs.	c	c	c	%	mbs.		m.p.s.	c	c	c		m.m.	hrs.	
JULY 1	973·1	18·1	1·9	14·6	80	16·5	315	4·6	20·5	14·6	5·9	7·4	0·4	4·8	44
2	972·0	19·9	2·9	14·7	72	16·6	292	4·7	20·4	13·9	6·5	5·1	1·7	8·1	74
3	971·3	19·3	3·3	13·3	68	15·1	315	8·0	20·7	14·9	5·8	2·6	0·5	9·6	88
4	972·7	19·0	2·4	14·7	76	16·6	292	5·1	21·5	13·2	8·3	2·4	0·0	8·0	73
5	972·8	20·7	2·4	16·5	77	18·6	315	4·0	22·8	14·1	8·7	2·4	1·9	9·0	82
6	972·3	21·3	2·1	17·6	79	19·9	247	4·9	22·8	14·3	8·5	3·6	0·4	9·7	89
7	972·1	20·4	2·3	16·3	78	18·4	326	2·2	22·9	14·4	8·5	2·5	0·1	9·9	90
8	970·6	20·2	2·4	15·9	76	17·9	303	4·4	22·5	14·7	7·8	2·4	0·1	10·3	95
9	973·3	18·8	1·2	16·6	87	18·7	303	3·6	19·6	13·7	5·9	5·4	1·5	5·4	50
10	975·3	19·8	3·1	14·3	71	16·2	303	7·6	20·9	14·6	6·3	5·3	0·1	9·0	82
11	974·6	17·3	0·7	16·0	92	18·0	281	5·1	19·6	14·2	5·4	7·6	6·4	2·7	25
12	973·7	20·8	4·0	13·7	64	15·5	281	4·9	21·4	15·2	6·2	1·7	2·1	10·4	95
13	971·9	19·8	1·9	16·4	81	18·5	258	4·5	21·3	13·7	7·6	4·8	2·4	8·5	77
14	972·1	20·2	2·8	15·2	73	17·1	281	1·6	21·8	12·9	8·9	3·0	0·0	6·7	61
15	971·8	20·0	1·4	17·5	85	19·8	303	4·2	21·3	13·8	7·5	4·3	0·3	5·1	46
16	972·4	19·9	2·3	15·8	77	17·8	270	4·9	21·8	14·1	7·7	5·6	6·6	8·0	73
17	971·8	20·4	2·3	16·3	78	18·4	258	5·1	22·7	15·8	6·9	3·5	1·5	9·1	83
18	970·1	19·1	1·5	16·4	84	18·5	292	3·1	21·9	13·1	8·8	3·8	0·2	10·5	95
19	968·4	18·9	1·2	16·7	87	18·8	292	3·6	21·9	14·5	7·4	4·4	0·7	8·9	81
20	968·6	17·5	0·5	16·6	94	18·7	270	4·5	18·6	13·0	5·6	7·0	5·0	0·4	04
21	970·8	19·1	0·8	17·6	91	19·9	202	4·0	20·1	16·2	3·9	10·0	12·5	0·3	03
22	972·1	19·7	1·0	17·9	89	20·3	247	5·3	20·4	16·6	3·8	10·0	8·8	0·1	00
23	972·1	20·1	2·0	16·5	80	18·6	270	4·5	21·5	16·7	4·8	5·0	4·2	10·3	93
24	973·2	18·9	0·2	18·5	98	21·1	292	5·3	20·3	16·1	4·2	7·9	1·0	7·1	64
25	974·5	19·3	1·0	17·5	89	19·8	303	8·5	20·7	14·7	6·0	6·0	3·2	9·2	83
26	976·4	19·1	2·3	14·9	77	16·8	292	5·3	21·3	14·4	6·9	8·2	1·0	7·6	68
27	976·1	18·4	2·1	14·6	79	16·5	292	6·7	20·5	15·4	5·1	9·1	0·8	7·4	67
28	975·4	17·4	0·5	16·5	94	18·6	292	5·8	20·8	12·7	8·1	6·7	16·6	7·2	65
29	973·1	20·0	3·0	14·6	71	16·5	303	2·6	22·2	14·1	8·1	2·0	0·5	8·7	78
30	971·0	20·4	2·8	15·4	73	17·3	326	1·3	23·4	13·9	9·5	4·1	0·1	8·6	77
31	971·5	18·6	1·6	15·7	83	17·7	326	6·2	19·3	13·7	5·6	10·0	0·1	0·1	00
Mean	972·5	19·4	1·9	16·0	80·7	18·0	289°	4·2	21·2	14·4	6·8	5·3	Sum 80·7	7·12	64·7
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.:

Atmospheric Presssure	+ 41·5 mbs
Temperature of the Air	+ 1·0 C.
Vapour Tension	0·0 mbs.
Relative Humidity	— 4·7 %
Direction of Wind	3° S
Velocity of Wind	— 0·2

Duration of sunshine	+ 6·9 hours
Amount of cloud	— 0·2
Amount of rain	—19·9 m.m.
Mean of highest temperatures	+3·1C
Mean of lowest temperatures	+2.4C
Absolute highest temperature	+2·4C
Absolute lowest temperature	+1·3C

N.B.—Owing to delay on the part of the contractor in completing the buildings at Vacoas regular observations of Pilot balloons were not commenced until July 7.

* South (0); West (8); North (16); East (24).

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JULY 1925.

Month and Day 1925.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0–10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
JULY	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1014·6	+ 0·9	24·0	17·7	6·3	20·3	+ 0·3	3·4	14·2	− 1·5	68	− 8	16·1	12·3	0·2	5	3·1	8·7
2	1013·8	0·0	24·4	14·8	9·6	19·9	− 0·1	2·5	15·4	− 0·3	75	− 1	17·3	10·4	6·1	80	4·9	5·8
3	1014·0	+ 0·2	24·1	15·9	8·2	19·8	− 0·2	3·0	14·4	− 1·2	71	− 5	16·3	11·8	0·2	5	4·5	4·2
4	1014·4	+ 0·5	24·6	16·7	7·9	20·0	0·0	2·8	15·0	− 0·6	73	− 3	16·9	11·6	0·0	...	2·4	3·4
5	1014·4	+ 0·5	24·7	15·9	8·8	20·2	+ 0·2	2·4	15·9	+ 0·3	76	0	17·9	13·8	0·6	25	3·9	5·0
6	1013·7	− 0·2	25·4	17·8	7·6	21·1	+ 1·1	2·5	16·7	+ 1·1	76	0	18·8	12·7	0·0	...	4·8	3·7
7	1013·4	− 0·5	25·8	15·5	10·3	20·2	+ 0·3	2·4	15·9	+ 0·3	76	0	17·9	11·5	0·0	...	3·0	2·8
8	1012·9	− 1·0	25·8	15·1	10·7	20·2	+ 0·3	2·7	15·4	− 0·1	74	− 2	17·3	11·3	0·1	5	4·6	2·8
9	1015·0	+ 1·1	23·8	16·0	7·8	19·7	− 0·2	2·4	15·4	− 0·1	76	0	17·3	11·5	0·2	10	3·7	4·1
10	1017·1	+ 3·2	24·4	15·8	8·6	20·2	+ 0·3	3·8	13·4	− 2·1	65	− 11	15·2	10·8	0·0	...	4·8	4·0
11	1016·2	+ 2·3	22·8	16·0	6·8	19·5	− 0·4	2·4	15·2	− 0·3	76	0	17·1	13·0	6·0	110	5·5	7·0
12	1014·4	+ 0·5	24·3	16·8	7·5	20·2	+ 0·4	3·0	14·8	− 0·7	71	− 5	16·7	13·9	1·5	20	4·5	2·3
13	1013·0	− 0·9	25·0	16·6	8·4	20·4	+ 0·6	2·4	16·1	+ 0·7	76	0	18·1	10·1	1·4	55	4·9	6·0
14	1013·1	− 0·8	25·0	14·2	10·8	19·6	− 0·2	2·6	15·0	− 0·4	75	0	16·9	10·1	0·5	25	3·5	3·4
15	1013·6	− 0·3	23·8	17·8	6·0	20·2	+ 0·4	1·9	16·8	+ 1·4	81	+ 6	18·9	13·7	3·2	45	2·7	5·4
16	1013·7	− 0·2	24·7	17·2	7·5	20·4	+ 0·6	2·0	16·8	+ 1·4	80	+ 5	18·9	14·2	1·4	45	4·4	4·0
17	1012·8	− 1·1	25·2	15·1	10·1	20·4	+ 0·6	2·5	15·9	+ 0·6	76	+ 1	17·9	11·3	0·0	...	4·0	2·1
18	1011·2	− 2·7	25·3	14·3	11·0	19·3	− 0·5	2·4	15·0	− 0·3	76	+ 1	16·9	11·1	0·0	...	4·0	2·2
19	1009·6	− 4·3	25·0	14·2	10·8	19·7	− 0·1	2·2	15·8	+ 0·5	78	+ 3	17·8	11·4	0·0	...	5·0	4·0
20	1009·5	− 4·3	22·5	18·2	4·3	20·3	+ 0·5	1·6	17·4	+ 2·1	83	+ 8	19·7	17·2	4·5	75	2·5	8·8
21	1011·9	− 1·9	23·8	19·1	4·7	21·2	+ 1·4	1·5	18·5	+ 3·3	85	+ 10	21·1	17·7	10·1	105	3·5	8·5
22	1013·6	− 0·2	24·3	20·3	4·0	21·9	+ 2·1	1·8	18·7	+ 3·5	82	+ 7	21·4	18·5	10·0	53	4·0	8·8
23	1013·8	0·0	24·3	18·8	5·5	21·7	+ 1·9	2·7	17·0	+ 1·8	75	0	19·2	15·5	0·0	...	5·2	6·0
24	1014·8	+ 1·0	24·0	18·4	5·6	20·9	+ 1·1	1·9	17·5	+ 2·4	81	+ 6	19·8	15·6	4·8	42	3·4	4·7
25	1016·2	+ 2·4	24·8	19·7	5·1	21·6	+ 1·8	2·5	17·2	+ 2·1	76	+ 1	19·4	17·6	0·6	15	4·4	5·1
26	1017·9	+ 4·1	24·4	18·9	5·5	21·0	+ 1·2	3·0	15·7	+ 0·6	72	− 3	17·7	14·7	0·8	15	5·1	5·1
27	1017·7	+ 3·9	23·4	17·3	6·1	20·4	+ 0·6	2·6	15·8	+ 0·7	75	0	17·8	13·4	1·8	75	4·4	5·8
28	1016·5	+ 2·7	23·8	17·8	6·0	20·1	+ 0·3	2·2	16·2	+ 1·2	78	+ 3	18·2	13·1	5·2	95	6·2	5·8
29	1014·5	+ 0·7	24·9	16·0	8·9	19·8	0·0	2·4	15·5	+ 0·5	76	+ 1	17·4	11·9	0·3	10	4·8	2·3
30	1012·8	− 1·0	24·3	15·1	9·2	19·9	+ 0·1	2·2	16·0	+ 1·0	78	+ 3	18·0	10·7	1·0	15	2·0	5·0
31	1013·0	− 0·8	22·7	19·0	3·7	20·8	+ 1·0	2·6	16·2	+ 1·2	75	0	18·2	17·3	0·3	10	3·8	9·9
Mean	1014·0	+ 0·2	24·4	16·8	7·6	20·4	+ 0·5	2·5	16·0	+ 0·7	75·8	+ 0·4	18·0	13·2	Sum 60·8	Sum 940	4·1	5·1
Aver.	1013·8	...	23·9	16·4	7·5	19·9	...	2·7	15·3	...	75·4	...	17·2	13·0	63·3	1461	3·4	4·9
lumn	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JULY 1925.

Two marked anticyclonic systems passed the meridian of Mauritius on the 10th and 27th and pressure rose to + 3.2 mbs and + 4.1 mbs in the mean for these days. The pressure difference between Mauritius and Seychelles was 10.3 mbs and 12.2 mbs respectively. During the low pressure of the 19th 20th (4.3 mbs below normal) the pressure difference was only 4.4 mbs. The mean pressure difference between Seychelles and Mauritius was 7.9 mbs.

Temperature was above normal on 24 days and 0.5 C above in the mean.

High wind velocity occurred during the passage of the anticyclonic system, but velocity was again below normal in the mean.

Rain fell on 23 days and was 4 % below normal at the Observatory at Pamplemousses.

The percentage variations from the normal for the different districts of the Island were as follows.

Northern Districts	River System 1,	8% below	Western Districts	River System 11	17% above
Eastern Districts	,, ,, 2, 3, 4,	18% ,,		,, ,, 12	14% below
South-Eastern Districts	,, ,, 5 & 6	89% above		,, ,, 13	... ,,

August 28, 1925

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1925

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
JULY	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	4·9	45	− 2·1	+ 2·6	51	3·3	3·4	− 0·3	25·6	25·1	23·3	22·1	...	21·5	21·2	o.gq : c .
2	9·5	87	− 1·2	+ 2·1	60	2·4	2·5	− 1·2	25·7	25·2	23·3	22·0	...	21·4	21·4	cp c.f.q : o.p. .
3	8·5	78	− 2·2	+ 2·7	51	3·5	3·6	− 0·1	25·6	25·0	23·2	22·0	...	21·4	21·2	c.f. b .
4	8·9	82	− 1·5	+ 2·7	61	3·1	3·2	− 0·5	25·6	25·0	23·1	21·9	...	21·3	21·0	c.f. .
5	7·6	70	− 1·4	+ 2·3	59	2·7	2·7	− 1·0	25·7	25·0	23·1	21·9	...	21·5	21·4	cp : c.f. .
6	10·0	92	− 1·3	+ 2·4	62	2·7	2·8	− 0·9	25·7	24·9	23·1	22·0	...	21·9	22·0	c.f. : b.
7	7·8	72	− 0·8	+ 0·3	21	0·8	1·6	− 2·1	25·7	24·9	23·1	22·1	...	21·9	21·8	b : c.f. : b.
8	9·9	91	− 1·7	+ 1·5	41	2·4	2·3	− 1·4	25·6	24·9	23·1	22·1	...	22·0	21·9	f. : b.
9	4·6	42	− 2·7	+ 2·5	43	3·7	3·7	0·0	25·6	24·8	23·1	22·2	...	21·8	21·4	b : c.f. : b.
10	9·7	89	− 3·1	+ 3·3	47	4·5	4·6	+ 0·9	25·6	24·9	23·0	21·9	...	21·4	21·1	b : c.f. .
11	2·6	24	− 1·9	+ 2·6	54	3·2	3·3	− 0·4	25·6	24·7	23·0	21·8	...	21·3	20·9	cf : cp : c : b.
12	10·4	95	− 1·4	+ 3·2	66	3·5	3·6	− 0·1	25·6	24·9	22·9	21·7	...	21·2	21·0	cp : c.f. : b.
13	8·1	74	− 0·5	+ 2·2	77	2·4	2·4	− 1·4	25·6	24·8	22·9	21·7	...	21·5	21·4	cp. : b.
14	6·4	58	− 1·2	+ 1·2	45	1·7	1·9	− 1·9	25·6	24·6	22·9	21·7	...	21·3	21·1	b. : cp. : b.
15	4·7	43	− 1·6	+ 2·4	56	2·9	3·0	− 0·8	25·6	24·7	22·8	21·9	...	21·5	21·4	b. cp. : b.
16	7·9	72	− 1·0	+ 2·9	71	3·0	3·3	− 0·5	25·6	24·7	22·8	21·9	...	21·3	21·2	b. : c.f. cp : b.
17	8·5	77	− 1·3	+ 2·3	60	2·6	2·8	− 1·0	25·6	24·7	22·8	21·9	...	21·6	21·6	b. : f. : b.
18	9·6	97	− 1·6	+ 1·2	37	2·0	2·0	− 1·8	25·6	24·5	22·8	21·9	...	21·5	21·3	b. : f. : b.
19	8·7	79	− 1·5	+ 1·9	52	2·4	2·6	− 1·2	25·6	24·6	22·8	21·8	...	21·4	21·3	c.f. .
20	0·5	5	− 1·7	+ 3·4	63	3·8	3·9	+ 0·1	25·4	24·7	22·8	21·9	...	21·6	21·5	c.f. : o : op .
21	1·9	17	+ 0·2	+ 2·7	94	2·7	3·1	− 0·7	25·4	24·5	22·8	22·0	...	21·7	21·6	op : c. .
22	0·5	5	+ 0·8	+ 3·6	102	3·7	3·8	0·0	25·6	24·6	22·8	22·1	...	21·8	21·9	c: : og qp .
23	9·6	86	+ 0·2	+ 3·5	93	3·5	3·6	− 0·2	25·6	24·4	22·9	22·2	...	22·1	22·3	ogp. : cf. .
24	7·6	68	− 1·0	+ 3·8	75	3·9	4·0	+ 0·2	25·6	24·5	22·9	22·4	...	22·0	22·0	b : c.f. : cp. .
25	7·4	67	− 1·5	+ 4·8	73	5·0	5·1	+ 1·3	25·6	24·6	22·9	22·4	...	21·9	22·0	cp : c.f. .
26	8·5	77	− 1·1	+ 4·5	76	4·6	4·7	+ 0·9	25·6	24·3	22·9	22·3	...	21·9	21·9	cp : c.f. .
27	6·4	58	− 1·3	+ 4·3	73	4·5	4·5	+ 0·7	25·4	24·3	22·9	22·2	...	21·6	21·5	cp. .
28	8·0	72	− 1·6	+ 3·7	67	4·0	4·1	+ 0·3	25·6	24·3	22·9	22·0	...	21·6	21·5	cp : c.f. : b .
29	9·3	83	− 1·0	+ 1·9	62	2·1	2·3	− 1·6	25·6	24·2	22·9	22·0	...	21·5	21·5	b : f : b .
30	5·8	52	− 0·8	+ 0·8	45	1·1	1·4	− 2·5	25·4	24·3	22·8	22·0	...	21·6	21·6	b : c.f. : op.
31	0·0	0	− 3·7	+ 2·9	38	4·7	4·8	+ 0·9	25·4	24·2	22·7	22·1		21·7	21·7	ogqp .
Mean	6·90	63·1	−1·37	+2·68	62·9	3·01	3·25	− 0·52	25·60	24·67	22·95	22·02	...	21·61	21·51	...
Average	7·73	70·0	−1·49	+3·03	63·8	3·38	3·77	...	25·17	24·44	...	...	...	21·45	21·35	...
Column	1	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JULY 1925.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1018·7mbs	5 times		on 26th, 27th	1008·2mbs	at 16h	on 19th
Temperature of the Air	25·8C	at	15.20 / 12·25	on 7 / 8	14·2	at 5.40 / 2.25	on 14 / 19
Daily range of temperature of the Air...	11·0C		...	on 18th	3·7C	...	on 31st
Temperature of the Dew Point	19·8C	at	20h	on 22nd	12·0C	at 5h	on 10th
Daily range of temperature of the Dew Point	5·3C	...	...	on 19th	1·3C	...	on 6th
Relative humidity...	93·6%	at	6h	on 18th	50·3%	at 14h	on 1st
Wind Velocity	8·3 m.p.s.	at	10h	on 25th	0·6mps		often
Rainfall	10·9mm.	ending	20h	on 21st	..	...	...
Temperature of the soil at 3 ins. ...	23·8C	at	18h	on 8th	19·3C	at 9h	on 14th
,, ,, at 6 ins. ...	22·8C	at	21h	on 8th	20·6C	at 9h	on 14th
Duration of sunshine...	10·4 hrs.		...	on 12th	0·0 hrs.	...	on 31st
Amount of Evaporation in 24 hours	6·2mm.		...	on 28th	2·0 m.m.	...	on 30th
Vapour Tension	22·9mbs	at	20h	on 22th	13·9 mbs	at 5h	on 10th
Minimum on Grass	...		...	...	10·1C	...	on 13th, 14th

Number of Days Overcast, 6, Clear 6, of Rain 23, of Lightning ... of Thunderstorm ...

Mean Day Temperature of Air 22·09C Average 21·57C, Mean Night Temperature of Air 18·61C Average 18·15C

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

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 1925.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0154	0144	0147	0154	0154	0147	0146	0138	0137	0172	0174	0157	0143	0132	0136	0147	Midnight
1h	0154	0142	0144	0152	0153	0146	0142	0136	0140	0172	0176	0157	0142	0132	0135	0144	1h
2	0151	0138	0140	0146	0146	0142	0135	0131	0137	0173	0174	0152	0136	0126	0132	0141	2
3	0149	0136	0135	0143	0144	0134	0132	0126	0136	0170	0171	0151	0134	0122	0124	0136	3
4	0147	0133	0133	0141	0141	0132	0131	0124	0134	0171	0169	0149	0132	0123	0124	0133	4
5	0148	0132	0132	0140	0139	0131	0132	0122	0135	0169	0166	0144	0128	0123	0126	0124	5
6	0149	0136	0133	0141	0141	0132	0133	0123	0141	0172	0164	0144	0131	0124	0126	0138	6
7	0152	0141	0137	0143	0147	0136	0137	0127	0142	0173	0164	0151	0134	0129	0132	0141	7
8	0154	0147	0139	0148	0152	0142	0141	0132	0151	0177	0167	0152	0137	0132	0140	0146	8
9	0157	0149	0142	0152	0154	0146	0144	0134	0155	0178	0174	0156	0144	0141	0143	0151	9
10	0157	0146	0144	0151	0154	0144	0146	0135	0157	0177	0172	0157	0143	0141	0146	0147	10
11	0154	0144	0142	0150	0151	0140	0142	0132	0156	0176	0169	0154	0137	0137	0143	0142	11
Noon	0149	0136	0137	0146	0146	0136	0137	0127	0153	0172	0163	0149	0131	0133	0134	0134	Noon
13h	0140	0127	0132	0137	0141	0126	0131	0120	0147	0164	0154	0134	0124	0129	0135	0131	13h
14	0132	0126	0131	0132	0132	0124	0123	0117	0146	0162	0152	0132	0121	0122	0127	0126	14
15	0131	0125	0129	0132	0129	0124	0121	0116	0144	0159	0151	0127	0114	0116	0126	0124	15
16	0132	0124	0130	0132	0130	0125	0122	0117	0146	0161	0151	0129	0116	0122	0124	0124	16
17	0133	0118	0135	0134	0132	0127	0123	0122	0151	0162	0152	0132	0117	0126	0132	0128	17
18	0136	0132	0137	0138	0137	0132	0127	0128	0154	0169	0153	0132	0119	0129	0134	0132	18
19	0142	0136	0142	0142	0140	0142	0132	0132	0159	0172	0154	0134	0124	0132	0139	0136	19
20	0147	0142	0147	0148	0147	0142	0133	0134	0163	0172	0156	0140	0131	0136	0142	0141	20
21	0151	0151	0152	0152	0150	0146	0136	0137	0169	0174	0157	0142	0132	0142	0147	0140	21
22	0150	0150	0153	0154	0151	0147	0141	0139	0171	0174	0161	0144	0132	0146	0151	0139	22
23	0146	0148	0154	0154	0150	0146	0140	0138	0170	0174	0162	0144	0132	0142	0151	0141	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. \ Hour
	When the first figure is 1, it is omitted. The unit in the table is 0·1 millibar.																
Midnight	0137	0124	0114	0097	0107	0135	0144	0152	0156	0174	0186	0180	0157	0137	0132	1014·6	Midnight
1h	0136	0121	0107	0095	0105	0134	0142	0151	0157	0174	0184	0173	0155	0134	0130	1014·4	1h
2	0132	0116	0104	0091	0104	0131	0136	0147	0154	0172	0182	0172	0154	0133	0128	1014·1	2
3	0132	0114	0100	0087	0102	0124	0131	0146	0153	0172	0179	0167	0153	0132	0120	1013·7	3
4	0129	0110	0094	0085	0102	0125	0127	0144	0150	0172	0177	0166	0151	0126	0120	1013·5	4
5	0128	0106	0094	0084	0101	0125	0130	0142	0150	0172	0174	0166	0151	0123	0121	1013·4	5
6	0131	0107	0094	0086	0104	0127	0132	0144	0153	0172	0177	0167	0152	0124	0127	1013·6	6
7	0134	0112	0096	0093	0112	0133	0133	0151	0161	0180	0182	0169	0154	0128	0132	1014·1	7
8	0137	0121	0103	0097	0117	0140	0141	0154	0166	0182	0184	0179	0156	0132	0133	1014·5	8
9	0142	0123	0106	0102	0126	0145	0146	0157	0167	0186	0186	0183	0157	0137	0139	1014·9	9
10	0142	0124	0107	0104	0132	0147	0148	0156	0171	0187	0187	0179	0155	0138	0139	1014·8	10
11	0134	0117	0102	0102	0133	0146	0146	0154	0171	0187	0184	0174	0152	0132	0137	1014·6	11
Noon	0131	0114	0095	0097	0128	0139	0137	0150	0162	0183	0181	0166	0146	0124	0133	1014·1	Noon
13h	0122	0104	0087	0093	0122	0134	0133	0144	0161	0176	0174	0156	0136	0119	0122	1013·5	13h
14	0114	0100	0084	0091	0114	0127	0126	0136	0158	0172	0166	0154	0132	0116	0114	1012·9	14
15	0110	0097	0083	0084	0113	0126	0126	0137	0154	0171	0167	0152	0127	0113	0112	1012·7	15
16	0112	0098	0082	0084	0114	0127	0126	0137	0154	0170	0167	0154	0131	0112	0117	1012·8	16
17	0114	0102	0084	0088	0117	0132	0127	0138	0156	0176	0171	0154	0132	0117	0121	1013·1	17
18	0116	0106	0088	0092	0122	0134	0132	0142	0164	0177	0171	0154	0135	0122	0128	1013·5	18
19	0121	0111	0092	0096	0126	0143	0137	0150	0167	0181	0174	0159	0135	0130	0133	1013·9	19
20	0127	0114	0096	0102	0132	0147	0146	0152	0171	0185	0174	0166	0141	0134	0140	1014·3	20
21	0131	0117	0097	0107	0136	0148	0151	0153	0174	0186	0176	0166	0143	0140	0144	1014·7	21
22	0132	0120	0101	0108	0137	0150	0152	0154	0176	0187	0176	0164	0142	0139	0146	1014·8	22
23	0129	0117	0100	0109	0135	0147	0153	0154	0172	0187	0176	0161	0141	0137	0143	1014·7	23

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

Hour. \ Day.	JULY 1925.																															Mean.
	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	
Midnight	10	7	2	2	6	5	0	4	0	0	5	1	4	0	0	1	0	0	0	3	10	4	9	1	4	4	4	9	1	0	10	3·4
1h	10	10	8	1	8	7	0	4	0	0	6	1	6	0	0	1	0	0	1	4	10	5	9	1	2	4	5	9	1	0	10	4·0
2	10	9	10	0	8	8	0	5	0	0	8	2	8	0	0	1	1	0	2	4	10	4	9	1	1	4	6	9	1	1	10	4·3
3	10	8	4	2	9	9	0	7	0	0	10	3	10	1	0	1	1	0	3	5	10	5	9	1	1	4	9	8	1	1	10	4·6
4	10	8	3	2	9	6	0	3	2	0	10	6	9	1	2	1	1	0	3	6	10	6	9	1	2	4	3	8	1	1	10	4·4
5	10	6	2	2	8	4	0	2	3	0	10	4	9	1	6	1	1	0	3	8	10	7	9	2	3	5	2	8	1	1	10	4·5
6	9	4	2	2	5	4	0	1	5	1	10	2	9	2	8	2	1	1	3	9	10	10	9	3	6	5	2	7	2	1	10	4·7
7	9	5	2	3	7	3	1	2	6	2	8	3	8	1	8	2	2	1	4	9	9	10	8	3	9	5	2	9	3	2	10	5·0
8	9	3	1	5	5	3	2	1	8	4	10	2	8	1	8	4	1	3	5	10	9	10	8	3	8	6	2	9	2	1	10	5·2
9	8	3	2	5	5	4	3	1	9	4	10	1	7	1	8	6	1	3	5	10	10	10	7	5	7	6	3	9	2	1	10	5·4
10	9	3	2	6	5	4	4	3	10	4	9	2	7	3	8	6	3	4	6	10	10	10	6	6	6	7	5	6	3	2	10	5·8
11	9	5	3	5	5	3	5	5	10	5	8	3	7	6	9	6	3	5	6	10	10	10	8	7	6	7	7	6	3	5	10	6·4
Noon	8	7	5	5	5	3	7	4	9	5	10	3	6	8	7	8	5	5	6	10	10	10	7	7	7	6	9	6	3	4	10	6·6
13h	8	6	5	3	6	3	7	5	7	6	10	3	7	8	9	8	5	6	5	10	10	10	7	8	7	6	8	7	3	4	10	6·7
14	6	6	5	3	7	4	7	5	7	7	10	2	8	9	7	7	5	7	5	10	9	9	6	7	8	7	9	6	5	4	10	6·7
15	7	6	9	4	3	5	7	4	6	8	8	2	8	9	9	7	5	6	6	10	8	10	6	6	8	5	9	6	6	9	10	6·8
16	7	5	9	4	3	4	6	4	5	8	8	2	7	9	9	7	5	4	5	10	7	10	5	9	6	6	8	5	5	9	9	6·5
17	8	4	8	3	2	3	5	3	4	9	7	2	6	8	9	6	4	2	4	10	6	10	4	9	4	7	6	4	5	9	9	5·8
18	9	3	8	3	2	3	3	3	3	9	5	2	6	8	6	8	4	2	4	10	7	10	4	9	8	10	5	3	3	10	10	5·8
19	9	3	6	2	2	3	2	2	2	8	4	2	4	5	8	9	2	2	5	10	8	10	2	7	5	4	6	3	2	10	10	5·1
20	9	5	3	3	3	2	2	1	1	6	2	1	2	0	5	2	1	1	3	10	7	10	2	4	4	4	7	2	1	10	10	4·0
21	10	10	1	3	1	2	1	0	1	2	1	1	0	0	1	1	0	0	4	10	6	9	2	3	3	2	4	2	1	10	10	3·3
22	8	10	1	5	2	1	1	0	1	2	1	1	0	0	1	1	0	0	3	10	7	10	1	4	4	2	6	1	1	10	10	3·4
23	8	5	0	7	4	0	2	0	0	3	1	2	0	0	1	1	0	0	2	10	5	10	1	5	4	3	8	1	0	10	10	3·3

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

Hour* Ending \ Day.	JULY 1925.																															Total.
	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	
	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	0	5	1	0	3	20	15	0	13	4	16	0	12	0	0	10	17	0	0	0	0	0	0	0	7	20	0	0	12	0	2·6
8	30	25	60	45	0	48	60	60	0	55	26	60	40	60	12	50	60	60	29	0	5	0	46	21	3	13	60	0	46	55	0	17·1
9	50	60	60	50	30	60	60	60	12	58	0	60	59	60	9	55	60	60	40	0	0	0	60	58	35	60	54	4	60	60	0	21·6
10	30	60	60	55	35	60	55	60	10	60	16	60	60	60	50	44	60	60	45	0	0	0	58	60	60	60	58	60	60	60	0	23·6
11	36	58	60	60	60	60	50	60	0	60	48	60	60	59	25	60	60	60	60	0	0	0	50	58	60	52	55	60	60	60	0	24·2
Noon	11	55	60	60	60	60	46	60	2	60	33	60	60	53	48	60	60	55	52	5	0	1	60	50	58	58	20	57	60	58	0	23·0
13h	12	59	60	60	50	60	40	60	25	60	2	60	59	23	0	50	60	58	60	2	0	1	60	58	48	60	22	60	60	18	0	20·8
14	55	60	55	60	45	60	45	48	54	48	0	60	18	34	47	55	60	41	60	1	4	21	60	57	40	55	8	52	60	10	0	21·2
15	55	60	54	60	60	59	57	50	60	60	0	60	36	10	48	40	60	45	60	23	10	9	60	48	26	60	13	60	60	8	0	21·8
16	13	60	35	60	55	60	25	60	55	54	17	60	52	0	40	44	19	60	60	0	40	0	55	12	50	59	50	60	60	5	0	20·3
17	0	55	0	20	58	58	12	55	50	50	12	55	38	14	0	16	0	58	55	0	46	0	58	31	60	24	24	60	30	0	0	15·7
18	0	18	0	2	5	15	0	7	10	3	0	15	2	0	0	0	0	2	2	0	9	0	10	0	6	0	0	7	0	0	0	1·9
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 213·8 hours and the total possible sunshine 341·1 hours.

* Reckoned from apparent midnight.

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 1925.

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

TABLE XI. (*Contd.*)—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 1925

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

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

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

JULY 1925.

Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	871	919	890	910	889	911	887	913	880	920	887	913	892	910	894	906	Midnight
1h	880	913	887	913	887	913	887	913	887	909	888	919	891	913	892	908	1h
2	880	913	896	906	886	910	886	914	890	907	889	926	892	910	892	908	2
3	883	925	902	911	881	913	885	915	900	926	886	921	892	910	891	909	3
4	883	917	902	910	886	910	885	915	884	924	887	913	895	905	886	906	4
5	875	937	902	911	881	912	885	915	887	913	889	911	894	906	887	906	5
6	886	914	902	911	881	913	887	913	888	909	886	914	892	908	883	907	6
7	880	920	905	907	883	911	882	927	900	925	886	914	892	908	883	903	7
8	891	909	904	906	874	926	885	923	890	925	883	917	896	904	892	902	8
9	871	943	887	932	873	927	881	947	886	921	885	938	896	904	887	913	9
10	878	933	877	935	848	952	873	941	877	923	891	943	873	911	876	915	10
11	878	954	876	936	853	947	876	958	883	941	881	947	886	906	873	927	11
Noon	872	941	875	938	871	943	888	958	885	938	888	957	396	880	875	937	Noon
13h	871	944	872	942	848	952	889	953	877	934	883	943	900	877	873	927	13h
14	875	959	868	947	865	952	874	939	892	939	885	938	914	886	879	932	14
15	871	944	875	937	863	956	883	943	886	933	878	933	911	884	873	927	15
16	858	942	874	939	883	942	883	941	886	933	885	937	907	916	880	930	16
17	853	925	878	933	900	953	887	933	883	926	886	922	900	915	885	915	17
18	873	918	887	913	894	927	885	915	887	913	891	913	890	915	880	913	18
19	881	913	892	908	892	918	887	913	885	915	893	909	866	913	886	910	19
20	900	911	891	909	880	920	890	910	882	918	892	911	878	905	886	910	20
21	894	906	887	932	880	920	900	921	882	918	890	914	888	898	874	917	21
22	889	911	896	910	887	913	890	914	886	914	888	919	882	896	881	913	22
23	888	912	896	909	887	913	888	918	886	922	890	914	890	900	885	915	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	883	917	873	918	867	922	878	922	891	921	888	912	885	910	887	913	Midnight
1h	885	915	868	922	884	911	883	917	885	915	888	912	885	910	887	913	1h
2	885	915	876	916	883	911	891	921	892	908	890	910	881	919	883	917	2
3	888	912	881	913	886	906	893	917	894	915	887	913	885	915	887	913	3
4	887	913	883	917	890	914	885	937	887	913	885	915	889	911	880	920	4
5	887	913	882	918	894	906	889	911	887	913	885	915	875	917	885	924	5
6	889	911	885	915	879	921	887	913	888	912	885	915	887	909	890	915	6
7	890	907	885	915	869	931	889	911	886	914	885	915	878	922	889	917	7
8	890	907	880	920	878	922	882	918	887	920	892	908	882	918	887	920	8
9	885	915	863	937	888	930	892	941	900	932	894	906	891	909	887	934	9
10	882	927	857	943	883	941	880	949	900	947	894	914	880	930	891	945	10
11	876	924	860	960	871	944	875	960	909	943	889	916	877	935	878	952	11
Noon	868	947	855	967	875	937	877	955	909	943	900	922	875	938	891	944	Noon
13h	851	949	865	952	881	946	879	952	909	943	898	888	875	937	900	956	13h
14	852	948	860	960	871	944	878	952	900	928	880	908	868	947	911	955	14
15	848	952	858	963	872	941	879	952	906	931	883	917	887	966	918	945	15
16	851	933	851	949	881	946	878	952	906	927	881	919	870	945	877	934	16
17	859	941	864	936	878	932	890	947	900	923	887	913	900	939	895	923	17
18	850	933	866	934	883	926	893	933	890	914	894	906	894	928	890	924	18
19	872	928	867	922	881	919	891	922	891	913	890	910	895	924	880	930	19
20	877	923	864	924	888	918	891	921	893	910	887	913	891	921	890	925	20
21	882	918	866	934	883	917	889	929	892	910	887	913	890	915	888	930	21
22	860	926	875	925	887	913	889	928	889	916	877	923	892	908	884	939	22
23	865	923	868	932	885	915	892	920	890	914	882	918	886	914	893	917	23

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

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

JULY 1925.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	889	916	890	907	893	901	882	918	878	922	900	922	906	931	897	913	Midnight
1h	887	919	885	910	886	903	885	923	883	926	904	921	906	931	895	922	1h
2	887	920	891	907	885	903	888	918	879	931	910	924	907	934	887	920	2
3	886	922	894	904	889	902	888	918	890	924	900	923	907	934	889	911	3
4	886	922	893	905	889	902	884	916	883	941	905	926	905	926	885	915	4
5	886	921	885	910	887	903	883	926	879	932	905	923	906	929	881	928	5
6	888	918	883	911	884	911	884	924	900	932	905	924	900	928	894	929	6
7	885	923	888	909	891	907	885	924	900	937	905	925	900	932	900	939	7
8	889	917	884	911	879	921	886	922	900	933	906	928	906	929	891	943	8
9	878	932	885	915	886	921	900	935	907	932	910	947	913	934	900	955	9
10	892	937	880	920	881	929	900	941	926	905	911	952	908	941	900	958	10
11	900	939	883	917	874	940	889	953	935	935	900	947	900	950	900	961	11
Noon	900	936	878	914	882	944	877	955	923	910	912	960	900	954	888	960	Noon
13h	900	932	881	919	891	944	868	948	905	923	912	959	909	946	890	950	13h
14	892	939	882	927	881	946	870	946	916	939	918	944	910	951	900	964	14
15	886	935	859	927	884	939	878	954	914	936	919	946	908	939	900	953	15
16	883	926	859	927	883	943	881	946	915	938	909	944	900	942	891	943	16
17	889	927	864	924	874	926	885	938	913	934	908	941	900	953	880	949	17
18	887	913	878	914	887	913	884	940	900	921	900	939	894	931	884	940	18
19	882	918	894	904	889	911	883	941	900	923	933	933	894	929	887	933	19
20	878	914	894	904	887	913	878	933	900	921	907	934	893	933	887	934	20
21	878	914	894	903	887	913	876	936	900	919	907	935	893	934	885	937	21
22	879	914	894	901	889	911	887	932	900	922	900	936	898	911	885	923	22
23	885	910	894	901	889	911	879	932	900	924	906	930	896	921	883	926	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	881	929	892	938	887	920	908	940	890	910	894	914	888	902	888	917	Midnight
1h	875	938	891	943	893	932	883	925	887	913	895	912	882	904	887	917	1h
2	883	941	892	940	886	935	894	931	890	910	894	914	867	913	888	918	2
3	883	942	891	946	900	930	890	924	887	913	893	916	862	915	889	918	3
4	878	932	900	941	886	934	887	932	888	912	887	913	860	926	887	919	4
5	882	927	884	939	890	915	880	949	882	918	885	915	852	932	886	919	5
6	887	933	895	924	893	909	882	943	884	916	887	913	850	933	887	918	6
7	882	945	884	924	890	915	876	936	885	915	889	911	852	932	887	920	7
8	881	947	878	933	879	932	879	952	892	908	892	908	856	929	887	921	8
9	888	958	900	965	879	950	878	922	885	923	892	908	854	931	888	931	9
10	868	977	900	957	886	969	880	949	885	923	891	909	860	940	885	937	10
11	872	968	900	967	877	955	886	970	885	924	896	909	847	935	883	943	11
Noon	886	971	900	962	889	954	877	955	900	927	900	908	849	951	886	942	Noon
13h	900	968	900	974	888	959	887	963	894	929	901	906	857	943	886	941	13h
14	887	962	900	954	889	955	887	962	889	927	912	905	852	948	886	942	14
15	888	958	876	958	871	944	879	952	887	933	912	912	861	939	884	940	15
16	873	965	868	947	879	950	878	954	889	928	882	912	857	943	881	939	16
17	885	977	882	944	890	951	881	947	896	921	894	902	859	941	886	934	17
18	886	936	876	936	884	940	878	933	895	911	894	901	863	937	885	924	18
19	888	931	883	943	887	963	883	926	892	918	887	903	869	931	887	922	19
20	889	929	891	943	889	952	887	913	892	920	887	903	887	913	888	920	20
21	892	939	891	945	890	951	887	913	892	920	889	902	878	922	887	922	21
22	893	935	887	934	890	948	891	909	891	921	888	902	884	916	887	919	22
23	900	943	887	932	890	951	888	912	892	920	878	905	883	917	888	919	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during JULY 1925.

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

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 1925.

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	3	3·5	4	1·4	4	1·6	4	1·8	4	2·9	4	1·9	5	1·3	4	0·9	4	2·4	3	3·3	3	4·0	4	3·2	6	2·3	4	1·7	3	1·8	4	1·8
1h	3	2·4	4	1·8	4	1·8	4	1·8	3	1·6	5	2·2	5	1·6	4	1·2	4	2·2	3	3·9	3	1·9	4	2·4	4	2·1	4	1·7	3	1·8	4	1·9
2	3	2·4	5	0·7	3	1·7	4	2·0	3	1·2	6	2·8	5	1·3	4	1·1	4	2·1	3	2·9	3	2·0	6	2·3	4	1·1	4	1·4	4	2·7	4	2·4
3	5	3·0	9	1·1	3	2·3	4	2·2	8	2·6	5	2·5	5	1·3	4	1·3	4	1·7	3	2·3	2	1·5	6	1·9	6	1·6	4	1·8	4	2·2	4	1·8
4	4	2·4	9	1·0	3	1·7	4	2·2	5	2·9	4	1·9	4	0·7	2	1·5	4	1·8	4	2·4	5	1·7	6	4·0	4	1·8	4	2·1	4	1·5	4	2·8
5	5	4·5	9	1·1	3	2·2	4	2·2	4	1·9	4	1·6	4	0·9	2	1·4	4	1·8	4	2·5	4	0·8	4	1·5	4	1·8	4	2·1	3	3·0	5	2·8
6	4	2·0	9	1·1	3	2·3	4	1·9	3	1·5	4	2·0	4	1·1	2	1·9	4	1·6	4	2·1	4	3·0	4	1·9	4	1·7	4	2·1	3	1·6	5	1·8
7	4	2·8	11	0·9	3	2·0	5	3·3	8	2·5	4	2·0	4	1·2	1	1·7	3	1·2	4	2·1	4	4·4	4	1·5	4	2·0	4	2·1	4	3·1	5	2·0
8	4	1·3	11	0·7	4	3·7	5	2·7	6	2·7	4	2·4	4	0·6	1	0·8	3	1·2	4	2·8	4	3·2	4	2·5	5	2·4	4	1·1	4	2·5	5	2·4
9	5	5·2	6	3·4	4	3·9	6	5·1	5	2·5	6	4·1	4	0·6	4	1·8	4	2·1	4	5·3	6	3·2	7	4·2	8	3·2	4	0·8	4	1·3	6	3·6
10	5	4·0	5	4·2	4	7·3	5	4·9	4	3·3	7	4·4	2	2·9	3	2·8	5	3·3	4	6·2	6	4·4	6	5·3	8	4·7	6	1·5	5	3·6	7	4·6
11	6	5·9	5	4·3	4	6·7	6	6·3	6	4·4	6	5·1	2	1·5	4	3·8	4	3·4	5	7·2	5	5·3	6	6·5	9	4·4	5	1·9	5	4·2	6	5·7
Noon	5	5·0	5	4·6	5	5·2	7	5·9	6	4·1	7	5·8	r25	2·0	5	4·5	5	5·7	5	8·1	5	4·5	6	6·0	9	4·4	8	2·2	5	4·6	7	4·5
13h	5	5·3	5	5·1	4	7·3	7	5·4	5	4·1	6	4·6	24	2·3	4	3·8	4	7·0	5	6·3	6	5·0	6	5·6	9	4·4	r25	1·2	5	4·5	8	5·6
14	6	6·4	5	5·7	5	6·3	5	4·7	7	4·0	6	4·1	20	2·0	5	3·8	4	6·8	5	7·2	5	5·3	6	5·7	8	2·8	d 2	2·2	5	5·7	9	5·6
15	5	5·3	5	4·5	5	6·7	6	4·6	6	3·8	5	4·0	21	1·9	4	3·9	4	7·4	5	7·6	5	5·0	6	5·6	9	3·2	4	2·4	7	6·7	10	4·9
16	4	6·0	5	4·7	6	4·5	6	4·4	6	3·8	6	4·0	r10	1·8	5	3·6	3	5·9	4	7·0	6	5·0	6	5·7	9	2·8	4	2·7	5	5·4	5	4·1
17	3	4·5	5	4·0	8	5·3	6	3·5	5	3·1	5	2·6	8	1·5	4	2·2	4	5·8	4	5·2	5	3·9	7	4·8	8	2·3	4	1·8	8	3·9	7	2·4
18	3	3·3	4	1·8	7	2·8	4	2·2	4	1·8	5	1·6	5	1·8	3	2·4	3	6·0	4	4·9	5	3·1	7	3·4	5	1·7	4	0·9	7	2·9	6	2·6
19	3	2·3	4	1·1	6	2·0	4	1·8	4	2·1	5	1·1	2	3·6	3	1·7	4	4·0	3	4·0	4	2·7	6	2·4	5	1·6	4	1·4	7	2·5	5	3·6
20	8	1·1	4	1·3	4	2·9	4	1·4	4	2·6	5	1·4	1	2·3	3	1·7	4	3·3	3	4·4	5	2·1	6	2·3	5	1·2	4	1·9	6	2·3	6	2·7
21	4	0·9	6	3·4	4	2·8	8	2·1	4	2·5	5	1·7	r31	1·2	3	3·1	4	2·5	4	4·8	4	2·4	6	3·1	5	1·3	4	1·9	5	1·8	6	3·2
22	4	1·5	6	1·1	4	1·9	5	1·7	4	2·0	5	2·2	31	1·8	3	2·3	3	4·8	4	3·5	4	1·8	6	3·0	5	1·9	4	3·3	4	1·2	6	4·2
23	4	1·7	6	1·0	4	1·8	5	2·1	5	2·6	5	1·7	d 0	1·0	4	2·2	3	4·2	4	4·5	4	2·2	6	2·2	5	1·7	4	2·5	4	2·0	6	1·9

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

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JULY, 1925.

Hour Ending \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
1h	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	0·2	...	...	1·0	0·2	...	...
2	...	3·3	...	...	...	...	...	...	...	...	...	...	..	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	..	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	0·6	...	...	..	0·4	...	0·1	...	...	...	...
4	...	...	0·2	...	...	...	...	...	0·1	...	...	1·0	0·5	...	...	..	...	...	..	...	4·6	...	...	...	...	0·4	...	0·4	...	..	...
5	0·2	...	..	...	0·2	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·2	0·8	0·1	...	..
6	...	...	..	...	0·1	.	...	...	..	...	0·3	...	..	..	...	..	...	...	...	...	1·0	...	...	...	...	...	...	...	...	..	...
7	...	...	..	...	...	...	...	...	...	...	1·6	...	...	...	...	...	...	...	...	...	0·4	.	.	...	.	...	...	...	...	...	...
8	...	...	..	...	...	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...
9	...	...	..	...	0·1	...	...	..	...	...	1·2	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...
10	..	...	...	...	0·2	...	...	...	...	...	1·5	...	...	...	...	...	...	...	...	3·3	0·3	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	..	...	...	...	...	1·4	...	..	0·1	...	0·2	...	..	..	...	0·2	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	..	...	...	...	...	...	...	...	...	...	1·2	...	...	...	...	..	0·7	...	...	...	...	...	..	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	...	...	...	...	...	1·8	...	..	..	...	...	0·4	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	0·3	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...
15	...	...	..	...	...	...	...	...	...	...	...	...	0·1	0·1	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
16	...	...	...	...	...	...	...	..	...	...	...	...	..	...	...	0.3	...	...	...	...	...	...	...	3·0	..	...	...	...	...	...	0·2
17	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	0.4	...	...	...	...	...	...	...	0·2	..	...	...	...	...	0·8	...
18	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	3·8	...	0·6	...	0·2	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	0·5	...	...	...	..	...	6·2	...	0·8	...	...	0·2	...	...	...	0·1
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	..	...	...	...	...
21	...	1·2	...	...	...	...	.	...	...	...	..	...	...	...	0·2	...	...	...	..	...	...	...	...	0·2	...	...	0·3	...	..	...	...
22	...	1·6	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	0·5	...	...	...	...	...	...	..	...	...	0·2	...
23	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	0·4	..	...	..	..
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	0·3	...	...	...	...	..	0·2	..	...	...	.

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of JULY 1925.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	2·45	62.2	69·6	16
	3	Belmont	50	2·93	74·4	66·0	14
	4	Poudre d'Or	20	3·45	87·6	64·0	15
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	2·40	61·0	82·0	12
	9	Beau Séjour	300	3·14	79·8	116·1	18
	10	Mont Piton	360	2·78	70·6	102·1	19
	11	Mon Choix	700	2·66	67·6	89·7	15
	12	Antoinette	640	3·98	101·1	104·9	16
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	4·94	125·5	112·8	16
	15	Mon Songe	620	3.30	8·38	113·0	15
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount	325	3·56	90·4	89·7	22
	18	Botanic Gardens ..	325	3.12	79·2	82·8	21
	19	The Observatory ...	179	2·39	60·8	67·1	23
	20	Solitude§	175	...	...	...	...
	21	St. André	90	2·77	70·4	45·5	9
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	..
	25	Esperance (Trebuchet)*	165	2·56	65·0	...	10
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	0·94	23·9	...	6
	49	Poudre d'Or Station* ...	772	0·47	11·9	...	9
	50	Rivière du Rempart* ...	134	0·62	15·7	...	4
2 & 3	1	Union Régnard S.E. ...	600	3·55	90·2	117·9	19
	2	Constance d'Arifat L.G.	100	2·12	53·8	94·5	11
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	.	...	...
	5	Constance (Manès)§ ...	..	...	...	...	...
	6	Queen Victoria§ ...	.	...	...	...	...
	7	Belle Mare§	...	...	...	..	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	4·14	105·2	...	15
	10	St. Julien E(K. Reetoo)*	...	4·46	113·3	...	20
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	..	...	...
	3	Beau Champ	20	2·77	70·4	74·7	12
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	4·91	124·7	123·9	14
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	8·27	210·1	...	25
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	1·28	32·5	89·4	12
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	5·27	133·9	...	16
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	..		..
6	1	Kanaka	2,000	10·15	257·8	228·9	28
	2	Tivoli*	1,300	12.44	316·0	...	2·
	3	La Flora*	1,050	9·41	239·0	..	23
	4	Britannia	730	9·00	228·6	166 6	24
	5	Savannah (Mill)§ ...	200	...	. .	...	..
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E §	90	...	...	..	...
	8	Beau Bois§	350	...	...		...
	9	St. Avold§	900	..	...		...
	10	Terracine§	100	...	...	.	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	..	...	..	...	...
	13	Chamouny§	...	...	...	..	...
	14	Union S. E.*	...	6 62	168·1	...	12
	15	Fontenelle*	...	8·66	220·1	..	9
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	..	..	...
7, 8 & 9	1	Bel Ombre§	40	..	...	...	...
	3	Beau Champ§	...	...	...	...	...
	4	Board§	...	...	...	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ..	1,840	8·80	223·5	197·4	27
	3	Mare aux Vacoas ...	1,850	13·46	341.9	254·5	23
	4	La Marie Filter Bed ...	1,700	7·91	200·9	150·4	23
	5	Réunion	1,420	3·74	95·0	137·7	20
12	1	The Manse	850	1·71	43·4	53 8	22
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	3.21	81·5	...	30
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	4·06	103·1	...	19
	7	Trianon	950	2·91	73·9	70·1	17
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·35	88·9	...	7
	10	Bon Air§	1,050	...	...	. .	...
	11	Val Ory	1,100	3·40	86·4	81·3	21
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	..
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or§	...	...	...	...	...
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	9·69	17·5	...	2

* Normals not available. § Record not Received.

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 1925.

Day. \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		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
	h	°		°		°		°		°				h	°		°		°		°		°		°	
1	9¾	315	0·8	...	...	315	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	12¾	...	...	285	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	9¾	285	1·1	285	0·6	...	...	...	...	...	...	...	...	14¾	285	1.7	330	0.7	...	...	...	...	...	...	...	...
4	9¾	...	...	300	0·7	...	...	...	...	...	...	...	...	12¾	300	0·9	330	1·0	...	...	...	...	...	...	...	...
5	12½	...	...	280	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	9¾	270	0·4	270	0·3	...	...	...	...	...	...	...	...	15½	...	...	210	0·8	295	0·6	...	...	...	...	...	...
7	10	...	...	300	0·3	...	...	...	...	...	...	...	...	13¾	...	...	60	0·6	...	...	...	...	...	...	...	...
8	9¾	...	...	330	0·2	...	...	...	...	...	...	...	...	12½	330	0·4	330	0·2	...	...	...	...	...	...	...	...
9	12¾	...	...	285	1·1	...	...	...	...	...	...	...	...	14½	...	...	300	1·4	...	...	...	...	...	...	...	...
10	10	...	...	300	1·6	...	...	...	...	...	...	90	0·8	12	285	1·1	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	8¼	...	...	...	...	180	0·3	...	...	...	...	...	...	16¼	...	...	...	...	90	0·5	...	...	15	0·5	...	...
14	9¾	240	0·6	270	0·3	...	...	...	...	...	...	...	...	12h	...	...	...	...	120	0·4	...	...	...	...	...	...
15	8½	...	...	...	...	330	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	12¼	277	2·2	255	0·8	...	...	...	...	...	...	...	...	13¾	...	...	255	0·8	...	...	...	...	...	...	...	...
17	12¼	360	0·6	15	0·4	...	...	...	...	...	...	...	...	15¼	340	0·5	360	0·8	...	...	...	...	...	...	...	...
18	8½	285	1·5	315	3·7	...	...	...	...	...	...	...	...	12¼	...	...	300	0·7	...	...	...	...	...	...	...	...
19	11¾	285	0·9	285	0·1	...	...	...	...	...	...	...	...	15¼	270	1·0	255	0·8	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	17h	...	...	...	...	240	0·2	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	10h	...	...	240	2·1	...	...	...	...	...	...	...	...	15h	300	1·8	270	2·2	...	...	...	...	...	...	...	...
24	9½	...	...	255	2·7	...	...	...	...	...	...	...	...	12¼	285	3·8	255	1·1	...	...	...	...	...	...	...	...
25	11¾	...	...	280	1·0	...	...	...	...	...	...	...	...	15¼	270	1·4	300	1·0	...	...	...	...	285	0·3	...	...
26	12h	...	...	270	0·6	...	...	...	...	...	...	...	...	14¼	...	...	285	2·0	270	2·2	...	...	...	...	...	...
27	9¾	...	...	290	0·7	...	...	...	...	...	...	...	...	12¼	315	1·2	285	0·6	...	...	...	...	...	...	...	...
28	12¼	...	...	255	0·8	...	...	...	...	...	...	...	...	15¼	300	2.2	320	2·2	...	...	...	...	...	...	...	...
29	12¼	...	...	270	0·7	...	...	...	...	...	...	...	...	14h	310	0·3	...	...	...	...	...	...	...	...	...	...
30	12¼	...	...	180	0·4	...	...	...	...	...	...	150	0·2	15½	...	...	...	...	150	0·8	135	0·7	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

TABLE XVII.—NORTH and EAST COMPONENTS and DIRECTION and VELOCITY of the WIND at varying heights above the AEROLOGICAL STATION at VACOAS (424.55 metres above SEA LEVEL) as determined from observations of PILOT BALLOONS.

Altitude / Date	Weather System	Surface (15 metres)				250 metres				500 metres				750 metres				1,000 metres				1,500 metres			
		N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.
d. h.		m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.
July 6· 8	...	+ 0·8	+ 3·9	260	4·0	− 2·7	+10·3	284	10·7	− 2·7	+12·3	282	12·4	− 3·3	+14·3	283	14·4	− 2·0	+12·7	279	12·6	...	...	...	...
7· 8	...	+ 0·1	+ 0·3	250	0·2	− 3·3	+ 3·8	311	5·0	− 3·3	+ 3·8	311	5·0	− 3·2	+ 3·3	314	4·6	− 3·3	+ 1·7	333	3·7	− 3·9	+ 2·7	325	4·7
7·12	...	− 2·1	+ 1·4	320	2·5	− 8·0	+ 5·5	325	9·7	− 3·0	+ 2·0	326	3·6	− 1·9	+ 1·0	332	2·1	− 0·2	+ 0·3	304	0·3	− 8·6	+ 4·2	336	9·6
7·17	...	− 3·7	+ 2·5	330	4·5	− 6·4	+ 1·0	351	6·5	− 8·3	+ 0·7	355	8·3	− 3·9	− 0·6	9	3·9	− 0·5	− 0·8	58	1·9	− 1·1	− 0·2	10	1·1
8· 9	V	− 4·2	+ 4·2	310	6·0	− 9·5	+ 8·8	317	13·0	− 7·0	+ 5·0	324	8·6	− 1·0	− 2·0	63	2·2	− 2·0	− 1·0	27	2·2	− 4·5	− 5·0	48	6·7
8·12	V	− 3·2	+ 3·2	310	4·5	− 7·9	+ 4·3	331	9·0	− 5·0	+ 3·3	327	6·0	− 5·0	+ 2·7	332	5·7	− 5·0	+ 1·5	343	5·2	− 5·2	− 1·8	18	6·0
9·16	A+	− 1·5	+ 7·4	285	7·5	− 9.2	+ 8·2	318	12·3	−11·5	+10·2	318	15·3	− 7·8	+ 6·2	321	10·0	− 7·5	+ 6·2	320	9·8	+ 4·3	− 5·3	129	6·8
10· 8	A	− 1·3	+ 6·4	280	6·5	− 6·7	+ 8·8	307	11·5	− 9·4	+15·7	301	18·3	− 5·3	+10·2	298	11·3	...	...	...	...	...	...	...	...
13· 9	A−	0·0	+ 5·5	275	5·5	+ 0·5	+ 9·7	267	9·7	+ 1·8	+ 5·2	251	5·5	+ 1·2	+ 4·5	255	4.6	+ 1·7	+ 3·7	245	4·0	0·0	+ 0·7	270	0·7
14· 7	...	− 1·1	+ 1·1	310	1·5	− 0·7	+ 5·5	277	5·5	0·0	+ 5·7	270	5·7	+ 0·2	+ 5·0	260	5·0	− 0·7	+ 3·3	282	3·3	− 3·3	+ 2·0	329	3·8
14·12	...	− 0·4	+ 0·9	290	1·0	− 1·8	+ 2·3	308	2·9	− 1·5	+ 3·2	295	3·6	− 0·6	+ 3·5	280	3·6	+ 0·3	+ 2·6	263	2·6	− 0·8	+ 3·2	284	3·3
15· 9	...	− 1·0	+ 4·9	280	5·0	− 3·6	+11·0	288	11·6	− 3.6	+11·6	287	12·1	− 1·5	+ 8·3	280	8·4	...	...	...	...	...	...	...	...
29·10	A−	...	+ 3·5	270	3·5	− 0·4	+ 2·7	278	2·8	− 0·8	+ 4·6	280	4·7	+ 2·7	+ 4·0	236	4·8	+ 4·8	+ 8·5	240	9·7	+ 5·3	+10·3	243	11·6
29·17	A−	− 1·1	+ 5·4	280	5·5	− 1·0	+ 5·9	280	6·0	+ 0·7	+ 2·9	256	3·0	+ 1·0	+ 0·1	264	1·0	+ 1·9	+ 0·2	186	2·9	+ 2·0	+ 1·9	224	2·7
30·13	A−	− 0·7	− 3·4	85	3·5	+ 0.5	− 2·5	101	2·5	+ 1·0	− 1·2	130	1·5	+ 0·4	− 0·2	153	0.4	+ 0·9	+ 0·3	198	0·9	+ 1·3	− 0·6	155	1·4
31· 8	V+	− 4·6	+ 4·6	310	6·5	−12·0	+12·8	313	17·5	−16·2	+ 8·3	333	18·2	− 7·3	+ 5·8	322	9.3	− 3·2	+ 3·3	314	4·6	− 1·4	+ 3·3	293	3·6
31· 9	V−	− 4·9	+ 4·9	310	7·0	−11·8	+10·8	317	16·0	−12·5	+ 9·0	324	15·4	−17·9	+15·9	318	24·0	+ 0·8	+ 0·2	194	0·8	− 2·0	+ 0·9	336	2·2
Mean ...	...	− 1·7	+ 3·3	296	3·7	− 4·9	+ 6·4	307	8·0	− 4·7	+ 6·0	307	7·6	− 3·1	+ 4·8	301	5·6	− 1.0	+ 2·8	288	2·9	− 1·3	+ 1·2	318	1·8

TABLE XVII—(*Continued*).—NORTH and EAST COMPONENTS and DIRECTION and VELOCITY of the WIND at varying heights above the AEROLOGICAL STATION at VACOAS (424.55 metres above SEA LEVEL) as determined from observations of PILOT BALLOONS.

Altitude / Date	Weather System	2,000 metres				2,500 metres				3,000 metres				4,000 metres				5,000 metres				6,000 metres			
		N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.
d. h.		m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.
July 7· 8	...	− 3·8	+ 0·8	348	3·9	− 3·7	− 4·2	48	5·6	− 2·8	− 4·0	54	4·9	...	...	...	...	...	...	...	...	...	...	...	...
7·12	...	0·0	− 4·1	90	4·1	− 0·9	− 3·9	77	4·0	− 7·0	− 3·3	25	7·7	...	...	...	..	...	...	...	...	...	...	...	...
7·17	...	− 5·5	− 1·8	18	5·8	− 1·9	− 3·5	61	4·0	+ 1·1	− 3·1	110	3·3	+ 6·6	− 9·6	125	11·7	...	...	...	...	...	...	...	...
8· 9	V	− 0·5	− 4·5	82	4·6	+ 2·0	− 5·7	108	6·0	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...
8·12	V	− 4·8	− 6·2	52	7·8	+ 1·8	− 6·7	105	7·0	+ 4·2	−10·5	112	11·3	+ 8·3	−16·7	117	18·6	...	...	...	...	...	...	...	...
13· 9	A−	+ 0·8	− 3·8	102	3·9	+ 1·0	− 7·0	98	7·1	+ 2·7	−10·2	105	10·5	+ 3·3	− 3·8	131	5·0	+ 6·8	− 7·3	133	10·0	...	...	...	...
14· 7	...	− 5·5	+ 0·2	358	5·5	− 7·7	− 5·2	34	9·3	− 5·0	−12·7	69	13·7	+ 8·3	−15·3	117	17·4	+ 4·3	− 7·3	120	8·4	...	..	...	...
29·10	A−	+ 3·0	+ 2·8	223	4·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29·17	A−	+ 5·0	+ 1·9	201	5·4	+ 2·4	+ 2·0	219	3·1	− 0·2	+ 3·6	274	3·6	+ 0·9	+ 2·4	250	2·6	...	...	...	...	...	...	...	..
30·13	A−	+ 5·3	− 4·8	138	7·1	+ 3·1	− 4·4	124	5·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31· 8	V+	− 2·5	+ 1·9	323	3·1	− 0·3	− 1·8	80	1·8	0·0	− 4·6	90	4·6	...	...	...	...	...	..	...	...	...	...	...	...
31· 9	V	+ 0·7	− 1·2	120	1·4	− 1·1	− 5·8	79	5·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean ...	...	− 0·6	− 1·6	70	1·7	− 0·5	− 4·4	83	4·4	− 0·9	− 5·6	80	5·7	+ 5·5	− 8·6	122	10·2	+ 5·5	− 7·3	130	8·3	...	...	...	...

Under the heading "Weather System" in column 1 of the above table the letters A. V. C. indicate respectively Anticyclonic, V shaped depression and Cyclonic weather systems, so far as the existence of these systems can be determined in Mauritius without a synoptic weather service. The sign + or − indicates an approaching or receding system. The mean values include all days available for each altitude and are not, in consequence, strictly comparable *per se*. The classification under weather systems has been adopted to facilitate the determination of mean values for different types of weather as the research work develops. The lowest altitude at which the Easterly component became zero was about 1000 metres on the 7th and 8th and the highest altitude was over 4000 metres on the 29th but fell again to 2000 metres on the 30th. Beginning with the August bulletin the height at which this reversal is observed will be included in Table VI.

NEW SERIES (MONTHLY). VOL. XI. 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 1925

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

DIRECTOR.

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NOTE.—For purposes of upper air investigation the directions of the wind in Table VI and of the clouds in Table XVI now refer to directions from South through West to North and East. The directions in Table VII still refer to directions from South through East and will not be altered until January, 1926.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of AUGUST 1925

Month and Day. 1925	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force (Unit 1 γ)	Vertical Force. (Unit 1 γ)
AUG.	° ′			′		
1	11.10·4	·22899	·29842	5·8	43	21
2	11.10.8	903	843	3·2	29	9
3	11.10.4	907	833	6·2	25	49
4	11.10.6	887	838	4·6	41	19
5	11.10.0	895	837	6·0	31	25
6	11.10.1	903	836	7·8	36	27
7	11.10.6	881	833	6·0	92	33
8	11. 9·5	882	835	7·8	37	28
9	11.10·7	885	835	5·2	46	21
10	11.10·4	884	836	3·8	23	9
11	11.10·9	893	836	4·0	26	12
12	11.10·9	896	831	5·2	31	18
13	11.11·1	901	829	4·2	17	19
14	11.11·0	907	826	4·8	36	21
15	11.11·2	905	826	7·0	26	15
16	11.11·2	904	820	7·6	15	38
17	11.11.3	897	822	6·2	54	21
18	11.10·9	885	825	6·4	66	20
19	11.10·9	887	825	6·0	48	30
20	11.11·5	885	823	7·6	26	39
21	11.11·2	884	821	6·2	31	29
22	11.11·6	890	824	5·0	58	12
23	11.10·6	879	824	8·0	38	15
24	11.11·4	885	821	4·2	41	15
25	11.11·4	882	817	6·6	28	33
26	11.11·6	890	811	3·4	30	19
27	11.11·5	892	815	5·0	38	19
28	11.11·5	901	813	2·6	47	9
29	11.11·4	899	811	7·8	43	29
30	11.11·7	890	816	8·2	35	23
31	11·11·7	896	812	7·6	43	31
Mean	11·10·96	·22893	·29826	5·77	37·4	22·8

Description of the Principal Magnetic disturbances.

The following notes give a brief description of the principal magnetic disturbances The movements in Horizontal Force and Vertical force are expressed in C.G.S. units.

The term "wave" indicates a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "fluctuations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and —denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

AUGUST 1925.

d h m	
6. 12. 50	Sudden increase in H.F. (12γ) followed by occasional small undulations and fluctuations which continued until 10^d.
d h m	
22. 18. 50	Sudden increase of H.F. (20γ) followed by irregular undulations till $24^d.2^h.50^m$. with rapid fluctuations between $23^d.20^h$. and $24^d.2^h.50^m$.

T=0·37599: Mean Dip=θ=52°.29′·46. (X=·22458: Y=—·04440: Z=·29826).

† 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 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South).					
				A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
AUG. 4. 9·07	11.10·76	AUG. 1. 9·00	·22912	AUG. 4. 8·55	52.30·06	0·29842	AUG. 4.13.45	52.28·62	0·29820
·13·35	11.10·15	12·27	·22919	10. 9.08	52.29·25	0·29831	10.13.20	52.30·75	0·29851
10. 9·36	11.10·64	7. 9·28	·22902	17. 8·53	52.29·56	0·29840	17.12.58	52.27·25	0·29808
·13·07	11. 8·78	12·36	·22918	22. 8·56	52.31·12	0·29874	22.13.21	52.31·00	0·29873
17. 9·10	11.13·10	14. 9·19	·22901						
·12·46	11.12·00	12·25	·22921						
22. 9.07	11.12·36	21. 9·18	·22912						
·13.30	11.13·11	12·22	·22909						
31. 9.30	11.13·37	28. 9·11	·22927						
·13.12	11.10.76	12·15	·22921						

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

AUGUST 1925.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	11° +																
Midnight	10'.2	11'.2	10'.4	10'.8	10'.6	10'.2	10'.0	12'.0	11'.8	11'.8	11'.6	11'.2	11'.0	11'.8	11'.6	11'.0	Midnight
1h	10.2	11.2	10.4	11.6	11.6	10.2	10.0	11.8	11.2	11.6	10.6	11.2	10.8	11.4	11.4	11.2	1h
2	10.2	10.2	10.2	9.6	11.8	10.2	9.6	10.2	10.0	10.6	10.4	11.0	10.8	11.2	11.4	11.0	2
3	10.2	10.8	10.2	10.8	11.4	10.4	9.6	9.0	10.0	10.0	10.4	10.8	10.6	11.0	10.8	10.8	3
4	10.0	11.0	10.0	10.2	10.4	10.4	10.0	10.2	10.0	10.4	10.6	10.6	10.4	10.8	10.2	10.6	4
5	10.0	10.0	10.0	9.4	10.4	10.4	10.0	10.0	9.8	10.0	10.6	10.4	10.4	10.2	10.2	10.4	5
6	9.8	10.4	9.8	9.8	10.4	10.0	10.0	8.6	9.6	10.0	10.2	10.2	10.2	10.2	10.0	10.2	6
7	8.2	9.6	8.2	8.0	8.4	9.8	9.0	6.0	8.0	9.0	9.8	10.0	10.0	9.6	9.8	10.0	7
8	8.4	10.0	9.6	8.2	9.8	10.0	9.8	5.6	8.4	10.0	10.2	10.2	10.2	10.0	10.2	10.6	8
9	10.6	10.6	11.4	10.2	11.6	11.6	10.8	8.0	10.0	10.8	11.8	12.0	12.0	11.2	12.0	12.8	9
10	11.8	11.8	12.0	11.8	12.0	12.0	12.4	10.0	12.0	11.8	12.2	12.6	12.4	12.0	12.8	14.4	10
11	12.8	12.4	14.0	12.4	11.4	13.6	13.0	10.2	13.2	10.6	12.0	13.6	12.8	13.4	15.0	14.8	11
Noon	13.8	12.8	14.0	12.6	10.0	11.6	12.0	9.6	12.0	9.8	12.0	13.2	12.0	13.8	14.0	14.0	Noon
13h	13.0	12.4	10.2	11.8	7.8	8.0	11.6	8.0	10.6	8.0	12.0	12.2	11.6	12.2	13.8	13.0	13h
14	10.2	11.8	8.0	10.2	6.0	5.8	10.0	8.0	10.0	8.2	10.8	11.8	11.6	11.2	11.0	10.4	14
15	8.0	10.0	7.8	8.8	6.0	6.2	8.0	6.0	9.0	8.0	9.8	9.6	10.0	9.6	8.0	7.2	15
16	8.0	9.6	8.0	8.6	6.2	8.0	7.8	7.8	8.2	8.0	8.2	8.4	8.6	9.0	8.0	7.2	16
17	9.6	9.8	9.8	9.8	8.8	9.4	8.8	10.0	10.0	9.8	9.4	9.0	9.8	10.0	9.6	9.0	17
18	10.0	10.4	10.4	11.0	10.4	10.2	10.4	11.8	12.0	11.0	10.4	10.0	10.8	10.4	10.6	10.6	18
19	10.4	11.4	11.4	11.8	11.8	11.6	12.0	13.4	12.4	11.8	11.6	10.4	11.8	11.2	11.4	11.8	19
20	10.4	11.2	11.6	11.8	11.8	11.6	13.8	12.0	12.4	11.8	11.8	10.6	11.8	11.0	11.6	11.8	20
21	10.8	10.8	11.4	11.6	11.6	11.0	12.0	12.0	12.4	11.8	11.8	11.0	12.0	11.0	11.4	11.8	21
22	11.4	10.8	11.0	11.8	10.6	10.2	12.0	12.2	12.2	11.8	11.8	11.2	12.0	10.8	11.4	11.6	22
23	11.4	10.6	10.4	11.6	10.4	10.0	12.0	11.8	12.0	11.6	11.6	11.0	11.8	11.2	11.2	11.4	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	11° +																
Midnight	11'.8	11'.8	11'.8	10'.8	11'.8	11'.8	12'.4	12'.0	11'.6	12'.0	12'.4	12'.0	12'.0	12'.2	12'.0	11'.5	Midnight
1h	11.6	12.0	10.2	10.6	11.6	11.4	12.4	12.0	11.6	11.8	12.2	12.0	12.0	12.0	12.0	11.3	1h
2	11.8	12.0	11.0	10.8	11.6	11.6	13.8	12.0	11.6	11.8	11.0	12.0	11.6	12.0	12.0	11.1	2
3	11.8	12.0	11.8	11.4	11.6	12.0	10.2	11.8	11.6	11.6	11.6	11.8	11.0	12.0	11.8	11.0	3
4	11.6	12.0	12.0	10.6	11.8	11.8	11.6	11.8	10.6	11.8	12.0	11.4	11.2	11.8	11.8	11.0	4
5	11.2	11.8	11.0	10.2	11.8	12.0	11.6	11.6	10.6	11.2	11.8	11.6	10.6	10.0	11.6	10.7	5
6	10.4	10.6	10.2	10.2	11.6	11.2	11.8	10.6	10.0	10.2	11.6	11.4	10.2	9.2	10.4	10.3	6
7	10.0	8.4	8.8	8.8	10.0	8.8	6.0	9.8	9.6	9.4	10.2	10.0	9.4	7.6	9.4	9.0	7
8	11.0	8.8	9.4	9.6	10.0	9.4	5.8	10.0	10.0	10.0	11.4	10.0	10.0	10.0	10.4	9.6	8
9	12.6	10.0	10.6	12.2	11.2	11.4	6.2	10.2	12.4	12.0	12.4	11.8	12.8	13.0	13.8	11.3	9
10	14.0	12.0	11.8	14.8	12.6	12.0	9.8	11.4	13.8	12.8	13.4	12.2	14.0	15.2	15.6	12.6	10
11	14.0	13.8	13.8	16.0	13.8	13.6	9.8	12.0	14.4	12.8	12.8	12.6	15.2	15.8	14.8	13.2	11
Noon	14.0	12.8	13.4	15.8	13.8	12.0	11.0	13.4	14.0	12.0	12.0	12.0	14.2	15.6	13.6	12.8	Noon
13h	12.0	10.0	11.8	14.0	12.0	12.0	11.8	13.4	12.4	12.0	10.4	11.4	14.0	13.6	12.0	11.6	13h
14	10.0	8.0	9.2	10.6	10.2	12.0	10.6	12.0	11.8	12.0	10.2	11.2	12.8	12.0	10.2	10.3	14
15	8.0	7.4	7.8	8.4	8.0	11.6	10.0	9.8	8.0	11.4	9.8	10.4	8.2	10.0	8.0	8.7	15
16	7.8	8.6	8.2	8.6	7.6	9.8	10.0	9.2	7.8	10.0	8.4	10.0	7.4	8.0	8.0	8.4	16
17	9.2	10.4	10.0	10.0	8.2	9.6	10.0	10.0	9.4	10.0	9.8	10.0	8.0	9.8	10.6	9.6	17
18	10.4	11.8	11.4	11.8	10.2	11.6	10.8	11.8	11.2	11.8	11.8	11.6	10.2	11.0	11.6	10.9	18
19	10.4	11.6	11.8	12.0	11.6	12.0	11.4	11.8	12.0	12.2	12.0	12.0	11.4	11.8	12.0	11.7	19
20	11.6	11.6	11.8	12.0	11.8	12.0	12.0	12.0	12.0	12.4	12.2	12.0	11.8	11.8	12.0	11.8	20
21	11.4	11.8	11.8	12.0	11.8	12.0	12.2	12.0	12.0	12.4	12.2	12.0	11.8	12.0	12.0	11.7	21
22	12.0	11.8	11.6	12.0	11.8	12.0	12.2	11.8	12.0	12.4	12.2	12.0	11.8	12.0	12.0	11.7	22
23	11.8	11.8	11.6	11.6	11.8	13.8	12.0	11.6	12.0	12.6	12.0	12.0	11.8	12.0	12.2	11.6	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*).

AUGUST 1925.

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	900	894	899	904	897	894	900	870	871	875	879	890	898	899	894	900	Midnight
1h	898	891	899	895	888	898	899	869	880	876	885	890	898	898	892	899	1h
2	902	899	900	898	881	899	906	879	888	880	885	890	897	898	892	900	2
3	900	897	899	879	887	898	901	897	907	889	888	890	896	899	892	900	3
4	900	894	901	879	891	898	901	895	890	881	890	890	894	900	898	899	4
5	901	896	905	876	891	899	902	899	890	881	890	894	895	900	901	900	5
6	903	899	908	880	895	900	906	891	890	889	890	899	900	900	905	901	6
7	908	903	910	881	900	905	910	906	890	895	897	900	900	904	909	906	7
8	912	910	911	884	909	902	912	899	895	891	900	900	900	912	912	908	8
9	919	909	912	887	900	905	912	888	898	898	902	899	903	920	915	908	9
10	920	910	913	889	897	897	912	881	900	890	905	902	911	926	915	907	10
11	923	919	905	901	901	892	910	889	902	888	901	913	910	924	910	900	11
Noon	914	920	909	910	899	898	915	882	900	892	901	909	910	928	910	900	Noon
13h	900	917	921	900	909	920	897	873	890	890	902	901	910	927	910	907	13h
14	897	918	920	899	912	928	885	870	861	880	905	900	909	922	918	910	14
15	894	908	919	890	908	921	851	876	869	880	896	895	901	919	912	910	15
16	881	900	910	878	895	911	825	879	875	880	889	889	900	908	908	901	16
17	880	894	907	869	888	905	823	869	878	880	888	882	898	897	900	897	17
18	890	897	908	877	890	909	836	875	879	880	890	891	897	900	900	903	18
19	890	899	909	880	891	909	837	874	879	882	890	895	899	899	905	905	19
20	890	893	910	880	890	908	846	872	880	885	889	895	899	898	902	905	20
21	890	895	903	879	890	900	858	871	880	882	889	895	898	898	903	910	21
22	887	900	900	884	890	900	862	879	880	880	889	895	898	895	903	910	22
23	891	901	896	893	890	902	859	877	870	880	890	896	900	892	906	912	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	910	877	870	880	880	880	880	878	879	879	873	886	890	892	885	887·2	Midnight
1h	917	878	881	880	879	880	880	879	871	880	872	884	892	893	886	887·3	1h
2	910	879	874	882	879	890	879	880	873	880	891	887	899	897	882	889·5	2
3	909	880	880	882	880	889	890	890	877	900	890	889	897	900	888	892·2	3
4	909	881	890	883	880	899	880	890	880	890	882	891	897	905	887	891·8	4
5	908	882	890	886	885	890	878	890	880	890	889	892	899	890	890	899·9	5
6	909	889	880	888	888	890	881	891	889	895	890	894	900	900	891	894·7	6
7	908	896	890	890	890	893	890	892	889	900	896	900	908	895	900	898·7	7
8	907	900	898	892	892	901	887	898	890	900	900	911	908	899	910	901·6	8
9	905	900	898	892	893	910	890	900	890	902	901	918	901	900	919	903·0	9
10	903	901	896	891	893	916	884	900	891	902	906	922	908	897	920	903·4	10
11	906	910	890	890	896	918	890	905	891	899	908	930	910	892	919	904·6	11
Noon	910	918	882	899	900	913	889	906	890	897	909	931	924	898	923	906·0	Noon
13h	910	920	895	890	899	910	880	899	869	900	910	929	922	899	915	903·9	13h
14	909	912	918	890	891	898	865	897	863	902	910	917	903	899	901	900·3	14
15	898	895	910	890	888	880	852	880	880	900	900	900	890	870	893	892·7	15
16	890	880	890	879	880	867	870	872	885	891	891	894	881	871	891	885·8	16
17	891	865	880	873	870	860	867	865	880	880	881	890	886	877	885	880·8	17
18	890	860	878	874	869	867	861	869	885	879	889	891	890	880	886	883·5	18
19	874	854	880	879	870	889	870	870	885	886	880	891	899	880	882	884·9	19
20	863	857	880	880	871	879	880	870	887	881	880	892	896	881	887	884·7	20
21	865	870	880	880	879	880	881	870	889	881	881	892	894	881	892	885·7	21
22	864	870	880	880	880	875	890	874	888	879	881	893	893	881	894	886·3	22
23	875	868	880	880	880	880	879	830	879	872	882	890	894	885	880	885·8	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).

AUGUST 1925.

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	841	842	842	838	839	840	839	841	838	838	838	834	830	828	826	823	Midnight
1h	842	841	842	837	840	840	838	840	838	837	837	834	830	829	826	824	1h
2	842	841	842	838	840	839	837	839	835	836	837	834	830	829	826	825	2
3	842	841	841	838	839	839	836	837	833	835	836	834	830	829	826	825	3
4	842	842	842	838	839	838	835	838	833	835	835	833	830	829	827	825	4
5	842	842	842	837	840	839	836	838	833	835	835	833	830	830	827	826	5
6	843	843	842	839	840	839	837	836	833	835	835	833	830	830	827	827	6
7	842	841	841	838	838	839	834	832	833	833	834	832	830	829	827	827	7
8	845	842	843	840	840	840	836	833	839	837	837	833	830	830	830	829	8
9	849	844	847	844	845	843	839	841	842	839	842	838	834	832	832	830	9
10	850	848	842	847	847	844	842	846	845	840	841	838	837	832	832	829	10
11	848	848	830	841	838	841	833	843	840	839	839	833	837	828	830	822	11
Noon	844	845	822	831	833	828	824	839	832	833	838	829	830	820	830	818	Noon
13h	837	840	801	830	825	820	817	826	830	831	834	828	829	813	830	810	13h
14	832	839	798	828	823	820	812	818	824	832	832	828	828	812	820	800	14
15	829	839	808	828	822	817	810	819	827	831	830	820	819	811	818	792	15
16	832	842	818	830	825	824	818	824	828	832	830	820	818	815	817	802	16
17	840	845	828	837	833	831	830	831	832	836	833	828	821	820	820	813	17
18	846	848	834	841	840	838	837	836	837	837	838	832	829	828	827	822	18
19	846	848	838	841	841	839	841	840	838	837	838	832	830	828	828	823	19
20	845	846	839	842	841	840	843	838	838	838	838	832	830	828	828	823	20
21	845	846	839	842	842	840	842	839	838	838	838	832	830	828	828	823	21
22	845	844	839	842	841	840	842	838	838	839	838	832	830	828	827	822	22
23	843	843	838	841	841	840	842	838	839	839	838	832	830	828	827	821	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	820	826	829	828	826	825	823	822	822	820	819	817	812	811	812	828·7	Midnight
1h	820	825	825	827	825	824	825	822	822	820	820	817	813	811	812	828·5	1h
2	820	824	826	825	824	823	824	822	822	819	820	817	813	812	812	828·2	2
3	820	825	827	824	823	822	821	820	821	818	819	817	813	812	812	827·6	3
4	821	825	827	824	823	821	820	820	821	818	819	817	813	812	813	827·6	4
5	821	825	826	824	823	821	822	820	820	818	819	817	813	812	813	827·7	5
6	822	825	826	826	823	821	821	820	820	817	819	817	813	813	813	827·8	6
7	822	822	825	823	823	820	815	817	819	813	816	813	812	810	811	826·2	7
8	828	826	828	828	824	823	818	820	821	818	819	813	814	819	819	829·1	8
9	830	830	830	833	828	829	821	823	826	821	820	813	820	823	825	832·7	9
10	830	830	832	839	829	830	829	825	828	821	820	815	823	823	830	834·3	10
11	826	829	832	835	826	829	829	828	823	818	815	812	820	820	820	830·7	11
Noon	821	815	830	829	821	829	829	823	820	812	810	810	812	816	810	825·3	Noon
13h	815	810	815	825	816	830	830	822	815	810	808	810	803	810	808	820·3	13h
14	810	810	802	804	808	828	823	820	808	804	804	808	800	805	800	815·5	14
15	809	817	807	800	801	821	825	814	799	804	802	810	794	800	799	813·6	15
16	810	820	818	805	800	818	822	813	795	802	801	809	794	802	802	815.7	16
17	818	824	825	815	811	819	820	820	805	806	807	809	804	808	808	821·8	17
18	822	830	829	822	821	822	821	822	813	813	815	811	810	813	813	827·3	18
19	824	830	830	824	826	823	823	822	817	816	816	812	811	813	814	828·7	19
20	827	830	830	825	827	824	826	822	818	817	817	812	811	814	814	829·1	20
21	828	830	830	826	828	828	825	822	819	818	816	812	811	814	813	829·4	21
22	828	830	830	826	828	828	826	822	819	818	818	812	811	814	812	829·3	22
23	826	830	829	826	828	830	828	822	820	819	819	812	811	814	812	829·2	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 1925.

Month and Day 1925.	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.	Height at which the Easterly Component of the wind was observed to be zero
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees.	Wind. Velocity.	Highest.	Lowest.	Range.					
	mbs.	c	c	c	%	mbs.		m.p.s.	c	c	c		m.m.	hrs.		metres
AUG. 1	972·6	16·8	0·6	15·7	94	17·7	303	5·0	17·4	13·9	3·5	1·0	13·5	0·1	1	...
2	974·3	16·9	0·8	15·4	91	17·3	315	5·0	17·6	15·2	2·4	1·0	11·5	0·1	1	...
3	974·6	19·0	0·4	18·3	95	20·8	303	7·8	21·1	12·3	8·8	9·1	1·7	4·6	41	2700
4	974·4	17·7	0·6	16·6	93	18·7	292	5·3	20·1	13·3	6·8	6·8	0·2	8·3	74	-
5	974·1	17·0	1·6	14·0	82	15·8	315	4·9	19·0	14·7	4·3	4·1	1·0	5·7	51	...
6	974·5	17·1	3·0	11·6	70	13·5	281	6·0	22·7	13·7	9·0	7·4	3·0	5·9	53	...
7	970·8	17·9	1·9	14·4	80	16·3	270	5·0	20·0	12·5	7·5	8·1	3·5	6·1	54	2100
8	969·9	19·9	3·9	12·9	64	14·8	292	4·0	22·0	12·6	9·4	3·8	0·5	8·5	75	1600
9	971·1	17·1	0·9	15·4	90	17·3	315	0·9	18·9	11·5	7·4	8·5	0·6	3·8	34	...
10	971·7	16·6	0·7	15·3	92	17·2	315	7·5	16·7	13·1	3·6	9·4	6·7	1·7	15	...
11	973·7	16·1	2·5	11·4	74	13·4	303	6·5	16·6	11·8	4·8	9·5	4·9	6·2	55	...
12	973·3	17·9	4·0	10·6	63	12·7	292	7·5	17·8	13·0	4·8	6·5	4·2	8·0	71	...
13	972·9	15·2	1·2	12·9	87	14·8	292	5·2	19·6	12·6	7·0	4·5	3·6	8·6	76	...
14	971·1	18·8	3·8	11·9	64	13·8	292	6·5	20·6	12·3	8·3	4·2	1·0	9·6	84	...
15	969·3	18·9	2·0	15·3	80	17·2	292	4·4	21·0	13·1	7·9	8·9	9·5	7·8	69	...
16	968·8	18·1	0·9	16·4	90	18·5	270	3·0	16·2	13·8	2·4	8·9	3·7	0·3	3	...
17	969·2	20·3	2·3	16·2	77	18·2	79	1·8	21·9	12·0	9·9	4·2	0·0	7·5	66	2600
18	970·2	19·6	2·6	15·0	75	16·9	326	6·9	21·5	13·9	7·6	0·1	1·0	10·9	96	...
19	972·5	19·8	2·2	15·9	78	17·9	303	8·5	20·1	14·0	6·1	2·6	0·4	10·4	91	1050
20	972·5	18·4	3·7	11·6	64	13·5	348	4·0	20·3	12·8	7·5	0·0	0·0	11·0	96	1600, 500
21	972·5	17·9	5·0	8·7	55	11·2	315	5·5	20·4	11·3	9·1	4·6	0·0	8·3	72	3500
22	974·3	18·3	3·0	12·8	71	14·7	292	6·0	19·7	14·2	5·5	4·0	4·0	9·5	83	above
23	974·9	19·5	4·5	11·4	60	13·4	292	4·5	20·9	12·2	8·7	2·6	0·0	10·4	90	3500
24	975·1	18·3	4·3	10·4	60	12·5	315	3·8	19·8	12·3	7·5	7·6	0·0	3·6	31	...
25	975·3	16·0	1·1	13·9	87	15·7	326	6·9	17·4	13·0	4·4	7·5	0·0	2·2	19	...
26	976·1	16·0	1·8	12·6	81	14·5	292	10·0	19·4	13·6	5·8	5·6	0·6	9·7	84	...
27	977·5	18·0	4·1	10·5	62	12·6	303	7·9	18·5	14·2	4·3	7·4	1·1	6·8	59	...
28	976·9	16·9	2·1	13·0	78	14·9	303	8·5	19·0	13·0	6·0	9·0	5·8	6·9	60	...
29	975·4	19·0	4·1	11·6	62	13·5	292	6·4	20·3	13·4	6·9	7·6	0·3	9·8	85	...
30	973·7	16·5	2·0	12·8	79	14·7	315	5·7	20·4	14·3	6·1	9·1	3·2	6·4	55	...
31	973·1	18·2	2·5	13·6	74	15·4	303	7·1	19·8	14·0	5·8	8·4	5·5	8·0	69	3000
Mean	973·1	17·9	2·4	13·5	76·5	15·5	° 302	5·7	19·6	13·2	6·4	5·9	Sum 91·0	6·67	58·5	...
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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

Mean of the month at 10 a.m.

Atmospheric Presssure	+ 42·8 mbs
Temperature of the Air	+ 3·8 C.
Vapour Tension	− 1·0 mbs.
Relative Humidity	− 12·7 %
Direction of Wind	0·3° S
Velocity of Wind	− 0·5 mps.

Duration of sunshine	+18·4 hours
Amount of cloud	− 0·4
Amount of rain	−55·6 m.m.
Mean of highest temperatures	+4·0C
Mean of lowest temperatures	+3.1C
Absolute highest temperature	+2·3C
Absolute lowest temperature	+1·0C

* South (0); West (8); North (16); East (24).

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1925.

Month and Day 1925.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0–10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
AUG.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1014·0	+ 0·2	22·8	18·7	4·1	19·9	+ 0·1	2·1	16·1	+ 1·1	79	+ 4	18·1	16·4	0·0	...	3·0	10·0
2	1016·0	+ 2·2	22·0	18·7	3·3	19·7	— 0·1	2·2	15·8	+ 0·8	78	+ 3	17·8	16·6	0·6	35	3·6	10·0
3	1016·0	+ 2·2	24·4	19·3	5·1	21·2	+ 1·4	2·9	16·1	+ 1·1	73	— 1	18·1	17·7	0·0	...	5·2	8·5
4	1015·9	+ 2·1	24·2	17·6	6·6	20·9	+ 1·1	3·3	15·1	+ 0·1	69	— 5	17·0	13·3	0·0	...	5·4	5·5
5	1016·0	+ 2·2	23·8	15·6	8·2	19·8	0·0	3·7	13·2	— 1·8	66	— 8	15·0	10·3	0·0	...	4·5	5·8
6	1015·7	+ 1·9	22·9	16·8	6·1	19·0	— 0·8	2·9	13·8	— 1·2	72	— 2	15·6	14·3	2·0	105	3·7	[illegible]
7	1012·4	— 1·4	23·7	15·4	8·3	19·2	— 0·6	2·4	14·9	— 0·1	76	+ 2	16·8	10·7	0·4	10	4·9	[illegible]
8	1011·8	— 2·0	25·0	15·7	9·3	20·3	+ 0·5	3·0	14·9	0·0	71	— 3	16·8	10·3	0·3	25	5·0	5·0
9	1012·7	— 1·1	22·7	14·7	8·0	18·2	— 1·7	1·5	15·5	+ 0·6	84	+ 10	17·4	10·9	7·8	115	2·5	6·4
10	1014·0	+ 0·2	21·8	17·8	4·0	19·4	— 0·5	2·9	14·2	— 0·7	72	— 2	16·1	14·4	0·7	25	5·4	5·7
11	1015·8	+ 2·0	21·7	16·7	5·0	18·4	— 1·5	3·6	11·8	— 3·1	65	— 9	13·7	13·8	0·0	...	4·5	7·5
12	1015·0	+ 1·1	22·6	16·1	6·5	18·8	— 1·1	3·5	12·5	— 2·4	67	— 7	14·4	11·6	0·5	5	4·8	5·1
13	1014·3	+ 0·4	23·0	14·3	8·7	18·6	— 1·3	3·3	12·6	— 2·3	68	— 6	14·5	9·5	0·2	5	4·7	4·9
14	1012·5	— 1·4	23·5	15·4	8·1	19·1	— 0·8	2·8	14·0	— 0·9	72	— 2	15·8	11·4	1·2	30	5·4	4·7
15	1010·6	— 3·3	24·1	14·7	9·4	19·5	— 0·5	2·0	15·9	+ 0·9	80	+ 6	17·9	10·6	0·5	15	4·7	6·3
16	1010·2	— 3·7	21·9	17·8	4·1	19·5	— 0·5	1·1	17·5	+ 2·5	88	+ 14	19·8	12·4	16·0	210	4·3	8·2
17	1010·7	— 3·3	24·9	15·4	9·5	20·0	0·0	2·0	16·4	+ 1·4	80	+ 6	18·5	12·0	0·0	...	3·0	4·4
18	1012·2	— 1·8	25·0	17·6	7·4	21·1	+ 1·1	2·8	16·2	+ 1·2	73	— 1	18·2	13·8	0·0	...	5·0	2·0
19	1014·3	+ 0·3	24·8	18·7	6·1	20·9	+ 0·9	1·7	17·9	+ 2·9	83	+ 10	20·3	13·5	0·0	...	4·9	1·7
20	1013·9	— 0·2	24·4	12·7	11·7	19·1	— 1·0	3·7	12·4	— 2·6	65	— 8	14·3	12·6	0·0	...	6·0	1·5
21	1014·3	+ 0·2	23·8	12·3	11·5	18·6	— 1·5	3·5	12·3	— 2·7	67	— 6	14·2	10·8	0·0	...	5·0	5·9
22	1015·6	+ 1·5	24·0	15·8	8·2	19·9	— 0·2	3·3	14·0	— 1·0	69	— 4	15·8	11·0	0·8	10	5·4	5·5
23	1016·5	+ 2·4	24·7	15·5	9·2	20·1	0·0	3·6	13·7	— 1·3	67	— 6	15·5	11·0	0·0	...	6·0	3·2
24	1016·9	+ 2·8	23·8	16·9	6·9	19·8	— 0·4	3·8	13·0	— 2·0	65	— 8	14·9	10·8	0·0	...	5·0	8·7
25	1017·5	+ 3·4	23·3	14·8	8·5	19·3	— 0·9	3·5	13·0	— 2·0	67	— 6	14·9	8·3	0·0	...	5·2	6·8
26	1018·9	+ 4·8	23·3	16·9	6·4	19·5	— 0·7	3·9	12·4	— 2·6	64	— 9	14·3	12·2	0·0	...	5·6	5·8
27	1020·0	+ 5·9	23·2	16·4	6·8	19·3	— 0·9	3·4	13·2	— 1·9	68	— 5	15·0	14·0	0·4	20	5·5	7·3
28	1019·3	+ 5·2	22·8	16·1	6·7	19·0	— 1·3	2·9	13·8	— 1·3	72	— 1	15·6	13·7	1·5	45	5·3	8·2
29	1017·0	+ 2·9	24·3	17·5	6·8	20·1	— 0·2	4·0	12·9	— 2·2	64	— 9	14·8	11·3	0·0	...	5·0	6·1
30	1015·0	+ 0·9	24·8	15·7	9·1	19·6	— 0·7	3·3	13·7	— 1·4	69	— 4	15·5	11·4	1·4	10	5·4	5·6
31	1014·8	+ 0·7	24·3	16·2	8·1	20·1	— 0·2	2·9	14·9	— 0·2	72	— 1	16·8	13·4	1·1	15	6·0	7·0
Mean	1014·8	+ 0·8	23·6	16·3	7·3	19·6	— 0·4	3·0	14·3	— 0·7	71·8	— 1·8	16·2	12·4	Sum 60·4	Sum 680	4·8	6·0
Aver.	1014·0	...	24·1	16·4	7·7	20·0	...	2·8	15·0	...	73·6	...	16·9	13·1	59·8	1461	4·0	5·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF AUGUST 1925.

Pressure was above normal on 22 days during August and 0.8 mbs. above in the mean. Three high pressure systems passed the meridian of Mauritius on the 4th, 11th, 27th respectively. The boundary between the trades and the anti-trades fell to between 1,000 and 1,600 metres during the passage of the intervening low pressures and rose to between 2,700 metres and over 3,500 metres as the high pressure systems passed. Gradients across the Indian Ocean followed closely the pressure variations at Mauritius. The pressure difference decreased to between 5 and 6 mbs. during the passage of the low pressure systems and increased to about 12 mbs. during each high pressure system.

Temperature was below normal on all days except six and 0.4C below in the mean.

Relative humidity was 1.8 % below normal.

Wind velocity was normal in the mean, high velocities occurring from the 1st to the 3rd, 10th to 11th and 25th to 28th.

Rain fell on 16 days and was 40 % below normal at the Observatory.

The percentage variations from the normal for the different districts of the Island were as follows.

Northern Districts	River System 1,	8% below	Western Districts	River System 11	17% above
Eastern Districts	,, ,, 2, 3, 4,	18% ,,		,, ,, 12	14% below
South-Eastern Districts	,, ,, 5 & 6	89% above		,, ,, 13	... ,,

October 22, 1925

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1925

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
AUGUST	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	0·1	1	− 3·8	+ 3·5	43	5·1	5·2	+ 1·3	25·4	24·2	22·8	22·0	...	21·6	21·5	o.gq .
2	0·0	0	− 3·4	+ 3·6	47	4·9	5·1	+ 1·2	25·4	24·1	22·7	21·9	...	21·4	22·0	o.g.q.p. .
3	6·8	61	− 2·7	+ 3·7	54	4·6	5·6	+ 1·7	25·4	24·2	22·7	21·8	...	21·6	21·9	o.g.q. : cp . .
4	8·9	80	− 2·8	+ 2·7	44	3·9	3·9	0·0	25·4	24·2	22·7	22·0	...	22·1	22·5	o : cp .
5	9·0	80	− 3·9	+ 3·2	39	5·0	4·4	+ 0·5	25·4	24·1	22·7	22·0	...	21·8	21·8	cp : c.q. : .
6	6·8	61	− 1·6	+ 3·6	66	3·9	4·1	+ 0·2	25·4	24·1	22·7	21·8	...	21·4	21·2	o.g : c.qp cp .
7	6·6	59	− 0·6	+ 2·3	75	2·4	2·6	− 1·3	25·3	24·2	22·7	21·6	...	21·2	21·3	c.f. .
8	9·5	84	− 0·8	+ 0·9	48	1·2	2·1	− 1·8	25·3	24·1	22·6	21·7	...	21·7	22·0	o.g : c.f. : b .
9	1·8	16	− 1·4	+ 0·8	30	0·8	1·8	− 2·1	25·3	23·9	22·6	21·9	...	21·4	21·2	b : c : cp. .
10	9·3	82	− 4·2	+ 3·6	41	2·7	5·6	+ 1·7	25·3	24·2	22·6	21·8	...	21·3	21·3	b : c.gq .
11	5·5	49	− 3·3	+ 4·3	52	5·4	5·4	+ 1·5	25·3	23·9	22·6	21·4	...	20·8	20·5	c.g.q .
12	8·0	71	− 2·1	+ 3·5	59	4·1	4·1	+ 0·2	25·3	24·0	22·5	21·3	...	20·7	20·5	c.f.q : b .
13	9·0	80	− 1·8	+ 3·1	60	3·6	3·7	− 0·2	25·3	24·1	22·4	21·1	...	20·6	20·4	b : c.f.q .
14	8·5	75	− 2·4	+ 2·6	47	3·5	3·6	− 0·3	25·3	24·0	22·3	21·0	...	20·8	20·7	c.f.q .
15	8·6	75	− 1·8	+ 2·3	52	2·9	2·9	− 1·0	25·3	23·9	22·2	21·1	...	21·1	21·4	c.f : cp : .
16	1·0	9	− 0·1	+ 0·6	80	0·6	1·4	− 2·5	25·2	24·0	22·2	21·5	...	21·5	21·8	c: : o.g.r. .
17	6·1	54	− 1·1	+ 0·3	15	1·1	2·0	− 1·9	25·2	23·9	22·2	21·6	...	21·7	22·1	c.f.d : b .
18	10·8	95	− 3·4	+ 2·0	31	3·9	4·1	+ 0·2	25·2	23·9	22·3	22·0	...	22·1	22·6	b : cf. : b .
19	10·4	91	− 2·6	+ 3·1	50	4·0	4·1	+ 0·2	25·2	23·9	22·4	22·1	...	22·5	22·9	b : c.f. : b .
20	11·2	98	− 3·0	+ 1·4	25	1·6	3·3	− 0·6	25·2	23·8	22·5	22·1	...	22·4	22·7	b : c.f : : b .
21	7·6	66	− 2·2	+ 1·3	31	2·5	2·6	− 1·3	25·2	23·9	22·5	22·0	...	21·9	22·1	c.f. : b .
22	8·7	76	− 2·4	+ 2·6	47	3·5	3·6	− 0·3	25·2	23·9	22·5	21·9	...	21·9	22·0	b : c.f. .
23	10·7	93	− 1·9	+ 2·5	53	3·1	3·2	− 0·7	25·1	24·1	22·5	21·9	...	22·1	22·2	b : cf. .
24	4·4	38	− 2·6	+ 1·7	33	3·1	3·2	− 0·7	25·1	23·9	22·5	22·0	...	22·1	22·2	o : c : cf. .
25	8·0	70	− 3·6	+ 2·6	36	4·4	4·6	+ 0·7	25·0	23·8	22·5	21·9	...	21·8	21·8	cf : cgd : c .
26	7·8	67	− 3·4	+ 4·5	53	5·6	5·7	+ 1·8	25·1	23·9	22·4	21·7	...	21·6	21·5	c.f.q .
27	6·8	59	− 2·6	+ 3·9	56	4·7	4·8	+ 0·9	25·2	23·9	22·4	21·6	...	21·5	21·4	cf. : c.q .
28	8·2	71	− 3·0	+ 3·7	51	4·7	4·9	+ 1·0	25·1	23·8	22·4	21·5	...	21·4	21·2	o.rg : c.f. c .
29	9·1	78	− 1·8	+ 3·0	59	3·5	3·6	− 0·3	25·1	23·9	22·4	21·5	...	21·5	21·6	c.gq c f. : .
30	7·8	67	− 2·1	+ 2·2	46	3·0	3·1	− 0·8	25·1	23·8	22·3	21·7	...	21·5	21·7	b : c.f. : : o .
31	8·1	70	− 2·6	+ 2·8	47	3·8	3·9	0·0	24·9	23·9	22·3	21·9		21·9	21·9	o.g. : cf. .
Mean	7·26	63·7	−2·42	+2·64	47·5	3·58	3·81	− 0·09	25·23	23·98	22·49	21·72	...	21·59	21·67	...
Average	7·69	67·8	−1·40	+3·20	66·4	3·49	3·90	...	24·84	23·83	...	...	...	21·45	21·35	...
Column	1	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF AUGUST 1925.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1021·4mbs	at	0^h	on 27th	1008·5mbs	at 15^h	on 16th
Temperature of the Air	25·0C	at	13^h35^m / 14^h10^m	on 8 / 18	12·3	at 0^h25^m	on 21st
Daily range of temperature of the Air...	11·7C		...	on 20th	3·3C	...	on 2nd
Temperature of the Dew Point	19·7C	at	13^h	on 16th	9·6C	o	on 21st
Daily range of temperature of the Dew Point	6·1C	...	...	on 10th	1·7C	...	on 18th
Relative humidity...	95·8%	at	13^h	on 16th	42·0%	at 12^h	on 29th
Wind Velocity	9·9 m.p.s.	at	16^h	on 10th	0·6mps	often	often
Rainfall	16·0mm.	ending	14^h	on 16th	...	...	...
Temperature of the soil at 3 ins. ...	24·5C	at	18^h	on 18th	18·9C	at 9^h	on 13th
,, ,, at 6 ins. ...	23·2C	at	18^h	on 20th	19·9C	at 12^h	on 13th
Duration of sunshine...	11·2 hrs.		...	on 20th	0·0 hrs.	...	on 2nd
Amount of Evaporation in 24 hours	6·0mm.		...	on 20th, 23rd, 31st	2·5 m.m.	...	on 9th
Vapour Tension	22·7mbs	at	13^h	on 16th	11·9 mbs	at 0^h	on 21st
Minimum on Grass	...		...	...	8·3C	...	on 25th

Number of Days Overcast, 8, Clear 3, of Rain 16, of Lightning 0, of Thunderstorm 0

Mean Day Temperature of Air 21·20C Average 21·78C, Mean Night Temperature of Air 18·04C Average 18·05C

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

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 1925.

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

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day / Hour
Midnight	0143	0156	0168	0165	0172	0162	0149	0116	0132	0133	0162	0160	0150	0143	0116	0110	Midnight
1h	0140	0152	0164	0164	0171	0166	0145	0118	0135	0132	0160	0159	0145	0140	0112	0110	1h
2	0138	0152	0160	0160	0170	0162	0140	0115	0132	0133	0158	0156	0142	0132	0110	0106	2
3	0131	0150	0155	0154	0163	0158	0134	0114	0127	0131	0155	0150	0142	0133	0107	0100	3
4	0128	0148	0155	0150	0160	0157	0128	0110	0120	0128	0153	0149	0142	0130	0103	0099	4
5	0127	0150	0153	0150	0156	0154	0126	0109	0117	0126	0152	0147	0140	0127	0102	0099	5
6	0130	0151	0154	0152	0154	0155	0128	0110	0120	0130	0158	0149	0144	0133	0104	0100	6
7	0137	0160	0160	0157	0159	0161	0133	0114	0128	0139	0162	0155	0149	0137	0108	0104	7
8	0140	0163	0168	0160	0166	0167	0136	0120	0133	0140	0166	0160	0154	0139	0111	0108	8
9	0149	0166	0173	0164	0168	0170	0140	0123	0135	0143	0170	0161	0153	0142	0113	0110	9
10	0153	0168	0175	0169	0172	0172	0139	0124	0137	0146	0175	0162	0157	0141	0113	0111	10
11	0148	0166	0170	0165	0164	0168	0130	0119	0133	0141	0168	0156	0148	0133	0112	0109	11
Noon	0146	0160	0164	0158	0159	0167	0124	0112	0128	0138	0160	0148	0140	0128	0106	0105	Noon
13h	0138	0157	0158	0151	0153	0160	0115	0109	0122	0135	0158	0143	0139	0118	0100	0102	13h
14	0130	0154	0150	0148	0150	0152	0110	0108	0117	0130	0148	0139	0132	0109	0092	0094	14
15	0127	0154	0150	0147	0149	0149	0105	0106	0114	0129	0148	0132	0124	0105	0090	0085	15
16	0126	0155	0149	0150	0149	0148	0107	0109	0115	0130	0147	0133	0130	0106	0090	0087	16
17	0134	0156	0150	0151	0150	0147	0108	0114	0122	0134	0148	0137	0133	0110	0097	0091	17
18	0139	0159	0152	0155	0150	0149	0109	0113	0122	0143	0150	0141	0140	0113	0100	0095	18
19	0146	0161	0155	0160	0154	0149	0110	0122	0125	0147	0159	0149	0142	0117	0104	0099	19
20	0150	0170	0160	0167	0160	0150	0113	0130	0131	0153	0160	0151	0146	0120	0110	0104	20
21	0150	0172	0166	0170	0162	0152	0117	0131	0135	0162	0162	0155	0148	0121	0112	0110	21
22	0157	0171	0166	0171	0165	0153	0117	0133	0135	0163	0162	0157	0148	0121	0112	0110	22
23	0158	0170	0165	0170	0164	0152	0120	0135	0135	0164	0163	0156	0147	0120	0113	0110	23

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day / Hour
Midnight	0110	0121	0141	0157	0145	0154	0170	0181	0176	0187	0214	0213	0192	0163	0156	1015·5	Midnight
1h	0105	0117	0141	0155	0145	0152	0169	0179	0174	0187	0209	0213	0190	0162	0151	1015·4	1h
2	0103	0114	0139	0148	0142	0149	0167	0172	0172	0182	0205	0212	0185	0157	0148	1016·0	2
3	0100	0110	0137	0140	0138	0143	0164	0164	0168	0176	0198	0200	0179	0150	0145	1014·6	3
4	0098	0107	0137	0140	0136	0141	0163	0162	0163	0176	0195	0197	0174	0148	0142	1014·3	4
5	0096	0111	0139	0140	0136	0143	0161	0160	0161	0176	0192	0195	0176	0146	0140	1014·2	5
6	0099	0116	0142	0140	0140	0149	0160	0167	0168	0181	0194	0200	0179	0152	0143	1014·5	6
7	0104	0119	0146	0144	0142	0153	0164	0173	0171	0185	0202	0205	0178	0156	0147	1015·0	7
8	0108	0122	0153	0150	0150	0160	0168	0175	0174	0189	0205	0206	0178	0159	0152	1015·4	8
9	0115	0129	0155	0153	0158	0166	0171	0179	0182	0193	0207	0208	0178	0161	0156	1015·8	9
10	0118	0132	0155	0156	0155	0169	0173	0179	0184	0193	0207	0208	0178	0161	0156	1015·9	10
11	0113	0128	0150	0153	0149	0169	0171	0174	0179	0192	0204	0198	0175	0156	0152	1015·5	11
Noon	0108	0120	0144	0137	0144	0157	0163	0168	0174	0186	0197	0188	0168	0148	0145	1014·8	Noon
13h	0101	0113	0136	0130	0137	0155	0160	0161	0171	0182	0190	0180	0161	0143	0140	1014·3	13h
14	0098	0112	0129	0123	0133	0148	0155	0156	0168	0179	0188	0175	0154	0136	0137	1013·7	14
15	0096	0111	0125	0120	0131	0146	0150	0155	0166	0176	0185	0172	0149	0132	0134	1013·4	15
16	0097	0114	0130	0120	0131	0148	0152	0156	0169	0176	0185	0172	0148	0132	0134	1013·5	16
17	0099	0116	0135	0125	0133	0150	0154	0160	0172	0180	0191	0177	0150	0136	0136	1013·9	17
18	0105	0122	0137	0126	0136	0155	0157	0165	0176	0191	0198	0180	0154	0143	0138	1014·2	18
19	0110	0129	0142	0128	0143	0160	0160	0169	0179	0196	0202	0182	0158	0147	0145	1014·7	19
20	0114	0136	0147	0138	0147	0163	0168	0173	0183	0202	0206	0189	0163	0152	0150	1015·2	20
21	0118	0141	0152	0142	0152	0167	0174	0176	0185	0209	0211	0194	0168	0155	0161	1015·6	21
22	0121	0142	0153	0142	0152	0169	0179	0176	0187	0210	0213	0194	0168	0158	0167	1015·7	22
23	0125	0143	0154	0142	0154	0169	0179	0176	0187	0212	0213	0194	0165	0158	0167	1015·7	23

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

Hour. \ Day.	AUGUST 1925.																															
	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	10	10	10	2	3	7	6	0	1	6	4	1	3	4	9	3	0	0	0	6	0	2	10	8	7	7	6	9	1	10	5·0
1h	10	10	10	10	4	5	8	10	0	1	8	3	3	3	4	9	2	0	0	0	6	1	1	10	7	8	8	8	9	1	10	5·5
2	10	10	10	10	5	10	2	10	1	1	8	4	4	3	5	8	3	0	0	1	8	1	1	10	8	9	8	9	9	1	10	5·8
3	10	10	10	10	8	10	9	10	4	3	8	5	6	3	4	8	2	0	0	1	9	3	1	10	7	7	7	10	8	2	10	6·3
4	10	10	10	7	6	8	5	10	5	5	8	6	8	3	5	9	3	0	0	1	9	6	2	10	6	5	6	10	9	3	9	6·3
5	10	10	9	3	3	5	4	10	7	8	8	8	6	3	5	9	2	1	1	1	9	8	2	10	6	3	6	10	9	6	7	6·1
6	10	10	9	2	2	2	4	9	9	9	9	9	2	2	4	9	2	1	2	1	9	9	3	10	5	5	5	9	9	9	4	5·9
7	10	10	9	3	3	4	8	8	7	8	8	9	3	4	5	10	4	1	2	0	9	5	1	10	4	5	6	9	7	9	4	6·0
8	10	10	9	6	6	5	8	3	7	7	8	6	5	5	4	10	3	1	2	0	9	8	1	8	7	7	6	6	7	9	5	6·1
9	10	10	9	6	7	7	7	2	7	7	8	3	6	6	3	10	3	1	2	1	9	9	1	9	10	6	6	8	7	7	6	6·2
10	10	10	8	6	7	7	8	1	9	6	9	9	7	9	5	10	6	3	3	3	7	7	1	10	9	6	7	6	7	6	5	6·7
11	10	10	7	7	7	8	7	0	9	7	9	7	8	6	6	10	5	4	3	4	5	6	1	10	9	7	7	6	5	5	4	6·4
Noon	10	10	7	5	7	8	8	0	10	7	6	6	5	4	9	10	5	4	1	4	3	6	1	9	6	6	8	9	4	3	4	6·0
13h	10	10	7	4	6	10	7	0	10	7	7	6	6	3	7	10	6	7	3	2	3	3	2	8	7	5	8	9	6	3	4	6·0
14	10	10	7	3	6	7	8	2	10	7	5	6	5	5	8	9	8	5	4	2	3	3	2	7	7	5	9	5	6	3	7	5·9
15	10	10	6	4	7	7	8	7	10	7	9	6	6	4	9	9	9	7	3	2	7	2	4	8	6	7	6	5	7	3	9	6·6
16	10	10	7	5	8	6	8	7	10	7	8	6	7	6	6	9	9	5	3	2	6	5	4	9	6	6	7	7	7	4	9	6·7
17	10	10	9	7	9	8	8	8	9	7	8	7	8	8	5	9	9	4	4	1	5	7	5	10	7	6	8	9	7	4	9	7·3
18	10	10	10	6	9	9	6	8	9	8	9	4	5	9	8	9	9	2	4	1	4	8	9	10	7	5	8	9	4	3	9	7·1
19	10	10	9	5	5	7	5	5	8	5	4	3	3	8	9	7	7	1	2	1	9	9	8	9	6	4	8	9	4	8	8	6·3
20	10	10	8	5	3	5	4	4	6	4	7	3	2	7	8	5	4	0	2	0	6	9	4	7	5	3	9	9	4	10	2	5·3
21	10	10	6	4	9	3	4	2	4	3	8	3	5	3	9	4	2	0	1	0	2	8	4	4	6	4	10	9	4	9	5	5·0
22	10	10	8	4	4	5	5	1	2	4	7	2	3	2	9	3	1	0	0	0	1	6	6	5	7	6	8	9	2	10	10	4·8
23	10	10	9	3	6	7	7	0	1	5	6	0	3	3	8	4	0	0	0	4	0	3	8	6	8	8	7	9	1	10	9	5·0

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

Hour* Ending \ Day.	AUGUST 1925.																															
	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	0	0	21	29	14	12	25	11	6	0	0	29	8	2	0	28	29	22	30	0	0	30	0	16	14	1	0	0	0	8	5·6
8	0	0	0	42	58	54	51	60	15	58	19	12	60	30	55	0	58	60	60	60	1	15	60	40	44	15	28	44	45	0	60	18·4
9	0	0	33	9	59	48	60	60	16	57	18	60	58	48	60	0	57	60	60	60	0	8	60	47	16	8	30	45	50	0	55	19·0
10	4	0	40	43	24	10	57	60	29	59	10	56	35	48	60	4	29	60	60	60	44	50	60	3	20	29	34	55	55	23	60	19·7
11	0	0	60	56	51	48	25	60	19	60	33	45	55	45	47	0	55	60	60	60	60	60	60	6	38	55	59	58	58	54	60	23·4
Noon	0	1	59	59	60	48	45	60	15	54	40	58	50	60	28	0	58	60	60	60	60	60	60	5	55	53	55	59	60	60	60	24·4
13h	1	0	58	60	60	34	59	60	3	50	54	53	60	60	60	0	58	60	60	60	60	60	60	18	60	58	48	46	60	60	60	25·0
14	0	0	12	60	60	20	55	45	0	58	56	55	60	52	60	0	12	60	60	60	60	60	60	57	59	60	40	47	60	60	60	23·5
15	0	0	59	60	60	47	12	43	0	60	25	55	60	60	53	24	10	60	60	60	60	60	60	58	30	55	30	56	55	60	14	22·4
16	0	0	60	60	45	45	22	60	0	60	45	48	29	58	38	23	0	60	55	60	60	60	60	28	60	58	44	45	55	60	47	22·4
17	0	0	27	60	36	33	0	28	0	38	29	40	42	35	52	5	2	59	53	60	50	60	60	0	58	60	30	38	49	60	0	17·7
18	0	0	0	6	0	5	0	11	0	0	0	0	0	5	0	7	0	22	12	40	0	31	14	0	25	0	6	0	0	31	0	3·6
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 225·1 hours and the total possible sunshine 353·2 hours.

* Reckoned from apparent midnight.

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 1925.

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

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

TABLE XI. (*Contd.*)—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 1925

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

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

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

AUGUST 1925.

Hour.	1d. N.	1d. E.	2d. N.	2d. E.	3d. N.	3d. E.	4d. N.	4d. E.	5d. N.	5d. E.	6d. N.	6d. E.	7d. N.	7d. E.	8d. N.	8d. E.	Day. Hour
Midnight	866	913	870	930	879	932	880	920	887	913	885	937	881	919	894	908	Midnight
1h	867	922	868	932	871	943	872	919	871	929	868	932	878	922	892	909	1h
2	863	937	868	932	876	936	878	922	868	921	900	950	887	919	907	907	2
3	859	928	864	924	876	936	868	922	873	918	886	922	889	916	906	902	3
4	855	930	866	923	870	930	874	917	887	913	875	937	891	909	914	914	4
5	864	924	865	923	875	925	873	918	881	913	866	934	892	908	886	914	5
6	866	923	862	925	870	930	877	915	896	903	876	936	889	911	886	910	6
7	864	936	871	929	877	934	876	916	880	920	874	926	887	932	890	907	7
8	857	943	869	921	877	934	868	922	873	927	879	931	879	921	885	910	8
9	864	936	876	936	870	945	876	936	859	941	867	950	882	918	893	932	9
10	859	941	855	945	863	956	880	948	852	948	879	950	893	932	892	938	10
11	857	943	854	946	867	950	868	948	854	946	875	959	900	935	886	936	11
Noon	852	948	851	949	881	946	848	952	844	956	900	963	900	934	886	936	Noon
13h	857	943	848	952	874	962	851	949	854	946	889	956	909	943	892	937	13h
14	852	948	856	944	870	946	849	934	846	954	900	939	908	937	896	921	14
15	852	948	857	943	866	951	861	939	868	948	884	940	900	941	882	873	15
16	869	931	875	937	872	942	854	946	864	954	881	940	894	928	888	869	16
17	852	938	871	944	870	945	875	925	879	950	887	934	900	924	898	889	17
18	873	927	883	941	871	929	874	917	865	935	900	930	896	921	898	888	18
19	863	937	864	936	873	927	884	911	879	921	882	927	896	921	889	889	19
20	862	938	867	933	878	922	873	918	881	919	890	915	896	918	879	900	20
21	861	939	857	943	875	925	887	913	887	933	886	922	896	919	885	910	21
22	873	927	875	937	875	917	883	917	880	930	895	922	896	919	888	909	22
23	864	924	883	943	871	929	889	916	882	927	886	921	906	914	890	907	23

Hour.	9d. N.	9d. E.	10d. N.	10d. E.	11d. N.	11d. E.	12d. N.	12d. E.	13d. N.	13d. E.	14d. N.	14d. E.	15d. N.	15d. E.	16d. N.	16d. E.	Day. Hour.
Midnight	884	916	870	912	866	934	893	934	885	915	883	917	887	913	890	914	Midnight
1h	887	913	866	923	864	936	895	926	880	920	883	917	890	910	893	909	1h
2	880	920	890	904	866	934	882	927	882	918	862	925	888	912	890	914	2
3	888	912	882	912	872	941	880	930	886	914	873	918	888	912	892	911	3
4	890	910	862	925	876	936	880	920	885	915	881	913	896	904	894	908	4
5	887	913	874	917	861	939	875	925	880	920	880	913	892	908	895	907	5
6	892	908	858	928	876	936	880	930	883	917	885	910	894	906	909	902	6
7	889	911	890	910	864	936	882	918	885	915	882	912	887	913	910	900	7
8	894	906	873	927	872	941	889	926	885	915	880	913	892	908	901	906	8
9	896	904	857	943	864	955	869	946	880	930	873	927	873	927	893	910	9
10	900	916	856	944	869	946	887	962	868	947	883	943	877	935	879	909	10
11	889	895	848	952	860	960	876	958	875	959	878	953	876	936	917	889	11
Noon	883	889	843	957	859	962	859	962	888	960	872	941	877	935	929	900	Noon
13h	891	891	853	947	851	973	854	968	874	963	869	946	878	953	907	884	13h
14	888	900	838	942	867	950	864	955	877	955	867	950	869	931	902	894	14
15	875	925	825	950	858	963	864	955	887	966	867	950	867	933	906	887	15
16	866	923	818	955	860	940	877	955	877	956	870	945	878	932	889	929	16
17	871	911	835	965	860	940	891	945	881	946	866	934	881	928	896	921	17
18	882	912	845	936	884	940	875	925	885	926	878	922	876	924	897	906	18
19	883	907	850	950	874	940	882	918	888	912	882	918	882	918	898	906	19
20	894	902	862	938	875	925	885	915	885	915	873	927	881	928	896	909	20
21	894	903	859	941	869	931	889	911	876	924	881	913	885	924	895	911	21
22	883	907	876	936	879	921	889	911	888	912	879	914	880	930	894	914	22
23	883	911	865	935	872	942	886	921	886	914	886	914	878	932	896	909	23

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

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

AUGUST 1925.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	897	908	875	910	877	923	872	911	889	905	885	915	888	912	889	908	Midnight
1h	894	914	864	914	876	924	882	908	884	907	891	921	884	916	888	909	1h
2	896	910	869	906	880	920	873	918	885	907	889	911	888	912	892	906	2
3	893	917	872	906	882	918	862	915	884	903	888	912	892	908	884	911	3
4	893	916	885	903	883	917	873	911	890	902	890	910	889	911	885	906	4
5	893	916	883	903	884	916	869	912	882	904	880	920	892	908	889	902	5
6	893	915	875	905	880	920	866	914	882	904	876	924	885	915	888	902	6
7	893	915	876	905	876	924	876	916	885	903	884	924	887	913	863	915	7
8	894	908	867	907	873	927	865	914	888	902	875	925	887	920	859	917	8
9	896	906	863	915	874	939	863	908	881	913	871	929	878	933	859	928	9
10	891	896	852	932	860	960	867	913	859	917	871	944	871	943	878	933	10
11	907	884	844	923	863	956	862	915	861	939	868	948	872	942	869	931	11
Noon	894	870	856	929	864	954	870	912	866	934	866	951	884	940	871	929	Noon
13h	900	859	844	937	860	960	866	913	847	935	869	946	882	944	868	932	13h
14	900	869	832	928	867	950	861	916	850	921	861	939	883	943	865	923	14
15	883	903	854	931	879	952	852	932	862	925	860	940	871	943	854	930	15
16	887	903	855	945	872	941	847	922	877	934	860	949	884	940	866	934	16
17	869	912	871	929	878	932	849	934	870	920	875	925	874	939	866	934	17
18	879	904	874	926	875	925	867	922	879	909	876	924	880	930	865	914	18
19	867	913	871	929	882	918	876	915	889	905	885	910	871	929	867	913	19
20	878	909	865	923	882	918	887	909	889	905	876	916	865	923	879	921	20
21	878	909	876	924	878	922	890	907	889	905	876	916	872	919	883	907	21
22	882	904	883	926	875	917	893	904	893	903	876	915	884	911	885	903	22
23	881	904	882	927	868	922	892	906	891	904	881	919	882	912	882	904	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	873	911	877	923	881	928	878	922	876	916	889	911	882	918	882	918	Midnight
1h	883	907	871	929	878	932	865	935	889	917	887	913	888	919	880	920	1h
2	882	908	865	935	887	920	882	918	880	920	892	908	882	918	882	919	2
3	890	904	876	936	883	926	880	920	890	925	889	911	887	913	882	918	3
4	887	906	875	937	871	929	875	925	882	943	887	913	885	910	882	918	4
5	886	900	869	931	874	926	874	926	886	921	882	918	877	915	880	917	5
6	884	900	868	932	883	925	878	922	883	926	883	917	887	933	881	918	6
7	890	900	863	937	882	927	882	927	886	921	884	916	889	926	881	919	7
8	863	915	877	935	865	935	861	939	880	920	889	926	872	942	877	922	8
9	864	914	852	948	867	949	870	945	879	931	871	919	864	936	872	931	9
10	853	947	863	957	862	957	864	954	871	944	864	936	881	947	871	940	10
11	843	937	852	972	861	958	848	952	875	959	864	954	855	945	869	941	11
Noon	837	942	861	958	858	962	848	952	877	955	865	935	859	941	869	940	Noon
13h	847	953	867	979	871	970	866	982	889	954	861	939	866	951	869	944	13h
14	828	948	854	968	863	957	861	959	878	952	866	934	857	943	867	937	14
15	842	939	846	954	861	958	859	961	867	950	864	936	860	940	866	939	15
16	835	943	854	969	900	949	869	946	863	937	860	926	859	941	868	938	16
17	852	932	851	949	861	939	861	939	891	946	866	934	869	946	872	934	17
18	864	924	861	939	873	927	883	942	879	921	882	918	874	926	877	924	18
19	862	938	870	945	878	922	879	921	885	915	885	915	864	924	877	921	19
20	864	936	872	941	880	920	864	936	887	913	887	913	869	921	878	920	20
21	862	938	877	934	883	943	872	928	888	912	894	908	885	910	880	921	21
22	861	939	878	933	873	927	882	918	885	915	893	910	880	913	882	918	22
23	876	936	881	947	883	943	872	928	884	916	889	917	890	908	888	921	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during AUGUST 1925.

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

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 1925.

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	2	3·6	4	4·3	5	3·8	4	2·8	4	1·9	6	4·0	4	2·7	5	1·0	4	2·3	2	3·2	4	4·9	7	3·5	4	2·2	4	2·4	4	1·8	5	1·7
1h	3	4·0	4	4·5	5	5·2	3	3·4	4	4·1	4	4·5	4	3·1	5	1·1	4	1·9	3	4·1	4	5·1	7	2·7	4	2·8	4	2·4	4	1·4	5	1·1
2	4	5·3	4	4·5	5	4·3	4	3·1	3	3·8	8	5·0	5	2·3	12	1·0	4	2·8	2	1·1	4	4·8	5	3·3	4	2·5	3	4·6	4	1·7	5	1·7
3	3	5·0	3	4·4	5	4·4	3	3·9	3	3·2	5	2·6	5	1·9	14	0·6	4	1·7	3	2·1	5	5·0	5	3·6	4	2·0	3	3·2	4	1·7	5	1·4
4	3	5·4	3	4·1	4	4·3	3	3·1	4	1·9	5	4·5	4	1·3	12	2·0	4	1·4	3	4·6	5	4·3	4	2·9	4	2·1	3	2·3	4	0·6	5	1·0
5	3	4·3	3	4·2	4	3·6	3	3·2	3	2·3	4	4·9	4	1·2	4	2·0	4	1·8	3	3·1	4	5·6	4	3·5	4	2·9	3	2·4	4	1·2	5	0·9
6	3	4·1	3	4·6	4	4·3	3	2·7	3	0·6	5	4·4	4	1·5	3	1·7	4	1·1	3	5·1	5	4·4	5	3·6	4	2·4	3	1·8	4	0·9	15	0·9
7	4	5·2	4	4·2	5	4·1	3	2·9	4	2·9	4	3·7	6	3·4	3	1·2	4	1·6	4	1·4	4	5·2	4	2·6	4	2·1	3	2·1	4	1·9	16	1·0
8	4	6·2	3	3·7	5	4·1	3	3·9	4	3·9	5	3·7	4	3·0	3	1·8	4	0·9	4	3·9	5	5·0	6	2·8	4	2·2	3	2·4	4	1·1	9	0·6
9	4	5·2	5	4·4	5	5·4	5	4·4	4	5·9	5	6·0	4	2·6	7	3·3	4	0·6	4	6·1	5	6·6	5	5·6	5	3·6	4	3·8	4	3·9	5	1·2
10	4	5·9	4	6·4	5	6·7	6	5·2	4	6·8	6	5·4	7	3·3	7	3·9	8	1·6	4	6·3	5	5·6	7	6·3	5	5·7	6	4·6	5	4·2	2	2·3
11	4	6·2	4	6·6	5	6·0	5	5·8	4	6·5	6	6·4	8	3·5	6	3·9	r30	1·2	4	7·3	5	7·2	6	6·3	6	6·4	6	5·8	5	4·4	d19	2·0
Noon	4	6·8	4	7·0	6	5·0	4	7·4	4	7·9	8	6·3	8	3·4	6	3·9	29	2·0	4	8·1	5	7·4	5	7·4	7	6·1	5	5·0	5	4·2	16	2·9
13h	4	6·1	4	7·3	6	6·7	4	7·0	4	6·5	7	5·7	9	4·4	7	3·8	28	1·3	4	6·7	5	8·8	5	8·2	6	6·8	5	5·6	6	5·8	22	1·8
14	4	6·8	4	6·3	5	5·5	3	6·1	4	7·6	8	3·9	9	3·8	7	2·2	d0	1·2	3	7·5	5	6·0	5	6·6	6	6·0	5	6·0	4	4·4	22	0·6
15	4	6·8	4	6·2	5	6·1	4	5·6	5	5·8	6	4·3	3	4·1	r27	3·3	4	3·5	3	9·0	5	7·6	5	6·6	7	6·7	5	6·0	4	4·7	22	1·4
16	4	4·4	5	4·5	5	5·1	4	6·6	5	6·5	6	5·0	7	2·9	26	3·3	3	4·1	3	9·9	4	5·7	6	6·0	6	6·1	5	5·4	5	3·9	d6	3·1
17	4	5·4	5	5·3	5	5·4	4	3·6	6	5·4	6	3·6	8	2·4	25	1·1	2	3·1	4	9·2	4	5·7	7	4·6	6	5·0	4	4·8	5	3·4	7	2·1
18	4	3·9	6	4·4	4	4·2	3	3·1	4	5·0	8	3·0	7	2·2	25	1·2	3	2·1	3	6·6	6	4·3	4	3·6	5	3·1	4	3·1	4	3·4	6	0·7
19	4	5·3	4	5·2	4	3·9	3	1·9	4	3·0	5	3·2	7	2·1	28	1·5	2	1·9	4	7·1	5	4·8	4	2·6	4	1·7	4	2·5	4	2·5	6	0·6
20	4	5·4	4	4·7	4	3·1	3	3·3	4	2·7	5	1·8	7	1·8	0	2·1	2	0·6	4	5·4	4	3·5	4	2·2	4	2·2	4	3·9	5	3·4	6	1·0
21	4	5·5	4	6·1	4	3·6	4	1·8	6	3·5	5	2·6	7	1·9	3	1·3	2	0·7	4	5·8	4	4·4	4	1·5	4	3·4	3	2·3	5	2·8	6	1·2
22	4	3·9	5	4·5	3	3·0	4	2·4	5	3·6	7	2·3	7	1·9	3	1·5	2	1·9	5	4·4	4	3·0	4	1·5	4	1·7	3	2·5	5	3·6	6	1·5
23	3	4·4	6	4·6	4	4·2	5	1·9	5	3·2	5	2·5	10	1·5	3	1·2	3	2·0	4	5·0	5	5·1	5	2·5	4	2·0	4	2·0	5	3·9	6	1·0

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	6	0·9	2	2·7	4	3·3	2	3·0	2	1·2	4	2·1	4	1·7	3	1·3	2	2·9	4	3·3	5	3·4	4	3·1	3	2·9	4	1·5	4	2·5	2·6
1h	6	1·5	2	3·9	4	3·4	2	2·0	2	1·8	6	2·3	4	2·3	3	1·5	2	1·9	4	4·1	5	3·9	4	5·0	5	2·0	4	1·8	5	2·2	2·9
2	6	1·1	1	3·2	4	2·9	3	3·2	2	1·7	4	1·5	4	1·7	3	1·0	2	2·0	4	5·0	5	2·4	4	2·6	4	2·8	4	1·2	4	2·5	2·8
3	6	1·9	1	2·9	4	2·5	2	4·1	1	1·6	4	1·7	4	1·2	3	1·9	2	1·1	5	4·4	5	3·1	4	2·9	6	2·7	4	1·5	4	1·9	2·6
4	6	1·8	1	1·5	4	2·4	2	2·9	1	1·0	4	1·4	4	1·5	2	1·6	2	1·4	5	4·5	4	4·1	4	3·6	6	4·7	4	1·8	3	1·8	2·6
5	6	1·8	1	1·7	4	2·3	2	3·3	1	1·8	4	2·0	4	1·2	1	1·1	0	1·4	4	4·4	4	3·7	4	3·7	5	2·5	4	2·6	3	2·7	2·7
6	6	1·7	1	2·6	4	2·9	2	3·7	1	1·8	4	3·4	4	2·1	1	1·2	0	1·6	4	4·5	5	3·0	4	3·1	5	3·1	4	2·4	6	3·5	2·7
7	6	1·7	1	2·5	4	3·4	3	2·9	1	1·5	5	2·9	4	1·8	2	4·0	0	1·0	4	5·3	5	3·3	5	3·3	5	2·5	4	2·3	6	2·8	2·8
8	5	1·0	1	3·4	4	3·9	2	3·8	1	1·2	4	3·5	5	2·4	2	4·4	2	4·0	5	4·2	4	5·0	4	5·5	4	2·8	6	2·8	5	5·1	3·3
9	5	0·7	2	4·0	5	4·7	1	3·8	3	2·3	4	4·2	5	4·0	3	5·0	2	3·9	4	6·8	5	5·9	5	5·4	5	3·7	3	3·5	4	5·2	4·3
10	r30	1·0	3	5·8	5	7·2	2	3·5	2	4·4	5	5·3	5	5·2	5	4·0	4	6·7	5	6·8	5	6·9	5	6·5	5	5·3	4	5·1	6	5·1	5·1
11	22	1·8	2	6·1	5	6·7	2	4·1	4	5·6	5	5·8	5	5·1	4	4·4	3	6·8	5	8·6	5	7·0	4	7·3	6	6·4	5	6·5	4	6·4	5·6
Noon	25	3·1	3	5·3	5	6·5	2	3·2	4	4·9	5	6·1	6	4·3	4	4·1	3	7·6	5	7·0	5	7·5	4	7·3	6	6·0	4	5·0	4	5·9	5·6
13h	24	4·1	3	6·7	5	7·2	2	3·6	3	6·4	5	5·6	6	4·8	4	4·5	4	7·5	6	8·6	6	7·6	6	8·9	7	5·5	4	5·6	5	6·1	6·0
14	24	3·1	2	7·4	5	6·0	2	4·2	2	5·4	4	5·5	6	4·6	3	4·2	3	8·7	5	8·2	5	6·8	5	7·1	6	5·7	4	4·9	4	6·1	5·4
15	d1	1·7	3	5·6	6	5·6	3	5·8	3	4·6	4	5·7	5	5·2	3	5·5	3	7·0	4	7·7	5	7·0	5	7·3	5	6·0	4	5·2	4	5·7	5·6
16	1	1·3	4	6·4	5	5·0	2	5·8	5	4·1	4	5·7	6	4·3	4	4·9	3	7·8	5	8·3	8	4·9	5	5·6	4	5·3	3	4·8	4	5·8	5·2
17	2	3·3	4	4·2	5	3·9	3	6·1	3	3·6	4	3·6	5	4·7	4	4·8	3	5·8	4	7·0	4	5·6	4	5·5	7	4·7	4	4·9	5	5·6	4·6
18	1	2·1	4	3·7	4	3·5	3	4·0	2	2·3	4	3·4	5	3·6	2	3·8	3	4·3	4	5·6	4	3·9	6	4·5	4	3·0	4	2·6	4	3·7	3·5
19	2	3·5	4	4·1	4	2·5	3	2·8	2	1·2	3	1·8	4	4·1	2	3·5	4	5·4	5	5·4	4	3·2	4	3·0	4	2·1	4	2·1	3	4·4	3·2
20	2	2·4	3	4·2	4	2·5	3	1·6	2	1·2	3	2·9	3	4·2	4	3·0	4	5·2	5	5·0	4	2·9	4	5·1	4	1·8	4	1·8	3	3·7	3·1
21	2	2·4	4	3·4	4	3·1	3	1·2	2	1·2	3	2·9	3	3·4	2	1·9	4	5·4	5	4·1	6	4·6	4	4·0	4	1·7	5	1·0	3	1·8	2·9
22	1	1·8	5	3·1	3	3·0	3	0·8	2	0·8	3	2·8	3	1·9	1	1·5	4	5·6	5	4·0	4	3·9	4	2·6	4	2·1	5	1·2	3	2·4	2·6
23	1	1·9	5	3·3	3	3·9	3	1·0	2	1·0	4	2·7	3	2·1	1	1·8	5	4·3	6	5·1	6	4·6	4	4·0	4	2·3	5	2·0	3	1·3	2·8

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for AUGUST 1925.

Hour Ending \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
1h	...	0·2	..	...	...	0·3	...	0·3	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	..	0.4
2	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3	..	...	...
3	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	0.7
4	...	0·2	...	...	...	0·2	...	...	...	...	...	...	...	...	...	..	...	...	..	...	...	0·2	...	...	...	...	...	0·3	...	...	...
5	...	...	.	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	..	...	...	..	...	...	..	...	...	...	..	...	...	0·7	...	...	...	...	...	0·6	...	...	...	...	0·2	...	...	...	...
7	...	0·2	..	...	...	...	0·4	...	...	0·5	...	...	...	...	0·2	...	...	...	...	...	...	.	...	...	.	...	...	0·2	...	...	...
8	...	...	..	...	...	...	...	...	...	0·2	...	...	...	...	...	4·0	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...
9	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	4·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
10	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	..	...	...	...	2·0	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	...
13h	...	...	...	...	...	...	...	...	3·0	..	...	...	...	...	...	4·2	..	...	...	...	...	...	..	..	...	...	...	...	...	...	...
14	...	...	...	...	...	...	..	...	2·4	...	...	...	..	...	...	2·0	...	...	..	...	...	...	..	...	...	...	...	...	...	...	..
15	...	...	..	...	...	0·2	...	...	0·2	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
16	...	...	...	...	...	...	...	..	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	.	...
17	..	...	..	...	...	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
18	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	0.3	...	...	0.2	...	...	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	.	...	...	...	. .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	0·6	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	...	...	. .	...	...	..	...
23	...	...	...	...	...	0·1	...	...	...	..	...	0·5	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	..	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	0·8	..

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of AUGUST 1925.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	1·67	42·4	48·0	8
	3	Belmont	50	1·42	36·1	34·8	3
	4	Poudre d'Or	20	1·52	38·6	35·3	3
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	1·45	36·7	64·8	7
	9	Beau Séjour	300	2·98	75·7	89·2	18
	10	Mont Piton	360	2·82	71·6	78·7	14
	11	Mon Choix	700	2·34	59·4	72·9	12
	12	Antoinette	640	3·56	90·4	97·0	13
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	3·34	84·8	92·7	16
	15	Mon Songe	620	2·12	53·8	98·3	8
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount	325	2·31	58·7	68·3	16
	18	Botanic Gardens ..	325	2.19	55·6	71·1	12
	19	The Observatory ...	179	1·39	35·4	63·0	16
	20	Solitude§	175	...	...	...	...
	21	St. André	90	1·22	31·0	44·4	6
	22	Belle Vue Harel* ...	350	2·71	68·8	...	16
	23	Mont Choisy§	10	...	...	...	..
	25	Esperance (Trebuchet)*	165	1·41	35·0	...	5
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ..	137	...	...	...	...
	48	Mapou Station* ...	296	1·30	33·0	...	4
	49	Poudre d'Or Station* ...	772	1·97	50·0	...	11
	50	Rivière du Rempart* ...	134	2·52	64·0	...	5
2 & 3	1	Union Régnard S.E. ...	600	4·85	123·2	93·2	17
	2	Constance d'Arifat L.G.	100	3·74	95·0	67·6	11
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	4·72	119·9	120 1	15
	5	Constance (Manès)§ ...	..	...	...	...	...
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	6·62	168·1	...	16
	10	St. Julien E(K. Reetoo)*	...	...	...	...	...
4	1	Sans Souci§	900	...	..	...	...
	2	Etoile	400	6·82	173·2	134·9	16
	3	Beau Champ	20	3·55	90·2	46·7	13
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	8·13	206·5	96·8	23
	6	Deep River§	350	...	..	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	9·47	240·5	...	25
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	..
	4	Beau Vallon	60	0·95	24·1	75·4	16
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	3·90	99·1	...	17
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	13·54	343·9	255·3	26
	2	Tivoli*	1,300	12.29	312·2	...	20
	3	La Flora*	1,050	8·63	219·2	...	25
	4	Britannia	730	6·33	160·8	152·1	24
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold§	900	..	...	...	...
	10	Terracine§	100	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	..	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	2 64	67·1	...	6
	15	Fontenelle*	...	3·81	96·8	...	6
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	..	..	...
7, 8 & 9	1	Bel Ombre§	40	..	...	...	...
	3	Beau Champ§	...	...	...	...	...
	4	Board§	...	...	...	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	8·90	226·1	186·9	26
	3	Mare aux Vacoas ...	1,850	15·49	296·4	254.5	26
	4	La Marie Filter Bed ...	1,700	11·76	298·7	119·4	18
	5	Réunion	1,420	4·72	119·9	131·6	18
12	1	The Manse	850	1·70	43·2	43 9	20
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	2·15	54·5	58·4	29
	4	Alma	1,460	6·67	169·4	177.0	23
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	4·34	110·2	...	21
	7	Trianon	950	2·45	62·2	66·5	16
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·91	23·1	...	11
	10	Bon Air§	1,050	...	...	..	...
	11	Val Ory	1,100	2·29	58·2	55·9	24
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	..
	16	Côte d'Or§	...	...	.	...	...
	17	Mon Repos§	..	...	.	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute§	...	...	...	...	...

*Normals not available. § Record not Received.

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 1925.

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
	h	°		°		°		°		°			
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	10¼	...	...	...	...	150	0·3	...	...	...	...	...	...
4	9¾	330	0·4	...	...	345	0·2	...	...	...	...	...	...
5	12¼	285	1·6	315	1·0	...	...	...	...	...	...	...	...
6	12½	285	2·4	300	1·6	...	...	...	...	...	...	...	...
7	10	240	1·3	255	2·1	...	...	...	...	...	...	...	...
8	7½	...	..	...	...	60	02	...	...	...	...	...	...
9	10¼	.	...	...	...	...	...	...	...	...	...	...	...
10	10	330	1·2	330	0·4	...	...	...	...	...	...	...	...
11	13h	330	2·0	315	2·0	...	.	...	...	...	...	...	...
12	8	285	1·0	285	0·9	300	0·6	...	...	...	...		...
13	12h	300	1·1	285	0·7	...	...	...	...	...	...	...	..
14	...	...	...	..	...	...	...	...	...	...	...	...	...
15	8¾	315	1·5	315	1·9	...	...	330	0·2	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	12½	...	...	340	0·1	150	0·2	...	...	...	...	...	...
18	11¾	315	1·5	330	1·5	...	...	...	...	...	...	...	...
19	12½	315	2·1	300	2·0	...	...	...	...	...	...	...	...
20	...	...	..	...	...	...	...	...	...	...	...	...	...
21	9½	360	2·0	330	1·5	360	1·1	..	...	...	...	...	...
22	12	...	...	285	0·2	...	...	...	...	...	...	...	...
23	13¼h	210	0·9	210	0·6	...	...	...	...	...	...	..	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	14¾	...	...	315	1·4	...	...	...	...	...	...	...	...
26	12h	285	2·4	285	2·3	...	...	...	...	...	...	...	...
27	9¾	...	...	295	1·2	...	...	...	...	...	...	...	...
28	14	...	...	315	1·3	...	...	...	...	...	...	...	...
29	12¾	...	...	297	0·8	...	...	...	...	...	...	...	...
30	12¼	...	...	300	1·4	...	...	...	...	...	...	...	...
31	9¾	...	..	260	0·6	...	...	...	...	...	...	...	...

Day.	Time	Scud Dir.	Scud Vel./Height	Cum: Cu. st. &c. Dir.	Cum: Cu. st. &c. Vel./Height	Alto Cum Alto St: Dir.	Alto Cum Alto St: Vel./Height	Cirro Cum Dir.	Cirro Cum Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
	h	°		°		°		°		°			
1	...	...	...	...	...	...	...	...	..	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	12¼	285	1.4	...	...	135	0·3	120	0·5	...	...	...	...
4	13½	330	0·5	330	1·7	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	..	...	...
6	13½	255	2·6	285	1·9	...	...	...	...	...	...	...	...
7	14h	...	...	240	1·2	...	..	...	...	...	...	...	...
8	13¼	300	0·5	300	0·3	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	..	...	...	...
10	14¾	325	1·0	320	2·1	...	...	...	...	...	...	..	...
11	14¼	300	3·0	330	1·8	...	...	...	...	...	...	...	...
12	14¼	300	1·1	300	0·8	280	0·8	...	...	...	...	...	...
13	14¾	...	...	290	0·6	...	...	...	...	...	...	...	...
14	13½	270	1·4	285	1·0	...	...	...	...	...	...	...	...
15	14½	...	...	330	2·9	...	...	...	..	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	..	...	...	...	...
18	10h	...	...	360	0·4	...	...	...	...	...	...	...	...
19	16½	300	1·4	270	0·7	...	...	...	...	...	...	...	...
20	12¼	30	1·0	360	0·7	...	...	...	...	...	...	...	...
21	12	...	...	...	...	345	1·5	...	...	...	...	...	...
22	12¼	270	1·2	270	0·8	...	...	...	...	...	...	...	...
23	...	...	...	...	...	..	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	17	335	1·5	345	1·8	...	...	...	...	...	...	...	...
26	..	...	...	...	...	...	...	...	...	...	...	...	..
27	11¾	.	...	300	0·8	...	...	...	...	...	...	...	..
28	15¼	310	2.6	300	1·8	..	...	...	...	...	...	...	...
29	13¾	300	1·1	300	0·8	...	...	...	...	...	...	...	...
30	17	...	...	330	2·0	300	0·9	...	...	...	...	...	...
31	13	...	...	285	0·5	...	...	...	...	...	...	...	...

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

TABLE XVII.—NORTH and EAST COMPONENTS and DIRECTION and VELOCITY of the WIND at varying heights above the AEROLOGICAL STATION at VACOAS (424.5 metres above SEA LEVEL) as determined from observations of PILOT BALLOONS.

Altitude / Date	Weather System	Surface (15 metres)				250 metres				500 metres				750 metres				1,000 metres				1,500 metres			
		N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.
d. h.		m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.
Aug. 3·9	...	− 2·5	+ 6·0	290	6·5	− 6·7	+11·3	301	13·1	− 6·1	+10·3	301	11·9	− 2·6	+ 2·9	312	3·9	− 1·0	+ 1·6	302	1·9	+3·9	+ 1·2	197	4·1
3·15	...	− 2·9	+ 6·9	290	7·5	− 5·4	+ 6·7	309	8·6	− 4·2	+ 8·5	296	9·5	− 0·7	+ 2·4	286	2·5	+ 0·5	+ 2·6	259	2·6	...	...	...	...
5·14	...	0·0	+ 8·5	275	8·5	− 8·0	+12·4	303	7·4	− 7·2	+10·5	304	12·7	− 7·6	+12·1	302	14·3	...	...	...	...	...	...	...	...
6· 8	...	− 1·0	+ 4·9	280	5·0	− 4·3	+10·3	293	11·1	− 4·0	+12·7	288	13·3	− 0·9	+10·0	275	10·0	...	...	...	...	...	...	...	...
7· 9	V	+ 2·2	+ 3·3	245	4·0	+ 1·9	+ 8·5	257	8·7	+ 2·8	+ 1·4	207	3·1	+ 2·1	+ 9·8	258	10·0	+ 2·0	+ 8·0	256	8·2	+ 0·5	+ 4·0	263	4·0
7·13	V	+ 1·7	+ 4·2	250	4·5	+ 1·0	+ 6·1	261	6·2	+ 1·1	+ 3·0	250	3·2	+ 2·8	+ 6·0	245	6·6	+ 2·6	+ 0·1	182	2·6	...	...	...	...
8·16	A+	0·0	+ 3·5	270	3·5	− 1.8	+ 4·4	292	4·8	+ 0·7	+ 3·4	258	3·4	− 1·2	+ 0·8	326	1·4	− 3·0	+ 0·3	354	3·0	− 3·4	+ 0·7	348	3·4
11·10	A	− 1·5	+ 7 4	280	7·5	− 7·5	+ 9·2	309	11·8	− 7·0	+10·0	305	6·1	−11·7	+15·0	308	19·0	− 4·9	+ 6·8	306	8·4	...	...	...	...
12· 7	A−	− 1·0	+ 4·9	280	5·0	− 6·7	+10·4	303	12·3	− 7·0	+13·3	298	15·0	− 6·8	+13·2	297	14.8	− 5·4	+10·3	298	11·6	...	...	...	...
13·17	...	− 1·2	+ 5·9	280	6·0	− 4·2	+ 8·1	297	9·1	− 5·2	+12·7	292	13·7	...	...	...	...	...	...	...	...	...	...	...	...
14· 9	...	− 0·9	+ 4·4	280	4·5	− 3·4	+10 6	288	11·1	− 5·3	+11·7	294	10·8	− 5·9	+10·9	298	12·4	− 2·5	+ 9·2	285	9·5	− 2·7	+ 6·0	294	6·6
14·16	...	− 1·4	+ 6·9	280	7·0	− 5·6	+ 7·3	307	9·2	− 6.5	+10·2	303	12·1	− 5·4	+10·2	298	11·5	...	...	...	...	...	...	...	...
17· 7	A−	− 0·3	+ 0·4	300	0·5	0·0	− 1·1	90	1·1	+ 0·7	− 0·4	150	0·8	0·0	+ 0·8	270	0·8	− 0·4	+ 1 0	292	1·0	− 0·2	− 2·0	84	2·0
17· 9	A−	− 0·5	0·0	0	0·5	− 0·6	− 1·8	72	1·9	− 0·8	− 1·1	54	1·3	− 0·9	− 0·7	38	1·1	− 0·4	0 0	0	0·4	− 2·2	− 1·1	27	2·4
17·17	A−	− 3·3	+ 2·2	330	4·0	− 9.2	+ 1·1	353	9·2	− 8·7	+ 1·4	351	8·8	− 4·3	0·0	0	4.3	...	...	...	...	...	...	...	...
19·10	V+	− 3·4	+ 8·3	290	9·0	− 9·7	+11·6	310	15·1	− 9·2	+ 9·9	313	13·5	− 3·6	+ 1·9	332	4.0	− 3 2	+ 1·0	343	3·3	0·0	− 4·7	90	4·7
19·14	V−	− 1·6	+ 7·8	285	8·0	− 5·2	+ 9·4	299	10·7	− 6·6	+ 4·3	327	7·9	− 6·5	+ 2·7	337	7·0	− 1·7	− 6·9	76	7·1	− 3·5	− 7·2	64	8·0
19.17		− 1·2	+ 5·9	280	6·0	− 4·9	+ 8·2	301	9 5	− 3·5	+ 4·8	306	5·9	− 3·7	+ 2·9	322	4·7	− 4·0	+ 1·5	339	4·2	− 0·9	− 2·8	73	3.0
20· 7		− 1·1	+ 1 7	310	2·0	− 6·7	+ 2·1	343	7·0	− 3·4	+ 2·5	324	4·2	− 1·9	+ 1·8	317	2·6	0·0	+ 0·7	270	0·7	− 2·1	+ 0·7	342	2·2
20·15		− 4·2	+ 1·7	340	4·5	− 5 0	+ 2·1	337	5·4	− 6·0	0·0	0	6·0	− 5·2	− 3·0	30	6 0	− 4·3	− 4·1	46	5·9	− 4.2	− 0·4	5	4·2
21· 8		− 1·1	+ 1·7	300	2·0	− 6 2	+ 5·9	316	8 5	− 7·9	+ 6·0	323	9·9	− 7·3	+ 4·5	328	8·6	−11·0	+ 4·0	340	11·2	...	...	...	...
21·17		− 2·2	+ 3 3	300	4·0	− 4·5	+ 5·0	312	6·7	− 6·0	+ 6·8	311	9·0	− 7·7	+ 9·3	310	12·0	− 8·3	+ 6·4	322	10·5	−11·0	+ 5·3	334	12·2
23·11		− 1·1	+ 5·4	285	5·5	− 1·9	+ 5 3	290	5·6	+ 0·4	+ 4·5	265	4·5	+ 6·3	+ 3·6	210	7·2	+ 8·0	+ 3·3	202	8 6	+ 1·8	+ 9·7	259	9·9
24· 9		− 3 2	+ 3·2	320	4·5	− 4·2	+ 3·6	319	5·5	− 4·9	+ 5·5	312	7·3	− 5·0	+ 6·6	307	8·2	+ 4·6	+ 6·7	235	8·1	...	...	...	...
24·14		− 3·3	+ 5·0	310	6·0	− 6·0	+ 5·4	318	8·0	− 5·5	+ 6·0	312	8·6	− 6·5	+ 6·0	317	8·8	− 5·3	+ 4·7	318	7·1	− 9·0	+ 6.0	326	10·8
24·17		0·0	+ 4·0	275	4·0	− 6·5	+ 5·2	321	8·3	− 8·0	+ 4·8	329	9·3	− 9 3	+ 5·6	329	10·8	...	...	...	...	...	...	...	...
26·15		− 2·1	+10·8	285	11·0	− 4·0	+ 6·0	304	7·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28·10		− 3·4	+ 8·3	290	9·0	− 7·0	+11·0	302	13·0	−10·0	+15·0	304	18·0	− 7·4	+13 0	300	15·0	..	...	..	...	...	...	...	...
29· 8		+ 1·7	+ 4·2	250	4·5	− 1·5	+10·0	279	10·1	− 2·9	+12·0	284	12·3	− 4·8	+12·7	291	13·6	− 6·5	+17·5	290	18·6	..	...	...	...
31. 8		+ 0·5	+ 2·4	260	2·5	− 2·5	+ 8·6	286	8·9	− 2·0	+10·0	283	10·2	− 1·3	+13·3	276	13·4	− 3·7	+10·5	289	11·1	− 4·2	+11·0	291	11·7
31·16		− 1·2	+ 5·9	280	6 0	− 5·8	+ 9·4	302	11·0	− 4·5	+ 8·5	298	9·6	− 1·3	+ 6·8	281	6·9	+ 1·3	+ 4·5	254	4·7	...	...	...	...
Mean ...	...	− 1·3	+ 4·8	285	4·9	− 4·6	+ 6·9	304	8·2	− 4·6	+ 6·9	304	8·2	− 3·7	+ 6·2	300	7·2	− 2.0	+ 3·9	297	4·4	− 2·5	+ 1·8	324	3·1

TABLE XVII—(*Continued*).—NORTH and EAST COMPONENTS and DIRECTION and VELOCITY of the WIND at varying heights above the AEROLOGICAL STATION at VACOAS (424.5 metres above SEA LEVEL) as determined from observations of PILOT BALLOONS.

Altitude / Date	Weather System	2,000 metres				2,500 metres				3,000 metres				4,000 metres				5,000 metres				6,000 metres			
		N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.
d. h.		m.ps.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.
Aug. 3· 9	...	+ 2·6	+ 4·0	237	4·7	+ 1·5	+ 1·2	231	1·9	+ 0·5	− 2·6	101	2·6	+ 7·5	+ 5·0	214	9·0	...	...	...	...	...	...	...	...
7· 9	...	+ 4·7	+ 9·7	244	10·8	+ 1·0	0·0	180	1·0	− 1·7	− 1·2	35	2·1	...	...	...	...	...	...	...	...	...	...	...	...
8·16	...	− 1·9	− 2·0	46	2·7	− 2·0	− 2·1	46	2·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17· 7	V	− 0·3	− 2·4	83	2·4	− 1·0	− 1·5	56	1·8	+ 3·4	+ 0·5	188	3·4	+ 8·2	−12·0	124	14·6	+10·0	−16·0	122	18·9	...	...	...	...
17· 9	V	+ 0·2	− 3·0	94	3·0	− 4·2	− 0·8	11	4·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19·10	A−	+ 3·5	− 8·2	113	8·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19·14	...	+ 2·0	−11·0	100	11·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19·17	A−	− 4·0	−13·0	73	13·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20· 7	A−	− 2·8	− 4·2	56	5·0	− 3·0	− 0·7	13	3·1	− 3·0	− 1·0	18	3·1	− 2·7	− 2·5	43	3·7	− 4·5	− 6·6	56	8·0	− 6·6	− 4·9	37	8·2
20·15	A−	− 3·0	− 0·8	15	3·1	− 3·3	− 4·0	50	5·2	− 1·0	− 4·8	78	4·9	− 3·7	− 9·4	68	10·1	− 5·1	− 9·4	61	10·7	...	...	...	..
21·17	V+	−10·2	+ 3·9	339	10·9	− 9·5	− 2·0	12	9·7	− 2·1	+ 1·7	319	2·7	...	...	...	...	...	...	...	...	...	...	...	...
23·11	V	− 3·1	+ 8·0	291	8·6	− 2·8	+ 7·5	291	8·0	+ 1·6	+ 8·6	259	8·7	...	...	...	...	...	..	...	...	...	...	...	...
31· 8	...	+ 0·5	+ 0·5	225	1·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
Mean ...	...	− 0·9	− 1·4	56	1·6	− 2·6	− 0·3	7	2·6	− 0·3	+ 0·2	326	0·4	+ 2·3	− 4·7	115	5·2	+ 0·1	−10·7	90	10·7	− 6·6	− 4·9	37	8·2

Under the heading "Weather System" in column 1 of the above table the letters A. V. C. indicate respectively Anticyclonic, V shaped depression and Cyclonic weather systems, so far as the existence of these systems can be determined in Mauritius without a synoptic weather service. The sign + or − indicates an approaching or receding system. The mean values include all days available for each altitude and are not, in consequence, strictly comparable *per se*. The classification under weather systems has been adopted to facilitate the determination of mean values for different types of weather as the research work develops. The height at which the reversal of the Easterly drift was observed is given in col. 16 of Table VI. The balloon of $20^{d}.7^{h}$. reached a height of 7500 metres the components and directions being as follows :—7000 metres −11·0 −14·5 : 53° 18·3 m.p.s. : 7500 metres −10·8, −19·2 : 61° 22·0 m.p.s.

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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

SEPTEMBER 1925

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

DIRECTOR.

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NOTE.—For purposes of upper air investigation the directions of the wind in Table VI and of the clouds in Table XVI now refer to directions from South through West to North and East. The directions in Table VII still refer to directions from South through East and will not be altered until January, 1926.

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

Month and Day. 1925	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
					Unit 1 γ	
SEP	° ′			′		
1	11.12·3	·22896	·29813	7·8	36	26
2	11.5	868	812	11·0	65	27
3	11.3	876	813	4·2	30	19
4	11.4	885	815	5·6	38	20
5	12.2	890	816	8·8	29	24
6	11·6	894	814	6·0	39	29
7	11.1	889	815	5·4	64	25
8	11·4	893	818	5·8	57	22
9	12·0	893	820	6·4	62	17
10	11·8	897	821	6·2	58	13
11	12·0	901	820	8·2	22	25
12	12·3	906	819	6·8	33	24
13	12·2	905	821	7·6	36	22
14	12·0	883	819	8·4	71	37
15	12·3	852	831	5·8	52	17
16	12·2	866	829	10·6	72	30
17	12.3	872	828	8·8	53	36
18	11·6	876	828	10·0	14	38
19	12·0	880	826	11·0	21	40
20	13·1	893	829	7·8	31	29
21	12·4	872	834	11·6	102	19
22	12·6	864	838	10·2	39	26
23	12·4	887	834	8·2	31	36
24	12·7	868	837	9·0	133	28
25	12·2	870	839	4·8	41	18
26	11·9	884	838	8·4	24	26
27	11·6	891	836	11·8	39	35
28	12·2	893	834	10·4	27	28
29	11·6	892	835	9·0	17	26
30	...	...	833	...	...	34
Mean	11·12·01	·22884	·29825	8·12	46·3	26·5

Description of the Principal Magnetic disturbances.

The following notes give a brief description of the principal magnetic disturbances The movements in Horizontal Force and Vertical force are expressed in G.G.S. units.

The term "wave" indicates a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "fluctuations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and—denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

Sept. $1^d.21^h.40^m$. Sudden increase in H.F. (22γ) followed by a corresponding decrease till 23^h, and a sharp double wave (±40γ) till $2^d.1^h$. Small undulations followed till $2^d.21^h$.

In Dec. $1^d.23^h$. to $2^d.0\frac{1}{2}^h$, sharp-pointed wave (+8′.) In V.F. $1^d.21^h.42^m$. Sudden increase (5γ) followed by small fluctuations and a double wave (±10γ).

September $14^d.12^h$. to $16^d.4^h$. A series of regular undulations in H.F. discernible in the hourly tabulated values. Two sharp positive waves occurred from $14^d.23^h$. to $15^d.0^h$.(30γ). $15^d.2^h$. to 3^h (30γ.). In V.F. small fluctuations and undulations.

September $21^d.6^h.15^m$. A sudden increase of H.F. (35γ) followed by a decrease of force till 12^h. (220γ). and a shallow wave (+30γ) till 16^h. Small rapid fluctuations throughout. In Dec. $21^d.6^h.10^m$. a sudden decrease (2′) followed by small fluctuations. In V.F. $21^d.6^h.15^m$. a very sudden increase (12γ) followed by small rapid fluctuations till 17^h.

September $24^d 1\frac{1}{2}^h$ to $2\frac{1}{2}^h$. Wave in H.F. (+20γ). $5\frac{1}{2}^h$ to 7^h double-crested wave (+60γ). A series of irregular undulations, discernible in the hourly tabulated values, followed by small superposed fluctuations. In Dec. small irregular undulations. In V.F. $5\frac{1}{2}^h$. to $6\frac{1}{2}^h$. double-wave (±10γ) followed by small rapid fluctuations till 25^d. $2\frac{1}{2}^h$.

T=0·37593: Mean Dip=θ=52°.30′·11. (X=·22448: Y=—·04445: Z=·29825).

† 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 1295

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South). A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
SEP. 7.11·14	11.13·05	SEP. 5. 9·25	·22889	SEP. 2.10·13	52.29·81	·29827	SEP. 2.13.32	52.30·12	·29820
.13·18	11.11·11	12·25	·22900	7.11.00	52.27·93	·29803	7.13.29	52.28·62	·29806
14. 9·40	11.15·86	11. 9·33	·22914	14. 9·27	52.29·50	·29836	14.13.26	52.30·50	·29790
.13·14	11. 7·69	12·32	·22920	22. 9·20	52.32·75	·29859	22.13 33	52.32·62	·29844
22.11·04	11.16·66	19. 9·11	·22881	29. 8·39	52·30 62	·29845	29·14·04	52·28·37	·29814
.13·46	11. 8·84	12·20	·22901						
29. 9.15	11.14·75	29.11·41	·22905						
.14.22	11. 6·46	13·36	·22904						

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

SEPTEMBER 1925.

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	11° +																
Midnight	12'.4	17'.0	11'.8	11'.8	11'.8	11'.8	12'.0	12'.8	12'.2	12'.2	12'.0	12'.2	12'.0	12'.0	14'.0	12'.8	Midnight
1h	12.6	14.0	11.8	11.8	12.0	11.8	11.8	12.4	12.0	13.0	12.0	12.2	12.0	12.0	14.2	12.6	1h
2	12.8	13.8	12.0	11.8	12.0	12.0	11.6	12.0	11.8	13.0	12.0	12.2	12.2	12.0	14.0	12.4	2
3	12.8	12.4	12.0	11.8	12.0	12.0	11.6	12.0	11.8	12.0	12.0	12.2	12.2	12.2	13.4	11.6	3
4	12.4	11.8	12.0	11.6	12.0	12.0	11.8	12.0	11.8	12.0	12.0	12.0	12.2	12.0	13.6	12.0	4
5	12.0	08.6	12.0	11.0	11.6	10.8	10.6	12.0	11.8	11.8	12.0	12.0	12.2	12.0	12.6	12.0	5
6	11.8	07.4	11.6	10.0	11.4	10.0	10.0	11.6	11.4	10.2	11.0	12.0	12.0	12.0	11.6	12.0	6
7	10.0	06.0	10.4	08.8	10.0	08.2	08.0	10.0	09.8	09.4	10.6	11.6	11.2	11.8	11.0	11.8	7
8	10.8	07.6	11.0	10.0	11.6	09.8	10.0	10.0	10.2	10.0	11.2	12.2	12.4	13.6	10.4	13.2	8
9	13.2	08.0	11.4	12.2	14.0	12.4	10.8	11.2	12.4	11.4	13.0	14.6	15.4	15.8	12.4	15.6	9
10	15.4	12.0	11.8	12.8	16.0	14.0	12.0	12.4	14.4	13.8	15.6	16.0	16.2	16.0	14.2	16.4	10
11	15.8	14.2	12.2	13.4	15.6	14.2	12.4	13.6	15.8	15.6	16.8	16.0	16.0	15.2	14.4	16.2	11
Noon	15.6	14.0	12.2	13.4	15.2	14.2	12.2	13.4	14.8	14.2	15.4	14.4	14.0	13.2	13.4	15.2	Noon
13h	14.4	13.8	12.0	13.0	15.4	12.8	11.8	11.8	12.8	13.0	12.0	12.6	12.0	08.4	12.0	12.2	13h
14	12.6	13.8	11.2	12.0	13.0	12.0	10.2	10.0	12.0	10.8	10.0	11.2	11.4	07.6	09.6	08.0	14
15	09.0	10.4	09.8	09.2	09.0	09.4	08.2	07.8	10.0	09.4	08.6	09.4	09.0	08.0	09.2	05.8	15
16	08.0	10.0	08.0	07.8	07.2	08.8	08.0	08.0	09.4	09.6	08.8	09.2	08.6	08.6	08.6	08.0	16
17	10.0	11.2	08.8	09.4	10.0	09.8	08.4	10.0	10.0	10.0	10.0	10.0	10.0	09.4	10.0	10.0	17
18	11.4	11.8	10.6	11.6	11.8	11.8	11.4	11.8	11.6	11.2	11.6	11.8	11.6	10.0	11.8	12.0	18
19	12.0	12.0	11.8	12.0	12.0	12.0	12.0	12.0	11.8	12.0	12.0	12.0	12.0	11.6	12.0	12.2	19
20	12.0	12.0	11.8	12.0	12.2	12.2	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.2	12.6	12.2	20
21	12.0	12.0	12.0	12.0	12.0	12.2	13.2	12.0	12.4	12.0	12.2	12.2	12.0	13.8	13.4	12.8	21
22	12.0	12.0	12.2	12.0	12.0	12.2	12.4	12.0	12.4	12.0	12.2	12.2	12.0	13.2	14.2	13.0	22
23	12.0	11.8	12.0	12.0	12.2	12.2	13.4	12.2	12.6	12.0	12.2	12.2	12.0	14.0	13.6	13.0	23

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	11° +																
Midnight	12'.8	12'.8	12'.0	13'.2	13'.4	13'.4	13'.4	12'.6	14'.0	12'.6	13'.2	12'.8	12'.0	12'.6	...	12'.8	Midnight
1h	12.6	12.4	11.8	13.2	13.2	12.8	12.0	12.4	14.0	12.4	12.8	12.6	12.0	13.0	...	12.5	1h
2	12.4	12.0	12.0	13.2	13.2	12.4	11.8	12.8	14.0	12.2	12.4	12.4	12.0	13.0	...	12.4	2
3	11.6	12.0	12.0	12.8	13.2	12.8	11.8	12.4	12.4	12.0	12.0	12.2	12.0	12.8	...	12.2	3
4	11.8	12.0	11.8	13.0	13.0	12.6	12.0	12.8	12.0	12.0	11.4	12.0	12.0	12.8	...	12.1	4
5	10.0	12.0	11.6	12.6	12.8	12.4	12.0	13.2	12.0	12.0	12.0	12.0	12.0	12.6	...	11.8	5
6	10.4	11.8	11.2	12.0	12.4	12.0	12.0	12.2	10.8	11.6	11.6	11.6	11.2		...	11.3	6
7	11.0	11.2	11.0	11.2	15.0	12.0	11.6	12.0	11.0	12.0	11.6	12.0	11.4			10.8	7
8	12.0	12.0	12.0	12.0	16.0	13.8	12.2	13.0	12.6	14.0	13.2	13.2	13.6		...	11.9	8
9	14.8	14.2	14.0	14.2	18.0	15.6	15.8	14.2	14.0	15.8	15.2	15.8	14.8		...	13.8	9
10	16.0	15.8	16.2	16.0	17.8	17.0	17.2	17.4	14.4	16.0	16.6	18.0	15.2		...	15.3	10
11	17.0	16.0	16.8	17.8	14.6	17.8	16.8	16.0	14.0	15.4	15.8	17.6	14.6		...	15.4	11
Noon	16.0	14.4	15.8	16.2	10.0	15.6	15.4	13.8	12.4	12.8	13.2	14.0	12.0		...	14.0	Noon
13h	14.4	10.8	12.0	15.2	11.2	12.0	12.0	12.0	11.2	09.8	09.0	10.2	08.4		...	12.0	13h
14	09.8	07.6	07.8	12.0	09.8	07.8	09.6	10.8	10.0	07.8	05.4	08.0	06.2		...	09.9	14
15	08.2	06.0	05.8	10.8	08.0	07.6	09.0	08.4	09.6	07.6	04.8	07.6	07.0		...	08.4	15
16	09.8	06.0	07.8	10.0	06.4	09.4	09.2	10.0	10.0	08.0	06.4	08.6	08.2		...	08.5	16
17	11.2	09.2	09.6	11.2	08.2	10.0	10.4	09.8	10.4	09.0	09.2	10.4	11.6		...	09.9	17
18	12.0	11.4	11.8	12.2	11.2	12.0	12.0	12.0	11.8	10.6	11.6	11.6	12.0		...	11.6	18
19	12.2	12.0	12.2	13.0	12.0	12.0	12.0	12.0	12.2	12.0	12.0	12.0	12.0		...	12.0	19
20	12.2	11.8	12.6	13.0	12.4	12.6	12.2	12.6	12.4	12.0	12.0	12.0	12.0		...	12.2	20
21	12.2	12.0	13.4	13.0	12.8	12.4	12.4	13.2	13.4	12.2	12.2	12.0	12.0		...	12.5	21
22	12.4	12.0	13.2	13.0	12.2	12.8	12.4	14.0	12.8	13.4	12.4	12.0	12.2		...	12.6	22
23	12.4	11.8	13.4	13.2	12.0	13.6	12.6	14.0	12.8	12.6	12.6	12.0	12.4		...	12.6	23

Adjustment

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 1925.

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	880	850	861	876	881	890	892	864	890	870	896	899	900	901	840	854	Midnight
1h	883	872	866	879	885	892	891	868	889	874	897	899	900	900	858	863	1h
2	883	860	868	881	890	889	899	870	890	876	898	899	900	900	857	880	2
3	882	870	867	882	892	891	904	880	890	887	899	900	900	907	870	890	3
4	888	873	870	880	891	890	901	880	891	882	901	900	902	910	877	879	4
5	888	870	870	880	898	896	898	885	893	885	905	900	905	910	875	869	5
6	889	894	879	880	895	895	907	890	892	891	906	903	907	915	855	871	6
7	894	883	877	890	900	904	904	900	896	902	909	910	910	913	863	875	7
8	900	879	881	897	902	915	910	909	904	915	911	915	918	908	862	873	8
9	910	880	879	900	906	913	914	912	912	920	912	915	920	902	860	866	9
10	908	890	885	894	897	910	912	918	915	921	910	920	922	885	849	867	10
11	910	899	890	900	892	908	903	920	920	925	910	922	929	890	865	872	11
Noon	913	901	894	909	898	900	913	921	930	928	910	930	923	884	870	880	Noon
13h	914	884	897	898	891	897	904	915	930	922	910	930	917	860	864	871	13h
14	916	867	884	886	885	888	894	900	913	910	905	920	901	851	846	859	14
15	906	845	880	879	881	878	895	892	898	897	894	906	898	870	840	818	15
16	894	836	868	880	889	876	880	887	886	889	890	899	893	880	834	840	16
17	890	843	868	879	884	882	870	885	879	887	891	898	895	880	825	855	17
18	890	849	872	878	886	888	871	890	871	889	893	899	898	868	832	856	18
19	890	851	880	878	887	887	865	890	868	890	895	898	897	870	831	863	19
20	890	854	876	871	886	888	853	889	870	890	896	897	897	847	856	865	20
21	891	852	874	880	880	889	850	889	872	890	896	897	896	855	838	862	21
22	915	855	870	880	877	890	851	888	871	890	896	898	896	867	839	867	22
23	890	860	868	880	893	889	860	887	872	891	897	898	896	844	841	869	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean.	Day. \ Hour.
	·22000 + (C.G.S. UNIT.)																
Midnight	874	877	880	879	895	840	870	883	845	872	885	886	888	892	...	876·5	Midnight
1h	875	875	884	880	896	845	880	879	872	871	880	885	889	891	...	880·2	1h
2	880	874	880	882	898	852	890	898	886	871	880	889	889	890	...	883·1	2
3	888	876	885	890	899	860	890	890	855	876	884	889	889	891	...	885·6	3
4	888	878	887	890	900	860	885	891	856	878	889	890	890	893	...	886·1	4
5	881	879	890	894	903	864	885	896	862	880	889	890	890	896	..	887·2	5
6	877	879	890	896	908	867	890	953	869	883	888	890	891	899	...	891·4	6
7	879	880	891	900	932	872	899	907	875	890	893	892	893	900	...	894·2	7
8	870	880	890	903	930	873	900	891	878	889	894	896	893	900	...	896·1	8
9	869	881	890	901	910	871	900	898	880	884	896	897	894		...	896·3	9
10	867	882	886	892	897	878	901	894	880	882	900	898	894		...	895·0	10
11	884	883	878	898	864	872	900	862	882	890	910	910	897		...	896·0	11
Noon	893	881	874	910	842	851	895	860	878	892	919	912	900		...	896·9	Noon
13h	892	881	879	895	853	860	887	849	881	895	910	910	905	Adjustment	...	893·1	13h
14	884	879	873	894	858	863	887	860	880	890	900	902	902		...	886·1	14
15	864	871	874	893	859	863	881	840	878	895	892	893	892		...	878·3	15
16	849	869	870	892	840	853	870	820	870	892	887	890	890		...	872·9	16
17	840	876	871	889	830	860	874	827	860	887	880	886	889		...	871·7	17
18	850	877	875	890	839	860	880	840	859	888	880	885	889		...	873·9	18
19	858	873	877	891	832	860	882	840	865	885	881	889	888		...	874·5	19
20	862	870	878	891	840	879	886	839	861	884	882	888	889		...	875·0	20
21	867	870	880	891	840	869	886	851	864	880	885	888	890		...	874·9	21
22	864	870	871	890	841	870	887	836	870	882	886	888	890		...	875·7	22
23	869	874	879	891	840	870	883	840	870	880	886	888	891		...	875·7	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).

SEPTEMBER 1925.

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	815	820	816	817	818	819	817	822	821	825	822	822	821	822	829	832	Midnight
1h	814	810	815	816	817	818	817	821	820	825	822	822	821	822	830	831	1h
2	814	812	814	814	816	818	816	821	820	824	822	822	821	822	830	831	2
3	814	812	814	814	816	817	815	820	820	822	822	822	821	822	829	830	3
4	814	812	814	814	815	816	815	820	820	822	822	822	821	822	830	829	4
5	813	811	815	814	815	815	814	819	820	821	822	822	821	822	828	831	5
6	814	812	815	814	814	814	814	818	820	820	821	821	821	822	829	831	6
7	812	810	813	814	813	814	813	817	819	820	821	821	821	823	829	832	7
8	818	819	815	817	819	820	820	820	821	820	824	825	828	829	831	838	8
9	822	821	817	822	823	825	822	821	825	821	827	828	832	832	838	840	9
10	823	822	817	821	824	825	821	823	829	826	831	828	832	830	839	836	10
11	820	820	813	820	823	823	820	826	828	826	830	823	825	824	838	832	11
Noon	816	812	807	818	821	817	817	825	820	826	820	815	820	809	832	824	Noon
13h	809	809	804	816	819	809	815	821	814	822	810	809	816	800	827	818	13h
14	800	804	801	813	811	797	810	812	813	817	806	806	810	795	822	812	14
15	797	795	800	807	802	796	803	804	812	813	807	804	810	799	823	810	15
16	800	800	801	802	800	800	798	805	813	816	812	809	813	805	823	820	16
17	808	804	808	806	807	804	803	811	820	819	818	814	819	810	828	828	17
18	814	810	815	813	813	810	812	818	821	821	822	820	820	819	833	832	18
19	815	813	816	815	815	812	817	818	822	821	822	821	821	821	834	832	19
20	815	815	817	816	816	815	818	819	822	821	822	821	822	825	832	832	20
21	815	818	817	818	818	816	821	820	823	822	822	821	822	830	834	833	21
22	815	818	819	819	820	816	823	820	823	822	822	821	821	828	836	833	22
23	811	818	818	818	821	817	823	820	824	822	822	821	821	831	834	832	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	·29000 + (C.G.S. UNIT).																
Midnight	831	832	832	832	832	842	840	838	842	840	839	837	835	835	...	828·2	Midnight
1h	830	830	830	832	832	841	839	839	841	840	839	837	835	835	...	827·4	1h
2	830	830	830	831	831	840	838	839	841	840	839	837	835	835	...	827·1	2
3	830	830	830	830	831	839	837	838	840	840	839	837	835	835	...	826·7	3
4	830	830	830	830	831	839	837	837	840	840	838	837	835	835	...	826·6	4
5	830	831	830	830	831	839	837	837	840	840	839	837	836	835	...	826·5	5
6	830	831	830	830	831	838	836	836	839	839	838	836	839	835	...	826·3	6
7	832	832	831	830	836	840	835	835	842	841	840	838	843	838	...	826·8	7
8	836	836	835	836	837	845	840	841	845	845	844	841	845	842	...	831·1	8
9	840	839	840	841	839	851	848	848	848	848	848	843	843	847	...	834·6	9
10	839	837	837	841	835	852	850	850	844	846	845	843	843	847	...	834·5	10
11	837	835	826	840	830	848	841	844	840	842	840	831	840	839	...	830·8	11
Noon	825	824	818	831	822	840	827	835	836	836	830	821	833	827	...	823·5	Noon
13h	812	811	810	822	828	831	817	825	831	829	817	815	820	818	...	816·8	13h
14	804	801	800	818	828	826	814	822	830	822	813	815	819	813	...	811·8	14
15	808	805	804	813	830	827	820	825	831	824	821	823	823	820	...	811·9	15
16	816	813	811	812	830	826	822	830	834	830	826	832	830	827	...	815.2	16
17	825	825	820	820	832	830	829	831	837	835	834	838	832	832	...	820·9	17
18	830	830	830	826	838	832	831	835	840	838	839	838	833	833	...	825·5	18
19	831	831	831	830	839	834	832	835	839	838	838	837	836	835	...	826·7	19
20	832	832	832	831	840	835	833	839	838	838	838	837	835	835	...	827·4	20
21	832	833	833	832	840	838	834	840	840	838	837	837	836	835	...	828·5	21
22	832	833	833	832	841	839	836	841	840	838	837	836	835	835	...	828·8	22
23	832	833	833	832	841	840	837	842	840	838	837	836	835	835	...	828·8	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of SEPTEMBER 1925.

Month and Day 1925	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.	Height at which the Easterly Component of the wind was observed to be zero
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees.	Wind. Velocity.	Highest.	Lowest.	Range.					
	mbs.	c	c	c	%	mbs.		m.p.s.	c	c	c		m.m.	hrs.		metres
SEP. 1	973·8	18·3	4·3	10·4	60	12·5	303	7·2	19·9	13·6	6·3	8·0	0·5	6·4	55	...
2	975·1	18·9	3·9	11·8	63	13·7	292	7·0	25·1	14·8	10·3	6·6	5·8	9·7	83	...
3	974·6	18·0	3·1	12·3	69	14·2	303	5·5	19·7	14·3	5·4	5·0	0·3	8·7	74	...
4	972·6	19·3	4·2	11·7	61	13·6	281	8·3	21·0	13·1	7·9	1·9	0·0	10·5	90	7h 6100 14h 5700
5	973·2	19·2	2·3	15·0	77	16·9	281	8·5	21·2	15·3	5·9	2·8	0·2	8·8	75	...
6	972·8	20·1	3·5	13·8	67	15·6	292	7·0	21·8	14·6	7·2	4·8	0·1	9·6	82	4500
7	972·3	18·8	2·5	14·3	75	16·2	292	5·0	20·5	15·0	5·5	9·5	1·6	6·0	51	...
8	961·1	20·0	2·3	15·9	77	17·9	292	7·9	22·3	11·6	10·7	5·5	1·3	8·3	70	...
9	972·5	21·0	3·0	15·7	72	17·7	259	4·9	22·5	15·7	6·8	4·0	0·4	6·5	55	1700
10	972·7	20·0	3·0	14·6	71	16·5	303	4·7	22·0	14·3	7·7	3·3	1·5	10·6	90	2700
11	970·7	21·7	3·7	15·2	66	17·1	270	4·3	24·0	16·0	8·0	3·4	0·7	9·0	76	3100
12	970·1	23·0	3·5	16·9	68	19·0	292	4·4	24·0	15·8	8·2	2·8	0·0	7·9	66	...
13	971·0	21·6	2·1	17·9	79	20·3	236	4·1	24·1	15·0	9·1	6·8	0·0	4·1	34	...
14	970·9	21·7	3·3	15·9	70	17·9	270	3·9	23·5	16·5	7·0	5·5	0·5	8·0	67	3000
15	971·6	21·1	2·5	16·7	76	18·8	259	4·0	24·1	15·0	9·1	2·4	0·4	9·4	79	2800
16	971·0	21·9	3·9	15·1	65	17·0	247	4·3	24·5	16·1	8·4	4·0	0·1	6·3	53	3050
17	970·6	22·4	4·4	14·7	62	16·6	303	3·9	23·9	16·6	7·3	4·4	0·6	10·6	88	...
18	971·5	20·6	1·7	17·6	83	19·9	303	6·8	21·1	16·7	4·4	5·6	0·5	6·8	57	...
19	972·6	19·1	1·0	17·3	89	19·6	270	4·2	21·1	17·1	4·0	8·8	2·5	5·8	48	...
20	974·0	18·1	1·0	16·3	89	18·4	303	4·6	20·4	15·9	4·5	7·5	6·3	7·7	64	...
21	975·2	19·1	4·2	11·5	62	13·5	281	4·5	20·5	14·6	5·9	5·4	0·0	7·7	64	3800
22	975·8	19·1	2·7	14·2	73	16·1	281	4·8	20·2	14·8	5·4	9·1	4·2	7·5	63	...
23	973·1	19·8	3·6	13·4	66	15·2	292	8·0	20·6	14·0	6·6	6·6	2·0	9·7	80	
24	969·7	20·0	3·6	13·6	66	15·4	281	2·0	22·2	13·6	8·6	3·0	1·2	6·9	57	2600
25	969·6	21·7	3·8	15·0	66	16·9	270	2·8	23·8	14·5	9·3	3·6	0·0	6·1	50	1600
26	970·8	22·9	4·4	15·3	62	17·2	270	1·9	23·1	13·5	9·6	3·5	0·0	8·0	66	...
27	971·7	18·7	1·2	16·5	87	18·6	292	2·2	20·9	13·8	7·1	7·5	0·7	1·7	14	...
28	970·5	20·9	2·2	17·0	78	19·2	281	4·3	23·0	14·3	8·7	6·4	6·3	9·7	80	2300
29	971·3	21·9	3·0	16·6	72	18·7	281	7·5	23·8	14·8	9·0	1·1	0·0	10·5	86	3000
30	973·5	22·0	3·9	15·2	65	17·1	281	7·5	23·6	15·9	7·7	4·4	0·2	9·5	78	...
Mean	971·8	20·3	3·0	14·9	71·2	16·9	28·4°	5·2	22·3	14·9	7·4	5·1	Sum 37·9	7·93	66·5	...
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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

Mean of the month at 10 a.m.:

Atmospheric Pressure	+42·1 mbs
Temperature of the Air	+ 3·8 C.
Vapour Tension	+ 0·5 mbs
Relative Humidity	−12·6 %
Direction of Wind	2.°5 S*
Velocity of Wind	− 0·3 m.p.s.
Amount of clouds	− 0·5

Amount of rain	−21·6 m.m.
Duration of sunshine	+30·7 hrs.
Mean of highest temperatures	+3·4 C.
Mean of lowest temperatures	+3·3 C.
Absolute highest temperature	+3·1 C.
Absolute lowest temperature	+4·5 C

* South (0); West (8); North (16); East (24).

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1925.

Month and Day 1925.	Atmospheric Pressure: Mean	Atmospheric Pressure: Excess above Average	Temperature of the Air (in degrees Centigrade.): Highest	Lowest.	Range	Mean	Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point, (Centigrade.): Mean	Excess above Average	Degree of Humidity (Saturation=100): Mean	Excess above Average	Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall: Amount recorded by the Beckley Pluviograph.	Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
SEP.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1015·7	+ 1·6	24·6	16·7	7·9	20·5	+ 0·1	3·6	14·1	− 1·0	67	− 6	15·9	11·9	0·5	5	5·5	7·5
2	1016·5	+ 2·5	24·6	17·5	7·1	20·6	+ 0·2	3·8	13·9	− 1·2	65	− 8	15·7	13·7	0·0	...	6·4	4·7
3	1015·8	+ 1·8	24·1	17·1	7·0	20·1	− 0·3	3·7	13·5	− 1·7	66	− 7	15·3	13·2	0·0	...	5·2	5·0
4	1014·7	+ 0·7	24·7	17·0	7·7	20·4	0·0	3·6	14·0	− 1·2	67	− 5	15·8	12·6	0·0	...	6·0	3·7
5	1014·6	+ 0·6	24·7	17·9	6·8	21·1	+ 0·6	3·0	15·8	+ 0·6	72	0	17·8	14·8	0·0	...	5·0	6·0
6	1014·5	+ 0·6	24·7	17·1	7·6	20·0	+ 0·1	2·8	15·7	+ 0·5	74	+ 2	17·7	14·0	0·3	15	6·1	4·5
7	1013·3	− 0·6	24·7	18·0	6·7	21·0	+ 0·5	3·0	15·7	+ 0·5	72	0	17·7	14·9	0·0	...	5·2	7·1
8	1012·9	− 1·0	25·0	19·2	5·8	21·7	+ 1·1	2·6	17·1	+ 1·9	75	+ 3	19·3	17·5	1·6	30	6·7	5·9
9	1013·4	− 0·5	26·2	18·2	8·0	22·1	+ 1·5	2·8	17·2	+ 2·0	74	+ 2	19·4	11·7	0·0	...	5·0	4·4
10	1013·2	− 0·6	26·0	16·6	9·4	21·1	+ 0·5	3·0	15·8	+ 0·5	72	0	17·8	11·0	0·0	...	5·4	4·2
11	1012·0	− 1·8	26·4	19·2	7·2	22·4	+ 1·7	2·7	17·7	+ 2·4	75	+ 3	20·1	16·2	0·0	...	5·8	4·7
12	1011·6	− 2·2	26·9	19·1	7·8	22·4	+ 1·7	2·3	18·4	+ 3·1	78	+ 6	21·0	16·2	0·0	...	6·0	3·2
13	1012·6	− 1·1	27·3	19·8	7·5	22·9	+ 2·2	2·2	19·1	+ 3·8	79	+ 7	21·9	13·6	0·0	...	5.6	5·4
14	1013·1	− 0·6	26·8	17·7	9·1	21·8	+ 1·0	2·6	17·2	+ 1·9	75	+ 3	19·4	13·2	0·0	...	5·7	2·4
15	1012·6	− 1·1	26·5	17·4	9·1	21·7	+ 0·8	2·7	17·0	+ 1·6	75	+ 3	19·2	13·8	0·2	5	5·7	2·9
16	1012·7	− 0·9	27·6	18·0	9·6	22·3	+ 1·4	2·9	17·2	+ 1·8	73	+ 1	19·4	14·3	0·0	...	5·6	5·9
17	1013·1	− 0·5	26·8	18·8	8·0	22·1	+ 1·2	2·8	17·2	+ 1·8	74	+ 2	19·4	14·0	6·5	165	7·9	5·4
18	1013·5	0·0	26·0	19·1	6·9	21·9	+ 1·0	2·3	17·9	+ 2·5	78	+ 6	20·3	16·7	0·0	...	5·6	3·4
19	1014·3	+ 0·8	25·4	19·6	5·8	21·6	+ 0·6	1·9	18·3	+ 2·8	82	+ 11	20·8	17·6	4·6	90	7·6	7·3
20	1015·6	+ 2·1	24·7	19·2	5·5	21·0	0·0	2·9	15·9	+ 0·4	73	+ 2	17·9	17·3	0·3	10	6·3	4·3
21	1017·1	+ 3·7	24·7	18·3	6·4	21·0	− 0·1	4·2	13·6	− 1·9	63	− 8	15·4	15·9	0·0	...	6·4	5·1
22	1017·0	+ 3·6	23·4	18·7	4·7	20·7	− 0·4	3·4	14·7	− 0·8	69	− 2	16·6	15·1	0·0	...	6·5	6·0
23	1014·7	+ 1·4	24·7	17·1	7·6	20·4	− 0·8	3·2	14·7	− 0·9	70	− 1	16·6	13·4	1·0	15	7·0	4·0
24	1011·7	− 1·6	25·8	16·2	9·6	20·7	− 0·5	3·1	15·2	− 0·4	71	0	17·1	11·6	0·0	...	6·5	2·7
25	1011·7	− 1·5	26·3	17·4	8·9	21·4	+ 0·2	3·2	15·7	+ 0·1	70	− 1	17·7	13·5	0·0	...	6·5	2·4
26	1012·8	− 0·4	27·4	16·1	11·3	21·1	− 0·2	2·6	16·5	+ 0·8	75	+ 4	18·6	12·7	0·0	...	6·2	3·0
27	1012·7	− 0·4	24·9	16·1	8·8	20·3	− 1·0	1·9	16·9	+ 1·2	81	+ 10	19·0	13·0	1·3	45	6·7	6·2
28	1012·0	− 1·1	26·9	18·2	8·7	21·8	+ 0·4	2·6	17·2	+ 1·5	75	+ 4	19·4	13·5	0·0	...	5·0	4·2
29	1013·3	+ 0·3	26·7	18·3	8·4	22·1	+ 0·7	3·1	16·7	+ 0·9	72	+ 1	18·8	14·4	0·0	...	6·4	2·9
30	1014·7	+ 1·8	26·7	18·7	8·0	22·1	+ 0·7	3·2	16·5	+ 0·7	71	0	18·6	13·8	0·0	...	8·0	4·0
Mean	1013·8	+ 0·2	25·7	18·0	7·7	21·3	+0·4	2·9	16·2	− 0·8	72·8	− 1·1	18·3	14·2	Sum 16·3	Sum 380	6·1	4·6
Aver.	1013·6	...	25·3	17·0	8·3	20·9	...	3·1	15·4	...	71·7	...	17·3	13·7	33·1	867	4·7	5·1
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF SEPTEMBER 1925.

Two anticyclonic systems passed the meridian of Mauritius during September, one on the 2nd and the other on the 21st to 22nd. The pressure gradient between Mauritius and Seychelles was very high—13.6 mbs.—during the passage of the high pressure of the 21st—22nd. Pressure was 0.2 above normal in the mean.

The Westerly current was observed at a height of 6000 metres as the high pressure system of the 2nd receded, and 3800 metres on the 21st. It fell to about 1600 metres during the intervening low pressure systems.

Temperature was above normal on 23 days and 0.4C above in the mean.

Wind was slightly below normal in velocity and normal in Direction.

Humidity was 1.1% above normal.

Rainfall at the Observatory was 52 % below normal and duration 56% below in the mean. The percentage variations from the normal for the different districts of the Island were as follows.

Northern Districts	River System 1,	63% below
Eastern Districts	,, ,, 2, 3, 4,	16% ,,
South-Eastern Districts	,, ,, 5 & 6	27% ,,
Western Districts	River System 11	3% above
	,, ,, 12	54% below
	,, ,, 13	

November 22, 1925

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1925.

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
SEPT.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s	c	c	c	c	c	c	c	
1	7·1	61	− 2·7	+ 3·5	52	4·4	4·5	+ 0·6	25·1	23·9	22·4	21·9	...	22·0	21·9	cgq. .
2	9·7	83	− 2·3	+ 4·3	62	4·9	5·0	+ 1·1	25·1	23·8	22·4	22·0	...	22·0	21·7	cfq: .
3	8·7	74	− 2·4	+ 3·3	54	4·1	4·1	+ 0·2	24·9	23·9	22·4	21·9	...	21·8	21·5	f : c .
4	10·6	91	− 1·8	+ 3·2	61	3·6	3·7	− 0·2	25·1	23·7	22·4	21·9	...	21·9	21·8	o : c.f. : b .
5	9·1	78	− 1·4	+ 4·0	71	4·2	4·3	+ 0·4	25·1	23·8	22·4	22·1	...	22·2	22·2	c.f. .
6	9·0	77	− 1·4	+ 3·8	70	4·0	4·1	+ 0·3	25·1	23·7	22·5	22·3	...	22·4	22·4	c.f. : b .
7	5·4	46	− 1·9	+ 4·3	66	4·7	4·7	+ 0·9	24·9	23·8	22·5	22·3	...	22·4	22·1	cf : c : cf. .
8	9·8	83	− 1·1	+ 5·3	78	5·4	5·5	+ 1·7	25·0	23·8	22·2	22·5	...	22·6	22·6	c.f .
9	10·5	89	0·0	+ 2·9	90	2·9	3·0	− 0·8	25·1	23·7	22·7	22·8	...	23·1	23·4	c.f. : b .
10	9·7	82	− 1·2	+ 2·0	59	2·3	2·4	− 1·4	24·9	23·9	22·8	23·1	...	23·3	23·3	b : c.f. : o .
11	10·6	89	− 0·2	+ 2·7	86	2·7	2·9	− 0·9	25·0	23·8	22·9	23·1	...	23·7	24·0	o : cf. : b .
12	11·2	94	− 0·6	+ 2·9	78	2·9	3·0	− 0·8	25·0	23·7	23·1	23·8	...	24·1	24·4	b : .
13	6·5	55	+ 0·4	+ 2·2	100	2·2	2·5	− 1·3	24·9	23·8	23·3	24·2	...	24·5	24·8	b : cq : b .
14	11·2	94	+ 0·4	+ 2·2	100	2·2	2·3	− 1·5	25·0	23·8	23·5	24·2	...	24·3	24·3	b : cf. : b .
15	10·3	87	+ 0·1	+ 2·4	92	2·4	2·6	− 1·2	24·9	23·7	23·6	24·2	...	24·2	24·1	b : cf. : b .
16	8·6	72	+ 0·5	+ 1·8	106	1·8	2·0	− 1·8	24·9	23·9	23·7	24·3	...	24·2	24·2	b : c f. .
17	8·3	69	− 1·2	+ 0·8	34	1·4	2·4	− 1·4	24·9	23·8	23·7	24·5	...	24·6	24·6	o : c.f. : b .
18	10·3	86	− 2·3	+ 4·1	61	4·7	4·7	+ 0·9	24·9	23·9	23·9	24·4	...	24·2	24·0	b : c.f.q : b .
19	8·9	74	− 1·1	+ 4·1	75	4·2	4·3	+ 0·5	24·9	23·9	24·0	24·2	...	24·1	23·9	o : c.f. : o .
20	8·2	68	− 2·9	+ 5·1	60	5·8	5·9	+ 2·1	24·9	23·9	24·0	24·0	...	23·7	23·3	c.f.q : b .
21	9·8	82	− 1·9	+ 5·0	69	5·3	5·5	+ 1·7	24·9	23·9	23·7	23·8	...	23·2	22·6	b : cfq .
22	6·9	58	− 1·7	+ 4·9	71	5·2	5·2	+ 1·4	24·8	23·9	23·8	23·5	...	22·9	22·3	c.f : c : b .
23	10·2	84	− 1·2	+ 3·4	71	3·6	3·7	− 0·1	24·9	24·0	23·8	23·2	...	22·7	22·4	b : c.f. : b .
24	11·1	92	− 0·6	+ 2·9	78	2·9	3·1	− 0·6	24·9	24·0	23·7	23·1	...	23·0	22·8	c.f. : b .
25	10·5	87	+ 0·2	+ 2·6	104	2·6	2·7	− 1·0	24·8	23·9	23·6	23·4	...	23·5	23·5	b : : b .
26	6·8	56	+ 0·1	+ 1·8	103	1·8	2·0	− 1·7	24·9	24·0	23·7	23·8	...	23·7	23·5	b : cd : b .
27	0·3	2	− 1·2	+ 1·3	47	1·7	2·1	− 1·6	24·9	24·0	23·8	23·9	...	23·3	23·0	b : c : cf .
28	7·2	59	− 1·4	+ 1·9	54	2·3	2·6	− 1·1	24·8	23·9	23·8	23·5	...	23·4	23·3	c.f. : b .
29	11·5	94	− 1·3	+ 3·3	68	3·5	3·6	− 0·1	24·9	23·9	23·8	23·7	...	23·6	23·7	b : c.f. : b .
30	10·7	88	− 1·3	+ 3·4	69	3·6	3·7	0·0	24·8	24·1	23·8	24·0	...	24·2	24·3	b : c.f. .
Mean	8·96	75·1	−1·11	+3·18	70·8	3·37	3·60	− 0·19	24·94	23·86	23·26	23·32	...	23·29	23·20	...
Average	8·08	67·7	−1·04	+3·07	71·3	3·25	3·79	...	24·57	23·79	...	...	...	22·72	22·93	...
Column	1	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF SEPTEMBER 1925.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1018·9mbs	at	22h	on 21st	1009·9mbs	at	15h, 16h	on 12th
Temperature of the Air	27·6C	at	12h55m	on 16th	16·1	at	04,20 05.05	on 27th 26th
Daily range of temperature of the Air...	11·3C		...	on 26th	4·7C		...	on 22nd
Temperature of the Dew Point	20·3C	at	8h	on 13th	10·0C		5h	on 1st
Daily range of temperature of the Dew Point	6·7C		...	on 1st	1·5C		...	on 9th
Relative humidity...	97·3%	at	3h	on 12th	44·8%		at 13h	on 23rd
Wind Velocity	8·4 m.p.s.	at	13h	on 21st	0·6mps		often	often
Rainfall	6·5mm.	ending	6h	on 17th	...		...	...
Temperature of the soil at 3 ins. ...	26·2C	at	15h, 18h	on 13th, 17th	20·1C		at 9h	on 3rd
,, ,, at 6 ins. ...	25·3C	at	18h	on 17th	21·1C		at 9h	on 4th
Duration of sunshine...	11·5 hrs.		...	on 29th	0·3 hrs.		...	on 27th
Amount of Evaporation in 24 hours	8·0mm.		...	on 30th	5·0 m.m.		...	on 5th, 9th, 28th
Vapour Tension	23·6mbs	at	8h	on 13th	12·2 mbs		at 5h	on 1st
Minimum on Grass	...		...	...	11·0C		...	on 10th

Number of Days Overcast, 3, Clear 5, of Rain 9, of Lightning 0, of Thunderstorm 0

Mean Day Temperature of Air 23·39C Average 22·91C, Mean Night Temperature of Air 19·33C Average 18·63C

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

† Thermometer broken

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 1925.

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

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	0160	0172	0174	0160	0159	0158	0149	0140	0138	0140	0130	0123	0130	0137	0131	0132	Midnight
1h	0157	0170	0170	0157	0157	0157	0144	0137	0133	0140	0127	0120	0130	0132	0127	0130	1h
2	0153	0164	0162	0151	0150	0152	0137	0131	0130	0137	0120	0117	0124	0130	0122	0124	2
3	0151	0160	0160	0148	0142	0150	0131	0125	0129	0130	0119	0111	0121	0130	0123	0121	3
4	0150	0159	0160	0142	0140	0148	0130	0122	0130	0130	0119	0110	0120	0130	0122	0020	4
5	0151	0157	0158	0140	0139	0147	0130	0123	0131	0131	0120	0110	0120	0132	0123	0020	5
6	0152	0160	0159	0140	0141	0150	0132	0128	0137	0133	0123	0112	0127	0137	0129	0125	6
7	0159	0169	0162	0145	0148	0152	0137	0131	0139	0141	0128	0117	0131	0140	0132	0130	7
8	0163	0171	0168	0148	0150	0154	0140	0132	0142	0148	0133	0123	0133	0141	0140	0137	8
9	0163	0175	0170	0150	0151	0155	0147	0137	0148	0150	0137	0127	0138	0140	0140	0140	9
10	0162	0175	0170	0151	0152	0155	0146	0137	0150	0149	0132	0126	0134	0139	0141	0140	10
11	0160	0170	0168	0150	0150	0150	0140	0130	0147	0140	0127	0120	0131	0132	0138	0137	11
Noon	0155	0167	0160	0140	0142	0140	0131	0121	0139	0130	0116	0113	0120	0127	0128	0130	Noon
13h	0150	0160	0152	0138	0140	0132	0122	0120	0130	0123	0109	0107	0115	0120	0117	0120	13h
14	0148	0154	0146	0134	0133	0131	0120	0119	0124	0120	0101	0100	0111	0119	0110	0113	14
15	0142	0151	0140	0131	0131	0128	0119	0118	0120	0112	0100	0099	0111	0117	0107	0110	15
16	0142	0151	0140	0135	0131	0127	0120	0120	0120	0113	0100	0099	0112	0115	0108	0111	16
17	0150	0152	0141	0140	0138	0128	0120	0122	0120	0118	0103	0104	0118	0120	0112	0117	17
18	0151	0157	0148	0145	0142	0132	0127	0130	0122	0121	0110	0113	0122	0124	0119	0121	18
19	0160	0161	0151	0150	0145	0138	0131	0132	0130	0128	0119	0120	0128	0128	0123	0123	19
20	0168	0170	0157	0152	0150	0144	0133	0137	0137	0131	0123	0124	0132	0132	0130	0132	20
21	0173	0174	0160	0159	0158	0150	0139	0138	0140	0137	0129	0130	0139	0140	0135	0139	21
22	0173	0178	0162	0160	0159	0150	0140	0138	0140	0136	0127	0132	0139	0140	0136	0140	22
23	0172	0175	0160	0160	0160	0149	0140	0139	0140	0132	0123	0131	0138	0135	0133	0140	23

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour
Midnight	0137	0140	0149	0155	0173	0187	0168	0140	0120	0132	0139	0127	0130	0151	...	1014·6	Midnight
1h	0135	0136	0145	0151	0168	0177	0166	0135	0116	0130	0133	0122	0129	0150	...	1014·3	1h
2	0131	0131	0140	0150	0165	0172	0160	0129	0112	0127	0131	0119	0127	0148	...	1013·8	2
3	0128	0130	0137	0147	0162	0170	0155	0122	0110	0123	0125	0115	0122	0142	...	1013·4	3
4	0129	0129	0132	0143	0161	0170	0150	0120	0110	0121	0123	0115	0122	0140	...	1013·3	4
5	0131	0130	0133	0141	0165	0171	0151	0120	0110	0122	0127	0120	0124	0143	...	1013·4	5
6	0132	0130	0137	0150	0172	0175	0153	0122	0110	0129	0130	0124	0128	0148	...	1013·7	6
7	0137	0137	0142	0159	0179	0179	0158	0126	0117	0130	0134	0129	0132	0152	...	1014·2	7
8	0140	0142	0149	0162	0180	0180	0159	0128	0119	0131	0140	0131	0138	0158	...	1014·6	8
9	0140	0142	0150	0167	0181	0183	0158	0128	0120	0132	0140	0131	0140	0160	...	1014·8	9
10	0136	0140	0150	0167	0180	0182	0153	0124	0118	0130	0136	0129	0140	0159	...	1014·7	10
11	0132	0140	0150	0161	0178	0178	0150	0120	0114	0127	0130	0126	0139	0157	..	1014·3	11
Noon	0128	0136	0143	0158	0172	0170	0144	0111	0111	0119	0123	0118	0133	0150	...	1013·6	Noon
13h	0122	0130	0138	0150	0160	0162	0137	0101	0108	0112	0117	0112	0130	0141	...	1012·9	13h
14	0120	0128	0132	0143	0160	0157	0131	0100	0107	0111	0112	0110	0124	0136	...	1012·5	14
15	0119	0123	0130	0142	0159	0152	0130	0100	0103	0111	0111	0108	0120	0130	...	1012·2	15
16	0119	0122	0130	0142	0159	0150	0130	0101	0105	0115	0111	0104	0119	0132	...	1012·3	16
17	0120	0127	0134	0148	0160	0153	0130	0102	0111	0123	0113	0107	0121	0134	...	1012·6	17
18	0128	0129	0138	0151	0163	0160	0133	0107	0117	0130	0122	0110	0130	0140	...	1013·1	18
19	0132	0135	0143	0160	0171	0167	0140	0110	0124	0135	0130	0116	0137	0148	...	1013·7	19
20	0136	0140	0151	0169	0178	0172	0144	0114	0130	0141	0135	0123	0147	0152	...	1014·3	20
21	0140	0148	0158	0173	0185	0173	0148	0120	0137	0144	0135	0129	0151	0156	...	1014·8	21
22	0141	0150	0160	0173	0189	0174	0150	0120	0139	0143	0133	0130	0152	0155	..	1014·8	22
23	0140	0150	0158	0175	0187	0171	0148	0121	0138	0141	0130	0131	0151	0151	...	1014·7	23

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

Hour. \ Day.	SEPTEMBER 1925.																															
	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	7	5	2	9	5	4	3	9	4	0	9	2	1	0	0	0	8	0	6	5	1	5	0	4	1	0	0	2	0	1	...	3·1
1h	8	3	2	9	7	6	3	10	6	0	9	3	1	0	0	1	8	0	10	3	2	4	1	6	2	0	0	3	0	1	...	3·6
2	9	2	2	9	8	5	4	9	8	0	9	4	1	0	0	1	10	0	10	2	3	4	1	6	3	0	0	2	0	1	...	3·8
3	9	1	2	10	9	5	5	8	9	0	9	0	2	0	0	1	10	0	6	2	3	4	1	1	4	0	0	2	0	1	...	3·5
4	9	3	2	6	9	5	7	9	9	0	9	2	4	0	2	3	10	0	5	4	5	7	1	1	2	0	0	5	0	1	..	4·0
5	9	6	2	4	9	5	8	9	9	0	9	3	6	2	5	6	10	2	4	7	6	9	3	1	2	0	2	7	2	2	...	5·0
6	9	9	2	1	8	4	8	9	9	0	9	2	8	2	7	9	9	2	4	8	8	9	4	2	2	1	10	9	4	3	...	5·7
7	9	7	5	1	8	4	8	9	7	0	8	1	8	2	4	9	9	2	3	9	4	9	4	2	2	1	10	4	3	3	...	5·2
8	9	7	5	1	7	4	8	8	6	2	5	2	8	5	6	8	7	4	7	8	5	8	5	3	2	1	10	4	6	3	...	5·5
9	6	6	6	2	6	4	8	6	6	4	5	3	9	5	8	8	4	4	6	8	5	7	5	3	1	1	10	5	7	5	...	5·4
10	1	6	7	3	6	4	9	5	5	5	3	3	8	6	8	6	4	6	7	8	4	8	5	3	2	2	9	5	6	5	...	5·3
11	3	7	4	4	5	4	9	4	5	5	3	4	8	3	4	6	5	6	8	7	5	7	7	3	2	3	9	5	4	3	...	5·1
Noon	3	6	5	3	5	5	8	3	3	4	3	4	8	5	1	6	6	7	8	6	5	9	6	5	2	4	9	6	6	3	...	5·1
13h	0	8	4	3	6	6	8	7	4	6	3	4	7	4	2	4	6	7	8	5	6	8	6	4	2	6	9	7	5	5	...	5·5
14	6	7	5	3	5	7	8	3	4	6	3	4	8	3	3	4	7	7	8	5	7	9	7	5	2	7	9	7	3	5	...	5·6
15	7	7	8	2	5	7	9	5	5	7	3	3	9	5	4	6	6	4	8	5	8	9	6	6	6	9	9	9	3	4	...	6·1
16	8	6	8	3	5	6	9	6	4	5	3	3	9	4	4	6	5	5	8	3	7	9	5	5	5	9	9	7	3	6	...	5·8
17	9	5	7	4	4	6	9	7	2	3	2	2	9	4	4	7	4	6	9	2	8	8	5	4	3	9	9	5	3	7	...	5·5
18	9	4	4	4	4	7	9	5	1	4	2	2	9	3	4	8	3	4	7	2	5	5	4	3	3	9	10	2	4	9	...	5·0
19	9	3	6	3	4	4	7	3	1	7	2	4	5	2	2	7	2	3	9	2	4	3	5	1	3	7	9	2	3	7	...	4·3
20	9	1	8	2	5	2	5	2	0	10	4	6	2	2	1	8	1	3	6	1	4	2	8	0	3	2	7	1	2	8	...	3·8
21	9	2	5	1	5	2	3	2	0	9	2	8	0	1	0	8	0	2	10	1	6	2	2	0	3	0	3	1	2	4	...	3·1
22	9	2	7	2	4	1	5	3	0	9	1	5	0	0	0	7	0	1	10	1	5	1	1	0	1	0	3	1	2	4	...	3·8
23	8	2	8	3	5	2	7	3	0	9	1	2	0	0	0	8	0	4	9	1	4	1	1	0	0	0	2	0	1	4	...	3·8

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

Hour* Ending \ Day.	SEPTEMBER 1925.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	...	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...	..	...	..	...	...	...	..	...	...	...	...
7	0	5	11	20	1	13	0	2	11	23	11	28	10	27	17	2	0	18	7	0	25	0	21	32	31	35	0	45	45	29	...	7·8
8	0	20	54	60	9	60	21	48	60	60	50	60	60	60	25	50	57	58	55	7	58	14	60	60	59	60	0	60	60	60	...	22·7
9	36	55	60	60	55	60	27	48	58	60	60	60	42	60	60	27	60	60	45	22	60	45	60	60	60	60	0	60	60	55	...	25·6
10	60	60	58	60	59	60	25	60	60	60	60	60	32	60	53	58	60	55	60	10	60	55	60	60	60	60	2	60	60	60	...	26·8
11	60	60	60	60	60	60	22	60	60	60	60	60	55	60	60	55	60	60	55	50	60	60	55	60	60	60	0	60	60	60	...	27·9
Noon	60	60	60	60	60	60	12	60	60	60	60	60	55	60	60	59	60	60	30	60	60	33	58	60	60	60	2	60	60	60	...	27·1
13h	60	60	60	60	60	60	35	60	60	60	60	60	60	60	60	58	37	55	58	60	57	43	58	60	60	60	0	32	60	60	...	27·6
14	53	60	55	60	60	50	50	60	60	45	60	60	58	60	60	48	59	48	58	60	59	55	60	60	60	15	0	0	60	60	...	25·9
15	19	60	48	60	60	32	50	60	60	14	60	60	20	60	60	40	55	39	55	60	58	19	55	53	60	0	0	0	60	60	...	22·3
16	40	60	35	60	60	34	50	60	60	50	60	60	0	60	60	58	35	60	45	60	48	18	54	58	57	0	11	0	60	60	...	22·9
17	40	60	20	60	47	45	14	52	00	55	60	60	0	60	60	58	7	60	52	60	34	45	42	60	50	0	2	17	60	50	...	21·5
18	0	20	3	18	15	3	0	15	22	36	37	41	0	43	40	4	6	43	16	45	7	30	28	40	13	0	0	40	42	30	...	10·6
19	..	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 268·7 hours and the total possible sunshine 358·0 hours.

* Reckoned from apparent midnight.

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 1925.

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

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

TABLE XI. (*Contd.*)—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 1925

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

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

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

SEPTEBMER 1925.

Day / Hour	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day / Hour
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	881	913	880	930	885	924	887	913	885	910	888	930	883	926	878	933	Midnight
1h	887	909	882	918	883	926	886	914	882	918	895	924	877	934	884	940	1h
2	868	922	882	918	889	929	887	913	882	918	896	919	875	925	891	942	2
3	876	916	881	919	884	924	888	912	880	920	893	916	881	919	881	928	3
4	875	917	880	920	888	919	889	911	880	930	888	919	886	921	883	941	4
5	875	917	876	936	878	922	887	913	883	926	887	913	888	918	885	937	5
6	886	910	879	932	884	916	882	918	879	931	884	916	885	923	883	941	6
7	884	911	871	943	884	916	880	920	888	931	885	915	885	924	890	949	7
8	872	928	880	949	875	925	875	938	880	949	877	935	883	943	889	952	8
9	875	938	869	974	867	949	875	960	875	960	878	953	877	955	887	965	9
10	870	945	873	966	864	954	864	954	871	970	877	956	888	959	886	969	10
11	866	951	872	967	855	945	874	962	873	966	888	959	877	955	886	968	11
Noon	865	953	868	977	865	952	878	954	887	962	889	956	878	954	900	968	Noon
13h	862	957	870	972	855	967	876	957	900	966	887	964	872	967	900	982	13h
14	864	954	874	964	865	953	878	954	890	950	888	959	875	960	900	973	14
15	858	963	873	965	857	943	877	956	900	957	889	954	875	960	900	961	15
16	868	947	875	961	865	952	870	945	900	955	900	959	879	952	886	968	16
17	870	946	863	957	852	948	879	950	900	952	886	970	880	948	885	976	17
18	875	937	885	937	889	929	887	932	895	923	883	941	881	947	881	947	18
19	868	948	886	935	889	928	889	927	887	932	884	939	882	943	883	942	19
20	879	932	888	931	891	922	892	920	888	931	885	924	883	943	891	944	20
21	869	946	875	925	886	921	889	917	887	933	879	931	879	952	890	948	21
22	877	935	882	918	886	922	886	914	883	925	886	922	891	946	890	947	22
23	874	939	881	928	887	919	884	911	882	927	887	934	883	942	891	946	23

Day / Hour	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day / Hour
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	891	943	897	905	887	909	892	919	890	914	900	910	900	912	897	914	Midnight
1h	892	941	894	901	883	917	893	916	886	921	900	911	895	912	898	911	1h
2	892	937	885	900	882	918	893	917	888	918	900	906	893	916	897	917	2
3	892	937	890	915	889	916	892	920	890	915	900	909	894	914	897	913	3
4	895	923	890	915	890	915	891	921	888	918	900	912	893	916	897	917	4
5	895	925	890	910	890	915	890	923	890	914	900	910	894	914	895	922	5
6	896	921	893	910	891	912	891	921	892	910	900	916	893	916	898	911	6
7	900	919	895	907	889	916	895	924	892	910	900	915	893	915	897	916	7
8	894	929	883	926	900	932	886	934	900	925	900	926	892	918	904	921	8
9	907	932	889	927	909	943	887	932	910	924	907	933	913	933	913	932	9
10	907	934	884	940	909	943	883	942	929	929	914	936	916	940	917	925	10
11	908	941	884	939	909	945	891	943	923	935	916	940	916	940	913	933	11
Noon	916	940	886	935	908	940	900	941	926	939	915	937	915	938	917	926	Noon
13h	909	943	873	941	917	941	909	944	924	936	907	935	908	938	921	921	13h
14	913	933	888	930	907	932	900	955	926	939	907	933	908	940	916	924	14
15	916	939	894	929	913	934	909	944	913	934	908	939	908	940	917	926	15
16	907	932	887	932	908	938	900	944	906	929	907	935	914	933	911	928	16
17	907	934	886	936	892	941	900	943	904	921	907	933	914	934	905	924	17
18	900	927	889	917	900	929	900	920	903	917	900	926	895	922	903	914	18
19	896	918	883	917	896	921	896	921	900	912	900	919	896	921	902	912	19
20	897	915	884	916	897	915	896	921	900	914	900	911	897	915	901	907	20
21	896	910	882	918	896	918	889	917	900	926	900	917	897	915	902	909	21
22	894	915	892	908	896	918	892	910	900	917	900	911	896	919	902	909	22
23	888	918	892	908	890	925	890	915	900	915	900	915	896	918	901	907	23

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

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

SEPTEMBER 1925.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	902	909	887	913	887	913	886	935	885	937	887	933	883	926	888	918	Midnight
1h	894	914	886	921	896	921	872	941	883	941	891	943	885	924	885	924	1h
2	884	916	882	918	900	924	884	939	876	936	883	941	896	918	885	924	2
3	891	907	882	918	900	921	883	941	877	935	891	943	889	916	888	918	3
4	890	914	885	924	889	927	884	939	882	943	885	938	887	913	888	919	4
5	887	909	878	932	889	928	880	949	880	930	890	949	889	911	890	915	5
6	891	907	882	927	890	924	881	946	887	934	892	938	890	910	891	913	6
7	888	912	872	942	887	933	891	943	885	938	891	942	884	924	881	928	7
8	885	915	869	946	890	950	868	947	879	951	890	950	879	950	886	935	8
9	891	921	876	958	887	962	867	949	873	966	884	980	874	962	893	934	9
10	900	927	874	963	900	956	867	950	885	974	887	965	900	965	900	938	10
11	880	930	863	957	900	959	857	964	886	973	871	970	888	961	913	933	11
Noon	868	922	877	955	900	967	862	957	900	970	885	974	900	953	910	947	Noon
13h	882	857	875	960	900	960	871	971	884	982	885	974	900	972	893	935	13h
14	908	859	874	964	888	961	856	967	875	961	887	965	890	949	917	941	14
15	900	864	872	942	888	959	856	967	872	967	875	960	890	951	900	944	15
16	900	882	862	957	881	946	858	963	874	964	874	964	888	958	908	938	16
17	883	925	868	948	891	944	854	968	866	951	875	960	881	947	892	938	17
18	866	923	879	950	876	936	870	945	881	946	877	935	881	929	888	930	18
19	873	918	883	943	881	929	868	948	881	946	877	934	884	924	889	926	19
20	885	910	882	945	876	936	867	950	882	945	883	925	888	918	891	922	20
21	891	907	884	940	891	945	879	950	876	936	881	929	889	916	892	920	21
22	885	915	880	930	886	936	881	947	872	941	879	932	890	914	890	924	22
23	885	915	878	933	876	936	869	946	900	947	876	936	890	915	890	923	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		...		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	....	...	N.	E.	
Midnight	894	915	905	912	891	912	887	913	889	917	886	921	...	...	889	919	Midnight
1h	893	917	905	911	888	919	885	915	888	919	888	919	...	...	889	921	1h
2	895	912	906	914	890	910	893	907	888	919	889	917	...	...	888	920	2
3	896	910	904	918	890	910	894	906	886	921	890	915	...	...	889	919	3
4	893	916	900	915	887	913	890	910	887	919	885	924	...	...	888	921	4
5	893	917	893	917	887	913	892	908	884	924	885	923	...	...	887	921	5
6	893	917	896	906	888	912	888	912	886	921	885	924	...	...	888	920	6
7	887	934	892	911	893	907	889	911	881	929	881	928	...	...	888	924	7
8	893	934	889	917	894	906	883	926	884	940	891	945	...	...	886	935	8
9	891	945	905	924	894	906	886	934	878	953	888	957	...	...	888	945	9
10	892	940	900	930	890	915	886	936	878	952	889	954	...	...	890	948	10
11	900	946	913	933	877	905	885	938	878	953	878	954	...	...	888	949	11
Noon	909	942	909	943	917	903	875	937	889	954	879	951	...	...	893	948	Noon
13h	910	951	913	934	911	883	890	885	890	947	888	961	...	...	893	947	13h
14	918	943	906	929	888	918	902	891	891	942	889	953	...	...	893	943	14
15	914	933	905	926	881	919	879	921	900	948	889	955	...	...	891	943	15
16	916	940	910	923	876	924	877	934	891	944	882	943	...	...	889	943	16
17	911	928	904	907	883	925	874	940	891	943	900	953	...	...	887	943	17
18	909	913	898	912	882	927	889	929	894	931	900	935	...	...	888	930	18
19	906	913	896	910	882	918	880	920	889	929	893	916	...	...	887	927	19
20	903	907	897	908	881	928	886	922	890	924	875	925	...	...	888	924	20
21	906	913	894	915	878	922	885	924	890	923	886	914	...	...	888	925	21
22	905	912	894	913	892	908	888	919	892	919	887	913	...	...	889	922	22
23	907	915	894	913	882	918	885	924	886	922	884	916	...	...	888	924	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during SEPTEMBER 1925.

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

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 1925.

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

Hour \ Day	17d. *		18d.		19d.		20d.		21d.		22d.		23d.		24d		25d.		26d.		27d. *		28d. *		29d.		30d.		...		Mean r 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	9	0·9	4	1·8	4	1·9	6	3·8	6	4·0	6	3·5	5	3·1	5	2·1	6	1·6	10	1·3	5	1·5	4	1·8	5	2·0	5	2·5	...	...	2·3
1h	6	1·5	5	2·5	7	2·1	5	5·0	6	4·4	7	4·4	5	2·8	5	2·8	6	1·9	10	1·2	5	2·2	4	2·2	5	2·2	5	2·2	...	...	2·5
2	4	2·3	4	2·5	8	2·4	6	4·2	5	4·3	6	4·4	7	1·8	5	2·8	6	1·3	10	1·5	4	1·4	4	1·0	5	2·2	5	2·0	...	...	2·4
3	3	1·1	4	2·6	8	2·1	6	4·4	5	4·2	7	4·4	5	1·9	5	2·1	6	1·1	9	1·8	4	1·4	4	0·8	5	2·5	5	1·8	...	...	2·3
4	5	1·7	5	2·8	6	2·9	6	4·2	6	4·7	6	4·1	4	1·9	5	2·2	6	1·8	8	1·5	4	1·9	4	1·4	5	2·3	5	2·8	...	...	2·5
5	3	1·6	5	3·9	6	3·0	6	5·3	5	3·6	7	5·0	4	1·5	5	1·8	6	1·9	6	1·9	4	1·8	4	1·1	5	2·9	5	2·7	...	...	2·5
6	3	1·1	5	3·2	6	2·6	6	5·0	6	3·6	7	3·9	4	1·4	5	1·6	6	1·9	5	0·7	4	1·7	4	1·7	5	2·5	5	2·8	...	..	2·3
7	4	1·7	5	5·1	6	3·5	7	4·4	6	4·1	7	4·3	5	2·9	5	3·4	6	3·6	5	1·4	4	1·0	4	1·5	5	3·5	5	3·4	...	...	2·8
8	4	2·1	5	5·6	7	5·1	5	5·7	6	5·5	7	5·1	6	5·4	6	3·8	7	3·5	5	2·0	4	0·9	5	3·1	6	4·3	7	4·6	...	...	3·9
9	6	2·3	6	6·3	7	6·3	5	5·9	6	7·1	7	8·2	6	6·7	7	3·5	7	4·6	9	2·5	4	0·8	6	3·7	6	5·8	7	5·8	...	...	4·8
10	8	2·7	6	6·8	8	5·6	5	6·0	7	7·5	7	6·6	8	6·5	8	3·8	7	4·1	8	3·0	5	1·8	6	3·9	6	5·7	7	5·5	...	...	5·1
11	5	3·6	5	6·8	8	5·9	5	7·7	7	7·4	6	7·6	7	6·2	10	3·5	8	4·6	10	3·5	1	2·4	6	4·1	6	5·8	6	5·9	...	...	5·4
Noon	3	3·9	6	6·0	8	6·7	5	6·9	8	7·0	7	7·5	8	5·3	9	4·8	9	4·3	9	4·4	15	1·7	5	4·5	7	5·5	6	5·5	...	...	5·3
13h	r26	4·7	6	6·5	8	6·0	6	7·7	7	8·4	7	7·5	8	7·2	7	3·6	9	5·2	10	3·6	d21	2·0	r27	1·8	7	4·8	7	6·2	...	...	5·5
14	23	4·2	6	6·9	7	6·2	5	8·0	6	6·6	7	6·6	7	5·0	10	4·4	10	4·7	9	3·0	r 5	2·1	23	0·9	7	4·3	7	5·4	...	...	5·0
15	24	3·6	5	5·1	7	6·0	5	8·0	6	7·3	6	6·5	7	5·2	8	4·4	10	3·8	9	2·7	4	2·7	r 4	3·0	8	4·8	7	5·6	...	...	5·0
16	24	1·8	5	6·9	6	5·0	5	7·6	6	6·9	6	6·9	7	5·9	9	3·9	10	4·3	10	2·5	4	3·4	5	4·1	7	4·5	6	4·7	...	...	4·8
17	r 5	3·0	5	5·8	7	4·5	5	8·2	5	6·1	6	6·5	6	5·1	7	3·9	10	3·0	11	0·8	5	3·0	5	4·8	7	4·4	8	5·3	...	...	4·7
18	3	4·1	6	5·4	5	4·3	5	5·4	6	5·0	5	4·2	5	3·5	6	3·2	11	1·6	7	1·2	5	3·3	6	3·1	7	3·2	8	3·5	...	...	3·4
19	3	3·2	6	4·6	5	3·5	5	5·8	6	5·0	5	4·1	5	2·9	6	2·8	10	1·4	6	1·1	4	2·6	4	2·8	6	3·1	6	1·8	...	...	3·1
20	3	1·8	5	4·9	5	4·3	5	6·0	6	4·9	5	3·0	5	2·1	6	2·4	10	0·8	6	0·9	5	3·4	5	2·6	6	2·6	4	3·6	...	...	2·7
21	3	1·1	6	4·3	7	4·6	6	5·4	5	4·3	5	3·5	5	1·9	6	2·2	10	1·4	6	1·6	4	3·1	5	2·8	6	2·5	4	2·0	...	...	2·9
22	4	2·1	5	3·6	6	3·9	6	5·1	5	5·0	5	3·8	5	1·7	6	2·6	10	1·3	6	1·4	4	1·2	5	2·2	6	2·1	4	1·9	...	...	2·5
23	4	2·1	5	4·0	5	4·3	5	5·6	8	4·7	5	4·4	5	1·8	6	2·5	10	1·7	6	1·4	4	2·6	5	2·8	5	2·6	4	2·3	...	...	2·8

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for SEPTEMBER 1925.

Hour Ending \ Day	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	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.	
1h	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	0·2	...	2·1	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	3·2	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	0·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	0·6	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...
19	0.5	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...
21	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	1·6	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	0·6	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of SEPTEMBER 1925.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	0·30	7·6	30·2	4
	3	Belmont	50	0·24	6·0	26·4	2
	4	Poudre d'Or	20	0·32	8·0	24·9	2
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	0·45	11·3	41·1	1
	9	Beau Séjour	300	0·64	16·3	59·9	9
	10	Mont Piton	360	0·61	15·5	44·7	8
	11	Mon Choix	700	0·57	14·5	50·5	3
	12	Antoinette	640	1·32	33·5	61·7	7
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	1·92	48·8	69·1	12
	15	Mon Songe	620	0·99	25·1	66·0	5
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount	325	0·64	16·3	55·6	6
	18	Botanic Gardens ...	325	0.52	13·2	46·9	5
	19	The Observatory ...	179	0·64	16·3	38·9	9
	20	Solitude§	175	...	...	...	...
	21	St. André	90	0·33	8·4	28·2	2
	22	Belle Vue Harel* ...	350	0·85	21·6	...	6
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	0·75	19·1	...	2
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station*	296	0·13	3·3	...	2
	49	Poudre d'Or Station* ...	772	0·13	3·3	...	3
	50	Rivière du Rempart* ...	134	0·24	6·1	...	3
2 & 3	1	Union Régnard S.E. ...	600	1·53	38·9	61·0	9
	2	Constance d'Arifat L.G.	100	0·44	12·2	38·4	3
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	1·60	40·6	61 0	8
	5	Constance (Manès)§ ...	..	...	...	...	...
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	1·10	27·9	...	5
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile	400	2·69	68·8	89·7	9
	3	Beau Champ	20	1·58	40·1	35·8	5
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	3·77	95·8	64·3	12
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	19
	9	Bonne Veine*	...	3·25	...	...	...
5	1	Rose Belle§	850	...	82·5	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	0·11	2·8	48·5	6
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	..	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	7·70	195·6	196·8	19
	2	Tivoli*	1,300	5·62	142·7	...	12
	3	La Flora*	1,050	4·13	104·9	...	13
	4	Britannia	730	2·94	74·7	100 8	14
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	...	...
	9	St. Avold§	900	..	...	...	...
	10	Terracine§	100	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	1·24	31·5	...	5
	15	Fontenelle*	...	1·49	37·8	...	4
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	0·54	13·7	48·5	4
	3	Beau Champ	...	0·92	23·4	..	4
	4	Board	...	1·11	28·2	...	5
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ..	1,840	4·65	118·1	136·1	18
	3	Mare aux Vacoas ...	1,850	9·21	233·9	167·4	17
	4	La Marie Filter Bed ...	1,700	5·10	129·5	113·8	17
	5	Réunion	1,420	1·64	41·7	88·9	10
12	1	The Manse	850	0·27	6·9	30·9	9
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma	1,460	2·73	69·3	120.4	15
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	2·33	59 2	...	11
	7	Trianon	950	0·61	15·5	43·4	6
	8	Salency§	923	...	...	...	...
	9	La Ferme§	350	...	...	...	...
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	0·73	18·5	45·7	12
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or§	...	...	...	...	...
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	0·00	00·0	0	...

*Normals not available. § Record not Received.

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 1925.

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
	h	°		°		°		°		°			
1	15h	285	2·5	300	2·0	240	0·9	...	...	...	...	...	...
2	12¼	...	...	270	1·4	...	...	...	...	...	...	...	...
3	12¼	285	1·2	300	1·2	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	8¾	...	...	...	...	120	0·1	...	...	...	...	...	...
6	14½	240	1.6	240	0·6	...	...	...	...	...	...	...	...
7	...	...	..	...	...	...	...	...	...	...	...	...	...
8	13¼	...	...	285	2·2	...	...	...	...	...	...	...	...
9	...	.	...	...	...	...	..	...	...	...	...	...	...
10	15¼	..	...	285	0·7	...	...	...	...	...	...	...	...
11	12¼	...	...	270	0·7	...	...	...	...	...	...	...	...
12	10¾	240	0·3	240	0·1	285	0·2	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	9½	240	1·4	240	1·3	...	...	...	...	...	...	...	...
15	12¼	270	1·2	...	...	...	...	...	...	...	...	...	...
16	12½	...	...	210	0·3	...	...	...	...	...	...	...	...
17	12¼	270	0·3	300	0·3	...	...	...	...	...	...	...	...
18	...	...	...	. .	...	...	...	...	...	...	...	...	...
19	...	...	..	...	...	...	...	...	...	...	...	...	...
20	14½	300	3·8	330	2·1	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	..	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	11½	...	...	255	0·8	...	...	...	...	...	...	..	...
24	...	...	...	...	...	..	...	...	...	...	...	...	...
25	12¼	...	...	15	0·5	...	...	...	...	...	...	...	...
26	12¾	240	0·2	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	12¼	315	0·9	300	0·4	...	...	...	...	...	...	...	...
29	...	...	...	...	..	...	...	...	...	...	...	...	...
30	9½	...	...	300	0·7	...	...	...	...	...	...	...	...
...	...	...	..	...	...	...	...	...	...	...	...	...	...

Day.	Time	Scud Dir.	Scud Vel./Height	Cum: Cu. st. &c. Dir.	Cum: Cu. st. &c. Vel./Height	Alto Cum Alto St: Dir.	Alto Cum Alto St: Vel./Height	Cirro Cum Dir.	Cirro Cum Vel./Height	Cirro Stratus Dir.	Cirro Stratus Vel./Height	Cirrus Dir.	Cirrus Vel./Height
	h	°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	..	...	...	...	...
2	15h	300	1·6	270	2·2	...	...	...	...	...	...	...	...
3	15¼	...	...	285	1·2	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	15½	270	0·9	270	1·4	...	...	...	...	...	..	...	...
6	17	.	.	...	...	300	0·2	...	...	...	...	...	...
7	...	...	...	...	...	...	..	...	...	...	...	...	...
8	16½	270	3·1	300	1·7	210	0·2	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	..	...	...	...
10	15¼	210	0·5	210	0·4	...	...	...	...	...	...	..	...
11	13¾	270	0·6	...	...	...	...	...	...	...	...	...	...
12	12h	240	0·7	240	0·2	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	12¼	...	...	240	0·6	...	...	...	...	...	...	...	...
15	14¼	255	0·5	255	0·7	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	15¼	270	0·3	300	0·6	...	...	...	...	...	...	...	...
18	..	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	..	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	12¼	...	...	210	0·4	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	17	15	0·2	360	0·3	...	...	...	...	...	...	...	...
26	14¾	...	...	330	0·4	...	...	...	...	...	...	...	. .
27	...	.	...	...	...	...	...	...	...	...	...	...	..
28	12½	315	0.6	300	0·7	..	...	...	...	...	...	...	...
29	16¾	...	...	255	0·6	...	...	...	...	...	...	...	...
30	16½	300	1·2	285	0·9	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

TABLE XVII.—NORTH and EAST COMPONENTS and DIRECTION and VELOCITY of the WIND at varying heights above the AEROLOGICAL STATION at VACOAS (424.5 metres above SEA LEVEL) as determined from observations of PILOT BALLOONS.

Altitude / Date	Weather System	Surface (15 metres)				250 metres				500 metres				750 metres				1,000 metres				1,500 metres			
		N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.
d. h.		m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.
Sep. 2·18	...	− 1·9	+ 4·6	290	5·0	− 0·8	+ 1·4	300	1·6	0·0	+ 1·8	270	1·8	− 1·1	+ 1·2	313	1·6	− 0·2	+ 2·0	275	2·0	0·0	+ 1·3	270	1·3
3· 7	...	− 1·5	+ 3·7	290	4·0	− 0·9	+ 0·8	318	1·2	− 0·7	+ 1·3	298	1·5	− 0·8	+ 1·3	302	1·5	− 0·8	+ 0·8	315	1·1	− 0·2	0·0	360	0·2
4· 7	...	− 0·8	+ 3·9	280	4·0	− 3·8	+12·5	287	13·1	− 4·0	+15·0	285	15·4	+ 1·7	+10·0	260	10·2	+ 6·4	+ 4·4	214	7·7	+10·0	0·0	180	10·0
4·11	...	− 1·3	+ 6·4	280	6·5	− 2·7	+ 9·0	287	9·4	− 1·7	+ 7·4	283	7·6	− 0·5	+ 3·7	278	3·7	+ 4·0	− 2·8	144	5·0	+ 6·0	− 1·0	170	6·1
4·14	...	− 1·3	+ 6·4	280	6·5	− 3·0	+ 7·0	307	5·0	− 2·3	+ 5·0	295	5·5	− 3·0	+ 2·0	326	3·6	− 2·0	− 1·0	26	2·2	+ 3·1	0·0	180	3·1
6· 9	...	− 1·0	+ 4·9	285	5·0	− 2·5	+10·0	284	10·3	− 3·1	+11·0	286	11·4	− 3·0	+10·5	286	10·9	− 2·0	+ 8·0	284	8·3	− 4·1	+ 3·9	316	5·6
9· 7	...	− 0·7	+ 3·4	280	3·5	+ 1.8	+ 6·5	255	6·7	+ 2·0	+11·0	260	11·2	+ 1·0	+ 3·2	253	3·3	− 0·8	+ 0·8	315	1·1	+ 1·0	+ 1·4	234	1·7
10·17	...	− 1·7	+ 4·2	295	4·5	− 1·8	+ 6·5	286	6·7	+ 1·2	+ 4·1	254	4·2	+ 2·0	+ 1·9	224	2·7	+ 2·2	+ 2·0	222	3·0	+ 3·3	+ 2·5	217	4·1
11·10	...	0·0	+ 4·5	270	4·5	+ 1·3	+ 3·8	252	4·1	+ 0·8	+ 7·2	264	7·2	+ 3·0	+ 6·0	243	6.7	+ 2·2	+ 4·0	241	4·6	0·0	+ 1·5	270	1·5
12· 7	...	− 0·8	+ 3·9	285	4·0	+ 0·5	+ 7·0	266	7·0	+ 2·8	+ 4·7	240	5·5	+ 3·5	+ 2·7	218	4 4	+ 4·3	+ 2·5	210	5·0	+ 2 9	+ 2·0	215	3·5
14· 8	...	+ 0·4	+ 2·0	260	2·0	+ 2·8	+ 6·8	248	7·4	+ 2·2	+ 6·8	252	7·2	+ 3·0	+ 3·0	225	4·2	+ 3·0	+ 2·3	218	3·8	− 1·0	+ 3·0	288	3·1
15·13	...	0·0	+ 4·0	265	4·0	+ 3·7	+ 5·3	235	6·5	+ 2.0	+ 3·0	236	3·6	+ 2·6	+ 7·0	250	7·5	+ 1·5	+10·0	261	10·1	− 1·9	+ 6·0	288	6·3
17·10	...	− 1·7	+ 2·5	300	3·0	− 4·3	+ 5·0	311	6·6	− 4·0	+ 3·2	322	5·1	− 2·5	0·0	0	2·5	− 5·3	+ 3·0	330	6·1	− 6·7	+ 4·2	328	7·9
21· 7	...	0·0	+ 5·0	275	5·0	− 3·0	+15·2	281	15·4	− 3·4	+15·5	282	16·0	− 3·0	+12·5	284	12·9	− 1·0	+ 6·0	280	6·1	− 3·2	+ 3·7	311	4·9
24· 7	...	− 1·3	+ 3·3	290	3·5	− 0.9	− 8·8	84	8·9	+ 1·3	− 5·8	102	6·0	+ 2·7	− 2·8	133	4.0	+ 0·8	− 3·0	105	3·1	+ 4·3	− 2·2	153	4·8
24· 9	...	− 0·8	+ 3·9	280	4·0	− 0·2	+ 6.0	272	6·0	+ 1·0	+ 4·0	256	4·1	+ 3·3	+ 0·7	191	3.4	+ 4·0	0·0	180	4·0	+ 8·0	− 0·8	173	8·0
25· 6	...	− 0·8	+ 3·9	280	4·0	+ 1·0	+ 8·0	263	8·0	+ 2·7	+ 4·3	238	5·1	+ 2·8	+ 2·0	216	3·4	+ 0·8	+ 0·8	225	1·1	+ 0·8	0·0	180	0·8
28. 7	...	0·0	+ 2·5	270	2·5	− 2·5	+ 5·8	293	6 4	− 4·0	+10·0	292	10·7	− 3·5	+ 7·2	296	8·0	− 5·0	+ 3·5	325	6·1	− 3·8	+ 3·3	319	5.0
28· 9	...	− 1·9	+ 4 6	295	5·0	− 3·7	+ 6·5	300	7·5	− 3·8	+ 7·2	298	8·2	− 2·5	+ 5·3	295	5·9	− 3·1	+ 3·8	309	4·9	...	...	...	...
28·15	...	− 1·1	+ 5·4	285	5·5	− 4·1	+ 3·8	317	5·6	− 2·4	+ 2·7	312	3·6	− 1·0	+ 0·8	321	1·3	− 0·5	− 0·5	315	0·7	− 1.2	0·0	360	1·2
29· 6	...	− 2·1	+ 5·1	295	5·5	− 4·2	+11·8	290	12 6	− 2·2	+10·2	282	10·4	− 1·8	+10·0	280	10·2	− 1·0	+ 6·0	280	6·1	+ 3·0	0·0	180	3·0
	...																								
Mean ...	...	− 1·0	+ 4·2	283	4·3	− 1·3	+ 6·2	282	6·3	− 0.7	+ 6·2	276	6·2	− 0·1	+ 4·2	269	4·2	− 0.4	+ 2·5	261	2·5	− 1·0	+ 1·4	234	1·7

TABLE XVII—(*Continued*).—NORTH and EAST COMPONENTS and DIRECTION and VELOCITY of the WIND at varying heights above the AEROLOGICAL STATION at VACOAS (424.5 metres above SEA LEVEL) as determined from observations of PILOT BALLOONS.

Altitude / Date	Weather System	2,000 metres				2,500 metres				3,000 metres				4,000 metres				5,000 metres				6,000 metres			
		N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel	N.	E.	Dir.	Vel.	N.	E.	Dir.	Vel.	N·	E.	Dir.	Vel.
d. h.		m.ps.	m.p.s.	°	m.p.s	m.p.s	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p.s.	m.p.s.	°	m.p.s.	m.p s.	m.p.s.	°	m.p.s.
Sep. 2·18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	..	...	...	...	..
3· 7	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	.	...
4· 7	...	+ 0·2	+ 5·0	268	5·0	+ 2·2	+ 3·7	239	4·3	... 0·0	— 4·2	270	4·2	+ 1·3	+ 5·4	256	5·5	+ 0·2	+ 2·0	264	2·0	+ 5·7	+ 0·6	186	5·7
4·11	...	+ 1·2	+ 3·7	252	3·9	+ 2·0	+ 3·9	243	4·4	+ 2·0	— 2·0	135	2·8	+ 3·0	+ 3·0	225	4·2	...	...	...	...	...	...	...	...
4·14	...	+ 1·3	+ 1·0	218	1·6	+ 5·0	+ 5·0	225	7·1	+ 2·0	+ 0·5	194	2·0	+ 1·2	— 1·0	140	1·6	+ 3·0	+ 3·0	225	4·2	+ 8·0	— 5·0	148	9·4
6· 9	...	— 2·5	+ 2·0	321	3·2	+ 3·0	+ 3·0	225	4·2	+ 0·3	+ 2·5	263	2·5	— 3·3	+ 4·1	309	5·2	—11·0	— 4·5	22	11·9	...	...	...	...
9· 7	...	+ 1·8	— 2·0	132	2·7	+ 1·4	— 4·4	108	4·6	— 1·5	— 2·8	62	3·2	— 2·0	— 6·5	73	6·8	...	...	...	...	...	...	...	...
10·17	...	0·0	+ 6·3	270	6·3	— 1·2	+ 1·9	302	2·2	— 2·1	0·0	360	2·1	— 1·8	—10.0	80	10·2	...	...	...	...	...	...	...	...
11·10	...	— 4·0	+ 5·8	305	7·0	— 5·5	0·0	360	5·5	— 2·7	+ 0·3	354	2·7	— 6·1	— 6·7	48	9·0	—11·2	— 6·7	31	13·0	—10·0	—12·3	51	15·8
12· 7	...	0·0	+ 2·0	270	2·0	+ 1·5	+ 6·0	256	6·2	— 0·5	— 0·3	31	0·6	— 8·7	— 2·0	13	8·9	— 3·2	— 6·0	62	3·4	—11·0	— 6·8	32	12·9
14· 8	...	0·0	+ 6 5	270	6·5	— 6·0	+ 4·2	325	7·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15·13	...	— 4·0	+ 9·2	294	10·0	— 3·0	+ 7·0	293	7·6	— 6·0	0·0	360	6·0	— 5·8	0·0	360	5·8	— 9·5	— 5·0	28	10·7	...	...	...	..
17·10	...	— 8·8	+ 4·8	331	5·0	— 3·8	+ 2·0	332	4·3	— 4·8	+ 1·0	348	4·9	— 1·8	0·0	360	1·8	+ 5·8	— 8·8	123	10·5	+ 5·7	—11·0	117	12·4
21· 7	...	— 3·8	+ 4·2	312	5·6	— 5·2	+ 4·2	321	6·7	— 1·9	+ 4·0	295	4·4	— 3·0	0·0	360	3·0	— 2·2	— 8·3	75	8·6	— 0·7	—13·8	87	13·8
24· 7	...	0·0	— 3 5	90	3·5	— 1·4	— 0·7	27	1·5	— 4·0	— 3·3	40	5·2	— 2·0	—10·5	79	10·7	0·0	—10·5	90	10·5	...	...	...	...
24· 9	...	+ 3·8	+ 5·0	233	6.3	+ 0·7	+ 1·0	235	1·2	— 3·7	— 2·0	28	4 2	— 3·0	— 9·5	72	9·9	— 1·9	— 6·5	74	6·7	...	...	...	...
25· 6	...	— 0·5	— 1·5	72	1·6	— 1·8	— 4·0	66	4·4	— 1·3	— 3·8	71	4.0	— 7·0	—13·0	62	7·4	— 3·0	—10·0	73	5·2	+ 0·7	—15·5	93	15·5
28· 7	...	— 1·6	— 3·2	63	3·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
28·15	...	— 1·5	+ 0.3	349	1·5	— 2·2	— 6·5	71	6·8	— 1·5	— 1·5	45	2·1	+ 2 3	— 5·0	115	5 5	— 5·0	—20·0	76	10.3	...	...	...	...
29· 6	...	+ 1·0	+ 0·4	202	1·0	+ 0·5	+ 1·7	254	1·7	0·0	0·0	calm	...	0·0	— 4·0	270	4·0	...	...	...	...	...	...	...	...
Mean ...	...	+ 1·0	+ 2·6	291	2·8	+ 0 8	+ 1·6	297	1·8	— 1·6	— 0·2	7	1·6	— 2·3	— 3·0	52	3·8	— 3·2	— 6·8	65	7·5	— 0·2	— 9·1	89	9·1

Under the heading "Weather System" in column 1 of the above table the letters A. V. C. indicate respectively Anticyclonic, V shaped depression and Cyclonic weather systems, so far as the existence of these systems can be determined in Mauritius without a synoptic weather service. The sign + or — indicates an approaching or receding system. The mean values include all days available for each altitude and are not, in consequence, strictly comparable *per se*. The classification under weather systems has been adopted to facilitate the determination of mean values for different types of weather as the research work develops. The height at which the reversal of the Easterly drift was observed is given in col. 16 of Table VI. The balloon flights over 6,000 metres were observed as follows:—

$4^d.14^h$. 7,000.+7·0:—5·0: 144: 8·6; 8000.+11·0:—9·0: 141: 14·2; 9,000·+11·0:—10·0: 138. 14·9; 10,000.+11·0:—14·0: 128: 17·8; 11,000:+11·0:—10.0: 138:14· 9

$11^d.10^h$. 7,000 —20·0: —10·5: 27: 22·4· $12^d.7^h$. 7,000. —11·9: —13·0: 48: 17·6. $25^d.6^h$. 7,000+6·5: —16·0; 112: 17·2.

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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

OCTOBER 1925

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

DIRECTOR.

Published by Authority of His Excellency the Governor

PORT LOUIS

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1926.

NOTE.—For purposes of upper air investigation the directions of the wind in Table VI and of the clouds in Table XVI now refer to directions from South through West to North and East. The directions in Table VII still refer to diections from South through East and will not be altered until January, 1926.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of OCTOBER 1925

Month and Day. 1925	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
	° ′			′	Unit 1 γ	
OCT.						
1	...	·22921	·29833	...	56	33
2	...	914	833	...	34	37
3	..	914	837	...	25	27
4	11·11.9	910	838	8·1	32	35
5	12.0	894	842	7·6	64	24
6	11.6	904	840	10·4	38	28
7	12.0	913	838	9·6	42	25
8	11·6	916	838	7·8	27	24
9	11·8	888	842	5·6	65	20
10	11·7	881	845	6·4	36	16
11	11·2	886	846	6·0	59	11
12	12·2	889	844	9 3	44	25
13	11·8	895	844	9·7	48	27
14	12·0	887	841	7·2	26	27
15	12·3	895	842	6·2	60	20
16	12·3	895	841	5·2	55	24
17	11.9	889	837	9·0	11	38
18	12·3	903	836	10·1	40	41
19	12·1	902	835	12·0	41	39
20	11·4	889	840	7·9	30	19
21	12·0	872	839	11·3	114	37
22	12·0	861	843	8·8	64	19
23	11·8	865	839	11·1	98	43
24	11·0	855	854	5·9	74	21
25	11·9	881	843	8·7	42	30
26	11·4	892	841	10·5	35	26
27	11·8	891	841	9·2	36	23
28	11·5	886	839	8·5	24	26
29	12·0	894	840	8·0	16	27
30	12·2	...	839	12·3	...	31
31	12·8	...	836	10·9		38
Mean	11·11·88	·22892	·29840	8·69	46·1	27·8

Description of the Principal Magnetic Disturbances.

The following notes give a brief description of the principal magnetic disturbances The movements in Horizontal Force and Vertical force are expressed in G.G.S. units.

The term "wave" indicates a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "fluctuations," a number of movements in both directions

The extent and direction of the movement are indicated in brackets, + denotes an increase and—denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

Oct. 1st.7^h.20. Sudden increase in H.F. (50γ) followed by wavelets till $2^d.4^h$.

$9^d.0^h$. A series of irregular oscillations in H.F. (50γ) till $10^d.6^h$. A double wave (10γ) in V.F. at $9^d.3^h.10$.

$21^d.10^h$. Large negative wave in H.F. culminating at $22^h.50^m$. on same day. Rapid and minute variations in V.F. between $21^d.17^h30$ and $22^d.1^h.15^m$.

$23^d.14^h$. Large negative wave in H.F. with superposed oscillations (40γ) followed by general decrease in H.F. till $25^d.0^h$. In V.F. sharp increases (5γ) beginning at $24^d.19^h.45^m$. and ending at $21^h.0^m$.

T=0·37609: Mean Dip=θ=52°.30′·44. (X=·22456: Y=—·04446: Z=·29840).

† 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 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South).					
				A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
OCT. 6. 8·50	11.14·55	OCT. 7. 9·20	·22909	OCT. 6. 9·49	52.29·00	·29863	OCT. 6.13.30	52.29·31	·29845
.13·42	11. 8·14	15·11·10	·22934	12. 9.26	52.32·31	·29873	12.13.18	52.29·12	·29840
12. 9·36	11.15·20	13·36	·22925	21. 9·19	52.28·50	·29821	21.13.19	52.28·50	·29806
.13·28	11. 6·95	22· 9·14	·22863	28. 9·37	52.31·50	·29842	28.13 57	52.29·62	·29819
21. 9·34	11.14·67	.12·35	·22883						
.13·30	11. 5·67	29· 9·21	·22887						
28. 9.48	11.14·11	12·29	·22902						
.13.48	11. 6·74								

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

OCTOBER 1926.

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31	Mean	Day. \ Hour.
	11° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	14·0	12·5	12·0	12·1	12·0	16·0	13·1	12·7	11·0	11·9	12·3	12·3	12·6	12·1	12·1	12·4	Midnight
1h	14·2	12·4	12·1	12·3	12·1	14·0	12·2	13·2	11·8	10·8	12·4	12·0	12·7	12·3	12·3	12·3	1h
2	12·7	12·6	12·2	12·6	12·0	14·0	12·1	13·5	12·0	11·3	12·2	12·3	12·5	12·3	12·6	12·2	2
3	12·8	12·1	12·3	13·0	12·2	13·8	12·0	9·5	12·1	11·9	12·0	11·8	12·0	12.8	13·3	12·2	3
4	13·0	12·2	12·6	13·5	12·3	13·8	12·2	12·0	12·3	12·0	12·0	12·0	12·7	13·5	13·7	12·3	4
5	13·0	12·3	12·8	13·0	12·8	10·7	12·5	13·3	12·7	12·1	12·0	12·4	12·5	14·0	14·0	12·3	5
6	12·0	12·0	12·9	12·6	12·7	12·0	13·3	12·0	13·0	13·0	12·2	12·7	13·8	14·7	14·1	12·3	6
7	13·2	13·9	14·0	12·5	14·0	13·0	14·5	12·0	14·1	15·5	15·9	14·5	15·9	17·0	16·2	13·3	7
8	14·4	15·8	15·9	14·1	15·3	14·0	16·3	7·9	15·7	16·2	16·2	14·3	16·0	18·2	18·2	14·3	8
9	15·1	16·7	17·0	14·1	16·1	11·6	16·0	10·3	15·9	15·9	16·0	14·0	15·9	17·8	18·1	15·0	9
10	15·0	17·6	17·9	13·3	16·0	11·6	16·0	9·8	14·3	14·0	15·7	14·0	14·1	15·5	16·0	14·9	10
11	14·0	17·2	16·2	11·9	15·5	10·1	14·2	8·0	13·8	12·1	14·0	13·0	11·9	12·7	12·0	13·9	11
Noon	13·2	14·1	13·0	9·7	12·0	10·0	13·7	8·0	12·0	10·2	12·0	11·2	8·5	9·8	10·2	12·1	Noon
13h	8·3	9·5	9·0	7·0	8·2	8·0	10·5	8·0	9·0	7·7	8·2	8·3	8·1	6·3	8·0	9·2	13h
14	6·1	8·0	6·0	6·2	6·0	7·2	7·8	8·2	7·2	5·7	7·2	6·5	8·0	5·9	7·3	7·5	14
15	7·5	7·5	5·9	6·7	4·8	7·3	5·2	8·2	7·4	5·8	7·0	6·0	8·3	6·5	8·5	7·4	15
16	7·9	8·0	7·0	7·3	6·8	8·1	5·7	10·0	8·2	7·7	7·8	7·5	9·5	9·0	10·2	8·6	16
17	9·3	10·0	10·0	10·0	09·9	10·2	8·0	11·8	10·3	09·5	9·0	9·8	11·4	11·7	12·3	10·4	17
18	11·0	11·7	12·0	11·8	10·7	12·0	10·3	12·1	11·9	11·3	10·5	11·3	12·0	12·0	12·5	11·5	18
19	11·5	11·9	11·9	12·1	11·0	14·3	10·5	12·3	12·0	11·8	11·2	12·0	12·0	12·0	12·1	11·9	19
20	11·8	11·9	12·0	12·0	11·8	14·7	13·8	12·7	12·0	11·8	11·7	12·0	11·8	11·9	12·1	12·1	20
21	12·0	12·0	12·0	12·1	12·2	16·0	11·3	12·2	12·0	11·9	11·5	12·0	11·7	11·8	13·8	12·2	21
22	12·0	12·0	12·0	11·9	14·2	14·1	11·2	12·7	12·0	12·0	12·0	12·0	11·8	11·9	14·0	12·4	22
23	12·2	12·0	12·1	12·2	15·8	14·0	12·0	13·8	12·0	12·3	12·1	12·3	12·0	12·0	13·3	12·5	23

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

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

OCTOBER 1925.

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	900	922	907	909	891	892	900	902	919	862	889	885	883	881	886	883	Midnight
1h	900	918	907	910	900	901	899	906	902	870	890	892	890	890	889	902	1h
2	901	912	907	913	926	900	901	908	920	888	890	897	890	895	890	900	2
3	904	911	909	914	900	910	907	909	898	873	896	891	892	899	888	894	3
4	906	909	910	913	900	908	910	910	900	879	900	895	894	890	890	896	4
5	906	910	909	915	901	903	910	911	882	897	900	890	897	890	890	885	5
6	905	910	910	921	906	904	912	910	900	889	900	890	893	891	892	890	6
7	904	916	917	920	907	909	918	910	900	892	909	894	896	884	899	890	7
8	921	917	918	920	908	909	920	910	889	890	900	898	900	873	899	900	8
9	940	919	917	920	904	920	928	917	882	880	890	890	888	890	908	906	9
10	949	936	921	920	912	928	932	920	904	883	900	893	911	885	920	913	10
11	956	928	930	922	908	921	934	920	911	888	902	900	920	890	931	915	11
Noon	953	936	932	920	910	918	941	913	907	883	886	901	912	893	932	923	Noon
13h	950	927	929	920	899	910	938	914	890	876	900	900	908	890	913	926	13h
14	943	921	924	913	879	890	920	915	889	870	882	890	900	887	910	918	14
15	935	914	917	910	880	900	916	923	888	876	877	890	896	890	906	910	15
16	924	910	910	901	879	895	912	929	873	873	880	870	901	876	893	890	16
17	920	904	907	898	866	900	915	920	869	870	866	866	897	880	880	883	17
18	918	902	908	895	862	900	900	918	869	876	850	869	895	881	886	879	18
19	919	903	910	890	881	898	899	920	867	878	864	880	893	881	876	876	19
20	911	904	909	900	881	899	900	921	870	881	870	883	894	879	881	871	20
21	911	905	909	898	885	897	900	920	862	881	873	879	890	883	877	871	21
22	910	905	909	900	890	896	900	920	855	898	870	910	872	888	872	875	22
23	912	907	910	900	891	893	901	920	889	889	876	881	876	888	878	887	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	885	890	895	887	891	830	880	829	880	875	890	891	890	...	...	887·0	Midnight
1h	890	890	896	888	889	835	871	814	870	891	890	890	890	...	...	888·6	1h
2	886	889	899	888	891	852	878	826	876	882	896	888	890	...	...	892·4	2
3	887	900	900	890	892	856	883	861	872	880	897	894	896	...	...	893·2	3
4	889	894	900	891	889	859	877	853	872	880	891	886	894		...	892·6	4
5	893	894	901	890	893	863	882	858	873	884	890	884	890		..	892·8	5
6	894	895	902	890	894	861	888	855	868	890	887	882	890		...	893·8	6
7	891	898	904	898	895	866	890	870	870	891	880	878	889		...	896·0	7
8	888	900	905	897	897	870	891	888	876	895	875	871	889		...	897·0	8
9	885	907	907	893	904	878	892	862	887	904	874	875	895		...	898·7	9
10	886	919	915	892	909	886	900	870	900	910	879	882	900		...	906·0	10
11	893	921	920	895	905	894	901	860	910	905	882	888	902		...	908·7	11
Noon	892	928	922	894	893	890	908	840	907	900	885	895	904		...	907·5	Noon
13h	892	929	920	896	888	878	906	850	900	901	894	895	905		...	904·6	13h
14	888	925	915	899	883	871	902	859	893	900	889	885	900		...	898·6	14
15	889	917	908	900	878	870	884	854	889	899	892	884	891		...	896·0	15
16	894	908	902	900	864	869	840	850	885	891	900	887	894		...	889·7	16
17	888	896	900	880	859	863	820	853	880	892	903	890	893		...	884·8	17
18	886	893	900	882	853	842	815	856	872	888	905	888	891		...	882·0	18
19	887	892	896	880	840	839	810	850	873	890	902	882	890		...	881·6	19
20	883	892	890	871	830	833	815	869	874	890	906	886	890		...	882·2	20
21	888	894	889	870	820	836	813	850	876	893	910	890	890		...	881·4	21
22	888	893	883	889	808	845	817	848	878	886	885	890	890		...	881·7	22
23	888	895	881	883	795	850	817	876	877	889	890	890	891		...	883·4	23

Adjustment

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 1925.

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	838	838	839	839	843	844	842	840	840	850	847	847	844	844	843	843	Midnight
1h	837	837	838	839	842	843	842	840	841	850	847	848	844	843	843	843	1h
2	837	836	837	838	828	842	841	840	840	849	847	846	844	842	842	841	2
3	836	836	837	837	840	840	840	840	841	848	846	846	845	843	842	842	3
4	837	837	837	837	840	840	840	840	842	845	845	847	845	843	844	843	4
5	838	838	837	838	840	841	840	840	841	844	847	847	846	845	844	844	5
6	838	838	837	835	840	841	840	840	840	845	845	848	846	846	845	847	6
7	839	840	840	841	842	847	842	841	840	848	844	849	850	849	849	850	7
8	842	845	844	849	849	849	846	848	844	849	849	852	852	850	850	850	8
9	843	846	846	853	850	850	847	849	851	850	850	853	855	850	849	849	9
10	842	843	849	856	852	848	847	849	852	850	850	853	853	848	849	845	10
11	836	835	843	845	852	841	840	842	850	843	847	848	848	841	842	838	11
Noon	822	821	832	830	844	837	830	825	839	838	843	839	840	832	832	832	Noon
13h	810	812	822	821	833	828	825	828	835	834	840	830	832	827	830	830	13h
14	810	809	823	821	830	822	822	828	832	838	839	828	828	823	830	826	14
15	819	813	825	828	835	825	829	830	833	841	841	832	833	828	832	829	15
16	822	820	832	832	839	832	831	832	838	845	846	842	839	833	838	834	16
17	829	827	837	834	841	838	835	835	840	845	848	845	842	840	841	842	17
18	832	832	838	838	844	839	838	838	842	845	850	845	842	841	847	842	18
19	834	835	838	839	845	839	838	838	844	845	850	845	843	841	842	843	19
20	837	837	839	840	843	840	839	838	843	845	849	845	843	842	844	843	20
21	839	838	840	840	845	841	840	839	845	845	847	845	843	843	844	845	21
22	838	839	840	841	846	841	840	838	845	846	849	843	844	844	845	845	22
23	838	839	840	841	845	842	840	840	841	845	849	846	846	843	845	844	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	842	842	840	842	842	851	842	855	848	847	843	842	841	840	840	843·2	Midnight
1h	842	841	840	841	842	849	842	858	848	847	842	841	840	840	840	842·9	1h
2	841	840	840	840	841	849	842	858	849	845	842	842	840	840	840	841·9	2
3	842	840	839	840	841	847	842	849	849	847	843	841	840	840	840	841·9	3
4	842	840	839	840	841	848	843	852	850	847	844	843	842	841	840	842·4	4
5	843	841	840	840	841	845	844	851	850	847	845	845	843	843	841	842·9	5
6	842	840	840	840	841	845	845	849	850	848	849	847	847	847	843	843·4	6
7	848	843	842	844	847	848	848	850	853	850	852	850	852	852	850	846·5	7
8	849	849	846	849	848	844	847	844	853	849	852	849	852	851	850	848·4	8
9	849	850	847	848	848	839	843	852	852	845	850	845	852	850	848	848·7	9
10	849	849	842	847	846	837	840	857	848	839	844	841	848	840	838	846·8	10
11	841	842	833	842	840	837	834	860	842	837	839	836	835	830	827	840·9	11
Noon	829	830	820	835	828	832	829	858	837	830	834	832	828	821	817	832·1	Noon
13h	815	817	810	830	819	832	820	865	827	824	830	828	825	821	812	826·2	13h
14	811	809	808	830	816	832	811	860	823	824	829	825	829	827	816	824·5	14
15	818	811	812	832	819	836	812	855	829	831	831	824	832	830	820	827·9	15
16	821	821	822	835	826	840	821	858	835	838	838	830	838	835	829	833·6	16
17	830	830	832	841	832	842	835	858	841	842	840	835	840	840	832	838·4	17
18	837	837	838	842	838	848	845	853	842	845	842	840	840	842	837	841·3	18
19	839	838	838	841	837	850	847	852	842	844	841	840	840	841	837	841·5	19
20	840	840	839	841	841	849	851	854	842	843	840	840	840	840	838	842·1	20
21	841	840	840	842	845	849	850	850	843	842	840	840	840	840	840	842·6	21
22	842	841	841	841	850	848	851	851	844	842	843	840	840	840	843	843·2	22
23	842	841	843	842	853	847	854	852	844	843	843	841	840	840	842	843·6	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of OCTOBER 1925.

Month and Day 1925	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	Amount of Rain measured at 10 a.m.	Duration of Bright Sunshine	Percentage of Possible Sunshine.	Height at which the Easterly Component of the wind was observed to be zero
	Atmospheric Pressure.	Temperature of the Air.	Excess of Air Temperature over Evaporation	Temperature of the Dew Point.	Relative Humidity (Sat.: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees.	Wind. Velocity.	Highest.	Lowest.	Range.					
	mbs.	c	c	c	%	mbs.		m.p.s.	c	c	c		m.m.	hrs.		metres
1	972·4	21·1	3·3	15·3	69	17·2	303	5·2	22·6	16·1	6·5	5·9	2·2	9·5	78	...
2	970·5	21·1	2·9	16·0	73	18·0	225	5·2	23·9	14·7	9·2	5·1	0·2	7·6	62	2400
3	970·7	20·0	1·7	17·0	83	19·2	270	7·0	23·9	14·8	9·1	5·5	0·5	4·8	39	1000
4	970·2	20·1	1·9	16·7	81	18·8	247	6·0	21·9	16·0	5·9	6·0	0·5	2·8	23	...
5	970·1	22·9	3·8	16·3	67	18·4	169	1·0	22·7	15·7	7·0	4·1	1·5	7·9	64	600
6	970·3	18·9	0·8	17·4	91	19·7	360	1·2	21·6	15·5	6·1	4·0	3·2	2·4	20	Surface
7	970·0	20·0	4·0	12·8	63	14·7	348	0·8	22·9	13·8	9·1	3·9	0·0	6·9	56	1000
8	970·0	20·0	4·0	12·8	63	14·7	259	4·5	21·5	12·8	8·7	8·5	0·4	5·8	47	...
9	970·3	20·9	4·9	12·2	58	14·1	247	7·1	22·1	15·1	7·0	7·4	0·0	8·5	69	...
10	970·7	19·8	2·7	15·0	74	16·9	270	6·9	22·5	15·6	6·9	6·6	0·0	8·7	70	5000
11	969·2	20·1	4·1	12·8	63	14·7	247	4·8	22·9	14·5	8·4	5·2	0·0	5·7	46	above 3000
12	967·3	22·0	4·1	14·8	64	16·7	236	3·9	22·6	16·1	6·5	4·1	0·0	8·4	68	1100
13	965·6	21·7	2·8	16·8	74	18·9	225	2·4	24·1	16·8	7·3	7·4	0·1	7·2	58	1600
14	966·7	22·2	2·0	18·7	81	21·4	169	5·0	24·1	17·0	7·1	7·9	1·6	8·6	69	...
15	968·4	23·0	3·0	17·8	73	20·2	191	1·9	25·5	16·3	9·2	5·1	1·5	7·2	58	1850
16	969·6	23·0	4·0	16·1	65	18·1	236	3·8	25·6	16·8	8·8	3·5	0·0	6·0	48	1700 2500
17	970·4	23·1	3·3	17·4	70	19·7	247	4·0	25·1	16·5	8·6	3·5	0·1	7·1	57	1900
18	970·9	22·1	3·2	16·5	71	18·6	247	4·5	24·2	17·2	7·0	3·8	29·5	8·9	71	2400 1500
19	970·0	23·1	3·7	16·7	67	18·8	247	3·8	25·3	17·3	8·0	4·6	0·0	9·7	77	1900
20	968·5	23·1	3·2	17·5	71	19·8	180	3·7	24·8	16·5	8·3	5·1	0·1	8·7	69	700
21	967·7	20·5	1·7	17·5	83	19·8	348	5·4	21·0	19·1	1·9	7·8	2·7	1·8	14	...
22	970·7	19·9	5·0	10·0	57	13·0	281	5·5	20·2	13·5	6·7	2·6	0·0	10·2	81	1000
23	972·9	19·1	3·3	13·1	68	14·9	259	7·8	21·0	12·9	8·1	8·2	1·2	5·6	45	...
24	974·5	16·5	0·6	15·4	93	17·3	292	5·8	18·7	14·8	3·9	9·4	2·2	4·9	39	...
25	973·0	19·9	2·8	14·9	73	16·8	270	6·0	20·9	14·3	6·6	7·0	1·7	4·3	34	...
26	969·7	20·9	3·1	15·4	71	17·3	247	6·7	22·5	14·8	7·7	6·3	2·9	7·7	61	2000
27	968·9	22·9	4·0	15·9	65	17·9	247	3·5	21·3	15·7	5·6	6·0	0·0	4·9	39	1500
28	967·5	22·9	2·9	17·9	74	20·3	236	4·1	23·5	16·4	7·1	8·2	5·0	5·1	40	...
29	968·3	20·7	1·6	17·9	84	20·3	315	0·6	21·9	16·7	5·2	8·1	17·2	2·9	23	500
30	968·5	21·1	3·1	15·6	71	17·6	360	6·0	22·1	14·8	7·3	3·0	0·0	11·8	92	350 1000
31	969·3	21·0	4·0	13·9	64	15·7	315	2·2	22·0	13·6	8·4	0·7	0·0	11·9	93	1900 2600
Mean	969·8	21·1	3·1	15·6	71·7	17·7	26·0	3·2	22·7	15·5	7·2	5·6	Sum 74·3	6·89	55·2	...
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

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

Mean of the month at 10 a.m.	Atmospheric Pressure	+42·3 mbs.
	Temperature of the Air	+ 3·9 C.
	Vapour Tension	+ 0·4 mbs
	Relative Humidity	−14·0 %
	Direction of Wind	1°.1 S*
	Velocity of Wind	− 0·0m.p.s.
	Amount of clouds	− 0·0
Amount of rain		−47·7 m.m.
Duration of sunshine		+27.4 hrs.
Mean of highest temperatures		+4·4 C.
Mean of lowest temperatures		+2·8 C.
Absolute highest temperature		+4·6 C.
Absolute lowest temperature		+2·2 C

* South (0); West (8); North (16); East (24).

N.B. In column 16 where two values are given they refer to the morning and afternoon observation respectively.

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1925.

Month and Day 1925.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
OCT.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1013·2	+ 0·3	26·0	17·0	9·0	21·6	+ 0·1	3·2	16·0	+ 0·2	71	0	18·0	14·0	0·0	...	7·0	4·3
2	1012·0	— 0·8	26·2	17·1	9·1	21·3	— 0·2	3·1	15·8	— 0·1	71	0	17·8	14·1	0·0	...	6·4	5·7
3	1012·3	— 0·5	26·4	19·0	7·4	21·8	+ 0·3	3·3	16·0	+ 0·1	70	— 1	18·0	15·2	5·3	75	10·3	6·5
4	1011·9	— 0·8	25·9	18·7	7·2	21·6	0·0	2·4	17·4	+ 1·5	77	+ 7	19·7	14·9	0·6	20	7·6	6·0
5	1011·3	— 1·3	27·4	17·2	10·2	22·2	+ 0·6	2·6	17·6	+ 1·7	75	+ 5	19·9	13·9	0·0	...	7·2	4·0
6	1011·5	— 1·0	24·5	16·0	8·5	20·4	— 1·3	2·1	16·6	+ 0·6	79	+ 9	18·7	13·8	0·6	30	4·4	5·8
7	1010·9	— 1·5	26·4	16·2	10·2	20·8	— 0·9	4·0	13·7	— 2·3	64	— 6	15·5	11·1	0·0	...	6·8	5·0
8	1011·9	— 0·4	25·0	17·0	8·0	21·6	— 0·2	4·9	13·0	— 3·1	58	— 12	14·9	18·0	0·0	...	8·0	8·8
9	1012·7	+ 0·5	25·9	19·7	6·2	22·2	+ 0·4	4·7	14·0	— 2·1	60	— 10	15·8	14·7	0·0	...	8·8	8·9
10	1012·4	+ 0·3	25·5	19·1	6·4	21·8	— 0·1	3·7	15·3	— 0·8	66	— 4	17·2	15·3	0·0	...	9·0	7·2
11	1010·9	— 1·1	27·0	18·4	8·6	22·3	+ 0·4	4·6	14·2	— 2·0	60	— 10	16·1	17·7	0·0	...	9·0	6·3
12	1008·8	— 3·2	27·0	19·3	7·7	22·8	+ 0·9	3·5	16·7	+ 0·5	68	— 2	18·8	16·9	0·0	...	9·0	3·8
13	1006·9	— 5·0	28·9	20·0	8·9	23·8	+ 1·8	3·4	18·0	+ 1·8	70	0	20·4	15·8	0·0	...	7·0	6·7
14	1008·0	— 3·8	29·6	20·3	9·3	24·3	+ 2·3	3·3	18·6	+ 2·3	70	0	21·2	14·6	0·0	...	7·4	5·2
15	1009·9	— 1·9	29·6	18·3	11·3	23·3	+ 1·2	3·1	17·9	+ 1·6	72	+ 2	20·3	14·3	0·0	...	7·0	3·5
16	1011·1	— 0·6	28·7	19·0	9·7	23·2	+ 1·1	3·1	17·8	+ 1·5	72	+ 2	20·2	15·1	0·0	...	7·0	3·5
17	1012·2	+ 0·6	28·4	18·8	9·6	23·3	+ 1·1	3·1	17·9	+ 1·5	72	+ 2	20·3	15·1	0·0	...	7·0	3·7
18	1012·7	+ 1·2	27·4	19·6	7·8	23·2	+ 1·0	3·6	16·9	+ 0·5	68	— 2	19·0	15·8	0·0	...	8·0	2·9
19	1011·8	+ 0·3	30·2	19·3	10.9	24·1	+ 1·8	3·7	17·7	+ 1·2	68	— 1	20·1	15·7	0·0	...	8·0	3·7
20	1010·3	— 1·1	29·9	18·4	11·5	24·3	+ 1·9	3·1	19·0	+ 2·5	73	+ 4	21·8	16·3	0·8	15	8·6	3·6
21	1009·7	— 1·6	27·0	19·5	7·5	22·1	— 0·3	2·7	17·4	+ 0·9	75	+ 6	19·7	17·7	14·0	70	9·0	7·2
22	1013·7	+ 2·5	24·7	18·2	6·5	21·0	— 1·5	5·4	11·4	— 5·2	55	— 14	13·4	14·7	0·0	...	9·0	3·9
23	1015·5	+ 4·3	25·8	17·2	8·6	21·0	— 1·6	4·5	13·0	— 3·6	61	— 8	14·9	15·8	0·0	...	10·8	7·9
24	1016·5	+ 5·4	25·0	18·7	6·3	20·8	— 1·8	3·4	14·8	— 1·8	69	0	16·7	15·8	2·6	25	8·6	8·0
25	1014·8	+ 3·8	25·7	17·5	8·2	21·6	— 1·1	4·2	14·2	— 2·5	63	— 6	16·1	12·1	0·0	...	7·0	8·5
26	1012·2	+ 1·2	27·1	19·0	8·1	22·3	— 0·4	4·0	15·3	— 1·4	64	— 5	17·2	13·9	1·4	20	9·8	6·4
27	1010·4	— 0·5	28·5	17·4	11·1	22·9	+ 0·1	3·3	17·2	+ 0·4	70	+ 1	19·4	13·9	0·0	...	8·0	5·7
28	1009·4	— 1·4	28·5	19·6	8·9	23·4	+ 0·5	3·1	18·0	+ 1·2	72	+ 3	20·4	15·4	0·5	25	7·3	6·5
29	1009·7	— 1·1	26·3	18·9	7·4	22·1	— 0·8	2·3	18·1	+ 1·2	78	+ 9	20·6	15·5	0·8	40	2·3	6·5
30	1010·2	— 0·5	28·1	19·0	9·1	22·5	— 0·4	4·9	13·9	— 3·0	58	— 11	15·7	9·0	0·0	...	8·8	4·1
31	1010·9	+ 0·3	27·6	15·0	12·6	21·5	— 1·5	4·4	13·7	— 3·2	61	— 8	15·5	9·6	0·0	...	9·0	2·4
Mean	1011·5	— 0·2	27·1	18·3	8·8	22·3	+ 0·1	3·2	16·0	— 0·4	68·1	— 1·6	18·2	14·7	Sum 26·6	Sum 320	7·8	5·6
Aver.	1011·7	...	27·1	18·1	9·0	22·2	..	3·3	16·4	...	69·7	...	18·5	14·9	35·1	848	5·7	— 5·0
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF OCTOBER 1925.

A well marked anticyclonic sytem passed the meridian of Mauritius on the 24th, and, between the 11th and the 15th the the Island was under the influence of a low pressure area.

A wave of high temperature was noticeable between the 11th and the 20th, while Mauritius was under the influenee of the low pressure area.

Wind Velocity was above normal during the passage of the anticyclonic system and markedly below, during the passage of the low pressure area.

Rain fell on 9 days and was 24% below normal at the Observatory, Pamplemousses. The percentage variation from the normal for the different districts of the Island was as follows:

Northern Districts	River System 1,	57%	below
Eastern Districts	,, ,, 2, 3, 4,	56%	,,
South-Eastern Districts	,, ,, 5 & 6	47%	,,
Western Districts	River System 11	7%	above
	,, ,, 12	27%	below
	,, ,, 13	84%	,,

February 3, 1926

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1926.

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
OCT.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	11·4	94	− 0·8	+ 2·6	73	2·7	2·9	− 0·8	24·8	24·1	24·3	24·0	...	24·2	24·1	f : f .
2	5·1	42	− 0·5	+ 2·5	79	2·5	2·9	− 0·8	24·8	24·0	24·3	24·0	...	24·0	23·8	c : fq .
3	6·8	55	− 0·4	+ 2·8	82	2·8	3·0	− 0·7	24·8	24·0	24·2	24·0	...	24·2	24·1	cg : f .
4	1·8	15	+ 0·5	+ 2·3	102	2·3	2·5	− 1·2	24·8	24·0	24·3	24·1	...	23·9	23·6	c : f .
5	8·2	67	+ 0·6	− 0·4	236	0·7	2·1	− 1·5	24·8	24·1	24·0	24·1	...	23·7	23·6	f : c : f .
6	1·2	10	− 1·7	+ 0·7	22	1·8	2·0	− 1·6	24·8	24·1	24·0	24·1	...	23·5	23·0	f : og : f .
7	10·3	84	− 1·5	+ 1·0	34	1·8	2·4	− 1·2	24·8	24·1	23·5	24·1	...	23·4	23·3	c : f : c : : f .
8	6·1	50	0·0	+ 2·8	90	2·8	2·9	− 0·7	24·8	24·0	24·0	24·0	...	23·8	23·6	og : c : cg: o :
9	6·1	49	− 0·1	+ 3·1	88	3·1	3·2	− 0·4	24·8	24·2	24·1	24·0	...	23·8	23·7	og : cgq : f .
10	6·9	56	− 1·6	+ 3·1	63	3·5	3·5	− 0·1	24·8	24·1	24·2	24·1	...	23·9	24·0	f : cq : f .
11	6·5	52	− 0·5	+ 3·1	81	3·1	3·4	− 0·2	24·8	24·1	24·3	24·1	...	24·2	24·3	f : fq : c : f .
12	8·4	68	+ 0·8	+ 2·9	105	3·0	3·2	− 0·4	24·8	24·2	24·6	24·2	...	24·2	24·5	f .
13	6·7	54	+ 3·5	+ 1·1	163	3·6	3·9	+ 0·3	24·8	24·1	24·8	24·3	...	24·5	24·5	f : cg : cq : o .
14	10·3	82	+ 2·7	− 0·6	193	2·7	2·9	− 0·7	24·8	24·1	25·2	24·5	...	25·1	25·7	f .
15	10·6	85	+ 2·1	+ 1·3	148	2·4	2·6	− 1·0	24·8	24·2	25·5	24·5	...	25·4	25·6	f : c : b .
16	11·7	94	+ 0·6	+ 2·4	104	2·4	2·6	− 1·0	24·8	24·2	25·6	24·7	...	24·8	25·5	f .
17	8·8	70	+ 0·2	+ 2·6	94	2·6	2·7	− 0·8	24·8	24·2	25·8	24·9	...	25·5	25·7	b : f : c : f .
18	11·5	92	+ 0·1	+ 2·9	92	2·9	3·0	− 0·5	24·8	24·2	25·7	25·0	...	25·8	26·0	b : f : b .
19	11·6	92	+ 1·1	+ 1·8	121	2·1	2·4	− 1·1	24·8	24·2	26·2	25·2	...	25·9	26·0	f .
20	11·0	87	+ 1·2	− 0·8	214	1·4	2·6	− 0·9	24·8	24·2	26·2	25·3	...	26·3	26·4	f .
21	3·1	25	− 3·7	+ 1·5	22	4·0	4·8	+ 1·3	24·8	24·3	26·6	25·4	...	26·3	25·9	f : cg : cq : f .
22	11·8	94	− 3·3	+ 4·1	51	5·2	5·4	+ 1·9	24·8	24·4	25·6	25·5	...	24·8	24·0	f : fq : f .
23	5·7	45	− 1·7	+ 4·3	68	4·6	4·7	+ 1·2	24·8	24·4	25·0	25·4	...	24·3	23·7	o : cqg : ogq .
24	5·9	47	− 1·9	+ 4·8	68	5·1	5·3	+ 1·8	24·8	24·4	24·7	25·2	...	23·9	23·3	f : cgq : cg .
25	6·3	50	− 0·2	+ 4·7	88	4·7	4·8	+ 1·3	24·8	24·5	24·2	25·0	...	23·5	22·8	og : cq c .
26	9·8	77	+ 0·9	+ 3·2	106	3·3	3·4	− 0·1	24·8	24·5	24·1	24·9	...	23·7	23·5	o : cq : : c : f .
27	9·2	73	+ 0·8	+ 2·1	111	2·2	2·3	− 1·2	24·8	24·5	24·5	24·8	...	24·4	24·4	f c .
28	8·6	68	+ 0·9	+ 1·9	115	2·1	2·1	− 1·4	24·8	24·6	25·3	24·8	...	25·4	25·5	f : c : f .
29	1·3	10	− 0·2	+ 0·9	77	0·9	1·8	− 1·7	24·8	24·5	25·5	25·0	...	25·1	24·7	f : cg : f .
30	8·3	65	− 3·4	+ 2·2	33	4·0	4·2	+ 0·7	24·8	24·5	25·1	25·1	...	24·7	24·6	b : f : b .
31	9·9	77	− 2·1	+ 1·8	41	2·7	2·8	− 0·7	24·8	24·5	25·1	25·1		24·6	24·3	b : f : b .
Mean	7·77	62·2	−0·24	+2·22	83·8	2·23	3·17	−0·39	24·80	24·24	24·86	24·63	...	24·54	24·44	...
Average	8·21	65·7	−0·60	+2·44	76·2	2·51	3·56	...	24·41	24·13	...	...	...	25·37	25·74	...
Column	1	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF OCTOBER 1926.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1017·6mbs	at	21h	on 24th	1015·2mbs	at 16h	on 13th
Temperature of the Air	30·2C	at	13h30m	on 19th	15·0	at 04.15	on 31st
Daily range of temperature of the Air...	12·6C		...	on 31st	6·2C	...	on 9th
Temperature of the Dew Point	21·1C	at	7h & 18h	on 21st & 29th	10·2C	8h	on 22nd
Daily range of temperature of the Dew Point	7·0C	...	...	on 21st	1·8C	...	on 8th
Relative humidity...	91·0%	at	5h	on 3rd	40·0%	at 11h	on 30th
Wind Velocity	9·2 m.p.s.	at	12h	on 21st	0·6mps	often	often
Rainfall	14·8mm.	ending	2h	on 21st	..	...	...
Temperature of the soil at 3 ins. ...	28·7C	at	18h,	on 20th,	20·9C	at 6h	on 7th
,, ,, at 6 ins. ...	27·2C	at	21h	on 20th	22·2C	at 9h	on 7th
Duration of sunshine...	11·8 hrs.		...	on 22nd	1·2 hrs.	...	on 6th
Amount of Evaporation in 24 hours	10·8mm.		...	on 23rd	2·3 m.m.	...	on 29th,
Vapour Tension	24·8mbs	at	7h & 18h	on 21st & 29th	12·3 mbs	at 8h	on 22nd
Minimum on Grass	...		...	...	9·0C	...	on 30th

Number of Days Overcast, 7, Clear 2, of Rain 9, of Lightning 0, of Thunderstorm 0

Mean Day Temperature of Air 24·55C Average 24·60C, Mean Night Temperature of Air 20·05C Average 19·77C

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

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 1926.

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

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	0148	0130	0128	0132	0120	0121	0120	0119	0136	0139	0123	0110	0079	0073	0094	0115	Midnight
1h	0143	0124	0122	0130	0119	0120	0115	0117	0133	0135	0119	0101	0074	0070	0090	0109	1h
2	0138	0119	0120	0123	0111	0112	0111	0111	0130	0132	0112	0098	0068	0066	0086	0103	2
3	0134	0115	0119	0117	0105	0110	0110	0110	0129	0130	0110	0090	0064	0066	0083	0100	3
4	0132	0113	0120	0116	0103	0110	0110	0113	0129	0129	0110	0090	0065	0064	0084	0101	4
5	0133	0114	0120	0116	0108	0110	0110	0114	0130	0130	0110	0090	0063	0068	0089	0104	5
6	0139	0119	0120	0119	0110	0113	0117	0118	0131	0131	0115	0090	0072	0075	0094	0108	6
7	0146	0123	0128	0121	0118	0120	0118	0120	0133	0135	0120	0099	0079	0080	0100	0112	7
8	0150	0132	0131	0129	0122	0124	0120	0123	0134	0133	0120	0100	0080	0085	0108	0118	8
9	0149	0133	0131	0130	0123	0129	0120	0127	0134	0135	0119	0098	0078	0088	0109	0120	9
10	0145	0131	0130	0127	0123	0130	0114	0125	0131	0132	0117	0097	0078	0090	0103	0119	10
11	0141	0139	0123	0127	0120	0120	0110	0123	0130	0128	0110	0092	0074	0083	0100	0116	11
Noon	0133	0122	0121	0120	0116	0118	0100	0116	0120	0120	0107	0090	0069	0081	0095	0109	Noon
13h	0127	0117	0120	0113	0109	0110	0097	0110	0113	0112	0100	0080	0060	0073	0090	0104	13h
14	0120	0111	0113	0109	0101	0108	0090	0103	0106	0110	0093	0078	0054	0069	0086	0100	14
15	0115	0105	0109	0104	0100	0101	0090	0102	0101	0104	0092	0074	0055	0068	0088	0096	15
16	0111	0104	0110	0105	0101	0100	0090	0107	0109	0104	0092	0074	0052	0070	0090	0098	16
17	0114	0106	0111	0108	0103	0102	0095	0110	0116	0107	0098	0073	0056	0071	0094	0100	17
18	0119	0111	0118	0110	0110	0110	0102	0118	0124	0113	0101	0078	0061	0080	0102	0105	18
19	0124	0118	0122	0115	0114	0114	0110	0121	0130	0120	0109	0082	0068	0087	0109	0117	19
20	0128	0123	0129	0120	0119	0120	0117	0129	0137	0123	0110	0089	0070	0094	0117	0120	20
21	0131	0127	0132	0122	0123	0122	0120	0132	0140	0137	0110	0090	0075	0100	0121	0125	21
22	0132	0128	0134	0127	0123	0121	0121	0138	0140	0129	0112	0089	0078	0100	0121	0129	22
23	0131	0127	0135	0122	0122	0121	0120	0137	0140	0128	0113	0082	0078	0100	0120	0128	23

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. / Hour
Midnight	0125	0136	0129	0120	0098	0122	0157	0169	0167	0149	0119	0101	0100	0104	0119	1012·3	Midnight
1h	0123	0131	0123	0111	0094	0123	0152	0166	0161	0143	0113	0097	0096	0100	0115	1011·8	1h
2	0120	0128	0119	0104	0090	0122	0151	0167	0159	0136	0105	0094	0090	0098	0112	1011·4	2
3	0117	0126	0114	0100	0084	0121	0148	0159	0155	0130	0100	0090	0088	0092	0109	1011·1	3
4	0115	0124	0115	0101	0084	0122	0149	0161	0152	0128	0099	0090	0089	0093	0108	1011·0	4
5	0116	0126	0116	0104	0085	0124	0151	0164	0151	0127	0102	0093	0091	0095	0110	1011·2	5
6	0121	0128	0121	0107	0089	0129	0151	0166	0153	0127	0107	0099	0099	0100	0115	1011·6	6
7	0124	0131	0125	0110	0093	0132	0154	0169	0156	0127	0111	0102	0103	0103	0120	1012·0	7
8	0127	0136	0128	0111	0099	0137	0160	0170	0158	0125	0115	0102	0106	0108	0120	1012·3	8
9	0129	0135	0127	0111	0095	0140	0162	0174	0159	0123	0114	0101	0104	0109	0118	1012·3	9
10	0126	0133	0126	0110	0094	0140	0159	0172	0154	0122	0112	0100	0101	0109	0115	1012·1	10
11	0123	0130	0123	0109	0097	0140	0152	0168	0150	0121	0109	0098	0100	0104	0111	1011·8	11
Noon	0120	0125	0119	0105	0096	0135	0150	0162	0148	0120	0103	0090	0100	0100	0104	1011·3	Noon
13h	0111	0121	0110	0099	0092	0131	0148	0160	0139	0110	0095	0084	0094	0095	0097	1010·7	13h
14	0105	0116	0104	0094	0091	0129	0145	0157	0133	0109	0089	0080	0086	0091	0091	1010·2	14
15	0107	0113	0103	0090	0091	0129	0146	0151	0131	0107	0086	0078	0085	0087	0089	1010·0	15
16	0109	0112	0101	0090	0085	0130	0147	0150	0129	0106	0087	0077	0085	0087	0089	1010·0	16
17	0111	0115	0104	0089	0088	0135	0150	0154	0130	0109	0089	0082	0087	0089	0096	1010·3	17
18	0117	0120	0110	0093	0098	0147	0153	0160	0136	0113	0098	0091	0091	0099	0100	1010·9	18
19	0125	0126	0118	0100	0103	0151	0161	0165	0140	0118	0102	0100	0097	0105	0108	1011·5	19
20	0130	0132	0122	0104	0110	0158	0168	0171	0148	0122	0110	0104	0102	0113	0115	1012·1	20
21	0135	0137	0125	0107	0115	0161	0171	0176	0151	0124	0110	0105	0108	0118	0120	1012·5	21
22	0139	0136	0127	0108	0121	0162	0170	0174	0152	0124	0111	0103	0111	0120	0120	1012·6	22
23	0138	0132	0123	0102	0123	0160	0169	0173	0151	0123	0110	0101	0110	0120	0119	1012·4	23

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

Hour. \ Day.	OCTOBER 1925.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	4	2	7	5	1	0	3	5	10	10	8	3	1	8	0	1	1	1	3	0	9	2	6	7	10	10	1	9	4	4	0	4·4
1h	5	4	9	4	1	0	4	8	10	10	8	2	1	9	0	1	1	1	5	0	10	2	8	1	9	10	1	7	4	5	0	4·5
2	4	7	9	4	1	0	4	9	10	9	8	2	1	8	0	1	1	1	5	0	9	2	8	9	10	10	2	6	5	6	0	4·9
3	5	8	9	4	2	0	8	10	10	8	9	3	2	5	1	2	1	1	7	1	6	2	10	3	10	10	2	5	5	4	1	5·0
4	4	2	9	5	2	0	8	10	10	7	7	2	2	5	1	1	1	1	6	1	5	2	9	7	8	9	2	4	3	3	1	4·4
5	4	9	9	6	2	0	9	10	10	8	5	3	3	5	1	2	2	2	6	2	5	2	6	7	7	8	2	4	3	2	0	4·7
6	4	8	9	7	2	2	9	10	9	6	4	4	7	5	2	3	3	2	4	4	9	1	8	8	9	8	3	3	9	1	0	5·3
7	3	8	10	10	2	4	7	10	10	9	8	5	9	6	5	4	2	2	4	2	9	2	8	4	9	4	4	5	9	2	0	5·7
8	4	9	10	10	4	9	3	10	8	9	6	3	9	6	5	5	3	5	4	5	9	1	9	8	9	5	5	5	9	2	1	6·1
9	7	10	9	10	5	10	3	9	9	9	5	4	9	6	6	7	4	5	3	5	9	1	10	9	9	7	6	6	8	2	3	6·6
10	5	9	9	10	5	10	2	9	9	9	5	7	9	7	6	7	5	6	3	5	9	3	9	8	7	2	5	6	9	5	7	6·7
11	6	9	8	9	6	10	1	9	10	9	5	7	9	7	7	7	5	5	6	5	8	4	7	10	6	3	5	8	9	7	7	6·9
Noon	6	7	7	9	9	10	2	8	7	8	6	6	6	6	7	7	4	5	5	6	8	6	6	9	9	6	6	6	10	7	7	6·8
13h	8	6	6	9	8	10	5	7	9	9	7	5	5	6	7	6	5	6	6	6	9	7	6	9	8	5	6	5	9	6	6	6·8
14	8	6	5	9	8	10	5	7	7	8	7	7	7	6	8	6	5	6	6	5	10	6	5	9	9	8	6	8	9	6	4	7·0
15	6	4	7	9	7	10	7	4	9	7	9	8	9	6	9	5	8	5	5	6	9	4	9	8	9	7	7	9	9	7	3	7·1
16	5	4	5	9	7	10	8	7	9	6	9	7	8	5	7	5	8	5	3	4	9	5	9	8	9	7	8	9	9	8	3	6·9
17	4	4	4	9	7	9	9	9	9	5	9	6	8	4	5	4	8	3	3	4	9	7	9	10	8	7	9	9	9	7	4	6·8
18	3	4	3	2	8	9	9	9	4	4	9	3	8	6	2	4	8	2	2	3	9	6	8	10	9	8	9	9	8	7	4	6·1
19	2	3	3	1	6	7	6	10	8	5	7	2	6	4	2	2	6	1	1	2	8	8	9	9	9	8	8	9	6	5	3	5·4
20	2	3	2	1	4	4	3	10	9	3	4	1	8	2	1	1	4	0	1	2	5	7	8	10	8	7	9	8	4	2	2	4·4
21	3	2	1	2	1	3	1	10	8	4	3	1	10	3	1	1	1	0	1	3	1	4	7	9	7	4	9	8	2	1	1	3·6
22	2	3	2	2	0	5	1	10	9	5	2	1	10	2	1	1	1	1	1	4	1	3	6	9	8	3	9	6	1	2	0	3·6
23	1	5	4	1	0	5	2	10	10	7	3	1	10	1	1	1	1	3	0	7	1	4	8	9	9	2	9	5	2	0	0	3·9

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

Hour* Ending \ Day.	OCTOBER 1925.																															
	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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	10	12	0·4
7	45	0	0	0	45	45	17	0	10	0	20	20	0	31	38	50	35	58	55	51	0	55	0	31	1	27	39	28	4	60	60	13·7
8	55	0	0	0	60	23	37	20	23	30	36	53	29	55	54	59	60	57	60	60	16	60	29	36	30	60	60	60	0	60	60	20·7
9	60	40	0	4	55	0	60	4	45	18	55	60	60	47	58	58	60	35	60	35	32	60	10	60	46	60	60	60	0	60	60	22·0
10	60	0	21	22	35	0	60	17	25	31	60	52	1	50	60	60	60	60	60	45	49	60	32	22	60	60	52	60	2	45	55	21·3
11	60	30	45	48	32	0	60	4	1	18	60	45	22	59	60	60	60	60	60	56	55	60	20	40	60	60	60	60	0	40	52	22·5
Noon	60	12	55	20	30	2	60	25	42	40	60	60	54	46	60	59	60	60	60	60	30	60	58	18	60	60	60	39	0	32	48	23·2
13h	50	35	59	0	0	0	60	56	49	28	57	60	60	50	58	60	60	60	60	60	3	60	55	22	44	60	60	60	1	40	27	22·6
14	60	55	60	0	27	0	60	60	17	25	36	59	60	55	58	56	60	60	60	60	0	60	58	15	37	60	60	55	48	60	53	23·9
15	60	54	59	5	60	0	60	58	60	58	0	15	25	60	56	58	60	59	60	60	0	60	42	45	28	13	60	32	14	60	60	22·3
16	60	60	50	8	59	0	58	60	56	60	0	14	7	59	40	60	15	60	50	58	0	60	8	49	3	40	36	48	8	29	60	19·6
17	59	10	33	0	57	0	58	56	37	60	5	59	55	58	42	60	0	60	58	59	0	60	30	17	1	60	3	1	3	0	40	17·3
18	55	7	28	0	30	0	30	3	0	47	0	10	30	50	55	60	0	59	50	57	0	51	2	0	6	27	0	15	0	4	7	11·4
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The total amount of registered sunshine was 240·9 hours and the total possible sunshine 387·6 hours.

* Reckoned from apparent midnight.

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 1925.

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

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

TABLE XI. (*Contd.*)—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 1925

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

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

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

OCTOBER 1926.

Day / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	892	908	892	911	892	918	883	925	904	909	882	900	885	915	892	908	Midnight
1h	889	911	893	909	894	915	886	935	895	911	889	900	889	911	890	915	1h
2	889	911	893	910	893	916	893	916	890	914	889	900	887	913	888	912	2
3	889	911	890	915	892	910	895	911	892	910	887	900	885	915	894	906	3
4	892	908	892	911	906	913	897	915	891	912	890	900	890	915	892	908	4
5	889	911	888	919	905	912	893	915	892	911	889	900	882	918	893	907	5
6	887	913	886	921	888	912	896	918	890	915	889	911	887	913	896	904	6
7	887	913	887	913	910	914	900	921	893	910	897	905	888	912	892	908	7
8	883	925	917	911	907	910	921	921	905	911	890	904	888	918	900	933	8
9	884	939	878	922	890	924	905	926	918	912	868	913	903	917	907	932	9
10	884	940	923	905	900	942	917	941	922	900	885	900	896	918	910	947	10
11	900	950	918	945	900	956	918	945	931	888	893	900	889	916	907	934	11
Noon	910	949	909	944	908	941	917	942	938	885	878	922	876	895	916	940	Noon
13h	900	951	900	953	881	946	916	940	930	888	891	891	910	948	918	943	13h
14	900	944	900	950	900	944	915	937	937	885	903	886	871	871	900	946	14
15	900	946	900	951	900	953	915	937	924	864	881	892	862	885	909	945	15
16	900	945	891	943	891	944	911	929	913	868	870	912	868	878	900	947	16
17	890	948	887	933	900	938	911	927	906	872	869	912	872	894	900	947	17
18	890	925	891	922	893	935	905	912	900	885	863	925	876	924	900	939	18
19	888	919	892	910	895	924	903	907	900	889	877	915	881	919	906	929	19
20	889	916	891	913	891	921	907	915	900	894	870	912	880	920	900	927	20
21	890	915	889	929	889	928	903	907	900	883	875	925	888	912	900	939	21
22	892	911	886	935	889	929	904	910	900	884	889	916	894	906	900	923	22
23	892	910	889	928	891	922	903	908	878	900	887	913	896	904	900	921	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	887	919	883	917	889	916	885	924	904	918	916	903	909	900	904	919	Midnight
1h	891	922	887	913	889	917	889	929	903	916	917	903	917	900	903	914	1h
2	890	925	878	922	887	913	910	925	903	916	930	906	910	900	903	913	2
3	903	916	886	914	885	915	900	918	907	916	919	904	911	900	893	909	3
4	900	914	887	913	887	913	900	926	905	912	910	902	912	900	890	914	4
5	893	916	887	913	886	914	893	935	905	912	911	902	912	900	889	916	5
6	893	910	894	906	887	913	895	922	905	911	907	901	915	906	889	917	6
7	883	926	889	911	883	917	900	930	922	922	928	906	907	916	890	915	7
8	891	942	877	934	884	940	916	939	948	920	946	900	921	914	915	924	8
9	900	953	880	949	909	946	916	940	945	930	949	880	927	918	915	938	9
10	911	953	882	943	913	933	916	940	952	921	944	882	942	917	915	938	10
11	910	950	879	950	916	939	925	937	961	912	951	879	936	924	914	933	11
Noon	910	947	887	963	900	944	926	939	963	913	947	881	936	924	919	947	Noon
13h	910	949	877	955	921	952	924	936	971	900	946	881	945	918	921	931	13h
14	911	953	882	945	900	948	915	938	969	900	946	881	947	919	923	934	14
15	911	955	882	944	900	947	918	945	956	900	948	880	937	925	916	940	15
16	909	943	876	958	900	945	919	929	963	913	939	892	941	927	916	939	16
17	900	941	879	950	884	940	911	927	960	912	932	887	932	921	911	928	17
18	900	925	883	941	900	943	911	926	940	908	923	895	916	916	905	925	18
19	900	918	889	929	892	938	905	925	933	907	912	900	908	908	904	918	19
20	895	911	887	920	900	933	904	921	925	910	906	900	907	907	902	911	20
21	895	912	890	914	893	932	904	918	927	906	912	900	908	908	903	916	21
22	887	919	890	914	892	919	904	921	931	900	912	900	902	912	904	918	22
23	888	918	890	915	891	922	904	918	934	900	907	900	904	920	903	913	23

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

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

OCTOBER 1926.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	900	916	894	914	896	919	891	912	910	886	848	934	879	921	880	948	Midnight
1h	900	913	896	909	898	912	890	915	889	884	859	927	881	919	876	936	1h
2	894	914	894	913	897	913	892	910	897	894	859	927	887	913	874	939	2
3	896	910	894	915	898	909	893	910	897	894	864	924	895	912	870	930	3
4	896	909	896	918	898	911	888	918	897	894	863	925	895	912	886	935	4
5	895	912	896	918	897	916	888	918	894	885	866	934	894	915	876	936	5
6	894	915	896	919	897	917	893	909	893	884	860	926	891	921	859	941	6
7	891	922	895	925	904	920	897	905	890	876	859	941	887	933	870	946	7
8	900	933	900	946	913	933	917	911	875	862	864	955	900	966	871	971	8
9	900	935	900	951	917	943	924	905	875	900	861	958	888	957	871	971	9
10	908	938	916	939	917	941	944	900	829	929	860	960	889	954	877	956	10
11	916	940	917	943	932	932	941	872	820	933	871	969	886	969	859	961	11
Noon	918	943	918	943	932	922	946	881	815	935	874	964	875	959	872	967	Noon
13h	918	945	917	943	945	918	943	882	832	914	874	964	877	955	874	964	13h
14	916	940	908	938	938	915	935	865	844	911	871	971	872	967	900	952	14
15	917	943	919	946	930	920	924	864	853	900	859	962	866	952	886	972	15
16	906	930	908	940	929	911	914	864	837	942	860	960	878	952	877	955	16
17	900	938	883	941	920	913	921	869	854	931	858	942	874	940	900	951	17
18	900	934	892	940	911	911	907	883	846	954	861	939	872	967	894	931	18
19	895	925	900	922	905	905	907	885	850	950	887	934	876	957	887	932	19
20	895	926	897	913	907	907	907	885	869	946	881	919	883	942	886	934	20
21	896	921	897	917	908	908	907	885	858	942	882	918	879	950	886	936	21
22	897	915	897	916	894	914	908	890	862	938	879	921	882	945	907	935	22
23	897	916	894	929	894	915	908	890	859	941	881	919	879	950	900	943	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	900	948	900	928	903	916	903	913	901	907	859	917	873	927	891	917	Midnight
1h	883	941	900	912	903	913	902	909	901	907	871	911	884	916	892	914	1h
2	886	934	892	908	902	910	901	907	902	909	873	906	885	915	892	914	2
3	889	926	890	915	902	908	902	911	904	918	875	905	888	912	893	912	3
4	890	925	892	919	902	908	903	913	893	916	868	913	891	907	894	913	4
5	889	928	900	928	900	912	904	918	893	910	864	907	884	911	892	914	5
6	886	934	888	931	898	910	903	913	897	905	867	913	884	911	891	914	6
7	900	944	900	936	900	918	903	913	893	910	857	918	878	922	893	918	7
8	878	952	919	947	905	925	905	924	896	906	859	917	876	924	900	926	8
9	900	970	922	954	914	934	916	939	896	906	877	905	861	926	901	932	9
10	900	971	923	956	920	930	914	934	894	908	882	896	861	916	905	931	10
11	900	978	924	957	913	934	924	936	925	890	866	923	873	918	907	933	11
Noon	900	981	917	941	921	932	924	936	915	910	863	915	881	919	907	933	Noon
13h	900	965	922	953	922	922	929	929	916	911	868	932	874	926	909	932	13h
14	900	963	934	934	914	935	921	932	922	886	846	936	859	917	906	927	14
15	914	972	924	936	921	931	914	934	924	910	864	936	864	924	904	929	15
16	912	960	917	943	912	930	915	923	924	915	865	935	866	934	901	929	16
17	922	953	918	944	905	922	904	919	904	920	870	945	868	932	898	927	17
18	909	943	911	928	910	923	907	917	890	914	859	941	875	938	895	926	18
19	900	943	909	921	905	922	903	914	886	914	863	925	889	917	895	920	19
20	900	936	904	921	900	915	902	908	877	915	864	924	890	915	894	917	20
21	900	925	903	916	906	927	902	908	879	909	871	929	893	910	895	918	21
22	900	920	904	918	903	917	902	909	879	909	861	939	893	909	895	917	22
23	900	914	903	916	903	913	902	910	867	913	874	926	897	905	894	918	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during OCTOBER 1925.

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

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 1925.

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

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

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

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

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for OCTOBER 1925.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of OCTOBER 1925.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	5·59	15·0	37·1	4
	3	Belmont	50	0·53	13·5	50·0	4
	4	Poudre d'Or	20	0·63	16·0	44·4	4
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	1·89	48·0	49·3	4
	9	Beau Séjour	300	0·79	20·1	65·0	9
	10	Mont Piton	360	0·98	24·9	67·6	9
	11	Mon Choix	700	0·88	22·9	63·2	6
	12	Antoinette	640	0·51	13·0	64·3	2
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	1·58	40·1	94·0	7
	15	Mon Songe	620	0·99	25·1	70·9	5
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount	325	1·35	34·3	62·5	7
	18	Botanic Gardens ..	325	1·24	31·5	54·6	7
	19	The Observatory ...	179	0·85	21·5	32·5	9
	20	Solitude§	175	...	...	...	...
	21	St. André	90	0·85	21·5	29·7	2
	22	Belle Vue Harel§ ...	350	...	..	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trébuchet)*	165	0·74	18·8	...	2
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	0·16	4·0	...	2
	49	Poudre d'Or Station* ...	772	0·61	15·5	...	3
	50	Rivière du Rempart§ ...	134	..	...	...	...
2 & 3	1	Union Régnard S.E. ...	600	0·51	13·0	61·2	6
	2	Constance d'Arifat L.G.	100	0·98	24·9	47·5	4
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	0·7[illegible]	18·[illegible]	49·8	5
	5	Constance (Manès)§ ...	..	.	...	...	...
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	0·23	8·4	...	3
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile	400	1·22	31·0	97·0	4
	3	Beau Champ	20	1·37	34·8	45·5	5
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	1·92	48·8	89·7	12
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	.
	9	Bonne Veine*	...	2·61	66·3	...	21
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	..	...	...
	3	Ferney§	20	...	...	...	. .
	4	Beau Vallon	60	0·68	17·3	50·5	7
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)§ ...	75	..	...	...	...
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	2·27	57·7	164·8	5
	2	Tivoli*	1,300	6·89	175·0	...	7
	3	La Flora*	1,050	4·14	105·2	...	10
	4	Britannia	730	4·65	118·1	114·6	14
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	.	...
	9	St. Avold§	900	..	...	...	...
	10	Terracine§	100	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	2·69	68·3	...	8
	15	Fontenelle*	...	4·08	103·6	...	6
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	..	...	...
7, 8 & 9	1	Bel Ombre	40	2·02	51·3	45·2	9
	3	Beau Champ*	...	2·16	54·9	..	8
	4	Board*	...	4·04	102·6	...	9
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	5·43	137·9	113·3	17
	3	Mare aux Vacoas ...	1,850	4·77	121·2	126·7	12
	4	La Marie Filter Bed ...	1,700	4·18	106·2	96·8	19
	5	Réunion	1,420	3·09	78·5	78·0	11
12	1	The Manse	850	1·69	42·9	41·1	10
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma	1,460	2·23	56·6	119·9	12
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	2·69	88·3	...	9
	7	Trianon§	950	...	...	...	...
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·55	14·0	...	8
	10	Bon Air§	1,050	...	...	. .	...
	11	Val Ory	1,100	1·02	25·9	54·6	16
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	..
	15	Hermitage§	...	...	...	..	..
	16	Côte d'Or§	...	...	.	...	...
	17	Mon Repos§	..	...	.	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute§	...	...	...	...	

*Normals not available. §Record not Received.

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 1925.

Day \ Type	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
	h	°		°		°		°		°			
1	11¾	...	...	270	0·4	...	...	...	...	...	...	...	...
2	13½	...	...	210	0·4	225	0·3	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	12½	160	0·5	360	0·2	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	9½	305	0·3	...	...	330	0.2	...	...	...	...	...	...
8	14¼	...	...	305	0·4	300	0.6	...	...	...	...	...	...
9	10	280	0·6	295	0.6	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	7¼	...	...	...	...	120	0.3	...	...	...	...	135	0·3
13	11¾	...	...	200	0·7	...	...	...	...	...	...	...	...
14	9¾	135	0·9	135	0·6	...	...	...	...	...	...	...	...
15	8¼	...	...	210	1·3	90	0·3	90	0·3	...	...	...	...
16	12¼	...	...	240	0·5	120	0·4	...	...	...	...	120	0·6
17	9¾	270	0·5	300	0·7	...	...	...	...	...	...	...	...
18	8½	285	1·7	285	1·6	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	9¾	150	0·4	150	0·2	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	9½	300	0·4	330	0·2	...	...	...	...	...	...	...	...
23	9½	290	0·8	300	1·2	...	...	...	...	...	...	...	...
24	11¾	...	...	285	0·9	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	10¼	...	...	240	0·8	...	...	...	...	...	...	150	0·3
27	9	...	...	240	0·9	...	...	...	...	...	...	120	0.4
28	9¾	270	0·8	285	0·4	...	...	...	...	120	0·3	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	10h	...	...	150	0·2	150	0·3	...	...	150	0.1	...	...
31	10h	...	...	300	0·8	...	...	...	...	...	...	...	...

Day \ Type	Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		Cirro Stratus		Cirrus	
		Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height	Dir.	Vel./Height
	h	°		°		°		°		°		°	
1	14¼	240	0·8	270	0·6	...	...	...	...	...	...	...	...
2	17½	...	...	...	...	240	0.3	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...		...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	12	...	...	...	...	90	0·2	...	...	...	...	...	...
8	16¾	...	...	270	1·0	...	...	...	...	...	...	...	...
9	12½	280	1·3	280	0.3	280	0·3	...	...	...	...	...	...
10	15-16	300	1·3	300	1.0	...	...	...	...	...	...	...	...
11	17¾	...	...	...	...	...	...	...	...	...	...	120	0·2
12	16½	...	...	210	0·6	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	14¼	120	1·2	120	0·6	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	16¼	...	...	...	...	120	0·5	120	0·5	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	15¼	210	0.6	225	0·5	...	...	...	...	...	...	...	...
20	11¾	...	...	135	1·0	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	11¾	...	...	330	0·4	...	...	...	...	...	...	...	...
23	12¾	285	0·5	300	0·5	...	...	...	...	...	...	...	...
24	14¾	285	1·1	285	0·7	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	17¼	...	...	...	...	90	0·6	120	0·5	...	...	120	0·3
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	11¾	270	0·1	240	0·5	...	...	...	...	...	...	...	...
29	15½	330	0·9	150	0·3	120	0.2	...	...	...	...	...	...
30	14½	360	0·7	30	0·2	...	...	...	...	...	...	...	...
31	14½	...	...	60	0·2	...	...	...	...	...	...	...	...

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

NEW SERIES (MONTHLY). VOL. XI. PART 11 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

NOVEMBER 1925

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

DIRECTOR.

Published by Authority of His Excellency the Governor

PORT LOUIS

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1926.

NOTE.—For purposes of upper air investigation the directions of the wind in Table VI and of the clouds in Table XVI now refer to directions from South through West to North and East. The directions in Table VII still refer to diections from South through East and will not be altered until January, 1926.

TABLE I.—RESULTS OF MAGNETICAL OBSERVATIONS made during the MONTH of NOVEMBER 1925.

Month and Day. 1925	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force (Unit 1 γ)	Vertical Force. (Unit 1 γ)
Nov.	° ′			′		
1	11·11.9	·22896	·29839	9·0	41	33
2	12.5	898	837	9·2	34	34
3	11.9	887	838	10·2	22	32
4	12.5	893	838	8·0	12	30
5	12.5	898	837	6·8	20	23
6	12.9	901	838	6·7	19	18
7	12·1	903	835	10·0	27	26
8	12·6	905	838	10·9	28	24
9	11·9	857	842	8·4	70	15
10	13·5	...	847	6·0	...	10
11	12·2	...	847	8·2	..	16
12	13·3	883	844	4·5	37	14
13	12·2	887	842	5·1	63	18
14	12·1	875	840	9·2	84	32
15	13·4	872	844	7·5	32	18
16	12.8	880	838	10·3	23	29
17	13·2	884	841	8·7	29	18
18	13·1	887	838	9·8	20	27
19	13·5	897	837	8·0	20	27
20	13·1	896	837	11·7	33	26
21	13·3	898	837	10·5	24	26
22	12·8	906	840	6·3	37	15
23	13·7	911	839	9·7	45	21
24	12·5	913	842	8·2	41	14
25	13·5	908	841	8·0	26	23
26	13·0	907	841	9·2	16	21
27	12·4	910	840	10·8	29	32
28	12·9	914	849	10·0	31	17
29	12·7	916	847	5·0	33	19
30	12.7	925	851	6·0	36	18
...	...	...	...	...	...	...
Mean	11·12·76	·22897	·29841	8·40	33·2	22·5

T=0·37613: Mean Dip=θ=52°.30′·00. (X=·22460: Y=−·04452: Z=·29841).

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

Description of the Principal Magnetic Disturbances.

The following notes give a brief description of the principal magnetic disturbances The movements in Horizontal Force and Vertical force are expressed in G.G.S. units.

The term "wave" indicates a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "fluctuations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and—denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

d.	h.	m.	
2	19	45	Double wave in H.F. (±10γ).
	21	45 and 23h. 45m.	Increase in V.F. (5γ).
	22	20	Increase in H.F. (20γ).
10	1	30 to 3h	double wave in H.F. (±15γ).
	22	40	Increase in V.F. (10γ)
14	17	40 to 15d. 2h.	Large wave in H.F. (−80γ) with superposed fluctuations.
	17	40 to 15d. 2h.	Small sharp movements in V.F.
24	15	to 25d. 3h.	Fluctuations in H.F. Max. 20h. (−30γ)
27	7	to 16h.	Small sharp oscillations in V.F.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of NOVEMBER 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South). A.M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
Nov. 4. 8·49	11.15·22	Nov. 7.11· 9	·22928	Nov. 4. 8·38	52.30·75	·29851	Nov. 4.13.30	52.29·50	·29820
.13·21	11. 9·77	·13·24	·22919	10.11. 5	52.32·62	·29835	10.13.22	52.33·87	·29835
10·11·17	11.11·24	13· 9·34	·22901	17. 9· 2	52.31·12	·29852	17.13.22	52.29·00	·29825
.13·13	11. 9·66	·12·19	·22919	25.11·14	52.28·00	·29832	25.14. 4	52.29·12	·29829
17. 9·15	11.15·05	19. 9·23	·22882						
.13·12	11. 8·37	·12·57	·22900						
25.11.23	11.13·10	25· 9·27	·22931						
.13.53	11.10·64	·12·19	·22935						

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

NOVEMBER 1925.

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

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. \ Hour.
	11° +																
Midnight	13'·0	13'·0	13'·0	13'·0	13'·0	13'·5	13'·3	13'·7	14'·0	14'·3	13'·8	13'·8	13'·3	13'·3	...	13'·4	Midnight
1h	13·3	12·7	12·5	13·0	12·3	13·0	13·3	13·5	14·0	14·0	13·8	13·8	13·0	13·3	...	13·3	1h
2	13·0	13·0	12·3	13·0	12·2	13·0	13·3	12·7	14·0	14·2	13·2	13·5	13·3	13·3	...	13·3	2
3	13·2	13·5	13·3	13·3	12·3	13·0	13·3	12·3	13·5	14·2	13·5	13·9	13·0	13·5	...	13·5	3
4	14·0	14·0	14·0	13·7	12·7	13·3	13·7	12·7	13·7	14·0	13·8	14·0	13·0	13·7	...	13·7	4
5	14·7	14·3	14·2	14·0	13·8	13·7	14·0	13·5	14·0	14·0	14·2	14·0	13·0	14·0	...	14·1	5
6	15·7	15·5	15·0	15·3	14·5	14·0	15·0	14·0	14·5	15·5	15·7	15·5	13·7	14·3	...	14·6	6
7	16·5	17·7	17·7	18·0	17·0	16·0	18·0	15·0	16·7	17·0	16·8	18·0	15·0	16·0	...	15·9	7
8	18·0	18·0	18·0	19·0	18·0	16·0	18·3	16·0	18·0	17·5	16·2	18·0	15·5	15·0	...	16·2	8
9	16·0	16·3	17·8	18·0	19·0	15·8	18·7	15·5	17·3	15·7	16·0	16·3	14·3	14·0	...	15·5	9
10	14·0	15·0	16·2	16·5	18·0	14·3	18·0	14·2	15·3	14·3	13·5	14·2	14·0	12·0	...	14·2	10
11	12·7	14·0	14·3	14·0	16·0	13·0	15·5	13·8	14·0	13·3	12·2	13·0	12·0	12·0	...	12·7	11
Noon	11·5	11·5	12·2	12·0	12·7	12·0	13·5	12·0	13·5	12·3	10·5	10·2	11·0	12·0	...	11·1	Noon
13h	9·5	8·5	10·5	9·0	10·5	11·7	11·0	9·5	12·0	10·2	7·0	8·5	11·0	11·0	...	9·4	13h
14	9·2	8·2	10·0	7·5	9·3	10·0	9·5	7·8	10·3	8·3	6·0	8·0	10·5	10·0	...	8·5	14
15	10·0	9·0	10·3	7·3	8·5	10·0	9·0	8·0	10·0	8·5	7·5	9·0	11·3	10·0	...	8·8	15
16	11·5	10·2	11·0	8·3	9·7	9·7	10·2	8·3	10·0	10·0	9·3	10·0	11·5	10·7	...	9·9	16
17	13·2	12·2	12·5	11·7	11·7	10·2	12·0	10·3	10·8	11·8	11·3	12·2	12·0	12·5	...	11·6	17
18	13·3	13·5	13·8	13·0	12·5	11·7	13·8	10·7	11·7	12·0	12·2	13·0	12·3	13·5	...	12·5	18
19	12·8	12·7	13·3	12·2	12·3	12·0	12·3	11·7	13·0	12·3	12·1	12·3	12·5	12·7	...	12·5	19
20	12·5	12·7	13·0	12·5	12·7	12·3	12·7	12·3	12·5	12·2	12·0	12·3	12·3	12·3	...	12·7	20
21	13·0	13·0	13·0	13·0	13·0	12·7	12·7	14·0	12·3	12·2	12·0	12·3	12·5	12·2	...	12·8	21
22	12·5	12·7	13·0	13·8	13·3	13·3	13·0	13·7	13·5	12·5	12·2	12·3	12·7	12·2	...	13·0	22
23	12·7	12·7	13·0	13·2	13·3	13·3	13·3	14·0	15·0	13·0	12·5	12·3	13·0	12·3	...	13·1	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 1925.

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	884	893	880	890	893	900	895	900	892	...	...	870	878	873	860	870	Midnight
1h	893	898	890	889	892	900	896	895	880	...	...	870	879	874	860	874	1h
2	895	900	887	889	892	900	896	902	870	...	..	871	880	878	870	892	2
3	900	900	891	890	895	902	900	900	870	...	...	870	878	875	870	881	3
4	900	890	892	890	895	901	900	900	868	...	...	876	877	877	870	877	4
5	902	889	895	891	895	901	900	901	868	...	...	871	881	874	869	874	5
6	920	890	894	891	900	900	900	905	862	...	...	875	892	875	865	872	6
7	920	891	890	896	897	903	899	900	870	...	...	879	905	873	873	875	7
8	907	894	888	895	897	904	900	900	860	...	...	885	914	880	870	876	8
9	910	901	888	900	897	909	905	907	851	...	...	898	920	882	890	879	9
10	910	902	879	901	900	910	911	915	853	...	...	907	915	900	892	883	10
11	915	903	873	897	900	910	919	919	858	...	...	905	909	914	892	890	11
Noon	900	905	878	890	906	910	920	925	860	...	...	902	910	910	890	890	Noon
13h	900	914	886	890	912	910	920	925	863	...	...	901	910	910	888	893	13h
14	900	909	889	891	907	905	914	920	865	...	...	896	902	905	882	891	14
15	880	901	885	894	898	900	910	910	860	...	...	889	898	888	875	885	15
16	890	903	882	896	895	898	900	909	859	...	...	885	888	876	860	880	16
17	880	901	884	898	897	891	898	902	861	...	...	880	873	865	860	871	17
18	880	899	885	898	900	895	893	900	856	...	...	875	867	860	860	873	18
19	880	902	890	895	900	892	896	898	840	...	...	872	861	850	862	875	19
20	880	908	889	893	896	897	900	899	844	...	...	875	859	830	870	876	20
21	879	885	886	895	897	899	896	897	840	...	...	876	857	830	863	876	21
22	886	890	889	892	897	898	900	906	830	...	...	880	864	850	860	876	22
23	888	880	889	890	898	896	900	900	822	...	...	880	870	855	865	875	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	·22000 + (C.G.S. UNIT.)																
Midnight	880	885	889	893	886	891	900	900	910	910	902	911	910	910	...	891·2	Midnight
1h	880	885	891	890	889	891	900	906	910	909	905	912	910	910	...	892·1	1h
2	877	883	895	892	892	893	902	906	909	905	910	912	911	911	...	893·6	2
3	880	881	895	892	890	895	905	906	905	904	904	919	911	910	...	893·5	3
4	880	881	893	895	889	897	906	910	900	903	901	916	911	919	...	893·4	4
5	880	880	895	896	891	897	909	905	905	901	901	915	911	920	..	893·5	5
6	880	880	894	897	899	897	910	910	910	905	903	921	914	925	...	895·9	6
7	880	885	890	899	903	905	919	920	920	907	906	926	919	930	...	899·3	7
8	883	890	899	901	904	910	921	921	920	903	911	927	922	935	...	900·6	8
9	890	894	901	910	901	911	929	915	922	901	915	929	927	940	...	904·4	9
10	895	900	909	916	905	914	936	919	922	915	929	931	939	940	...	908·9	10
11	900	894	906	910	905	920	939	927	920	912	930	927	940	946	...	910·0	11
Noon	900	890	900	904	910	921	933	922	910	916	930	920	935	935	...	907·9	Noon
13h	900	894	900	909	910	923	927	920	910	913	929	919	921	940	...	908·5	13h
14	895	896	906	911	908	928	920	917	900	916	920	915	913	933	...	905·5	14
15	889	892	905	903	907	920	919	917	899	910	912	910	909	930	...	899·8	15
16	880	890	905	890	905	910	909	921	900	908	903	905	907	930	...	895·9	16
17	871	888	902	885	900	909	900	920	901	910	904	905	910	925	...	892·5	17
18	873	886	896	885	891	903	897	930	897	905	902	903	909	920	...	890·6	18
19	875	882	890	888	896	901	897	914	896	903	905	902	910	920	...	889·0	19
20	879	881	891	887	897	904	894	900	900	900	907	901	910	919	...	888·8	20
21	880	880	890	883	891	901	900	889	900	901	903	900	909	917	...	886·4	21
22	881	886	890	889	891	900	900	900	905	905	903	901	909	916	...	889·1	22
23	881	889	893	889	894	900	900	905	910	902	909	904	910	915	...	889·6	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).

NOVEMBER 1925.

·29000 + (C.G.S. UNIT).

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	840	841	840	841	840	840	840	840	839	851	848	846	843	845	849	843	Midnight
1h	840	840	840	840	840	840	840	840	841	850	850	846	843	845	850	843	1h
2	840	840	840	840	840	840	840	841	843	850	850	847	843	845	846	842	2
3	840	840	840	840	840	840	840	841	843	848	850	847	843	845	847	843	3
4	841	840	840	840	840	840	840	841	845	850	850	847	844	846	848	846	4
5	842	841	840	840	840	840	840	841	845	850	850	848	846	847	850	847	5
6	843	843	841	842	841	841	841	842	845	850	850	849	847	849	851	849	6
7	849	849	848	848	842	843	843	848	845	850	850	849	847	850	852	849	7
8	851	850	850	850	842	845	842	849	846	851	844	848	840	844	850	845	8
9	853	847	849	850	843	845	840	849	840	850	840	845	838	833	845	840	9
10	849	838	845	849	841	842	831	845	838	848	840	842	834	826	840	831	10
11	839	830	835	846	835	838	827	839	837	849	840	842	832	818	840	828	11
Noon	833	822	825	838	829	832	822	830	836	845	840	842	834	819	838	823	Noon
13h	824	816	819	830	820	827	817	825	836	842	838	837	834	820	834	820	13h
14	820	818	818	823	820	827	818	825	835	842	840	835	835	823	834	820	14
15	825	821	822	820	826	829	820	830	837	841	847	839	835	830	837	827	15
16	822	829	832	822	831	832	827	832	839	842	853	840	838	838	840	830	16
17	839	835	838	830	838	834	832	837	840	845	854	843	842	843	844	837	17
18	840	839	840	835	839	835	837	838	843	844	851	843	845	843	844	840	18
19	840	839	840	838	840	838	838	838	843	847	849	844	847	848	843	840	19
20	840	839	840	838	840	838	838	838	843	848	848	843	846	849	847	840	20
21	841	841	840	839	840	839	838	838	843	848	848	843	849	850	844	841	21
22	842	845	841	840	840	839	839	838	848	850	848	842	847	849	846	842	22
23	843	843	840	840	840	840	840	839	850	845	848	842	850	848	846	842	23

·29000 + (C.G.S. UNIT).

Hour. / Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
Midnight	840	842	840	840	840	840	840	842	841	841	843	847	849	852	...	842·8	Midnight
1h	840	841	840	840	840	840	840	842	842	842	843	847	849	852	...	842·9	1h
2	840	841	840	840	840	840	840	841	842	842	843	847	849	851	...	842·8	2
3	840	840	840	840	840	840	840	842	842	843	844	848	850	852	...	842·9	3
4	842	841	840	840	840	840	841	843	843	843	846	849	850	853	...	843·6	4
5	843	842	841	840	841	840	841	844	844	845	848	849	851	854	...	844·3	5
6	846	846	842	843	843	841	844	847	848	847	850	851	852	858	...	846·1	6
7	850	850	849	849	848	847	850	849	853	852	852	857	853	860	...	849·4	7
8	850	850	848	850	849	847	850	850	853	850	848	853	850	858	...	848·4	8
9	847	842	846	846	844	844	846	846	850	845	845	851	849	855	...	845·4	9
10	844	838	839	837	842	845	841	844	838	840	845	852	846	855	...	841·5	10
11	840	837	832	830	832	845	835	846	835	838	838	848	848	852	...	837·7	11
Noon	838	832	829	828	832	845	832	843	834	837	828	840	844	848	...	833·9	Noon
13h	832	827	826	824	823	841	829	838	832	832	820	840	844	844	...	829·7	13h
14	832	823	823	825	827	834	829	836	830	831	820	840	839	842	...	828·8	14
15	833	823	822	828	829	832	830	838	832	832	825	844	834	842	...	831·0	15
16	837	825	825	830	830	833	833	839	833	837	834	848	834	843	...	834·3	16
17	840	830	821	836	834	835	838	839	837	840	842	852	840	848	...	839·1	17
18	840	836	836	838	830	838	840	840	839	841	843	852	845	850	...	841·0	18
19	840	837	835	837	835	838	838	840	841	842	843	850	849	850	...	841·6	19
20	840	839	838	838	835	838	839	840	840	842	842	850	850	850	...	841·9	20
21	842	840	839	840	837	838	839	842	841	842	842	850	851	851	...	842·5	21
22	843	840	840	840	838	839	840	842	841	843	842	850	852	852	.	843·3	22
23	843	840	840	840	839	839	841	842	842	843	842	850	852	853	...	843·4	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of NOVEMBER 1925.

Month and 1925	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	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 of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees.	Wind. Velocity.	Highest.	Lowest.	Range.				
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
Nov. 1	968·5	22·8	3·9	16·0	65	18·0	292	5·5	23·3	14·2	9·1	2·6	0·0	9·8	77
2	968·4	21·9	3·8	15·2	66	17·1	303	5·3	22·8	14·6	8·2	4·6	0·0	7·8	61
3	969·0	23·4	3·4	17·5	69	19·8	259	1·9	24·8	16·5	8·3	5·1	0·0	6·3	49
4	969·9	23·8	3·2	18·3	71	20·8	270	4·5	25·3	18·7	6·6	5·0	0·0	11·0	86
5	970·3	21·9	2·3	17·9	78	20·3	281	5·8	23·9	16·7	7·2	8·0	3·0	9·2	71
6	970·7	22·9	3·1	17·5	72	19·8	281	6·0	24·6	17·8	6·8	4·7	0·0	11·1	86
7	969·9	23·9	3·0	18·7	73	21·4	247	5·0	25·0	16.8	8·2	5·9	0·0	6·5	50
8	969·2	23·6	2·8	18·8	75	21·5	236	3·8	24·1	18·2	5·9	6·0	1·4	4·8	37
9	968·8	23·1	3·9	16·3	66	18·4	281	2·7	23·3	56·5	6·8	5·4	11·7	6·3	49
10	969·4	23·1	3·1	17·7	72	20·1	303	4·5	24·3	16·4	7·9	4·7	0·1	7·5	58
11	969·2	23·0	2·7	18·3	75	20·8	281	6·6	24·0	17·2	6·8	7·0	0·0	7·9	61
12	968·7	22·6	3·3	16·9	70	19·0	281	6·8	22·8	18·1	4·7	7·4	0·7	3·0	23
13	968·7	20·7	1·9	17·3	81	19·6	281	6·8	23·4	17·8	5·6	9·5	6·7	6·3	48
14	969·6	21·3	1·6	18·5	84	21·1	270	6·5	23·5	16·8	6·7	5·4	1·0	9.9	76
15	969·5	22·9	3·6	16·6	68	18·7	259	6·5	24·7	17·4	7·3	6·1	1·3	8.7	67
16	968·8	24·9	3·7	18·5	68	21·1	259	3·6	24·9	17·9	7·0	4·6	0·0	4·7	36
17	967·2	23·5	4·6	15·5	61	17·4	281	3·2	23·7	17·2	6·5	4·9	0·5	6·2	48
18	965·3	23·2	4·3	15·7	63	17·7	303	4·5	25·5	14·4	11·1	4·2	0·0	8·3	63
19	965·6	24·9	4·8	16·7	60	18·8	270	0·6	25·8	16·6	9·2	5·1	0·0	7·6	58
20	...	..	...	...	...	...	225	0·6	23·1	17·0	6·1	6·7	0·0	3.6	28
21	966·2	22·1	1·6	19·3	84	22·2	292	7·2	22·4	16·7	5·7	9·9	48·2	4·4	34
22	965·8	20·0	1·1	18·0	88	20·4	315	11·0	21·1	17·3	3·8	8·7	5·5	6·8	52
23	966·7	20·2	1·1	18·2	88	20·7	303	9·5	20·6	16·3	4·3	9·9	7·2	2·9	22
24	966·7	20·6	1·6	17·8	84	20·2	292	4·7	20·7	16·8	3·9	10·0	9·5	0·2	2
25	964·4	21·1	0·5	20·2	94	23·4	270	4·0	21·8	18·3	3·5	10·0	6·2	2·8	21
26	962·3	22·2	0·2	21·8	98	25·9	259	7·3	23·5	19·6	3·9	10·0	20·5	0·9	7
27	963·7	23·8	1·2	21·7	88	25·7	236	5·5	24·7	19·2	5·5	6·2	41·0	7·4	56
28	966·9	24·6	2·7	20·0	76	23·2	247	1·3	27·1	17·8	9·3	3·5	0·0	11·0	83
29	967·3	20·9	0·5	20·0	95	23·2	247	2·2	22·7	20·3	2·4	8·5	28·0	0·1	1
30	966·9	24·0	1·3	21·8	88	25·9	236	3·5	25·7	19·0	6·7	6·6	53·0	6·4	48
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	967·7	22·7	2·6	18·2	76·6	20·8	279°	4·5	23·8	17·3	6·5	6·5	Sum 245·5	6·31	48·6
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.	Atmospheric Presssure	+42·1 mbs
	Temperature of the Air	+ 3·5 C.
	Vapour Tension	+ 0·2 mbs
	Relative Humidity	+14·2 %
	Direction of Wind	3.5 E*
	Velocity of Wind	— 0·2 mps.
	Amount of cloud	+ 0·1

Amount of rain	—100·2 m.m.
Duration of sunshine	+20.6 hrs.
Mean of highest temperatures	+3·9 C.
Mean of lowest temperatures	+3·1 C.
Absolute highest temperature	+2·7 C.
Absolute lowest temperature	+0·8 C

* South (0); West (8); N (16); East (24)

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1925.

Month and Day 1925.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
Nov.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1010·1	− 0·5	26·4	15·0	11·4	21·2	− 1·9	3·6	14·8	− 2·2	67	− 2	16·7	10·9	0·0	...	8·0	4·3
2	1009·8	− 0·7	27·3	16·8	10·5	21·9	− 1·2	3·5	15·8	− 1·2	68	− 1	17·8	12·4	0·0	...	7·6	4·2
3	1010·7	+ 0·3	29·1	18·8	10·3	23·4	+ 0·2	2·9	18·4	+ 1·3	74	+ 5	21·0	15·6	9·2	30	10·2	5·0
4	1011·3	+ 1·0	27·9	21·6	6·3	24·1	+ 0·9	2·9	19·1	+ 2·0	74	+ 5	21·9	19·8	0·0	..	7·0	4·5
5	1011·9	+ 1·6	28·1	21·2	6·9	24·0	+ 0·7	3·3	18·3	+ 1·1	71	+ 2	20·8	19·1	0·0	...	7·5	5·5
6	1012·1	+ 1·9	27·5	21·0	6·5	23·6	+ 0·3	3·3	17·9	+ 0·7	71	+ 2	20·3	18·6	0·2	5	8·2	3·3
7	1011·4	+ 1·3	28·9	21·2	7·7	24·5	+ 1·1	2·9	19·5	+ 2·2	74	+ 5	22·4	18·1	0·0	...	7·4	3·4
8	1010·7	+ 0·6	28·9	20·7	8·2	24·1	+ 0·7	3·2	18·6	+ 1·3	71	+ 3	21·2	15·6	0·0	...	8·0	5·0
9	1010·4	+ 0·4	28·1	18·9	9·2	23·4	− 0·1	3·5	17·3	− 0·1	69	+ 1	19·6	15·1	0·0	...	7·6	4·7
10	1010·9	+ 0·9	27·9	19·4	8·5	23·9	+ 0·3	3·5	17·9	+ 0·5	69	+ 1	20·3	15·8	0·0	...	8·0	6·0
11	1010·5	+ 0·6	28·1	22·2	5·9	24·6	+ 1·0	3·8	18·1	+ 0·6	67	− 1	20·6	20·0	0·0	...	8·4	7·9
12	1010·1	+ 0·3	27·0	20·5	6·5	23·4	− 0·3	3·1	18·0	+ 0·5	72	+ 4	20·4	18·5	7·5	55	9·5	9·3
13	1010·0	+ 0·2	26·9	20·4	6·5	23·3	− 0·4	3·2	17·7	+ 0·1	71	+ 3	20·1	18·8	7·5	90	10.5	8·3
14	1011·2	+ 1·5	27·2	21·0	6·2	23·6	− 0·2	3·2	18·1	+ 0·5	72	+ 4	20·6	18·8	0·8	15	6·8	4·8
15	1011·5	+ 1·8	28·0	21·7	6·3	24·2	+ 0·4	3·6	18·0	+ 0·3	68	0	20·4	19·5	0·0	...	7·8	4·5
16	1010·2	+ 0·6	28·0	21·0	7·0	23·7	− 0·2	3·0	18·5	+ 0·8	73	+ 4	21·1	16·8	0·0	...	6·9	5·1
17	1008·4	− 1·1	27·9	19·6	8·3	23·2	− 0·7	3·5	17·1	− 0·7	69	0	19·3	14·7	0·0	...	8·0	5·1
18	1007·3	− 2·2	29·1	16·7	12·4	23·4	− 0·6	3·8	16·8	− 1·1	66	− 3	18·9	13·5	0·0	...	9·0	4·5
19	1007·5	− 1·9	29·2	18·9	10.3	24·3	+ 0·2	3·4	18·5	+ 0·6	70	+ 1	21·1	15·1	0·0	...	8·0	5·2
20	1007·4	− 1·9	28·8	20·0	8·3	23·8	− 0·3	2·3	19·8	+ 1·8	79	+ 10	22·9	17·5	15.0	185	8·0	6·8
21	1007·4	− 1·9	27·1	21·6	5·5	23·7	− 0·5	2·6	19·2	+ 1·2	76	+ 7	22·0	19·1	0·8	20	5·8	8·6
22	1008·3	− 0·9	26·1	20·3	5·8	22·6	− 1·7	2·7	17·9	− 0·2	75	+ 6	20·3	18·8	0·3	15	6·5	7·9
23	1008·7	− 0·4	26·3	20·0	6·3	22·3	− 2·0	2·6	17·7	− 0·5	75	+ 6	20·1	18·6	1·3	110	5·3	9·7
24	1007·7	− 1·3	25·3	20·4	4·9	22·2	− 2·2	1·5	19·6	+ 1·3	85	+ 16	22·6	19·3	1·7	110	6·7	9·6
25	1005·8	− 3·2	25·9	21·4	4·5	23·2	− 1·2	1·4	20·8	+ 2·5	87	+ 18	24·3	19·7	4·4	195	3·6	9·3
26	1003·1	− 5·8	27·0	22·8	4·2	24·5	0·0	1·1	22·6	+ 4·2	89	+ 20	27·1	22·9	24·0	380	3·0	10·0
27	1005·5	− 3·4	28·3	21·5	6·8	25·1	+ 0·5	1·7	22·2	+ 3·7	84	+ 15	26·5	17·9	0·7	20	7·0	8·1
28	1008·0	− 0·8	29·8	20·0	9·8	25·1	+ 0·5	2·7	20·5	+ 1·9	76	+ 6	23·9	18·4	0·0	...	7·2	3·5
29	1007·9	− 0·8	25·9	22·9	3·0	24·2	− 0·5	0·9	22·7	+ 4·0	91	+ 21	27·3	22·1	71·0	390	2·9	9·7
30	1008·3	− 0.3	28·9	23·0	5·9	25·2	+ 0·5	1·9	22·0	+ 3·2	83	+ 13	26·2	21·1	0·9	10	9·9	5·8
Mean	1009·1	− 0·5	27·7	20·4	7·3	23·7	− 0·2	2·8	18·8	+ 1·0	74·5	+ 5·7	21·6	17·7	Sum 145·3	Sum 1630	7·3	6·3
Aver.	1009·6	...	28·7	19·6	9·1	23·9	...	3·6	17·8	...	68·8	...	20·2	16·5	40·2	744	6·7	4·9
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF NOVEMBER 1925.

During the month of November, pressure was generally above average for the first fortnight and below, for the second.

Temperature was, in the mean, about normal while the percentage of relative humidity was generally above average. Between the 24th and the 29th, the weather conditions were such as are generally associated with the passage of an extra tropical depression southward. Heavy rains attended this disturbance.

Wind velocity was considerably above normal between the 21st and the 26th but decreased, as usual in such types of weather, with decreasing pressure. In the mean, wind velocity was 0.26 mps. above average.

The amount of cloud was markedly above normal and the percentage of possible sunshine below.

At the Observatory, rainfall was 261% above normal and its duration 119% above normal. The percentage variation for the different districts of the Island was as follows:—

Northern Districts	River System 1,	219% above	Western Districts	River System 11	321% above
Eastern Districts	,, ,, 2, 3, 4,	349% ,,		,, ,, 12	254% ,,
South-Eastern Districts	,, ,, 5 & 6	423% ,,		,, ,, 13	231% ,,

March 3 1926

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1925.

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
Nov.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	5·2	41	− 1·9	+ 2·3	50	3·0	3·1	− 0·4	24·7	24·5	25·1	24·7	...	24·1	23·5	f .
2	6·3	49	− 1·4	+ 2·2	57	2·6	2·6	− 0·9	24·7	24·7	25·0	24·4	...	24·0	23·8	f : c : f .
3	8·2	64	− 0·3	+ 1·8	80	1·8	2·4	− 1·1	24·7	24·5	24·9	24·6	...	24·6	24·7	b : c : cp : c .
4	12·1	95	− 0·6	+ 3·6	80	3·6	3·8	+ 0·3	24·7	24·7	25·0	25·4	...	25·5	25·7	c : cq : f .
5	11·5	89	− 1·2	+ 4·7	76	4·8	4·9	+ 1·4	24·7	24·7	25·1	25·8	...	25·8	25·7	f : fq : f .
6	11·9	92	− 0·4	+ 3·8	84	3·8	4·0	+ 0·5	24·7	24·5	25·2	25·8	...	25·8	25·7	f : cq : f .
7	11·1	86	+ 0·4	+ 3·2	97	3·2	3·4	0·0	24·7	24·7	25·4	25·9	...	26·2	26·3	b : f .
8	8·4	63	+ 0·6	+ 2·6	103	2·6	2·7	− 0·7	24·7	24·5	25·6	26·3	...	26·5	26·5	b : f : c : b .
9	5·8	45	− 0·7	+ 1·7	68	1·8	2·1	− 1·3	24·7	24·7	25·7	26·4	...	26·0	25·6	b : c : f .
10	8·6	67	− 1·6	+ 3·1	63	3·5	3·5	+ 0·1	24·7	24·7	25·8	26·1	...	25·7	25·6	b : c : f .
11	8·7	67	− 1·5	+ 4·8	73	5·0	5·1	+ 1·7	24·7	24·6	25·8	26·1	...	26·1	26·3	c : cq .
12	2·2	17	− 1·1	+ 4·9	77	5·0	5·1	+ 1·7	24·7	24·8	25·9	26·3	...	26·0	25·7	cq : ogpq .
13	5·7	44	− 1·3	+ 6·0	78	6·1	6·3	+ 2·9	24·7	24·7	25·9	26·0	...	25·4	24·7	ogpq : cq : f .
14	9·5	73	− 0·1	+ 4·9	89	4·9	5·0	+ 1·6	24·7	24·7	25·9	25·7	...	25·3	25·0	f : cpq : cq . f .
15	10·9	84	+ 0·1	+ 4·3	91	4·3	4·5	+ 1·1	24·7	24·9	25·8	25·8	...	25·6	25·5	f : cq : f .
16	7·4	57	0·0	+ 3·1	90	3·1	3·3	− 0·1	24·7	24·9	25·8	26·0	...	25·8	25·9	f : c : f .
17	6·9	53	− 0·5	+ 2·8	80	2·8	2·9	− 0·5	24·7	24·8	25·9	26·1	...	25·8	25·6	b : c : b .
18	9·9	76	− 0·4	+ 2·3	80	2·3	2·6	− 0·8	24·7	24·9	26·0	26·0	...	25·7	25·6	b : f : c .
19	10·4	79	+ 0·2	+ 1·7	97	1·7	1·9	− 1·5	24·7	24·9	26·0	26·4	...	26·4	26·5	f : c : f .
20	3·4	26	− 0·4	+ 0·8	63	0·9	1·6	− 1·8	24·7	24·9	26·1	26·7	...	26·6	26·3	b c : ogp .
21	3·6	28	− 2·0	+ 2·8	54	3·5	3·6	+ 0·2	24·7	24·9	26·2	26·5	...	26·2	26·0	c : og : ogpq .
22	7·8	60	− 3·4	+ 4·4	52	5·6	5·6	+ 2·2	24·7	25·0	26·2	26·1	...	25·7	25·4	cpq : cq .
23	2·2	17	− 3·1	+ 5·7	61	6·5	6·6	+ 3·2	24·7	24·9	26·1	25·7	...	25·0	24·5	cpq : ogq .
24	0·9	7	− 1·7	+ 3·8	66	4·1	4·2	+ 0·8	24·7	25·0	26·0	25·3	...	24·7	24·4	ogpq : ogq : c .
25	2·5	19	− 1·5	+ 4·1	70	4·3	4·5	+ 1·1	24·7	25·1	25·8	25·2	...	24·9	24·8	c : ogpq : og .
26	3·0	23	+ 1·2	+ 4·9	104	5·0	5·3	+ 1·9	24·8	25·1	25·8	25·4	...	25·2	25·4	ogr : ogpq : og .
27	5·3	40	+ 2·4	+ 1·2	153	2·7	3·0	− 0·4	24·8	25·1	25·8	25·8	...	25·8	26·0	ogp : cg : c .
28	12·0	91	+ 0·7	+ 2·2	108	2·3	2·7	− 0·7	24·7	25·1	25·8	26·1	...	26·1	26·6	b : f .
29	0·0	0	+ 0·4	+ 1·6	104	1·6	1·8	− 1·6	24·8	25·1	26·0	26·6	...	26·4	26·2	ogr : ogp : c .
30	8·9	67	+ 0·9	+ 2·2	112	2·4	2·4	− 1·0	24·7	25·1	26·1	26·4	...	26·3	26·5	cp : c .
...	...	...	..	...	...	..	...	...	...	...	...	...		...	...	
Mean	7·01	54·0	−0·61	+3·25	79·4	3·31	3·68	+0·26	24·71	24·82	25·72	25·81	...	25·65	25·53	...
Average	8·79	67·5	−0·25	+2·63	84·6	2·64	3·42	...	24·42	24·84	...	...	...	26·48	26·65	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF NOVEMBER 1925.

Element	Highest		Date	Lowest		Date
Atmospheric Pressure	1013·3mbs	at 22h	on 5th	1001·9mbs	at 16h	on 26th
Temperature of the Air	29·8C	at 13h45m	on 28th	15·0	at 2h20	on 1st
Daily range of temperature of the Air...	12·4C	...	on 18th	3·0C	...	on 29th
Temperature of the Dew Point	24·0C	at 10h	on 27th	12·6C	2h	on 1st
Daily range of temperature of the Dew Point	4·9C	...	on 3rd	1·6C	...	on 6th & 30th
Relative humidity...	96·0%	at 23h	on 26th	47·9%	at 10h	on 9th
Wind Velocity	10·5 m.p.s.	at 14h	on 23rd	often	often	often
Rainfall	71·8mm.	ending 1h	on 30th	...	...	...
Temperature of the soil at 3 ins. ...	28·7C	at 18h,	on 28th,	21·7C	at 6h	on 1st & 2nd
,, ,, at 6 ins. ...	27·5C	at 18h	on 20th	23·1C	at 9h	on 2nd
Duration of sunshine...	12·1 hrs.	...	on 4th	0·0 hrs.	...	on 29th
Amount of Evaporation in 24 hours	10·5 mm.	...	on 13th	2·9 m.m.	...	on 29th,
Vapour Tension	29·5mbs	at 10h	on 27th	14·5 mbs	at 2h	on 1st
Minimum on Grass	...	...	...	10·9C	...	on 1st

Number of Days Overcast, 11, Clear 0, of Rain 15, of Lightning 0, of Thunderstorm 0

Mean Day Temperature of Air 25·58C Average 26·34C, Mean Night Temperature of Air 21·75C Average 21·30C

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

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 1925.

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

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
Midnight	0115	0103	0111	0122	0124	0128	0123	0119	0104	0113	0114	0106	0108	0110	0121	0119	Midnight
1h	0110	0098	0110	0115	0120	0121	0117	0111	0101	0108	0105	0100	0102	0103	0113	0111	1h
2	0102	0092	0104	0111	0116	0119	0112	0108	0096	0102	0100	0095	0093	0102	0111	0107	2
3	0100	0090	0100	0109	0113	0117	0110	0103	0098	0101	0100	0097	0091	0100	0110	0101	3
4	0098	0089	0096	0108	0112	0118	0109	0100	0100	0100	0098	0096	0091	0100	0108	0099	4
5	0098	0091	0098	0108	0112	0121	0111	0104	0105	0103	0104	0098	0090	0104	0110	0099	5
6	0101	0098	0100	0113	0117	0124	0116	0108	0111	0108	0109	0099	0097	0110	0114	0102	6
7	0108	0103	0108	0117	0120	0129	0119	0111	0116	0111	0117	0102	0103	0114	0119	0106	7
8	0109	0105	0110	0117	0120	0131	0121	0116	0113	0113	0116	0105	0107	0119	0119	0109	8
9	0111	0106	0112	0118	0124	0132	0120	0115	0113	0115	0114	0114	0108	0120	0120	0110	9
10	0110	0105	0111	0117	0123	0128	0119	0114	0108	0115	0113	0112	0108	0118	0120	0110	10
11	0107	0103	0109	0115	0121	0122	0117	0112	0102	0112	0109	0101	0100	0116	0118	0108	11
Noon	0102	0097	0103	0112	0119	0117	0110	0109	0100	0110	0102	0103	0094	0114	0117	0101	Noon
13h	0097	0089	0100	0106	0112	0111	0105	0103	0092	0106	0097	0100	0091	0111	0114	0097	13h
14	0089	0088	0096	0100	0109	0109	0102	0101	0090	0098	0089	0091	0088	0103	0110	0092	14
15	0086	0088	0094	0100	0108	0108	0100	0101	0086	0095	0087	0089	0084	0101	0108	0088	15
16	0084	0084	0098	0100	0107	0107	0100	0099	0085	0097	0090	0087	0085	0100	0103	0087	16
17	0083	0087	0100	0101	0109	0110	0103	0100	0090	0101	0094	0090	0090	0105	0109	0090	17
18	0088	0093	0105	0107	0113	0116	0109	0102	0100	0108	0101	0096	0097	0110	0112	0095	18
19	0097	0099	0112	0115	0120	0121	0115	0106	0108	0114	0108	0102	0103	0115	0118	0100	19
20	0102	0107	0121	0121	0130	0127	0121	0110	0115	0118	0112	0108	0110	0124	0121	0106	20
21	0109	0113	0124	0121	0132	0130	0125	0112	0118	0121	0115	0110	0116	0130	0121	0109	21
22	0110	0114	0125	0127	0133	0129	0126	0112	0118	0120	0118	0110	0118	0130	0123	0110	22
23	0109	0113	0123	0128	0132	0131	0124	0111	0117	0118	0114	0110	0116	0128	0121	0110	23

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour
Midnight	0107	0083	0081	0081	0076	0075	0093	0092	0070	0050	0024	0085	0084	0084	...	1009·8	Midnight
1h	0099	0079	0076	0076	0073	0071	0085	0084	0063	0044	0023	0080	0080	0077	...	1009·2	1h
2	0091	0076	0073	0074	0070	0068	0080	0080	0058	0033	0022	0075	0077	0076	...	1008·7	2
3	0089	0070	0073	0073	0070	0069	0081	0080	0055	0031	0028	0072	0073	0074	...	1008·6	3
4	0088	0070	0072	0071	0069	0070	0080	0080	0053	0030	0031	0074	0072	0073	...	1008·5	4
5	0087	0070	0071	0071	0070	0071	0079	0079	0054	0031	0037	0076	0075	0075	...	1008·7	5
6	0090	0072	0074	0074	0073	0078	0084	0086	0057	0035	0042	0080	0081	0080	...	1009·1	6
7	0092	0078	0077	0077	0078	0084	0090	0089	0061	0039	0051	0087	0084	0088	...	1009·6	7
8	0095	0080	0078	0079	0081	0087	0090	0090	0063	0041	0056	0089	0088	0090	...	1009·8	8
9	0097	0078	0078	0078	0084	0088	0091	0088	0066	0043	0059	0091	0092	0091	...	1009·9	9
10	0095	0076	0076	0080	0081	0087	0090	0087	0067	0042	0061	0090	0090	0090	..	1009·8	10
11	0088	0074	0074	0078	0077	0086	0087	0085	0064	0038	0062	0088	0085	0087	...	1009·5	11
Noon	0080	0069	0069	0074	0075	0085	0085	0080	0060	0030	0060	0082	0079	0079	...	1009·1	Noon
13h	0072	0063	0067	0067	0069	0081	0080	0074	0057	0029	0058	0078	0073	0076	...	1008·6	13h
14	0067	0058	0065	0061	0065	0079	0079	0068	0051	0022	0053	0073	0070	0074	...	1008·1	14
15	0064	0057	0062	0060	0064	0077	0078	0061	0049	0020	0050	0067	0066	0071	...	1007·9	15
16	0065	0058	0063	0060	0063	0076	0077	0060	0048	0019	0051	0064	0064	0070	...	1007·8	16
17	0068	0061	0067	0065	0066	0080	0081	0060	0050	0020	0055	0067	0068	0071	...	1008·1	17
18	0071	0070	0071	0073	0071	0085	0086	0062	0051	0020	0061	0072	0071	0079	...	1008·7	18
19	0078	0077	0078	0077	0075	0095	0094	0068	0057	0029	0071	0080	0077	0087	...	1009·3	19
20	0081	0080	0086	0080	0080	0098	0099	0070	0060	0031	0077	0085	0084	0091	...	1009·8	20
21	0086	0086	0089	0080	0081	0100	0101	0074	0063	0032	0086	0089	0088	0098	...	1010·2	21
22	0088	0088	0091	0082	0081	0101	0100	0076	0062	0029	0089	0090	0091	0100	...	1010·3	22
23	0089	0087	0088	0081	0080	0100	0098	0074	0060	0028	0090	0089	0090	0100	...	1010·2	23

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

Hour. \ Day.	NOVEMBER 1925.																															
	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	0	0	8	3	0	1	0	1	1	8	8	10	2	0	1	2	0	6	1	8	8	9	10	8	10	10	2	6	8	...	4·4
1h	1	0	1	7	3	1	1	0	1	2	9	8	10	3	0	2	1	0	5	1	7	6	8	10	9	10	10	1	9	6	...	4·4
2	2	0	1	6	4	2	1	1	1	2	9	8	10	2	0	1	0	0	5	1	7	6	9	10	9	10	10	1	10	5	..	4·4
3	2	0	1	4	4	3	2	2	1	2	10	8	10	3	1	0	1	0	5	1	5	4	9	10	9	10	10	1	10	4	..	4·4
4	2	0	1	4	8	2	2	2	1	2	8	8	10	5	1	2	2	0	4	2	3	4	9	10	8	10	10	1	10	5	...	4·5
5	2	1	1	5	8	2	2	3	1	2	7	7	10	7	2	4	4	1	3	3	3	3	10	10	8	10	10	1	10	6	...	4·9
6	2	2	1	5	9	3	3	4	2	6	9	9	10	8	4	9	8	1	4	8	9	9	9	10	7	10	4	1	10	5	...	6·0
7	2	2	2	7	7	4	4	4	2	5	9	9	10	9	5	9	7	1	4	9	9	9	10	10	8	10	6	1	10	6	...	6·3
8	5	4	6	7	6	5	3	5	5	7	6	9	10	8	8	7	7	3	5	7	9	9	10	10	9	10	9	3	10	7	...	7·0
9	7	8	6	6	6	6	3	7	6	7	5	9	10	7	9	7	7	2	6	5	9	8	10	10	9	10	10	3	10	7	...	7·2
10	7	9	7	6	7	6	4	7	7	7	5	9	9	7	9	6	7	3	7	7	9	9	10	10	9	10	10	3	10	7	...	7·4
11	7	9	5	6	7	6	4	8	7	8	7	10	9	8	9	6	6	5	8	8	9	9	10	10	10	10	10	5	10	7	...	7·8
Noon	9	7	3	6	7	5	5	8	8	9	7	10	7	5	9	6	7	3	9	8	9	10	10	10	10	10	9	5	10	7	...	7·6
13h	9	8	5	5	7	6	6	8	7	9	7	10	7	6	9	7	8	5	9	7	10	9	10	10	10	10	8	6	10	8	...	7·9
14	9	9	5	3	7	6	7	9	7	8	7	10	8	6	9	7	8	6	8	7	10	9	10	10	10	10	8	5	10	8	...	7·9
15	9	8	9	5	9	6	7	9	7	8	9	10	9	5	9	8	9	9	7	8	10	10	10	10	10	10	7	5	10	9	...	8·4
16	8	7	9	5	8	5	7	9	8	9	9	10	9	6	8	8	9	9	6	8	10	10	10	10	10	10	8	5	10	8	...	8·3
17	5	8	9	4	6	4	8	9	9	9	9	10	9	7	6	9	9	9	7	10	10	9	10	9	10	10	9	4	10	6	..	8·1
18	4	9	9	3	6	2	4	9	9	9	9	10	9	4	4	9	9	9	5	10	10	9	10	10	10	10	8	4	10	4	...	7·6
19	4	6	8	2	5	2	3	8	8	8	9	10	9	3	3	5	8	9	4	10	10	8	10	10	10	10	7	9	10	4	...	7·1
20	3	2	6	1	4	1	2	3	6	4	9	10	9	3	2	2	2	8	3	10	10	6	10	9	10	10	6	5	10	3	...	5·6
21	3	1	4	0	3	1	2	2	4	6	8	10	4	2	1	7	2	7	4	10	10	8	10	6	10	10	8	2	10	3	...	5·3
22	1	0	9	2	1	1	1	1	3	5	8	10	3	1	1	1	1	8	2	10	10	8	10	8	10	10	6	4	9	4	...	4·9
23	0	0	9	3	0	1	0	1	2	7	7	10	2	0	0	0	0	6	1	10	10	9	10	9	10	10	5	5	7	3	...	4·6

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

Hour* Ending \ Day.	NOVEMBER 1925.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total.
	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	1	0	0	0	0	0	0	0	8	10	0	0	0	0	0	0	0	3	10	0	2	8	0	0	0	0	0	0	0	10	..	0·9
7	60	59	60	55	45	58	28	46	60	45	42	10	0	0	30	25	45	60	60	10	30	60	0	0	45	0	58	45	0	25	...	17·7
8	55	60	60	60	60	59	60	55	60	60	55	45	3	25	60	52	59	60	60	0	50	58	1	0	40	0	20	60	0	55	...	21·5
9	60	60	40	55	60	60	60	60	60	52	60	38	0	15	60	60	60	60	60	50	48	30	4	0	35	0	0	60	0	47	...	20·9
10	50	55	60	60	60	60	60	55	55	48	60	12	5	60	60	60	60	60	50	45	5	58	23	1	1	6	13	60	0	40	...	20·7
11	24	30	58	60	60	60	60	58	45	12	60	0	30	59	60	60	60	60	55	0	23	52	47	0	0	50	10	60	0	22	...	19·6
Noon	0	3	59	60	60	60	60	60	14	48	58	0	55	55	60	60	60	50	60	0	15	53	15	0	0	55	7	60	0	57	...	19·1
13h	0	60	59	60	60	60	60	55	22	12	58	22	58	60	60	58	50	60	58	0	1	21	18	0	0	13	28	60	0	55	...	18·8
14	0	50	45	60	60	60	60	6	5	20	58	0	59	60	42	58	18	60	55	45	10	45	0	0	7	25	27	60	0	30	...	17·1
15	0	1	30	60	60	60	60	23	17	60	50	0	59	60	51	10	0	55	55	40	2	46	0	15	20	32	21	60	0	40	...	16·4
16	0	0	1	60	60	60	40	42	3	60	0	8	7	60	59	0	0	48	40	15	10	5	1	15	0	0	33	60	0	20	...	11·8
17	0	0	20	60	43	58	60	25	0	60	20	0	33	60	60	0	0	15	43	0	20	1	16	0	0	0	47	60	0	56	...	12·6
18	50	0	0	60	60	50	54	2	0	30	0	0	35	55	53	0	0	0	18	0	0	30	5	23	0	0	50	60	0	56	...	11·5
19	10	0	0	17	0	8	6	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	7	12	0	20	...	1·4

The total amount of registered sunshine was 210·0 hours and the total possible sunshine 390·3 hours.

* Reckoned from apparent midnight.

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 1925.

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

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

TABLE XI. (*Contd.*)—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 1925

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

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

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

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

NOVEMBER 1925.

Day / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	896	904	887	913	891	909	900	919	875	937	896	921	889	926	900	918	Midnight
1h	897	905	887	913	892	908	900	919	877	934	894	929	889	928	900	921	1h
2	897	905	886	914	885	915	900	927	882	927	893	933	893	915	900	913	2
3	895	907	886	914	887	913	900	927	883	925	894	928	891	921	900	918	3
4	893	910	884	916	889	911	900	920	879	931	889	926	889	927	900	915	4
5	891	913	885	915	887	913	900	920	879	932	893	915	889	929	900	922	5
6	893	910	892	908	885	915	900	925	884	924	892	920	890	923	900	924	6
7	881	919	885	915	886	935	900	926	878	952	887	932	900	937	900	928	7
8	884	940	877	934	900	933	900	938	900	963	879	951	908	938	913	932	8
9	866	934	875	937	900	939	908	940	900	966	886	969	917	941	915	938	9
10	881	947	885	938	908	937	909	946	888	959	900	945	917	943	913	933	10
11	864	936	882	943	906	930	909	946	887	963	911	952	918	943	919	946	11
Noon	869	931	887	932	913	934	911	952	888	961	913	966	921	951	918	944	Noon
13h	875	937	886	936	915	937	900	952	900	968	911	954	918	944	917	941	13h
14	883	941	885	937	913	932	878	954	887	964	911	953	919	946	914	934	14
15	854	946	885	924	900	925	879	952	900	959	911	953	917	941	913	934	15
16	885	915	889	929	882	873	879	951	886	967	900	943	917	941	906	931	16
17	866	934	891	921	897	894	889	952	889	955	900	943	908	938	909	922	17
18	864	924	895	925	896	890	884	939	891	945	884	940	907	935	904	921	18
19	877	915	890	915	889	911	889	916	883	943	892	938	906	928	905	925	19
20	878	914	888	912	892	908	882	927	892	941	894	928	900	918	903	917	20
21	886	914	887	913	896	921	883	926	891	943	893	936	900	923	900	910	21
22	880	920	887	913	904	918	890	949	892	939	890	923	900	920	900	911	22
23	884	916	891	909	900	917	876	936	893	933	892	920	900	918	900	918	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	900	914	883	917	887	933	886	935	883	943	891	943	900	940	891	922	Midnight
1h	900	913	887	913	888	931	885	938	910	950	886	935	891	942	891	922	1h
2	900	915	892	908	885	938	889	929	883	942	886	935	893	934	892	920	2
3	900	913	893	907	887	934	885	937	881	947	886	934	893	936	892	918	3
4	900	913	894	906	889	929	889	927	881	946	886	934	900	944	893	916	4
5	896	910	892	908	888	931	886	935	881	947	878	932	900	939	892	920	5
6	897	906	890	910	888	931	882	943	875	960	887	932	900	938	889	928	6
7	893	916	886	914	878	952	889	955	887	965	882	943	900	957	889	929	7
8	903	917	886	936	877	956	900	972	887	963	900	954	900	950	907	935	8
9	900	918	874	939	874	962	900	967	871	970	900	967	912	958	916	939	9
10	891	922	884	939	873	966	900	951	871	969	913	963	922	953	918	943	10
11	915	937	880	949	886	972	900	962	885	977	913	962	923	955	917	943	11
Noon	886	935	884	940	900	970	900	944	900	983	923	955	925	961	918	945	Noon
13h	906	928	882	943	900	954	911	952	900	979	887	963	900	948	910	950	13h
14	880	900	879	950	888	961	880	948	900	980	914	969	910	949	919	946	14
15	887	887	879	951	876	957	877	956	900	979	913	963	913	963	909	943	15
16	887	933	879	952	877	955	881	946	900	973	900	960	909	946	909	942	16
17	885	923	877	955	878	953	888	957	886	973	923	955	917	941	900	949	17
18	883	917	877	935	883	943	878	954	887	966	900	954	886	935	893	934	18
19	887	920	871	929	890	951	881	946	889	954	900	944	885	938	887	934	19
20	888	918	880	930	891	946	889	952	890	951	900	947	888	930	890	923	20
21	885	915	887	934	890	950	881	947	880	948	900	941	889	927	895	912	21
22	887	913	887	934	883	941	900	959	884	939	900	935	887	932	892	919	22
23	882	918	886	935	884	940	889	955	882	943	900	949	890	924	893	916	23

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

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

NOVEMBER 1925.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	894	913	889	917	890	914	903	916	889	900	881	929	870	930	874	939	Midnight
1h	894	913	891	912	892	911	902	912	887	900	874	926	869	931	873	941	1h
2	894	914	888	918	892	911	903	914	887	900	879	931	865	935	877	934	2
3	893	916	892	911	893	910	902	912	892	908	877	934	863	937	871	929	3
4	893	916	889	916	893	909	904	918	891	909	871	929	865	952	878	933	4
5	892	920	891	913	892	910	901	906	893	607	873	941	871	944	883	941	5
6	893	916	893	909	891	912	903	917	889	911	866	934	866	952	892	938	6
7	896	921	890	914	892	911	902	908	877	915	870	945	881	946	886	934	7
8	909	943	880	920	892	920	903	915	879	950	868	948	976	958	870	945	8
9	900	949	887	934	900	919	900	917	871	943	865	953	866	983	878	954	9
10	900	940	893	936	900	929	881	900	865	935	853	970	854	968	878	953	10
11	909	942	900	932	911	928	896	882	871	944	859	961	848	977	878	954	11
Noon	918	943	900	943	914	936	883	907	881	946	857	964	868	977	900	939	Noon
13h	909	943	932	932	920	930	905	924	880	949	863	956	871	970	889	956	13h
14	900	938	917	942	914	935	905	925	877	955	853	970	860	997	876	957	14
15	900	941	916	939	921	932	918	918	882	945	864	955	866	983	880	948	15
16	879	931	908	939	913	920	907	916	871	944	864	954	872	968	879	950	16
17	889	928	900	932	907	917	875	890	864	936	854	946	869	976	876	936	17
18	889	927	891	922	907	915	891	893	878	932	848	952	855	967	900	936	18
19	891	922	893	915	903	906	875	905	886	922	872	942	868	947	900	928	19
20	885	924	890	915	901	907	892	902	887	920	858	942	882	945	891	922	20
21	888	918	892	911	902	910	885	903	883	926	858	942	880	948	892	918	21
22	887	919	890	915	902	912	893	901	873	927	875	925	886	934	887	920	22
23	885	923	892	911	902	912	892	902	874	939	878	914	885	937	887	920	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.				Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	...	...	N.	E.	
Midnight	885	915	885	937	931	931	910	898	898	910	904	918	...	...	892	922	Midnight
1h	883	926	890	949	932	922	911	898	898	912	904	919	...	...	892	922	1h
2	881	929	889	955	923	923	911	898	898	910	903	914	...	..	892	922	2
3	881	928	890	949	911	908	912	898	907	903	903	913	...	...	891	921	3
4	879	932	900	956	907	916	907	899	906	903	902	912	...	...	891	922	4
5	883	926	900	963	907	916	915	897	913	906	903	915	...	...	892	923	5
6	887	934	900	955	908	920	918	896	908	918	903	913	...	...	892	924	6
7	883	942	900	957	910	925	900	918	892	919	907	915	...	...	890	932	7
8	879	950	900	961	923	934	900	940	900	918	918	927	...	...	894	941	8
9	878	953	912	959	918	927	914	936	903	908	918	927	...	...	894	945	9
10	891	942	923	956	942	928	900	941	904	910	918	927	...	...	896	943	10
11	900	950	923	955	944	909	915	937	894	915	914	934	...	...	899	945	11
Noon	888	959	919	947	948	900	914	935	895	911	917	941	...	...	902	945	Noon
13h	893	935	930	945	949	910	915	938	909	921	913	933	...	...	903	944	13h
14	888	958	934	952	948	920	918	944	911	927	913	933	...	...	899	947	14
15	887	965	930	946	944	918	917	941	911	927	922	932	...	...	899	944	15
16	890	949	925	925	934	914	908	940	911	929	914	934	...	...	895	939	16
17	900	948	923	934	939	900	900	944	909	921	913	933	...	...	894	937	17
18	893	936	915	937	924	895	900	932	910	923	905	925	...	...	892	932	18
19	882	944	908	941	916	897	900	924	906	915	904	920	...	...	891	928	19
20	882	943	900	954	908	898	900	919	909	922	904	918	...	...	891	926	20
21	872	941	900	950	907	899	900	918	904	918	903	914	...	...	890	926	21
22	876	936	922	952	907	899	900	918	900	920	902	912	...	...	892	925	22
23	884	940	946	946	908	898	900	913	900	922	903	914	...	...	893	925	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during NOVEMBER 1925.

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

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 1925.

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	4	0·6	4	1·8	4	1·3	8	1·9	5	4·5	7	2·2	6	2·8	8	1·8	8	1·4	4	2·4	6	3·5	6	3·8	6	4·6	7	4·4	8	4·0	0	2·4
1h	5	0·6	4	1·8	4	1·2	8	1·9	5	4·1	7	3·0	6	3·0	8	2·1	8	1·3	4	1·8	6	3·3	6	4·1	0	5·1	6	3·8	7	4·3	6	2·4
2	5	0·6	4	2·0	4	2·1	8	2·7	5	3·2	7	3·4	6	1·7	8	1·3	8	1·5	4	1·2	6	4·1	16	3·1	6	4·5	6	3·8	7	3·5	6	2·2
3	5	0·9	4	2·0	4	1·9	8	2·7	5	3·0	7	2·9	6	2·3	8	1·8	8	1·3	4	1·0	6	3·6	6	4·0	6	5·1	6	3·7	7	3·7	6	2·0
4	5	1·2	4	2·3	4	1·6	8	2·0	5	3·7	6	2·8	6	2·9	8	1·5	8	1·3	4	0·9	6	3·1	6	2·9	6	5·0	6	3·7	8	4·4	6	1·8
5	5	1·6	4	2·1	4	1·9	8	2·0	5	3·8	6	1·7	6	3·1	8	2·2	6	1·1	4	1·1	6	3·3	6	3·8	6	5·1	5	3·9	8	3·9	6	2·2
6	5	1·2	4	1·2	4	2·1	8	2·5	5	2·9	6	2·2	6	2·5	8	2·4	6	0·7	4	1·4	6	3·3	6	4·7	6	6·5	6	3·4	8	3·8	6	3·0
7	4	2·7	4	2·2	6	3·8	8	2·6	6	5·7	6	3·4	8	3·7	8	3·8	6	1·8	4	2·0	6	5·7	7	5·6	7	6·6	6	4·7	8	5·7	6	3·1
8	6	4·3	5	4·1	8	3·3	8	3·8	8	6·3	6	5·5	9	3·9	10	3·4	9	1·7	6	3·9	6	6·1	8	7·2	7	6·4	8	5·4	8	5·0	9	3·6
9	4	4·9	5	4·5	8	3·9	9	4·1	8	6·6	7	7·0	10	4·4	10	4·1	8	1·8	5	4·7	6	6·7	8	6·7	6	7·6	8	6·7	9	5·9	10	4·2
10	6	5·1	6	4·1	9	3·8	9	4·7	7	6·0	8	4·5	10	4·6	10	3·5	6	2·4	6	4·2	6	7·1	8	5·1	6	7·5	9	6·4	10	5·8	10	4·7
11	4	5·2	6	4·7	9	3·1	9	4·7	7	6·4	9	5·3	10	4·7	10	5·0	10	4·0	6	5·3	7	7·3	8	6·2	7	7·9	9	6·3	10	6·0	10	4·6
Noon	4	4·4	6	3·4	10	3·6	9	5·3	7	6·2	9	6·7	10	5·5	10	4·8	6	3·8	6	4·3	8	7·0	8	4·4	8	8·3	10	6·0	10	6·6	10	4·9
13h	5	4·5	6	3·9	10	4·0	8	5·2	8	6·8	9	5·5	10	4·8	10	4·4	9	2·9	6	4·7	8	5·4	9	5·3	8	7·9	7	6·4	8	4·8	9	5·1
14	6	4·4	6	4·0	10	3·4	6	5·9	7	6·5	9	5·4	10	5·0	10	3·7	0	2·0	6	5·4	7	6·2	6	5·2	8	8·0	9	7·0	9	5·0	10	5·0
15	4	6·6	5	2·8	8	2·5	6	5·6	8	5·9	9	5·4	10	4·4	10	3·6	r28	1·9	6	5·5	6	6·2	6	6·1	8	7·9	9	6·4	9	6·4	9	4·4
16	4	2·2	6	3·1	r27	3·2	6	5·5	7	6·8	8	4·3	10	4·4	9	3·2	6	3·5	6	5·6	6	6·0	6	5·0	8	7·3	8	6·0	9	4·7	9	4·3
17	4	4·8	6	2·3	26	0·7	7	5·3	7	5·6	8	4·3	9	3·9	10	2·4	5	2·7	6	6·0	6	5·8	7	5·8	7	7·4	10	6·0	10	4·4	8	4·9
18	3	4·4	7	2·6	26	1·1	6	4·2	7	4·6	6	4·3	9	3·6	9	2·2	4	2·4	5	4·2	6	4·6	6	5·9	7	6·7	8	5·4	6	3·8	7	3·5
19	3	2·7	5	1·8	d 4	1·6	5	1·9	6	4·6	7	3·9	9	2·9	9	2·6	5	2·4	4	4·1	7	5·2	6	5·0	7	5·5	8	4·4	6	4·1	6	3·6
20	3	2·6	4	1·7	4	1·2	5	3·3	7	4·2	7	2·9	8	1·8	9	1·7	5	2·1	5	3·6	7	4·7	7	5·3	7	5·2	8	4·7	6	3·2	6	2·5
21	4	2·0	4	1·8	7	2·2	5	3·1	7	4·4	7	3·7	8	2·3	8	1·0	4	2·1	6	3·6	7	5·1	6	5·1	6	5·2	8	4·1	6	2·9	6	1·3
22	4	2·8	4	1·8	9	1·8	7	5·0	7	4·0	6	2·5	8	2·0	8	1·1	4	1·9	6	3·6	6	4·4	8	5·9	6	4·2	8	3·5	6	3·4	6	2·1
23	4	2·3	4	1·3	8	1·7	5	4·4	7	3·4	6	2·2	8	1·8	8	1·8	4	2·6	6	3·8	6	4·3	7	5·6	6	4·7	8	4·9	6	2·6	6	1·8

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

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for NOVEMBER 1925.

Hour Ending \ Day.	1d	2d	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13d	14d	15d	16d	17d	18d	19d	20d	21d	22d	23d	24d	25d	26d	27d	28d	29d	30d	31d
	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.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	
1h	...	...	...	...	...	...	...	...	...	...	...	...	3·3	...	...	...	...	...	...	...	...	...	...	0·4	...	1·3	0·3	...	...	0·8	...
2	...	...	...	...	...	...	...	...	...	...	...	...	1·4	...	...	...	...	...	...	...	...	...	...	0·1	...	0·6	...	...	1·3	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	0·2	...	...	13·7	...	...
4	...	...	...	...	...	0.2	...	...	...	...	...	...	2·8	...	...	...	...	...	...	...	...	...	0·1	...	...	0·3	0.4	...	10·3	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	0·9	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	0·2	0·3	...	0·6	...	...	9·7	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·6	0·5	...	0·4	...	...	0·6	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	0·5	0·8	...	...	1·3	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18·2	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	...	...	...	...	1·6	...	...	...	0·7	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	5·0	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·8	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	0·3	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	0·7	...	...
16	...	...	0·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.5	...	...	2·3		...
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	0·3	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·3	...	...	...	...	...	...	...	...	0·1	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5.6	...	...	...	0·3	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.0	...	...	...	...	...	...	...	...	...	0·1	...
21	...	...	...	...	...	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	0·2	...	...	0·2	...	0.1	0·5	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	6·0	...	...	...	...	...	...	...	...	0·6	...	0·1	...	0·1	5·3	...	...	...	...	...
23	...	...	8·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	0·2	11·2	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	...	0·1	...	0·7	0·6	...	...	...	...	...

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of NOVEMBER 1925.

River System.	Register Number	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	5·40	137·2	28·4	11
	3	Belmont	50	5·72	145·3	33·5	9
	4	Poudre d'Or	20	5·86	148·8	27·7	9
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	4·13	104·8	42·2	10
	9	Beau Séjour	300	5·16	131·1	62·7	13
	10	Mont Piton	360	7·32	185·9	62·0	13
	11	Mon Choix	700	6·10	154·9	51·6	13
	12	Antoinette	640	9·96	253·0	59·4	11
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	10·20	256·5	57.4	14
	15	Mon Songe	620	7·40	188·0	70·9	14
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	5.60	142·2	48·5	13
	19	The Observatory ...	179	5·68	144·2	44·2	15
	20	Solitude§	175	...	...	...	...
	21	St. André	90	4·06	101·8	39·1	9
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	5·12	130·0	...	6
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	5·02	128·5	...	9
	49	Poudre d'Or Station§ ...	772	...	...	...	...
	50	Rivière du Rempart* ...	134	6·85	174·0	...	10
2 & 3	1	Union Régnard S.E. ...	600	10·08	254·2	68·8	18
	2	Constance d'Arifat L.G.	100	8·03	204·0	40·4	9
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	12·12	307·8	72·9	13
	5	Constance (Manès)§ ...			...	...	...
	6	Queen Victoria§ ...			...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	10·34	261·7	...	11
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ	20	9·10	231·1	39·4	9
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	11·54	293·2	66·5	13
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	.
	9	Bonne Veine*	...	17·25	438·9	...	21
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	..
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	11·65	295·9	...	13
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate* ...	...	14·92	379·0	...	10
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	15·28	388·1	109·2	20
	2	Tivoli*	1,300	20·79	528·1	...	14
	3	La Flora*	1,050	20·11	510·8	...	16
	4	Britannia	730	13·57	344·7	87·4	16
	5	Savannah (Mill)§ ...	200	...	..	...	...
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...		...
	9	St. Avold*	900	17·99	456·9		16
	10	Terracine§	100	...	...	...	...
	11	St. Félix S.E.§	...	...	...	...	...
	12	Bel Air§	..	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	13·03	330·3	...	9
	15	Fontenelle*	...	10·76	271·9	...	7
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	..	...	...
	1	Bel Ombre	40	6·18	157·0	54·4	8
7, 8 & 9	3	Beau Champ*	...	9.21	233·9	..	9
	4	Board*	...	9·24	234·7	...	8
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	15·68	396·4	114·0	17
	3	Mare aux Vacoas ...	1,850	19·73	501·1	134·9	17
	4	La Marie Filter Bed ...	1,700	16·24	411·6	61·7	19
	5	Réunion§	1,420	...	...	..	...
12	1	The Manse	850	5·87	149·1	41·9	15
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma	1,460	15·56	395·2	118.6	17
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	9·37	238·0	...	13
	7	Trianon	950	7·18	182·4	55·1	13
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	2·10	53·3	...	7
	10	Bon Air§	1,050	...	...	..	...
	11	Val Ory	1,100	7·89	200·4	47·7	18
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	..
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or§	...	...	...	...	...
	17	Mon Repos§	..	...		...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	3·26	82·5	...	5

*Normals not available. §Record not Received.

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 1925.

Day \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		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
	h	°		°		°		°		°				h	°		°		°		°		°		°	
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	9¾	0·7	285	0·4	250	...	...	...	...	...	...	...	...	12½	...	...	...	...	0·1	30	...	...	...	...	...	...
4	9½	0·3	270	0·8	270	...	...	...	...	...	...	...	...	15¼	1·1	315	0·6	300	...	...	...	...	...	...	...	...
5	9½	1·4	270	1·0	270	...	...	...	...	...	...	...	...	12½	1·3	280	0·4	280	...	...	...	...	...	...	...	...
6	9¾	0·8	280	0·6	270	...	...	...	...	...	...	...	...	14¾	...	..	0·8	295	...	...	...	...	...	...	...	...
7	9¾	0·3	240	0·7	240	..	...	...	...	...	...	...	...	14¼	1·2	255	0·2	240	...	...	...	...	...	...	...	...
8	10¼	0·8	250	0·2	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	9¼	..	...	...	...	...	...	0·3	120	...	...	0·3	120	...	...	...	...	..	...	...	...	...	..	...	...	...
10	6-8	...	...	...	...	0·3	120	0·2	120	...	...	0·3	120	17½	..	...	...	...	0·3	120	...	...	...	...	..	...
11	9½	0·8	285	0·8	285	0·2	345	...	...	...	...	...	...	15¾	...	...	...	..	0·2	120	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	11½	2·0	285	0·5	140	0·8	250	...	...	0·2	120	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	9¾	1·8	280	1·2	270	...	...	...	...	...	...	...	...	14½	1·2	270	0·6	270	...	...	...	...	...	...	...	...
15	14	1·0	300	...	..	0·2	6·0	...	...	...	...	0·3	120	...	...	...	...	...	...	...	...	...	...	...	...	...
16	9¾	0·6	300	0·5	300	...	...	...	...	...	...	...	...	11¾	0·7	300	0·2	310	...	...	...	...	...	...	...	...
17	7¼	...	...	...	...	0·2	3·0	...	...	...	...	...	...	14¾	0·4	320	0·4	360	...	...	...	...	..	...	...	...
18	8½	1·9	285	0·4	300	...	...	...	...	...	...	0·4	135	11¾	0·4	270	0·2	280	...	...	...	...	...	...	...	...
19	9¾	...	..	0·4	240	...	...	...	...	...	...	...	...	14¼	...	...	0·4	295	0·4	120	...	...	0·4	120	...	...
20	9¾	...	...	0·1	240	...	...	...	...	0·1	150	...	...	14¾	...	...	0·2	240	...	...	...	...	0·3	150	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	...	..	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...
27	...	...	..	...	...	...	...	...	...	...	...	...	...	16½	1·2	195	1·4	225	0·8	180	...	...	...	...	...	..
28	10h	...	...	1·1	240	...	...	...	...	...	...	...	...	15¾	...	...	0·9	240	...	...	...	...	...	...	...	...
29	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
30	9½	0·7	210	0·6	210	...	...	...	...	...	...	...	...	12½	0·8	210	0·4	210	...	...	...	...	...	...	...	...
31	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...

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

NEW SERIES (MONTHLY). VOL. XI. PART 12 PRICE R. 0.75

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(LATITUDE 20°5′39 S.—LONGITUDE 3h50m12s·6 E.)

RESULTS

OF

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

DECEMBER 1925

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

DIRECTOR.

Published by Authority of His Excellency the Governor

PORT LOUIS

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1926.

NOTE.—For purposes of upper air investigation the directions of the wind in Table VI and of the clouds in Table XVI now refer to directions from South through West to North and East. The directions in Table VII still refer to diections from South through East and will not be altered until January, 1926.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of DECEMBER 1925.

Month and Day. 1925	Mean Declination (West)	Mean Horizontal Force. (C.G.S. Units.)	Mean Vertical Force. (C.G.S. Units.)	Daily Range of.† Declination.	Horizontal Force	Vertical Force.
					Unit 1 γ	
DEC.	° ′			′		
1	11·12.6	·22919	·29853	9·2	29	23
2	13.0	927	856	10·3	26	23
3	13.6	927	858	8·2	14	24
4	12.8	935	857	10·8	50	24
5	12.6	932	863	8·0	40	17
6	13.5	905	870	10·6	99	23
7	13·6	894	872	6·5	30	14
8	13·9	907	874	7·8	30	13
9	13·2	909	873	5·7	45	12
10	13·6	917	869	7·5	40	25
11	13·7	921	869	8·0	39	28
12	13·3	919	874	7·0	26	20
13	13·0	920	868	9·0	60	37
14	13·3	918	872	6·0	42	19
15	13·4	915	874	14·7	80	34
16	13.2	905	877	14·2	48	27
17	13·6	...	873	13·5	...	27
18	14·1	...	873	13·9	...	24
19	13·7	...	874	12·0	...	29
20	14·0	...	873	7·5	...	26
21	14·0	...	876	8·2	...	17
22	14·3	...	871	6·8	...	22
23	14·4	916	872	8·5	24	23
24	13·6	912	874	5·5	38	17
25	14·5	920	872	9·7	25	25
26	14·3	931	872	7·8	30	25
27	14·2	915	870	13·5	91	27
28	13·7	874	877	18·7	138	31
29	14·5	885	875	13·8	42	33
30	14.0	899	869	8·8	34	29
31	14·0	910	866	8·6	40	26
Mean	11·13·65	·22913	·29870	9·69	46·4	24·0

Description of the Principal Magnetic Disturbances.

The following notes give a brief description of the principal magnetic disturbances The movements in Horizontal Force and Vertical force are expressed in G.G.S. units.

The term "wave" indicates a movement in one direction and return; "double wave," a movement in one direction and return with continuation in the opposite direction and return; "fluctuations," a number of movements in both directions.

The extent and direction of the movement are indicated in brackets, + denotes an increase and—denotes a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

December 6th, 1^h. 15^m. Fluctuations in H.F. till 23^h. Max at 19^h. (±10γ.)

December 27^d. 19^h. to 29^d. 10^h., Large fluctuations in H.F.

27^d. 19^h. to 23^h.: decrease of 52γ; 28^d. 0^h: increase with max. at 1^h. 30^m. (±11γ); 28^d. 4^h to 17^h: double wave (±75γ) with superimposed undulations.

28^d. 17^h. to 29^d. 10^h. General decrease of H.F. with small fluctuations.

December 28^d. 0^h. to 1^h. decrease in Declination (5′); 28^d 7^h. 30^m. to 15^h.: large negative wave in Declination min. (−21′) at 13^h.

December 28^d. 9^h. to 15^h large negative wave in V.F. (−30γ)

December 30^d. 19^h. to 31^d. 24^h. Frequent small oscillations in H.F. Max (±20γ.) at 31^h. 0^h. 30^m.

T=0·37646: Mean Dip=θ=52°.30′·54. (X=·22475: Y=−·04461: Z=·29870).

† 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 1925

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South).					
				A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	P. M. Observations.		Resulting Vertical Force C.G.S. Units
Day and Hour.	Observed Value.	Day and Hour.	Observed Value.	Day and Hour.	Observed Value.		Day and Hour.	Observed Value.	
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
DEC. 2. 9·14	11.17·40	DEC. 7. 8·59	·22884	DEC. 2. 9·02	52.29·94	·29873	DEC. 2.14.24	52.29·75	·29855
.14·13	11. 8·50	·13·30	·22913	11. 9.53	52.28·00	·29864	11.13.29	52.28·75	·29863
11·9·30	11.15·80	15·11·35	·22941	17. 9·08	52.30·25	·29874	17.13.28	52.29·25	·29870
.13·41	11. 9·92	·14·10	·22949	24.11·13	52.29·62	·29873	24.13.43	52.30·37	·29864
17. 9·21	11.19·05	22. 9·04	·22904						
.13·18	11. 7·13	·13·26	·22915						
24.11.23	11.12·93	29· 9·22	·22880						
.13.33	11.10·95	·12·34	·22912						

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

DECEMBER 1925.

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

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

DECEMBER 1925.

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	919	939	925	930	920	920	890	900	909	910	900	921	916	912	920	881	Midnight
1h	920	920	926	930	924	909	890	900	910	910	909	920	919	920	918	890	1h
2	919	921	927	930	920	935	892	900	910	912	921	917	920	915	919	895	2
3	914	928	924	930	920	919	891	899	910	914	912	918	920	912	920	900	3
4	915	945	926	930	925	925	890	899	909	911	912	917	924	913	920	901	4
5	915	930	929	934	929	930	890	902	905	910	911	919	920	913	920	903	5
6	919	930	930	940	930	940	890	909	906	920	920	922	919	919	928	902	6
7	920	932	934	950	936	940	890	912	912	926	929	926	929	921	928	898	7
8	920	930	932	954	942	941	894	911	920	930	930	922	931	929	930	889	8
9	920	930	929	960	950	949	900	920	929	930	933	919	933	930	930	900	9
10	930	929	925	970	955	940	910	922	929	931	938	920	940	935	939	908	10
11	932	930	928	956	960	935	908	920	925	930	939	928	960	942	950	918	11
Noon	927	925	922	940	950	912	900	920	919	940	939	930	950	938	945	920	Noon
13h	922	921	920	933	943	918	890	915	910	934	935	930	937	927	945	929	13h
14	920	921	920	925	943	900	892	910	900	926	924	929	922	929	942	929	14
15	910	920	925	920	920	880	898	905	892	920	910	920	910	925	938	916	15
16	903	919	928	930	921	870	891	892	890	915	910	910	903	910	920	900	16
17	908	921	929	929	926	870	885	893	884	910	910	904	901	903	900	900	17
18	914	925	928	920	927	855	885	904	899	913	911	905	900	901	890	896	18
19	922	930	928	930	925	870	880	908	906	920	913	910	900	900	881	899	19
20	920	929	928	925	927	850	890	909	908	910	919	913	906	900	872	904	20
21	920	925	930	930	926	875	895	905	910	900	919	912	910	906	871	902	21
22	921	925	930	923	922	882	900	909	909	900	920	919	910	913	870	909	22
23	920	924	930	920	930	880	900	907	909	901	920	920	913	913	880	909	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	903	...	...	...	...	...	915	918	910	928	921	850	860	890	902	908·2	Midnight
1h	910	...	...	...	...	...	915	920	910	930	920	861	869	890	910	909·6	1h
2	910	...	...	...	...	...	915	912	919	922	920	892	872	889	909	912·1	2
3	910	...	...	...	...	...	915	911	916	921	923	874	870	888	910	910·4	3
4	910	...	...	...	...	...	918	915	912	926	924	880	871	889	909	912·2	4
5	910	...	...	...	...	...	921	910	913	929	923	880	880	890	910	912·6	5
6	915	...	...	...	...	...	920	918	919	931	929	890	880	891	909	916·4	6
7	920	...	...	...	...	...	930	921	920	940	935	905	882	892	908	920·6	7
8	920	...	...	...	...	...	927	926	919	942	939	920	885	902	909	923·0	8
9	920	...	...	...	...	...	923	927	922	941	936	943	889	910	912	926·6	9
10	926	...	...	...	...	...	923	928	930	942	940	958	892	922	920	931·0	10
11	930	...	...	...	...	...	920	930	935	950	941	930	891	920	930	932·3	11
Noon	931	...	...	...	...	...	920	922	930	948	940	888	896	910	920	926·0	Noon
13h	931	...	...	...	...	...	919	914	921	941	932	870	902	900	917	921·0	13h
14	...	...	...	...	...	...	911	903	916	941	930	820	901	889	917	914·4	14
15	...	...	...	...	...	...	910	899	910	932	920	830	900	890	919	908·8	15
16	...	...	...	...	...	...	910	892	910	923	912	852	890	891	929	904·8	16
17	...	...	...	...	...	...	906	900	917	920	910	841	880	900	910	902·3	17
18	...	...	...	...	...	...	910	905	921	922	912	840	885	905	910	903·3	18
19	...	...	...	...	...	...	914	900	923	923	920	830	880	909	907	905·1	19
20	...	...	...	...	...	...	910	903	925	926	892	830	879	910	900	903·4	20
21	...	...	...	...	...	...	908	900	920	921	875	852	888	900	890	903·6	21
22	...	...	...	...	...	...	910	902	920	921	851	868	890	900	891	904·6	22
23	...	...	...	...	...	...	913	908	922	920	850	870	891	902	890	905·7	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).

DECEMBER 1925.

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	854	855	859	861	868	870	876	873	875	874	876	875	875	874	876	879	Midnight
1h	854	856	859	861	868	870	875	873	875	875	876	876	874	874	876	880	1h
2	854	856	859	861	867	870	876	874	875	875	876	876	874	873	875	880	2
3	854	856	859	861	867	870	875	874	875	875	876	876	874	873	875	880	3
4	855	858	860	862	867	870	876	875	876	876	877	877	874	874	876	880	4
5	856	859	860	863	866	870	876	876	877	876	878	878	875	875	877	880	5
6	860	862	864	866	869	871	878	878	876	877	880	881	879	877	881	882	6
7	863	867	868	866	870	874	880	880	876	879	878	881	880	879	884	886	7
8	864	866	871	862	865	877	879	882	877	875	873	880	873	879	880	887	8
9	860	864	869	858	859	877	874	879	875	867	864	874	860	872	874	880	9
10	857	858	860	852	853	874	869	874	877	860	856	870	850	870	850	874	10
11	847	851	857	849	854	865	866	870	878	854	852	870	843	864	850	864	11
Noon	843	847	850	845	853	862	866	870	871	854	852	863	843	862	853	860	Noon
13h	842	844	848	843	855	854	869	870	866	856	854	861	845	860	857	860	13h
14	841	847	847	842	856	855	867	869	868	860	858	863	852	864	869	865	14
15	846	851	849	847	857	860	866	872	870	864	862	867	860	863	876	870	15
16	850	855	850	853	860	870	867	875	871	867	869	870	868	864	880	879	16
17	851	855	855	856	861	870	868	876	871	868	870	874	873	870	882	883	17
18	852	854	856	860	864	874	870	875	872	869	872	877	876	875	882	883	18
19	852	852	855	860	864	876	872	874	871	870	873	877	876	876	880	881	19
20	853	853	857	860	864	876	871	872	872	870	873	875	876	876	880	879	20
21	855	855	858	860	865	874	870	872	871	874	873	875	875	876	880	878	21
22	856	858	860	861	866	873	871	873	871	874	872	875	875	877	880	879	22
23	856	858	860	861	866	874	872	873	872	875	873	875	874	877	880	880	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31	Mean	Day. / Hour.
	·29000 + (C.G.S. UNIT).																
Midnight	879	875	879	875	875	876	875	872	874	872	872	881	880	876	859	872·3	Midnight
1h	876	874	876	876	874	875	874	873	874	873	871	880	880	876	864	872·2	1h
2	876	874	875	877	874	874	875	873	874	872	871	874	881	874	865	871·9	2
3	876	875	876	877	875	874	875	873	875	873	871	877	881	875	864	872·2	3
4	877	874	876	876	875	876	876	873	876	874	874	880	881	877	861	872·9	4
5	878	875	876	875	877	877	876	874	879	874	874	881	884	879	858	873·5	5
6	880	878	880	878	878	879	877	876	881	875	877	885	886	881	858	875·8	6
7	885	880	885	884	881	880	877	879	885	879	883	884	889	884	859	878·2	7
8	886	880	889	885	885	878	877	880	885	881	886	877	888	880	859	877·6	8
9	879	880	885	884	886	870	882	882	884	884	866	869	879	877	855	873·2	9
10	874	877	880	879	883	874	879	880	875	880	860	864	872	872	855	868·0	10
11	870	869	874	872	883	873	875	875	870	870	859	860	866	867	850	863·5	11
Noon	863	860	866	870	880	868	870	870	864	859	859	858	859	855	864	860·0	Noon
13h	860	856	862	863	873	860	860	865	860	860	859	855	856	861	869	858·2	13h
14	859	858	860	860	869	858	859	866	860	863	860	873	859	866	873	860·2	14
15	860	861	863	859	870	863	862	870	863	870	863	886	864	865	870	863·5	15
16	864	866	866	860	873	865	864	870	865	874	865	886	869	865	870	866.8	16
17	869	871	870	865	872	867	866	870	870	875	869	885	872	864	874	869·1	17
18	872	873	873	868	870	870	866	872	871	874	870	884	873	864	875	870·5	18
19	872	874	873	870	873	870	869	874	870	871	869	880	874	865	876	870·6	19
20	872	874	872	870	874	870	870	874	870	870	870	882	874	866	876	870·7	20
21	872	877	872	870	874	871	870	874	870	871	873	881	877	866	875	871·1	21
22	874	880	874	873	876	872	872	874	870	872	880	881	878	863	875	872·1	22
23	875	879	874	876	877	873	872	876	870	872	881	881	877	858	875	872·3	23

TABLE VI.—RESULTS of METEOROLOGICAL OBSERVATIONS made at the AEROLOGICAL STATION Vacoas (424·5 metres above mean sea-level) during the MONTH of DECEMBER 1925.

Month and 1925	Observations at 10 a.m.								Temperature of the Air.			Amount of Cloud (Scale 0—10)	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 of the Dew Point.	Relative Humidity (Sat: 100)	Tension of Aqueous Vapour.	Wind. Direction in degrees.	Wind. Velocity.	Highest.	Lowest.	Range.				
	mbs.	C	C	C	%	mbs.		m.p.s.	C	C	C		m.m.	hrs.	
DEC. 1	967·8	24·8	2·7	20·2	75	23·4	225	2·7	23·6	19·7	3·9	8·3	0·5	1·9	14
2	968·4	22·0	1·1	20·1	89	23·3	292	4·5	23·4	17·9	5·5	6·9	73·0	1·7	13
3	967·8	24·3	2·8	19·5	74	22·4	270	7·6	25·5	17·9	7·6	5·2	2·0	9·0	68
4	968·4	23·4	2·3	19·4	78	22·3	259	4·5	24·7	16·7	8·0	5·0	0·4	5·1	39
5	967·7	23·1	2·2	19·3	79	22·2	270	6·7	26·0	18·3	7·7	5·2	0·0	10·5	80
6	969·6	23·0	2·7	18·3	75	20·8	292	8·0	24·7	15·6	9·1	5·1	0·0	10·3	78
7	970·1	23·2	3·1	17·8	72	20·2	292	6·7	24·5	19.6	4·9	4·6	0·0	11·3	86
8	968·0	23·8	2·9	18·8	74	21·5	292	8·0	24·6	17·6	7·0	6·1	0·1	10.1	77
9	966·3	22·6	3·1	17·2	71	19·4	292	7·2	24·9	18·6	6·3	5·9	0·2	9·5	71
10	964·8	21·2	1·2	19·1	88	21·9	292	12·2	23·8	18·2	5·6	7·0	0·0	7·6	57
11	963·2	21·1	1·0	19·3	89	22·2	315	12·2	24·4	19·1	5·3	10·0	14·5	0·2	2
12	956·6	...	...	...	...	...	315	20·1	..	18·9	...	10·0	258·0	0·0	0
13	959·2	...	...	...	...	...	67	6·7	23·7	...	...	10·0		1·0	8
14	963·5	23·8	1·5	21·2	85	24·9	45	5·3	26·1	19·0	7·1	7·2	3·5	8.2	62
15	964·8	24·2	3·1	18·9	72	21·6	326	3·1	26·8	16·5	10·3	2·6	0·0	10·4	78
16	967·1	25·5	4·1	18·5	65	21·1	270	2·7	27·1	15·0	12·1	5·1	0·0	5·6	42
17	968·9	24·9	4·0	18·1	66	20·6	259	3·6	27·2	19·1	8·1	6·5	0·1	9·7	73
18	968·7	24·3	3·1	19·0	72	21·8	270	6·7	26·4	16·0	10·4	5·1	0·2	9·7	73
19	968·7	22·1	0·5	21·2	95	24·9	247	4·5	22·7	20·0	2·7	9·7	9·2	1·0	8
20	968·4	23·9	0·9	22·4	91	26·8	259	4·5	25·0	19·6	5·4	8·4	24·0	6·0	45
21	968·0	23·9	2·5	19·6	77	22·6	259	6·7	26·2	20·8	5·4	9·0	0·6	9·3	70
22	967·1	23·9	1·5	21·3	85	25·1	270	6·7	25·8	20·8	5·0	8·8	0·3	6·9	52
23	967·9	26·0	2·7	21·4	76	25·2	259	5·4	27·3	21·6	5·7	9·3	0·0	7·5	56
24	969·4	22·8	0·9	21·2	91	24·9	259	5·4	26·3	20·6	5·7	8·1	1·1	9·0	68
25	968·9	23·5	2·8	18·7	75	21·4	292	7·1	25·4	15·1	10·3	5·0	0·0	11·0	83
26	968·9	23·5	2·8	18·7	75	21·4	292	8·0	26·2	15·6	10·6	7·8	0·0	9·8	74
27	967·3	24·0	3·7	17·6	67	19·9	292	9·0	25·1	19·6	5·5	6·8	0·0	6·7	50
28	965·7	24·7	4·8	16·5	60	18·6	270	8·0	26·7	19·0	7·7	2·4	0·0	11·9	89
29	966·5	23·9	3·4	18·1	70	20·6	281	9·0	26·5	18·1	8·4	4·4	0·0	10·9	82
30	964·0	24·8	4·1	17·8	65	20·2	225	2·2	28·7	17·6	11·1	2·6	0·0	11·8	89
31	963·8	24·8	3·6	18·7	69	21·4	112	2·7	26·8	16·9	9·9	3·5	0·0	9·9	74
Mean	966·6	23·7	2·7	19·2	76·5	22·1	° 287	5·4	25·5	18·3	7·3	6·5	Sum 387·7	7·53	56·8
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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

Mean of the month at 10 a.m.

Atmospheric Presssure	+41·8 mbs
Temperature of the Air	+ 3·6 C.
Vapour Tension	+ 0·9 mbs
Relative Humidity	−12·4 %
Direction of Wind	41 E*
Velocity of Wind	− 1·4 mps.
Amount of cloud	− 0·6

Amount of rain	−269·0 m.m.
Duration of sunshine	+39.2 hrs.
Mean of highest temperatures	+3·3 C.
Mean of lowest temperatures	+3·8 C.
Absolute highest temperature	+2·4 C.
Absolute lowest temperature	+5·0 C

* South (0); West (8); N (16); East (24)

TABLE VII.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1925.

Month and Day 1925.	Atmospheric Pressure		Temperature of the Air. (in degrees Centigrade.)					Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.)		Degree of Humidity (Saturation=100)		Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall.		Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
	Mean	Excess above Average	Highest	Lowest.	Range	Mean	Excess above Average		Mean	Excess above Average	Mean	Excess above Average			Amount recorded by the Beckley Pluviograph.	Duration.		
Nov.	mbs.	mbs.	c	c	c	c	c	c		c			mbs.	c	mm.	min.	mm.	
1	1009·1	+ 0·6	29·8	22·1	7·7	24·7	— 0·1	1·8	21·6	+ 2·7	83	+ 13	25·5	18·7	17·8	85	7·8	6·4
2	1009·7	+ 1·2	28·3	20·7	7·6	23·9	— 0·9	2·4	19·8	+ 0·8	78	+ 8	22·9	18·4	0·0	...	11·7	7·2
3	1009·2	+ 0·8	29·0	20·0	9·0	24·3	— 0·6	3·1	19·0	— 0·1	72	+ 2	21·8	17·8	0·1	5	7·9	3·7
4	1008·5	+ 0·2	28·3	20·9	7·4	24·1	— 0·8	2·9	19·1	0·0	74	+ 3	21·9	19·0	0·0	..	11·0	5·5
5	1009·2	+ 1·0	28·9	21·3	7·6	25·0	0·0	3·1	19·7	+ 0·5	73	+ 2	22·7	18·0	0·0	...	11·0	6·2
6	1011·0	+ 2·8	28·4	22·9	5·5	25·2	+ 0·2	3·8	18·7	— 0·6	68	— 3	21·4	19·4	0·0	...	11·0	5·7
7	1011·1	+ 3·0	28·2	21·7	6·5	24·8	— 0·3	4·0	18·0	— 1·4	66	— 5	20·4	18·8	1·2	5	11·2	4·9
8	1009·0	+ 1·0	28·4	22·4	6·0	24·9	— 0·2	3·3	19·3	— 0·1	71	0	22·2	19·8	0·0	...	10·0	6·7
9	1007·6	— 0·4	28·1	22·3	5·8	24·5	— 0·7	3·9	17·8	— 1·7	67	— 4	20·2	19·4	0·0	...	12·0	6·0
10	1006·0	— 1·9	27·8	21·8	6·0	24·3	— 0·9	3·0	19·1	— 0·5	73	+ 2	21·9	15·9	0·0	...	11·6	6·4
11	1003·4	— 4·4	28·3	22·7	5·6	24·4	— 0·9	2·7	19·8	+ 0·2	76	+ 5	22·9	20·3	4·8	205	9·8	9·3
12	993·2	—14·6	25·2	23·2	2·0	24·2	— 1·1	1·3	22·0	+ 2·3	88	+ 16	26·2	22·1	64·5	850	6·5	10·0
13	998·6	— 9·1	27·0	22·8	4·2	24·6	— 0·7	1·4	22·2	+ 2·5	87	+ 15	26·5	20·6	11·3	140	8.3	9·5
14	1004·6	— 3·0	28·3	22·5	5·8	25·3	— 0·1	1·9	22·1	+ 2·3	83	+ 11	26·3	19·0	0·5	15	11·5	5·6
15	1005·9	— 1·7	29·9	20·8	9·1	25·5	+ 0·1	2·6	21·1	+ 1·2	77	+ 5	24·8	18·0	0·5	10	9·5	4·6
16	1008·4	+ 0·9	29·7	20·8	8·9	24·5	— 0·9	2·4	20·4	+ 0·5	78	+ 6	23·7	17·7	1·0	10	3·8	4·9
17	1010·1	+ 2·6	28·9	21·5	7·4	25·0	— 0·4	2·7	20·4	+ 0·4	76	+ 4	23·7	18·2	0·0	...	9·0	3·2
18	1010·0	+ 2·6	28·7	22·7	6·0	25·0	— 0·5	2·3	21·1	+ 1·1	79	+ 7	24·8	20·7	0·3	5	10·3	5·4
19	1009·6	+ 2·3	28·4	22·8	5.6	24·8	— 0·7	1·6	22·1	+ 2·0	85	+ 13	26·3	21·5	9·7	75	7·7	7·3
20	1009·5	+ 2·2	28·8	23·2	5·6	25·5	0·0	2·1	21·9	+ 1·8	81	+ 9	26·0	21·9	1.0	10	8·0	6·1
21	1009·0	+ 1·8	28·8	23·2	5·6	25·5	— 0·1	2·4	21·4	+ 1·2	78	+ 5	25·2	21·7	0·9	10	7·9	6·9
22	1008·4	+ 1·2	29·2	23·3	5·9	25·8	+ 0·2	2·0	22·4	+ 2·2	82	+ 9	26·8	22·2	4·1	30	8·1	8·5
23	1009·3	+ 2·2	29·9	24·4	5·5	26·3	+ 0·7	2·0	22·9	+ 2·6	81	+ 8	27·6	22·7	0·2	10	6·0	7·2
24	1010·4	+ 3·4	29·0	23·1	5·9	25·8	+ 0·2	2·5	21·6	+ 1·3	78	+ 5	25·5	20·4	0·2	5	7·2	5·2
25	1009·8	+ 2·8	29·0	22·5	6·5	25·4	— 0·3	3·6	19·3	— 1·0	69	— 4	22·2	20·1	0·0	...	7·0	4·1
26	1009·4	+ 2·5	29·5	22·9	6·6	25·6	— 0·1	3·2	20·2	— 0·2	72	— 1	23·4	21·2	0·0	...	7·0	5·6
27	1008·9	+ 2·1	28·9	22·7	6·2	25·0	— 0·7	3·3	19·4	— 1·0	71	— 2	22·3	18·5	0·0	...	6·0	5·3
28	1007·5	+ 0·8	29·2	21·4	7·8	25·1	— 0·6	3·9	18·5	— 2·0	67	— 6	21·1	18·4	0·0	...	8·4	2·4
29	1007·4	+ 0·7	29·0	21·2	7·8	25·0	— 0·8	3·4	19·2	— 1·3	70	— 4	22·0	16·9	0·6	30	8·2	6·3
30	1005·6	— 1·0	31·1	20·0	11·1	25·6	— 0·2	3·2	20·2	— 0·4	72	— 2	23·4	16·4	0·0	...	6·6	3·3
31	1005·2	— 1·4	30·5	20·2	10·3	25·7	— 0·1	2·6	21·3	+ 0·7	77	+ 3	25·1	16·3	0·0	...	6·4	3·0
Mean	1007·6	+ 0·1	28·8	22·1	6·7	25·0	— 0·4	2·7	20·4	+ 0·5	75·9	+ 3·9	23·8	19·4	Sum 118·7	Sum 1500	8·7	5·9
Aver.	1007·5	...	29·8	21·7	8·1	25·4	...	3·3	19·9	...	72·0	...	23·0	19·1	120·1	1330	6·4	5·4
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

GENERAL WEATHER CONDITIONS DURING THE MONTH OF DECEMBER 1925.

Except between December 10th and 15th, when the Island was under the influence of a cyclonic system, pressure was generally above normal. In the mean for the month, it was 0.1 mb above normal.

On the 12th, a cyclone passed Eastward of the Island, the centre approaching to within 75 kilometres of the Observatory. High wind velocities were experienced in the Eastern districts of the Colony during the storm.

Temperature was, in the mean, slightly below normal: the defect being especially noticeable whilst the Island was under the influence of the cyclone referred to above.

Relative humidity was in excess of the normal on 21 days. In the mean for the month it was 3.9% above normal. The velocity of the wind was generally above normal and wind direction considerably more southerly than usual.

At the Observatory, rainfall approximated to normal.
The percentage variation for the different districts of the Island was as follows:—

Northern Districts	River System 1,	12% above	Western Districts	River System 11	100% above
Eastern Districts	,, ,, 2, 3, 4,	55% ,,		,, ,, 12	117% ,,
South-Eastern Districts	,, ,, 5 & 6	79% ,,		,, ,, 13	No return

March 23rd 1926

TABLE VII.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1925.

Month and Day 1925.	Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind: Components. North.	Wind: Components. East.	Wind: Resultant. Direction*.	Wind: Resultant. Velocity.	Wind: Observed Velocity. Mean.	Wind: Observed Velocity. Excess above Average.	Temperature of the Soil at a depth of. 10 Feet.	5 Feet.	2 Feet.	12 inches	9 inches †	6 inches	3 inches	Weather
DEC.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	c	c	c	c	c	c	c	
1	3·5	27	+ 0·5	+ 1·4	160	1·5	1·9	− 1·5	24·7	24·9	26·2	26·6	...	26·5	26·4	f : c : ogr f .
2	3·8	29	+ 0·2	+ 1·9	174	1·9	2·0	− 1·4	24·8	25·2	26·3	26·5	...	26·2	26·3	f : c : o .
3	11·1	84	− 0·3	+ 2·7	84	2·7	2·8	− 1·6	24·8	25·1	26·4	26·6	...	26·5	26·8	o : f .
4	9·8	74	− 0·1	+ 2·9	88	2·9	3·1	− 0·3	24·8	25·2	26·4	26·8	...	26·6	26·6	f .
5	11·6	88	− 0·4	+ 3·6	84	3·6	3·8	+ 0·4	24·8	25·2	26·4	26·8	...	26·8	26·8	f : cq : c .
6	11·4	86	− 1·7	+ 4·6	70	4·9	4·9	+ 1·5	24·8	25·2	26·5	27·1	...	27·2	27·3	c : cq : fq : f .
7	12·0	91	− 2·4	+ 4·0	59	4·7	4·7	+ 1·3	24·8	25·2	26·6	27·1	...	27·0	27·0	b : fq c .
8	11·3	86	− 1·8	+ 4·6	69	4·9	4·9	+ 1·5	24·8	25·3	26·7	27·1	...	27·0	26·0	f ; cq f .
9	10·1	76	− 2·0	+ 4·2	64	4·7	4·7	+ 1·3	24·8	25·2	26·7	26·9	...	26·8	26·6	c ; cq . fq : f .
10	9·4	71	− 2·5	+ 4·9	63	5·5	5·6	+ 2·2	24·8	25·1	26·8	26·8	...	26·5	26·5	b : cq : c .
11	2·4	18	− 5·0	+ 5·2	46	7·2	7·3	+ 3·9	24·8	25·3	26·7	26·8	...	26·5	26·2	cq : cqp : ogqp .
12	0·0	0	− 10·6	+ 6·1	30	12·2	13·4	+ 10·0	24·8	25·2	26·6	26·3	...	25·8	25·4	ogqr .
13	2·7	20	− 4·3	− 2·3	332	4·9	5·4	+ 2·0	24·8	25·5	26·6	25·4	...	25·3	25·5	ogqp : cpq .
14	10·6	80	− 2·1	− 1·7	321	2·7	2·9	− 0·6	24·8	25·7	26·4	25·9	...	26·5	27·2	cgp : c : b .
15	11·8	89	− 1·8	− 0·4	348	1·8	2·2	− 1·3	24·9	25·5	26·4	26·8	...	27·3	28·0	b : f : cp .
16	5·1	38	− 0·0	+ 1·1	90	1·1	1·9	− 1·6	24·9	25·6	26·6	27·4	...	27·4	27·6	f : c : cp : f .
17	12·1	91	− 0·6	+ 3·0	79	3·1	3·3	− 0·2	24·9	25·5	26·8	27·0	...	26·9	27·2	: f : b .
18	11·2	84	− 0·4	+ 3·8	84	3·8	4·0	+ 0·5	24·8	25·7	26·8	27·3	...	27·3	27·7	b : f : c : f .
19	5·5	41	− 0·0	+ 3·4	90	3·4	3·5	0·0	24·8	25·7	26·9	27·6	...	27·4	27·6	cp : c : cp : f .
20	9·0	68	− 0·9	+ 3·9	77	4·0	4·1	+ 0·6	24·8	25·5	27·0	27·5	...	27·4	27·6	b : cq : cp .
21	10·9	82	− 0·1	+ 4·0	89	4·0	4·1	+ 0·6	24·8	25·7	27·1	27·6	...	27·4	27·6	cp : cq : c .
22	8·7	65	− 0·3	+ 3·8	85	3·8	3·9	+ 0·4	24·8	25·4	27·1	27·7	...	27·5	27·9	og : cpq : cq : cp .
23	8·9	67	+ 0·4	+ 3·3	173	3·3	3·4	− 0·1	24·9	25·5	27·2	27·9	...	27·9	28·3	cp : c .
24	10·7	80	− 0·6	+ 3·5	80	3·5	3·6	+ 0·1	24·8	25·6	27·3	28·1	...	28·1	28·5	cp : c : f : b .
25	12·2	92	− 2·1	+ 3·5	59	4·1	4·2	+ 0·7	24·9	25·6	27·4	28·2	...	27·8	28·0	b : fq : c .
26	11·2	84	− 1·7	+ 3·8	66	4·1	4·3	+ 0·8	24·9	25·7	27·5	28·1	...	27·7	27·9	f : cq : f .
27	6·9	52	− 1·9	+ 3·9	64	4·3	4·4	+ 0·9	24·8	25·8	27·5	28·0	...	27·3	27·1	f : cq : f .
28	12·5	94	− 1·4	+ 4·0	71	4·2	4·4	+ 0·9	24·8	25·7	27·5	27·7	...	26·9	27·1	b : fq : f .
29	11·8	89	− 0·3	+ 3·4	85	3·4	3·5	0·0	24·9	25·8	27·5	27·7	...	27·3	27·5	cp : c .
30	12·1	91	+ 0·4	0·0	180	0·4	2·2	− 1·3	24·8	25·9	27·5	27·8	...	27·4	27·5	f .
31	12·4	93	− 0·7	− 1·6	294	1·7	2·5	− 1·0	24·8	25·8	27·6	28·0		28·0	28·4	b : f .
Mean	9·12	68·7	−1·44	+2·85	63·2	3·19	4·09	+0·63	24·82	25·46	26·87	27·20	...	27·05	27·20	...
Average	8·30	62·2	−0·10	+2·60	87·8	2·60	3·46	...	24·60	25·73	...	...	...	27·09	27·28	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF DECEMBER 1925.

Element	Highest		Date		Lowest		Date
Atmospheric Pressure	1013·2mbs	at 22h	on 6th		982·6mbs	at 20h	on 12th
Temperature of the Air	31·1C	at 13h20m	on 30th		20·0C	at 5.30 & 6.00h	on 3rd & 30th
Daily range of temperature of the Air...	11·1C	...	on 30th		2·0C	...	on 12th
Temperature of the Dew Point	24·1C	at 7h	on 23rd		15·5C	10h	on 7th
Daily range of temperature of the Dew Point	5·7C	...	on 10th		1·5C	...	on 12th
Relative humidity...	97·2%	at 7h	on 2nd		48·1%	at 12 & 13	on 7th
Wind Velocity	19·0 m.p.s.	at 20h	on 12th		0·6mps		often
Rainfall	65·7mm.	ending 23h	on 23rd		..	...	...
Temperature of the soil at 3 ins. ...	30·7C	at 18h,	on 31st,		24·2C	at 3h & 9h	on 13th
,, ,, at 6 ins. ...	29·4C	at 21h	on 31st		24·7C	at 12h	on 13th
Duration of sunshine...	12·5 hrs.	...	on 28th		0·0 hrs.	...	on 12th
Amount of Evaporation in 24 hours	12·0 mm.	...	on 9th		3·8 m.m.	...	on 16th,
Vapour Tension	29·7mbs	at 7h	on 23rd		17·4 mbs	at 10h	on 7th
Minimum on Grass	...	...	...		15·9C	...	on 10th

Number of Days Overcast, 7, Clear 2, of Rain 17, of Lightning 0, of Thunderstorm 0

Mean Day Temperature of Air 26·77C Average 27·69C, Mean Night Temperature of Air 23·27C Average 23·68C

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

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 1925.

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

Hour \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d	Day. / Hour.
Midnight	0095	0099	0106	0093	0088	0100	0122	0106	0090	0075	0059	0017	9883	0032	0065	0074	Midnight
1h	0090	0092	0100	0088	0084	0095	0116	0100	0080	0070	0050	0009	9898	0029	0060	0068	1h
2	0082	0086	0098	0086	0084	0095	0114	0093	0080	0067	0048	0002	9903	0029	0060	0068	2
3	0080	0083	0095	0085	0082	0095	0110	0090	0078	0063	0041	9987	9931	0030	0054	0068	3
4	0082	0083	0092	0082	0080	0095	0109	0090	0075	0068	0040	9993	9940	0031	0053	0069	4
5	0086	0087	0096	0081	0080	0099	0110	0092	0075	0064	0040	9987	9954	0035	0054	0071	5
6	0090	0093	0099	0082	0089	0103	0112	0096	0079	0070	0042	9978	9964	0039	0059	0080	6
7	0097	0100	0100	0083	0093	0107	0120	0100	0084	0074	0049	9969	9980	0048	0062	0085	7
8	0098	0100	0101	0085	0096	0113	0121	0103	0084	0076	0050	9971	9998	0052	0063	0090	8
9	0100	0102	0100	0089	0099	0119	0121	0101	0083	0070	0049	9970	0009	0056	0064	0090	9
10	0100	0105	0098	0090	0100	0116	0121	0100	0084	0066	0044	9965	0008	0055	0064	0090	10
11	0095	0103	0096	0090	0096	0117	0120	0096	0082	0063	0042	9955	0001	0053	0060	0090	11
Noon	0088	0100	0090	0087	0091	0113	0113	0090	0077	0057	0037	9948	0000	0050	0059	0090	Noon
13h	0085	0097	0082	0081	0089	0110	0109	0081	0070	0050	0030	9930	0000	0047	0052	0085	13h
14	0080	0091	0079	0080	0086	0102	0102	0078	0067	0047	0026	9920	9996	0040	0050	0080	14
15	0080	0090	0075	0076	0082	0100	0100	0073	0064	0041	0020	9909	9997	0039	0049	0079	15
16	0079	0089	0071	0075	0082	0100	0098	0072	0061	0040	0020	9895	9999	0040	0045	0079	16
17	0080	0090	0075	0075	0087	0105	0096	0077	0063	0041	0020	9880	0000	0040	0048	0080	17
18	0089	0096	0079	0079	0091	0110	0100	0080	0070	0049	0020	9865	0008	0041	0051	0085	18
19	0097	0100	0087	0086	0100	0119	0108	0088	0075	0053	0025	9890	0017	0050	0058	0091	19
20	0100	0107	0093	0090	0103	0127	0110	0090	0080	0059	0026	9826	0020	0057	0061	0097	20
21	0102	0110	0099	0090	0109	0130	0113	0092	0080	0062	0025	9850	0027	0062	0070	0100	21
22	0106	0111	0100	0090	0109	0132	0111	0092	0080	0065	0021	9871	0029	0067	0075	0101	22
23	0101	0110	0099	0089	0108	0130	0110	0091	0080	0061	0020	9880	0032	0067	0078	0102	23

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour
Midnight	0100	0110	0104	0101	0093	0091	0090	0108	0104	0105	0100	0095	0094	0074	0058	1008·2	Midnight
1h	0096	0107	0098	0096	0090	0082	0082	0100	0100	0098	0099	0090	0086	0067	0050	1007·7	1h
2	0091	0100	0092	0091	0088	0080	0077	0097	0096	0093	0093	0081	0081	0060	0049	1007·3	2
3	0090	0092	0090	0090	0086	0078	0077	0094	0095	0090	0091	0079	0074	0059	0044	1007·1	3
4	0091	0091	0090	0089	0084	0074	0077	0091	0091	0086	0088	0073	0073	0058	0040	1007·0	4
5	0097	0095	0092	0090	0086	0074	0080	0095	0099	0087	0089	0070	0075	0055	0041	1007·2	5
6	0102	0100	0098	0091	0092	0080	0088	0100	0106	0091	0093	0079	0080	0058	0050	1007·7	6
7	0106	0103	0100	0098	0095	0086	0093	0110	0109	0099	0100	0072	0081	0060	0055	1008·1	7
8	0106	0103	0101	0100	0100	0090	0100	0110	0110	0100	0100	0072	0080	0060	0058	1008·4	8
9	0109	0106	0101	0100	0100	0090	0100	0111	0110	0100	0099	0075	0080	0060	0060	1008·5	9
10	0108	0105	0100	0100	0100	0090	0098	0112	0110	0100	0092	0079	0080	0059	0059	1008·4	10
11	0105	0100	0100	0100	0097	0089	0098	0110	0109	0099	0090	0073	0075	0057	0059	1008·1	11
Noon	0102	0100	0093	0095	0090	0084	0094	0106	0100	0091	0089	0069	0073	0057	0058	1007·7	Noon
13h	0105	0095	0091	0092	0084	0080	0091	0100	0095	0089	0081	0064	0071	0051	0051	1007·2	13h
14	0100	0093	0088	0090	0080	0078	0089	0098	0090	0083	0080	0060	0065	0050	0049	1006·8	14
15	0092	0090	0087	0088	0077	0074	0083	0094	0082	0080	0070	0060	0060	0047	0041	1006·4	15
16	0091	0089	0082	0083	0077	0075	0080	0092	0080	0080	0070	0056	0060	0045	0040	1006·3	16
17	0095	0091	0088	0085	0070	0079	0090	0091	0080	0080	0072	0060	0061	0045	0040	1006·4	17
18	0100	0099	0090	0090	0082	0081	0097	0099	0085	0090	0078	0067	0069	0050	0046	1006·9	18
19	0102	0101	0100	0099	0090	0089	0100	0109	0092	0100	0082	0072	0066	0055	0050	1007·5	19
20	0106	0105	0100	0100	0092	0091	0110	0112	0100	0101	0090	0079	0072	0055	0058	1007·8	20
21	0110	0109	0103	0103	0099	0094	0110	0118	0102	0107	0092	0082	0076	0058	0059	1008·7	21
22	0110	0110	0102	0103	0100	0096	0111	0119	0107	0110	0100	0092	0077	0060	0060	1008·4	22
23	0114	0109	0105	0100	0098	0094	0110	0113	0109	0109	0098	0099	0079	0059	0061	1008·4	23

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

Hour \ Day.	DECEMBER 1925.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	4	3	10	4	8	8	1	4	1	1	5	10	10	6	0	4	0	1	6	0	9	10	5	9	0	6	4	0	2	3	0	4·3
1h	4	2	9	6	7	9	1	3	3	1	9	10	10	8	0	1	2	1	8	0	9	10	4	9	0	5	4	0	4	3	0	4·6
2	4	2	10	7	5	9	1	3	6	1	9	10	10	8	0	0	3	1	8	1	6	10	5	8	1	6	4	0	6	2	0	4·7
3	3	2	2	10	3	9	2	4	9	1	4	10	10	9	0	0	9	1	7	1	3	10	4	5	1	5	5	0	8	2	1	4·5
4	3	2	3	6	3	9	2	4	9	2	9	10	10	10	0	2	5	2	8	1	4	10	5	7	1	4	4	0	9	3	1	4·8
5	4	2	2	4	3	6	2	5	9	3	9	10	10	10	1	6	4	4	9	2	5	10	6	8	2	3	5	2	9	4	1	5·2
6	4	5	2	4	4	4	3	9	10	6	10	10	10	10	2	8	3	5	10	8	4	10	9	6	4	3	6	3	9	3	1	6·0
7	9	7	2	3	6	5	5	9	9	10	10	10	10	10	2	6	3	8	10	8	7	10	9	9	3	2	7	2	8	3	1	6·5
8	9	8	3	7	8	7	3	9	7	9	9	10	10	10	5	6	4	8	8	8	7	9	7	9	4	3	8	3	6	5	1	6·8
9	9	9	4	8	8	9	5	8	7	7	9	10	10	6	5	6	4	8	9	7	6	8	6	9	5	4	9	3	5	5	3	6·8
10	9	8	5	7	7	9	5	8	7	6	9	10	10	7	5	7	5	6	8	7	6	9	7	8	6	9	9	3	7	6	3	7·0
11	9	8	5	6	6	8	5	7	7	7	9	10	10	7	5	8	5	6	7	9	6	8	7	6	6	9	9	3	6	5	3	6·8
Noon	8	8	3	6	7	7	3	9	6	8	10	10	10	6	3	8	4	7	6	9	7	8	8	5	7	9	9	3	5	3	5	6·7
13h	8	7	3	6	6	5	4	8	5	8	10	10	10	6	5	8	3	8	8	9	6	7	8	6	6	8	8	3	6	3	7	6·6
14	9	7	4	5	6	4	4	8	5	8	10	10	9	6	6	9	3	9	9	8	6	7	8	5	6	7	8	3	7	3	8	6·7
15	9	9	7	3	7	3	5	7	8	8	10	10	9	5	6	9	3	8	10	9	9	7	8	5	2	8	8	3	7	2	7	6·8
16	9	10	5	5	7	4	7	9	7	8	10	10	9	4	7	8	2	8	10	8	9	8	8	3	3	8	7	3	6	4	6	6·8
17	9	10	4	5	7	8	8	10	6	10	10	10	10	3	8	7	3	9	9	6	8	9	7	3	3	6	4	4	5	5	5	6·8
18	10	10	2	4	8	5	9	10	7	8	10	10	9	2	9	6	3	9	9	7	9	10	9	3	4	5	4	4	5	7	4	6·8
19	8	10	2	3	7	5	9	9	8	8	10	10	10	2	9	4	3	5	8	7	6	10	9	2	5	4	3	4	6	4	4	6·3
20	5	10	2	4	7	2	7	7	4	8	10	10	10	1	9	3	2	3	3	4	5	8	8	2	6	5	2	5	7	3	3	5·3
21	2	10	1	4	6	2	10	7	1	8	10	10	9	1	8	2	2	2	4	8	8	7	8	1	7	6	1	3	8	2	3	5·2
22	3	10	1	5	7	1	9	4	1	8	10	10	7	0	7	0	1	3	3	7	9	7	8	0	7	5	1	2	7	1	2	4·7
23	2	10	2	7	7	1	7	2	1	7	10	10	8	0	6	1	1	4	1	8	10	6	9	0	6	5	0	0	4	0	2	4·4

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

Hour* Ending \ Day.	DECEMBER 1925.																															
	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	7	5	0	1	0	0	0	0	0	0	0	0	18	8	0	0	0	0	0	0	0	0	0	0	2	13	1	11	15	1·4
7	7	30	60	20	26	33	52	28	15	5	0	0	0	0	55	55	55	38	7	25	35	0	23	17	50	20	35	52	42	55	55	14·9
8	5	25	60	60	58	50	60	60	44	15	0	0	0	44	50	60	60	55	25	50	44	20	52	52	60	55	45	60	55	60	60	22·4
9	13	3	60	25	60	40	60	60	50	30	0	0	0	55	50	60	60	55	22	55	59	50	58	44	60	60	40	60	60	60	60	22·8
10	27	17	60	43	60	60	60	60	58	55	45	0	0	55	60	60	60	60	55	58	60	55	60	48	60	58	53	60	60	45	60	26·2
11	25	18	60	45	55	60	60	60	59	50	60	0	0	55	60	27	60	60	60	36	60	60	60	55	60	45	40	60	60	48	60	25·3
Noon	27	24	60	58	60	60	60	60	59	59	37	0	0	40	60	10	60	60	54	58	60	60	60	60	60	60	25	60	60	60	60	25·5
13h	24	58	69	50	60	60	60	60	60	58	0	0	0	60	60	25	60	58	30	45	60	55	35	60	60	60	0	60	60	60	60	24·3
14	28	37	60	45	60	60	60	60	60	58	0	0	33	60	60	4	60	60	55	35	60	59	20	60	60	60	0	60	60	60	58	24·2
15	0	19	50	60	60	60	60	60	60	55	0	0	50	60	60	0	60	60	2	32	60	60	50	60	60	60	13	60	60	60	60	23·5
16	20	0	50	60	60	60	60	58	59	56	0	0	32	60	60	0	60	60	0	40	60	30	35	60	60	60	25	60	58	60	60	22·7
17	25	0	23	60	60	60	60	58	48	59	0	0	48	60	52	0	60	58	18	60	55	48	55	60	60	60	60	60	60	60	60	24·1
18	0	0	48	55	60	60	60	56	22	49	0	0	0	60	54	0	60	45	0	45	40	25	28	55	60	60	60	60	50	60	60	20·5
19	0	0	10	3	20	18	10	0	10	14	0	0	0	30	10	0	10	0	0	3	0	0	0	10	20	17	15	25	20	28	18	4·9

The total amount of registered sunshine was 282·7 hours and the total possible sunshine 411·5 hours.

* Reckoned from apparent midnight.

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 1925.

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

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

TABLE XI. (*Contd.*)—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 1925

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

Day / Hour.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour.
Midnight	23·1	1·1	24·1	1·8	22·7	1·4	22·8	1·7	22·2	2·2	23·0	1·8	22.7	1.4	23·2	1·4	Midnight
1h	23·2	1·2	23·8	1·8	23·0	1·2	22·7	1·9	22·1	2·1	22·2	1·3	22.0	1.0	23·0	1·3	1h
2	23·3	1·3	23·5	1·3	23·4	1·5	22·0	1·8	21·5	1·5	21·7	1·0	21.4	1.1	22·8	1·2	2
3	23·3	1·3	23·5	1·3	23·2	1·5	22·0	1.9	21·7	1·7	21·3	1·1	21.7	1.1	22·7	1·2	3
4	23·0	1·5	23·0	1·0	23·1	1·6	21·7	1·7	22·1	1·6	20·7	0·7	20.7	0.7	22·5	1·2	4
5	22·9	1·6	23·0	1·1	23·0	1·6	21·7	1·8	22·1	0·8	20·3	0·6	20.3	0.5	22·5	1·2	5
6	22·9	1·8	23·4	1·2	23·0	1·3	22·8	2·5	22·0	1·0	20·0	0·8	20.5	0.5	22·7	1·2	6
7	24·9	2·7	24·5	1·8	24·4	2·4	24·5	3·3	23·2	1·2	24·4	2·0	25.0	2.1	24·3	1·9	7
8	26·0	3·5	26·0	3·4	25·8	4·0	25·9	4·7	25·1	3·5	27·0	4·0	26.4	3.0	25·6	3·0	8
9	27·0	5·0	27·5	4·5	27·0	4·9	26·3	4·8	27·0	5·0	28·0	5·0	28.0	3.5	26·4	3·6	9
10	27·0	4·5	28·0	5·0	27·5	5·5	27·9	6·7	27·0	5·0	28·0	5·0	29.0	3.8	27·3	4·4	10
11	28·0	5·8	28·0	4·8	28·0	5·7	28·0	6·7	28·1	6·1	29·0	5·5	30.0	4.5	27·7	4·8	11
Noon	28·0	5·9	28·9	5·6	27·5	5·5	28·3	6·0	29·0	6·7	30·2	4·7	29.7	4.7	27·9	4·9	Noon
13h	28·5	6·3	28·9	5·9	26·8	4·3	28·8	6·6	28·2	6·2	30·9	6·7	29.0	4.5	27·8	4·8	13h
14	28·0	5·6	28·8	5·8	27·0	5·0	28·4	6·4	28·5	6.2	30·4	5·9	29.0	4.4	27·7	4·6	14
15	28·0	6·4	28·0	5·2	26·9	4·9	28·5	6·0	28·5	5·5	30·0	6·0	29.1	4.1	27·5	4·5	15
16	27·4	5·7	27·8	5·8	26·5	4·5	28·0	5·5	27·1	4·3	29·0	5·0	29.0	4.0	27·0	4·2	16
17	27·0	6·0	27·4	5·4	26·6	5·5	27·0	5·0	27·8	5·6	28·4	4·8	28.6	4.0	26·4	3·8	17
18	26·0	4·5	26·4	4·2	26·0	4·4	26·0	4·0	26·1	3·6	27·8	4·4	27.5	3.4	25·5	3·0	18
19	24·6	3·4	25·0	2·9	24·4	3·2	24·8	3·2	25·0	3·0	27·0	3·9	26.6	2.6	24·6	2·3	19
20	24·6	2·8	24·3	2·3	23·8	2·7	24·2	2·8	24·8	2·9	25·0	2·3	26.0	2.0	24·2	1·9	20
21	24·6	2·6	24·0	2·1	23·8	2·8	24·0	3·0	24·5	2·6	24·4	2·2	25.4	1.8	23·9	1·8	21
22	24·7	2·7	23·3	1·6	23·4	2·3	23·4	2·4	24·0	2·3	23·8	1·8	24.8	1.7	23·6	1·6	22
23	24·3	2·3	23·1	1·3	23·2	1·6	22·9	2·0	23·3	1·9	22·8	1·5	24.0	1.4	23·3	1·4	23

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

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

DECEMBER 1925.

Day / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	901	906	894	908	900	914	890	915	891	913	891	943	887	913	889	927	Midnight
1h	903	913	894	914	900	911	892	911	890	914	890	948	883	926	887	934	1h
2	903	916	896	910	900	915	890	914	887	920	891	942	882	927	889	927	2
3	902	910	895	911	900	912	893	915	894	915	891	945	880	920	890	925	3
4	902	911	896	909	900	909	893	915	893	917	883	942	883	926	891	922	4
5	902	910	894	914	900	907	886	921	893	917	883	943	885	915	887	932	5
6	901	907	896	910	900	917	890	925	893	916	888	931	882	918	887	932	6
7	901	907	893	916	891	922	886	934	900	934	885	938	869	931	883	943	7
8	904	918	895	924	886	935	900	944	891	942	880	949	864	955	875	960	8
9	927	918	907	935	887	934	917	941	910	950	878	953	872	967	887	962	9
10	927	918	900	941	900	940	914	935	909	944	876	958	878	953	872	967	10
11	936	924	907	933	917	941	909	945	921	950	879	950	875	961	874	964	11
Noon	932	922	908	940	900	943	909	943	920	949	888	960	876	957	875	960	Noon
13h	936	924	914	936	900	940	908	940	909	943	888	961	876	957	875	960	13h
14	876	936	914	936	900	946	907	935	900	953	888	960	875	959	869	975	14
15	891	909	911	928	900	944	918	944	900	953	875	960	867	949	875	961	15
16	910	915	907	916	900	942	908	941	881	946	878	954	867	949	874	963	16
17	904	921	907	915	891	944	900	941	891	946	875	960	868	947	878	954	17
18	895	912	906	915	891	946	900	944	883	941	874	964	868	948	878	954	18
19	897	906	900	913	889	927	889	926	886	936	879	931	870	945	881	946	19
20	897	907	900	907	893	916	893	916	887	933	887	933	877	934	882	945	20
21	895	911	900	912	894	915	893	917	892	938	888	930	871	929	883	941	21
22	896	910	900	907	895	911	892	919	891	943	882	927	883	926	889	926	22
23	895	912	900	910	891	912	888	919	883	942	875	925	885	937	888	918	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	889	917	889	926	875	938	822	978	790	900	890	896	890	900	900	911	Midnight
1h	875	937	889	929	871	943	829	971	764	900	884	897	885	900	900	917	1h
2	889	916	886	921	861	939	826	974	799	880	887	887	887	903	900	914	2
3	886	922	887	920	862	938	826	974	829	829	889	889	892	902	897	917	3
4	878	933	885	924	861	939	822	978	847	847	894	894	884	903	896	918	4
5	884	924	878	922	865	935	808	992	842	842	895	895	888	902	897	914	5
6	883	926	868	932	867	933	812	988	841	841	893	890	888	902	898	912	6
7	884	939	864	936	864	936	778	1022	848	848	889	874	893	901	900	913	7
8	878	953	854	946	852	948	814	986	852	852	878	868	893	901	900	911	8
9	876	957	865	953	841	959	812	988	852	852	882	857	883	900	908	920	9
10	878	952	873	965	852	948	791	1009	888	869	873	873	871	894	906	915	10
11	879	951	872	967	816	984	812	988	862	885	866	866	878	878	915	915	11
Noon	875	960	871	971	824	976	785	1015	844	900	881	854	875	875	893	883	Noon
13h	876	957	872	967	826	974	800	1000	854	891	861	861	868	868	889	883	13h
14	876	957	869	975	838	962	793	1007	843	888	847	878	856	882	881	892	14
15	878	953	873	965	851	949	829	971	845	900	859	872	856	891	916	884	15
16	877	956	870	972	861	959	810	990	856	882	866	866	852	880	890	876	16
17	877	956	872	967	841	959	766	955	871	881	864	886	869	894	900	931	17
18	877	955	877	956	848	952	715	937	893	885	867	893	881	896	905	924	18
19	882	944	875	960	849	951	720	936	895	888	882	896	882	900	906	927	19
20	878	932	873	965	864	936	710	900	902	889	890	900	887	900	904	919	20
21	883	942	880	949	844	956	740	868	907	885	890	900	893	916	904	919	21
22	887	933	882	943	835	965	825	850	895	905	889	900	900	913	908	920	22
23	887	934	879	951	852	948	820	832	894	903	889	900	900	909	900	919	23

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

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

DECEMBER 1925.

Day. / Hour.	17d.		18d.		19d.		20d		21d.		22d.		23d.		24d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	887	913	894	930	888	931	893	933	883	941	894	927	900	931	900	932	Midnight
1h	881	913	895	925	889	926	891	943	886	936	895	924	900	927	900	931	1h
2	888	909	895	924	890	925	886	934	893	935	896	921	900	934	900	932	2
3	885	910	896	918	889	927	888	931	894	930	895	922	900	919	900	929	3
4	890	907	895	922	891	921	890	923	894	931	892	919	900	925	893	935	4
5	890	907	894	928	900	918	891	921	894	930	889	928	900	925	894	930	5
6	890	908	895	922	900	915	879	931	892	938	888	931	900	923	900	929	6
7	888	919	893	935	909	921	886	936	900	933	885	937	900	927	900	933	7
8	886	934	890	949	907	932	884	940	900	946	891	942	906	931	908	938	8
9	907	934	900	948	914	935	900	942	909	944	889	953	907	932	907	934	9
10	907	935	900	955	916	940	909	942	911	953	900	953	908	937	909	943	10
11	907	933	900	954	909	945	909	945	911	954	911	955	916	939	900	951	11
Noon	909	943	911	952	909	943	900	945	910	948	909	945	917	941	890	947	Noon
13h	909	946	910	949	909	943	900	942	889	954	900	951	908	938	900	954	13h
14	910	948	910	950	910	947	900	946	900	954	900	957	909	946	890	947	14
15	911	952	910	951	929	929	900	950	900	955	909	945	918	944	890	949	15
16	900	947	913	962	908	937	900	951	909	946	908	940	909	942	889	952	16
17	890	948	891	943	885	938	900	959	909	943	910	947	900	934	879	950	17
18	880	948	887	933	886	935	883	941	900	937	888	930	900	939	874	939	18
19	888	931	883	942	884	939	883	942	900	944	886	934	900	929	883	925	19
20	886	922	890	925	887	933	886	935	895	926	891	942	900	928	889	916	20
21	886	921	886	935	900	942	877	935	893	935	900	940	900	935	893	917	21
22	893	936	885	937	900	942	882	927	894	930	900	933	900	934	892	910	22
23	893	936	886	935	900	941	877	935	900	933	900	936	900	935	889	916	23

Day. / Hour	25d.		26d.		27d.		28d.		29d.		30d.		31d.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	
Midnight	890	915	885	915	894	913	883	917	888	919	898	911	892	908	886	921	Midnight
1h	889	917	879	921	894	913	882	918	890	915	898	911	892	908	884	922	1h
2	888	918	885	915	882	927	885	915	893	916	897	915	887	913	885	921	2
3	886	922	876	924	882	918	880	920	892	918	897	914	893	907	886	918	3
4	885	923	882	918	881	919	880	920	890	925	897	917	887	913	886	920	4
5	889	916	880	920	880	920	875	925	883	925	898	910	887	913	885	919	5
6	886	921	873	927	885	923	877	923	887	920	896	918	889	911	885	920	6
7	876	936	875	938	883	925	882	945	894	931	899	907	896	904	884	926	7
8	871	943	881	947	879	952	882	944	900	954	907	916	893	907	884	934	8
9	869	946	878	954	870	945	900	973	900	954	909	921	900	876	889	937	9
10	879	951	878	954	875	961	900	953	888	958	919	912	907	867	891	939	10
11	900	959	877	955	878	953	887	962	900	953	931	900	900	867	892	940	11
Noon	900	950	878	952	875	961	888	957	911	952	933	878	892	860	890	938	Noon
13h	867	949	875	960	877	956	888	960	909	944	932	879	889	846	888	937	13h
14	870	946	888	960	879	951	888	957	909	943	912	869	880	852	883	939	14
15	865	952	886	970	876	958	889	955	900	946	914	866	889	845	888	935	15
16	864	855	888	958	875	959	890	949	900	950	917	874	890	852	886	935	16
17	870	945	888	959	887	964	887	965	900	936	900	867	883	858	882	936	17
18	971	944	889	955	877	955	879	952	907	935	895	875	893	868	880	933	18
19	879	931	893	935	886	936	885	937	892	939	887	887	900	880	881	928	19
20	881	928	889	928	879	931	887	932	895	925	887	913	900	889	883	923	20
21	876	936	890	923	872	928	884	940	896	921	888	912	900	994	884	924	21
22	878	922	892	918	873	927	889	926	896	921	887	913	900	894	887	922	22
23	878	922	894	915	900	937	892	919	896	921	892	908	900	889	888	921	23

TABLE XIII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during DECEMBER 1925.

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

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 1925.

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	9	0·6	5	1·0	8	1·4	5	1·8	5	1·6	7	4·4	4	1·8	6	2·9	5	2·0	6	2·8	5	4·6	4	1·10	0	1·10	30	1·1	0	1·0	8	1·1
1h	9	1·3	6	1·5	8	1·1	5	1·4	5	1·7	7	4·9	5	3·1	6	3·6	5	4·5	6	3·1	5	5·2	4	1·01	0	1·36	31	1·6	0	1·5	8	1·7
2	9	1·6	6	1·1	8	1·5	5	1·7	5	2·4	7	4·3	5	3·2	6	2·9	5	1·9	5	2·5	4	5·6	4	1·05	31	1·03	28	1·8	1	1·3	8	1·4
3	9	1·0	6	1·2	8	1·2	6	1·7	6	1·6	7	4·6	4	2·9	6	2·7	5	2·6	5	2·3	4	5·4	4	1·05	28	1·00	28	1·6	1	0·8	7	1·7
4	9	1·1	6	1·0	8	0·9	6	1·7	6	1·9	6	4·5	5	3·1	6	2·4	5	4·0	5	2·8	4	5·5	4	1·10	28	0·75	28	0·9	1	1·6	7	1·8
5	9	1·0	6	1·5	8	0·7	5	2·5	6	1·9	6	4·6	4	2·2	6	3·4	5	2·9	4	3·1	4	5·0	4	1·30	28	0·82	28	0·7	1	1·2	7	1·4
6	9	0·7	6	1·1	8	1·7	6	2·7	6	1·8	6	3·3	4	2·5	6	3·4	5	3·1	4	4·6	4	4·7	4	1·25	28	8·4	27	1·2	1	1·2	7	1·2
7	9	0·7	6	1·8	6	2·4	6	3·7	8	3·4	6	4·1	4	4·4	6	4·6	6	4·2	4	5·2	4	5·2	4	1·73	28	7·3	26	2·8	1	0·7	8	1·3
8	9	1·8	7	2·5	6	3·8	8	4·4	7	4·3	6	5·3	5	6·6	6	6·5	6	5·8	4	6·6	4	6·9	4	1·21	28	6·9	27	3·9	1	0·7	8	1·1
9	13	3·2	9	3·6	6	3·6	10	4·4	9	5·1	6	5·8	6	7·2	7	6·3	6	6·2	5	6·4	4	8·3	4	1·25	28	6·8	26	4·7	0	1·7	10	2·2
10	13	3·3	8	4·1	8	4·0	10	3·8	9	4·5	6	6·3	6	5·8	6	7·2	6	5·7	6	7·0	4	6·8	4	1·54	26	3·3	28	3·8	d31	3·0	10	1·6
11	13	4·4	9	3·4	10	4·4	9	4·6	10	5·4	6	5·4	6	6·6	6	6·9	6	5·5	6	7·2	4	11·9	4	1·25	30	4·1	28	4·9	28	3·1	12	2·2
Noon	13	3·9	9	4·1	8	4·3	9	4·4	10	5·3	7	6·1	6	6·2	6	6·5	6	6·5	6	7·7	4	10·8	4	1·63	0	5·6	26	5·0	28	3·5	d26	1·9
13h	13	4·4	10	3·9	8	4·0	9	4·1	9	4·4	7	6·2	6	6·2	6	6·5	6	6·2	6	7·3	4	10·4	4	1·42	31	4·7	28	5·5	28	4·5	27	2·0
14	5	4·4	10	3·9	8	4·6	9	3·6	8	5·3	7	6·1	6	6·4	6	8·1	6	6·2	6	8·1	4	8·8	4	1·51	31	5·8	30	5·8	30	4·8	30	2·1
15	4	1·3	10	3·0	8	4·4	10	4·8	8	5·3	6	6·5	5	5·9	6	6·6	6	5·8	6	7·0	4	7·0	4	1·01	0	5·5	29	5·0	31	4·5	20	2·3
16	11	1·8	10	1·8	8	4·2	9	4·2	6	5·0	6	5·9	5	5·9	6	6·8	6	6·1	6	7·8	5	7·1	4	1·27	30	4·8	28	4·9	30	5·2	26	2·6
17	9	2·2	10	1·7	7	4·5	8	4·1	7	4·7	6	6·5	5	5·7	6	5·9	6	6·1	6	7·3	4	8·4	2	1·45	29	3·5	30	3·9	31	3·2 r	8	3·1
18	6	1·3	10	1·6	7	4·7	8	4·4	7	4·4	6	6·9	5	5·8	6	5·9	6	6·0	6	6·1	4	7·3	1	1·89	26	1·7	31	3·4	31	1·9	9	2·5
19	6	0·7	8	1·3	6	2·9	6	2·8	6	3·9	5	3·7	5	5·4	6	5·0	6	4·8	6	6·5	4	7·2	1	1·84	26	1·3	31	1·8 r	0	1·8	9	2·8
20	6	0·8	8	0·7	6	1·8	6	1·8	6	3·5	6	3·5	5	4·1	6	4·9	5	3·9	6	7·0	4	5·2	0	1·90	23	1·1 r	0	1·0	0	1·3	9	1·9
21	6	1·2	8	1·2	6	1·6	6	1·9	7	3·9	6	3·2	4	4·1	6	4·4	6	4·5	6	5·3	4	7·9	d31	1·63	22	1·7	0	1·0	6	1·8	9	1·9
22	6	1·1	8	0·7	6	1·2	6	2·1	7	4·4	5	3·2	5	3·1	6	2·8	6	3·5	6	4·7	4	9·2	29	9·0	4	0·7	0	1·1	8	1·3	10	2·2
23	6	1·3	8	1·0	5	1·5	5	2·2	6	4·5	4	3·6	6	4·0	5	2·1	6	3·6	6	5·5	4	6·8	28	9·6	2	0·7	0	1·1	8	0·9	8	1·9

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

d = direct. r = retrograde.

TABLE XIV.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for DECEMBER 1925.

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

TABLE XV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of DECEMBER 1925.

River System.	Register Number.	Station	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	Number of days.
1	2	St. Antoine	50	4·18	101·8	83·8	6
	3	Belmont	50	6·35	160·1	74·0	7
	4	Poudre d'Or	20	6·35	1 60·1	71·4	7
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E.§ ...	300	...	...	...	...
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	4·03	102·3	104·4	10
	9	Beau Séjour	300	5·06	128·5	134·1	14
	10	Mont Piton	360	5·36	136·1	162·8	13
	11	Mon Choix	700	4·00	101 6	152·4	12
	12	Antoinette	640	3·77	95·8	146·6	8
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	11·36	287·2	147.3	16
	15	Mon Songe	620	5·19	129·8	157·2	12
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	5.40	137·2	127·8	10
	19	The Observatory ...	179	4·93	118·7	123· 4	17
	20	Solitude§	175	...	...	...	...
	21	St. André	90	5·48	137·3	...	8
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	..	...	...
	25	Esperance (Trebuchet)*	165	5·61	142·5	...	6
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ..	296	4·79	121·7	...	12
	49	Poudre d'Or Station ...	772	5·48	139·0	...	6
	50	Rivière du Rempart* ...	134	4·96	126·0	...	7
2 & 3	1	Union Régnard S.E. ...	600	7·29	185·2	147·3	8
	2	Constance d'Arifat L.G.	100	4·97	124·6	118·7	7
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	9·21	233·9	100 0	11
	5	Constance (Manès)§ ...	..	...	...	...	...
	6	Queen Victoria§ ...	..	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* §	...	...	...	...	...
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile§	400	...	...	...	...
	3	Beau Champ	20	7·19	180·6	124·7	6
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	12·66	320·2	181·3	16
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	.
	9	Bonne Veine*	...	22·98	583·7	...	23
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	6·02	152·5	...	7
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate* ...	...	6·50	165·1	...	7
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	...	. .	...	...
	2	Tivoli*	1,300	21·51	546·1	...	15
	3	La Flora*	1,050	18·55	470·0	...	16
	4	Britannia	730	11·43	289·7	230 6	15
	5	Savannah (Mill) ...	200	8·71	221·2	50·8	7
	6	St. Aubin§	300	...	...	...	...
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois§	350	...	...	..	...
	9	St. Avold*	900	15·22	386·1	...	16
	10	Terracine§	1000	...	...	...	...
	11	St. Félix S·E.§	...	...	...	...	...
	12	Bel Air§	...	...	...	...	...
	13	Chamouny§	...	...	...	...	...
	14	Union S. E.*	...	7 54	170·6	...	7
	15	Fontenelle*	...	10·08	254·2	...	8
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	.	...	...
7, 8 & 9	1	Bel Ombre	40	5·24	132·2	131·0	5
	3	Beau Champ*	...	6.95	175·4	..	5
	4	Board*	...	4·43	112·5	...	5
	12	Tamarin Station§ ...	155	....	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	23·38	592·0	237·0	24
	3	Mare aux Vacoas ...	1,850	18·04	145·3	267·4	20
	4	La Marie Filter Bed ...	1,700	24·41	619·8	172·7	18
	5	Réunion§	1,420	...	...	.	...
12	1	The Manse	850	10·02	254 6	141 7	12
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma	1,460	22·86	579·3	259.0	15
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	19·89	503·1	...	12
	7	Trianon	950	...	...	...	...
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	4·36	109·4	...	8
	10	Bon Air§	1,050	...	...	. .	...
	11	Val Ory	1,100	13·96	354·6	146·8	16
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or	...	19·32	440·3	...	...
	17	Mon Repos§	...	...	.	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute*	...	...	.	..	10

*Normals not available. §Record not Received.

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 1925.

Day \ Type	Time	Scud		Cumulus Cu. st. &c.		Alto cu: Alto st:		Cirro Cumulus		Cirro Stratus		Cirrus		Time	Scud		Cum: Cu. st. &c.		Alto Cum Alto St:		Cirro Cum		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
	h	°		°		°		°		°				h	°		°		°		°		°		°	
1	9½	...	...	0·4	270	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	10-12	0·5	300	0·3	280	0·1	73	0·1	60	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
3	9½	...	...	0·7	285	...	...	...	...	..	...	...	...	11¾	...	...	0·3	315	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...	12½	0·3	285	0·3	310	...	...	...	...	...	...	...	...
5	9½	...	...	0·4	240	...	...	...	...	...	...	...	...	14¾	1·1	275	0·7	285	...	...	...	...	...	..	...	...
6	8½	0·9	270	1·0	270	...	...	...	...	...	...	...	..	12	1·1	270	1·3	285	...	...	...	...	...	...	...	...
7	11¾	1·0	300	0·6	300	.	...	...	...	...	...	0·2	90	14½	1·7	285	1·0	285	...	...	...	..	...	...	...	...
8	9¾	...	...	0·9	300	...	...	...	...	0·1	120	...	...	12½	...	...	0·9	295	...	...	...	...	...	...	0·2	135
9	9¼	1·0	300	0·6	300	...	...	...	...	0·1	120	...	...	12½	0·7	290	0·3	300	...	..	...	...	..	...	0·1	120
10	9¾	1·0	270	1·0	270	0·7	270	...	...	0·1	105	...	...	18½	..	...	1·9	285	...	...	0·3	150	...	...	0·1	150
11	9½	...	...	0·9	300	...	...	...	...	0·1	195	...	...	12	1·8	315	1·4	315	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	9¾	1·7	90	1·1	100	..	..	...	..	...	...	...	...	11¾	1·0	85	1·2	95	...	...	...	...	...	...	...	...
15	10	...	...	0·6	90	...	...	...	...	...	...	...	...	12½	0·7	90	...	...	...	...	...	...	...	...	...	...
16	6¼	..	...	..	...	0·3	75	...	...	...	...	0·3	90	...	...	...	.	...	...	...	...	...	...	...	...	...
17	9¾	0·7	285	0·5	260	...	...	...	...	..	...	...	...	16¾	...	...	0·5	240	...	...	0·2	120	..	...	...	...
18	9½	1·0	275	0·6	275	...	...	...	...	...	...	...	...	11¾	...	...	0·7	300	...	...	...	...	...	...	...	...
19	9¾	0·6	240	0·3	240	...	...	...	...	...	..	...	...	12¾	...	...	0·6	240	...	...	...	...	...	...	...	...
20	11	1·5	270	0·7	270	0·1	150	...	...	...	..	...	...	14½	...	...	0·4	255	...	...	...	...	...	...	...	...
21	9½	1·8	270	0·8	270	0·1	90	..	...	...	...	0·1	105	16½	1·9	270	...	...	...	...	0·2	120	...	...	...	...
22	8¾	...	...	1·0	240	...	...	0·2	120	...	...	0·2	90	15¼	1·1	270	0·4	260	...	...	...	...	...	...	...	...
23	9¾	0·8	270	0·4	260	...	...	...	...	...	...	0·2	180	14½	1·2	270	0·4	255	0·1	120	...	...	...	...	...	...
24	9¾	1·0	285	0·5	285	...	...	...	...	...	...	...	...	14¼	1·3	270	0·3	300	...	...	...	...	0·1	120	...	...
25	9¾	...	...	0·8	285	...	...	...	...	...	...	...	...	14¾	1·0	285	1·2	300	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...	16	2·3	270	1·8	300	...	...	...	...	...	...	...	...
27	...	...	..	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
28	9¾	0·6	270	0·6	270	...	...	...	...	...	...	...	...	14¼	1·6	270	0·5	270	...	...	...	...	...	...	...	...
29	9¾	...	...	0·5	240	...	...	...	...	...	...	...	...	11½	0·5	255	0·9	255	...	...	...	...	...	...	...	...
30	9¾	...	...	0·2	180	...	...	...	...	...	...	...	...	17¼	...	...	0·4	330	...	...	...	...	...	...	...	...
31	10	...	...	0·4	60	...	...	...	...	...	...	...	...	14¼	0·5	60	0·3	60	...	...	...	...	...	...	0·2	105

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

Monthly and Yearly Means and Extremes of the Meteorological Elements for the Year 1925.

see page 7

Month 1925.	Atmospheric Pressure	Temperature of the Air (Cent). Highest	Lowest	Absolute Range	Mean of the Daily Maxima	Mean of the Daily Minima	Mean of the Daily Ranges.	Mean.	Excess of Air Temperature over Evaporation Temperature.	Temperature of the Dew Point.	Degree of Humidity (Saturation =100).	Elastic Force of Vapour.	Rainfall. Amount recorded by the Beckley Pluviograph.	Duration.	Mean Daily Amount of Evaporation.
	mbs.	c	c	c	c	c	c	c	c	c		mbs.	mm.	mins.	mm.
Jan.	1005·2	31·0	20·1	10·9	29·7	22·6	7·1	25·8	2·6	21·4	76·9	25·2	149·9	1040	6.9
Feb.	1005·5	31·4	20·0	11·4	29·8	22·0	7·8	25·6	3·0	20·5	73·4	23·9	23·6	325	6.5
Mar.	1007·4	31·0	18·7	12·3	29·3	21·6	7·7	24·9	2·4	20·7	78·0	24·2	123·5	913	5.7
Apr.	1009·2	28·9	18·7	10·2	27·4	21·2	6·2	24·1	2·3	20·3	79·2	23·5	263·1	2313	5.1
May	1009·7	28·4	17·3	11·1	26·9	19·6	7·3	22·9	1·8	19·7	82·8	22·9	56·5	883	4.2
June	1010·8	26·4	12·0	14·4	25·3	16·5	8·8	20·6	2·3	16·4	77·4	18·7	52·5	535	3.9
July	1014·0	25·8	14·2	11·6	24·4	16·8	7·6	20·4	2·5	16·0	75·8	18·0	60·8	940	4.1
Aug.	1014·8	25·0	12·3	12·7	23·6	16·3	7·3	19·6	3·0	14·3	71·8	16·2	60·4	680	4.8
Sep.	1013·8	27·6	16·1	11·5	25·7	18·0	7·7	21·3	2·9	16·2	72·8	18·3	16·3	380	6.1
Oct.	1011·5	30·2	15·0	15·2	27·1	18·3	8·8	22·3	3·2	16·0	68·1	18·2	26·6	320	7.8
Nov.	1009·1	29·8	15·0	14·8	27·7	20·4	7·3	23·7	2·8	18·8	74·5	21·6	145·3	1630	7·3
Dec.	1007·6	31·1	20·0	11·1	28·8	22·1	6·7	25·0	2·7	20·4	75·9	23·8	118·7	1500	8·7
Year	1009·8	28·9	16.6	13·1	27·1	19·6	7·5	23·0	2·6	18·4	75·5	21·2	Sum 1097·5	hrs. 191·0	5·9
Max.	1021·4 Aug. 27	31·4 Feb. 14 & 17	...	15·2 Oct.	29·8 Feb.	...	6·2 April	...	...	25·7 Jan. 12	98·8 May 26	32·7 Jan. 12	71·8 ending 1 hour Nov. 30	...	12·0 Dec. 9
Min.	982·6 Dec. 12	...	12·0 Jun. 24	10·2 April	...	16·3 August	...	...	...	9·6 Aug. 21	40·0 Oct. 30	11·9 Aug. 21	...	...	1·0 April 18
Col.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Month 1925.	Temperature on the grass. Mean of the Daily Minima.	Temperature of the Soil (Cent.) Feet 10.	Feet 5.	Feet 2.	ins. 12.	ins. 6.	ins. 3.	Mean Amount of Cloud (0—10).	Daily Duration of Bright Sunshine.	Percentage of Possible Sunshine.	Wind. North Component.	East Component.	Resultant. Direction.	Velocity.	Recorded Velocity.	Number of Days of. Rain.	Thunder storms.	Lightning
	c	c	c	c	c	c	c		hrs.		m.p.s.	m.p.s.	°	m.p.s.	m.p.s.			
Jan.	19·8	24·98	26·00	27·81	28·23	27·84	27·96	5·3	9·04	68·9	−0·51	+2·20	77·0	2·26	2·72	19	2	0
Feb.	18·3	25·30	26·57	28·37	28·60	28·00	27·99	5·4	9·12	71·7	−0·81	+2·00	67·9	2·16	2·81	17	1	0
Mar.	18·6	25·52	26·70	27·71	27·78	27·31	27·19	5·7	7·66	62·8	−0·52	+2·26	66·5	2·32	2·73	21	1	2
Apr.	18·1	25·76	26·60	26·80	26·64	25·96	25·95	5·5	7·84	67·6	−0·90	+2·89	72·7	3·03	3·28	18	1	1
May	16·1	25·83	26·16	25·95	25·70	25·02	24·99	4·9	8·34	74·9	−0·07	+1·69	87·5	1·69	2·12	20	0	0
June	12·3	25·77	25·58	24·39	23·47	22·86	22·60	4·5	7·90	72·4	−1·01	+1·17	49·2	1·55	2·32	12	0	0
July	13·2	25·60	24·67	22·95	22·02	21·61	21·51	5·1	6·90	63·1	−1·37	+2·68	62·9	3·01	3·25	23	0	0
Aug.	12·4	25·23	23·98	22·49	21·72	21·59	21·67	6·0	7·26	63·7	−2·42	+2·64	47·5	3·58	3·81	16	0	0
Sep.	18·3	24·94	23·86	23·26	23·32	23·29	23·20	4·6	8·96	75·1	−1·11	+3·18	70·8	3·37	3·60	9	0	0
Oct.	14·7	24·80	24·24	24·86	24·63	24·54	24·44	5·6	7·77	62·2	−0·24	+2·22	83·8	2·23	3·17	9	0	0
Nov.	17·7	24·71	24·82	25·72	25·81	25·65	25·53	6·3	7·01	54·0	−0·61	+3·25	79·4	3·30	3·68	15	0	0
Dec.	19·4	24·82	25·46	26·87	27·20	27·05	27·20	5·9	9·12	68·7	−1·44	+2·85	63·2	3·19	4·09	17	0	0
Year	16·7	25·27	25·39	25·60	25·43	25·06	25·02	5·4	8·08	67·1	−0·92	+2·42	69·2	2·59	3·13	196	5	3
Max.	..	25·9 in Apr. May & June	26·9 Jan.	28·5 often in Feb.	29·2 Jan. 27	29·5 Jan. 26 & Feb. 14	31·1 Jan. 26	10·0 in Mar Apr May	12·7 Jan. 18	98 Aug. 20	...	...	...	...	19·0 Dec. 12	23 July	2 Jan	2 March
Min.	7·1 June 23	24·7 Nov. & Dec.	23·7 Sept.	22·2 August 15–17	21·0 August 14	19·9 Aug. 13	18·6 June 25	1.0 Jun. 22	0·0 often	0 often	...	...	...	..	0·6 often	9 Sept Oct.	0	0
Col.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

Williams

MEAN MONTHLY VALUES OF THE MAGNETIC ELEMENTS 1925

Month.	Declination (West)	Horizontal Force (C.G.S. Units.)	Vertical Force. (C.G.S. Units.)	Total Force (C.G.S. Units.)	Dip. (South)	X	Y	Z	Mean of the Daily Ranges: Declination.	Mean of the Daily Ranges: Horizontal Force. (Unit 1 γ.)	Mean of the Daily Ranges: Vertic Force (Unit 1 γ.)
	° ′				° ′						
January... ...	11. 5·53	·22925	·29899	0·37676	52.31·25	·22498	—·04410	.29899	6·75	34·0	18·7
February ...	11. 5·98	·22916	·29898	0.37671	52.31·85	·22487	—·04441	·29898	7·01	30·4	15·4
March	11. 6·98	·22920	·29916	0·37687	52.32·57	·22490	—·04419	·29919	7·97	32·2	22·0
April	11. 7·58	·22910	·29890	0·37660	52.31·84	·22480	—·04421	·29890	6·48	34·9	20·7
May	11. 8·09	·22904	·29875	0·37645	52.31·47	·22473	—·04424	·29875	5·43	31·4	17·2
June	11. 9·33	·22897	·29868	0·37635	52.31·56	·22465	—·04434	·29868	4·17	35·1	14·4
July	11. 9·75	·22904	·29855	0·37630	52.30·33	·22473	—·04434	·29855	4·83	28·5	16·9
August	11.10·96	·22893	·29826	0·37599	52.29·46	·22458	—·04440	·29826	5·77	37·4	22·8
September ...	11·12·01	·22884	·29825	0·37593	52.30·11	22448	—·04445	·29825	8·12	46·3	26·5
October... ...	11.11·88	·22892	·29840	0·37609	52.30·44	·22456	—·04446	·29840	8·69	46.1	27·8
November ...	11.12·76	·22897	·29841	0·37613	52.30·00	·22460	—·04452	·29841	8·40	33·2	22·5
December ...	11.13·65	·22913	·29870	0·37646	52.30·55	·22474	—·04461	·29870	9·69	46·4	24·0
For the year* ...	11, 9·55	·22906	·29867	0·37639	52.30·95	·22472	—·04433	·29867	6·94	36·3	20.7

* Mean of the twelve monthly values.

Jamie