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ROYAL ALFRED OBSERVATORY, MAURITIUS.

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RESULTS

OF

MAGNETICAL, AND METEOROLOGICAL OBSERVATIONS

FOR THE MONTH OF

JANUARY 1924

M. HERCHENRODER

Officer in Charge.

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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:

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

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 VI—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—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 amont 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 35—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 in which the mean amount of cloud was 3 or less and an overcast day one in which it was 7 or more.

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

The Rainfall at selected stations in Mauritius (Table XIV) is measured 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 VI 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 XIV have been given in millimetres only and the monthly falls in millimetres and inches, at the request of some planters who have not yet become accustomed to the metric readings.

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.

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

ROYAL ALFRED OBSERVATORY, MAURITIUS

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

RESULTS

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PORT LOUIS
PRINTED AT THE GOVERNMENT PRESS
1924.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of JANUARY 1924

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)
JAN.	° ′			′		
1	10·55·3	·22966	·30005	2·3	28	8
2	55·0	975	004	4·2	15	11
3	54·6	976	005	5·5	46	14
4	54·8	967	011	4·2	29	9
5	54·6	973	014	4·2	24	16
6	53·9	981	014	7·6	28	11
7	55·0	988	014	6·0	19	20
8	54·5	995	015	7·8	20	15
9	54·6	997	015	11.4	45	23
10	54·3	981	016	10·3	96	22
11	55·3	979	021	5·2	34	11
12	54·3	985	014	9·5	31	17
13	54·5	983	013	9·0	27	22
14	54·3	988	009	8·4	44	15
15	53·6	985	009	8·0	49	13
16	55·2	970	008	10·0	34	22
17	54·4	970	007	4·5	28	9
18	54·3	969	003	10·7	26	29
19	54·9	968	002	5·3	22	18
20	54·1	971	·29998	8·5	19	28
21	56·0	984	996	6·4	40	15
22	54·6	975	995	7·2	54	13
23	55·6	960	996	7·0	69	11
24	55·0	961	992	8·7	36	15
25	5·54	964	990	9·3	22	23
26	54·7	965	990	3·7	41	9
27	55·2	967	987	6·3	14	20
28	55·0	970	987	8·2	19	14
29	54·8	970	985	10·7	103	24
30	56·5	926	993	8·2	115	15
31	54·6	944	991	5·0	21	15
Mean	10·54·80	·22973	·30003	7·21	39·0	16·3

List of Magnetic disturbances.

The following notes give a brief description of abnormal magnetic movements. 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, +=an increase and −=a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

JAN. 1924.

4^d $0^h\frac{3}{4}$ wave in in H. F. (−18 γ).

10^d $20^h\frac{3}{4}$ irregular wave in H. F. (−18 γ) followed by irregular increase to 22^h (+30 γ); $23^h\frac{1}{2}$ sudden increase in H. F. (+20 γ).

11^d $0^h\frac{1}{2}$ to 1^h rapid increase in H. F. (+24 γ).

16^d $14^h\frac{1}{3}$ to $16^h\frac{1}{4}$ regular wave in H. F. (+20 γ).

22^d 21^h to $22^h\frac{1}{2}$ rapid decrease in H. F. (−20γ).

23^d $7^h\frac{1}{4}$ to 8^h irregular increase in Dec. (+3′) 10^h to $12^h\frac{1}{3}$ wave in H. F. (−50 γ) with small superposed vibrations; 17^h to $17^h\frac{1}{4}$ rapid increase in H. F. (+20 γ).

24^d 0^h to $1^h\frac{3}{4}$ two successive sharp waves in H. F. (+25γ); $22^h\frac{1}{4}$ to $22^h\frac{3}{4}$ sharp increase in H. F. (+17 γ) followed by irregular oscillations.

29^d $9^h\frac{1}{2}$ sudden increase in H. F. (+20 γ) producing almost a dislocation in the trace and found at the same instant in Dec. but to a lesser extent; uninterrupted oscillations in V. F. from $12^h\frac{1}{2}$; small fluctuations, beginning at 19^h. $19^h\frac{3}{4}$ to $20\frac{1}{4}$ rapid increase in H. F. (+22 γ). $20\frac{3}{4}$ sharp double-crested wave (∓27 γ), in H. F. at the end of this wave, $21\frac{1}{2}$, there is a sudden sharp increase (+25γ) decreasing in a steep rapid double-crested wave (±70 γ). $22^h\frac{1}{4}$ serrated wave in H. F. (−30 γ) very steep at end followed by regular decrease to 30^d 0^h (−100 γ) with superposed vibrations. 22^h to $22^h\frac{1}{2}$ two successive very sharp pointed waves (+18 γ), (+12 γ) in V. F.

30^d $0^h\frac{1}{4}$ to $0^h\frac{1}{2}$ regular steep wave in Dec. (+ 6′); $5\frac{1}{2}^h$ to $5\frac{3}{4}^h$ rapid increase in Dec. (+3′). $0\frac{1}{2}^h$ sharp wave (+50 γ) in H. F. steeper at beg. 3^h to 4^h increase in H. F. (+ 60 γ) and small oscillations. 0^h to $0\frac{1}{2}$ rounded in wave V. F. (+ 11 γ) and small fluctuations throughout. 6^h sharp triple-crested wave in H. F. (+60 γ) beg at at 5^h. $23\frac{1}{2}$ rapid increase in H. F. (+20 γ.)

T=0·37788: Mean Dip.=θ=52°.33′·54 (X=·22557: Y=−·04350: Z=·30003).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JANUARY 1924.

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. 7.13·52	10·51·71	JAN. 11· 9·59	·22968	JAN. 9·10·28	52.29·64	·30010	JAN. 9·13·37	52·31·60	·30017
9. 9·51	10·57·94	·13·33	·22973	16·10·42	52·33·22	·30009	...	...	...
.13·50	10·50·00	18·12·49	·22970	18. 9.12	52.33.58	·30011	...	...	...
16.10·57	10·54·20	21·11·38	·23008	...	...	...	25·13·51	52·32·97	·29994
18. 9·00	10·58.59	·13·33	·22993						
23. 9·17	10·58.94	28·11· 5	·22960						
.13·30	10·52 44	·13·20	·22955						

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

JANUARY 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	55·3	55·3	54·8	55·3	54·5	54·7	56·5	54·7	55·2	54·5	55·0	55·3	55·3	55·0	54·7	56·7	Midnight
1h	55·5	55·2	55·5	55·7	54·7	54·8	54·5	55·3	55·3	54·7	55·7	55·2	55·1	54·8	54·7	56·3	1h
2	55·5	55·5	55·7	55·3	54·7	55·0	54·7	55·2	55·3	54·7	56·3	54·7	54·8	54·7	54·5	56·2	2
3	55·5	55·5	55·9	54·8	55·0	55·3	55·0	55·5	55·3	55·2	55·9	54·5	54·5	54·7	54·5	55·8	3
4	55·5	55·5	56·0	55·3	55·8	55·5	55·5	55·8	55·5	55·3	56·0	54·7	54·5	54·5	54·5	55·7	4
5	55·3	55·7	56·3	55·9	56·0	55·7	55·8	56·2	55·8	56·5	57·7	55·3	54·5	54·5	54·8	56·5	5
6	55·5	56·3	57·2	56·4	57·3	55·8	56·2	56·7	56·3	57·0	55·7	56·0	55·5	55·0	55·5	56·3	6
7	55·9	58·1	57·3	56·7	57·0	57·3	57·3	57·5	57·7	57·8	56·7	57·8	56·5	56·2	57·0	59·5	7
8	56·1	57·8	56·7	56·3	55·3	56·8	58·0	57·8	59·8	59·0	55·8	58·5	57·8	57·7	57·0	59·3	8
9	55·9	56·0	55·5	55·0	53·5	54·0	58·2	57·0	60·7	59·8	57·7	57·0	58·5	56·7	54·7	59·0	9
10	56·1	55·3	54·0	53·7	53·1	52·0	57·0	55·3	56·5	58·0	56·5	56·0	58·1	56·4	53·0	56·2	10
11	56·2	55·2	54·3	43·5	53·2	50·5	55·5	52·7	52·0	54·5	55·5	54·7	57·0	55·8	52·0	53·9	11
Noon	56·0	54·5	54·0	42·5	53·5	49·8	53·0	51·0	49·5	51·0	55·3	51·8	55·2	55·5	51·8	53·0	Noon
13h	55·7	54·1	53·0	42·7	53·5	49·7	52·2	50·3	49·3	49·7	53·0	49·9	52·5	53·5	51·5	52·3	13h
14	55·3	54·2	53·3	44·5	53·8	50·5	52·5	50·0	49·8	49·5	52·5	49·5	49·8	50·2	50·0	50·5	14
15	55·0	54·1	53·7	44·8	54·2	52·2	52·5	50·7	50·7	49·7	52·5	49·0	49·5	49·3	49·0	49·5	15
16	54·3	53·9	52·5	55·3	54·5	53·0	53·3	53·3	52·0	50·0	53·5	50·5	50·0	50·0	49·0	49·8	16
17	53·9	53·9	51·8	55·3	54·3	54·1	54·5	54·3	53·5	52·5	55·3	52·7	51·8	52·5	50·5	52·0	17
18	54·2	53·9	53·5	55·5	54·3	54·5	54·7	54·5	54·6	53·3	54·7	54·3	53·7	53·3	52·7	53·0	18
19	54·7	54·1	53·3	54·7	54·5	54·7	55·3	55·0	54·8	53·7	54·5	55·3	54·7	54·3	54·5	56·5	19
20	54·8	54·0	53·9	54·0	54·5	54·5	54·5	54·7	55·2	54·1	55·0	55·5	54·5	54·5	54·3	56·5	20
21	54·8	54·3	53·3	54·0	54·3	54·3	54·5	54·5	55·2	54·7	55·0	55·3	54·7	54·7	54·7	56·7	21
22	55·0	54·3	53·8	53·9	54·3	53·8	54·5	54·4	55·2	54·8	55·4	55·0	54·8	54·7	55·0	57·0	22
23	55·3	54·7	54·2	54·5	54·4	53·8	54·5	54·5	54·7	54·5	55·3	54·9	54·7	54·7	55·5	56·8	23

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

JANUARY 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	063	073	083	068	065	077	085	088	094	090	067	072	074	079	083	078	Midnight
1h	064	076	093	063	064	079	089	092	093	088	059	085	075	079	084	075	1h
2	065	075	087	073	065	079	090	092	086	093	085	087	075	079	084	067	2
3	067	074	088	067	064	078	093	091	086	095	085	086	077	083	084	073	3
4	066	070	093	063	063	078	097	088	093	104	085	084	079	086	085	077	4
5	067	069	095	059	065	078	094	088	095	107	085	083	083	087	086	082	5
6	068	072	090	057	070	077	097	093	095	107	084	093	086	090	088	087	6
7	071	074	078	068	077	078	091	095	097	107	088	099	096	097	093	077	7
8	073	075	077	075	080	085	090	097	104	113	093	103	099	100	100	077	8
9	079	077	078	078	080	093	098	097	117	119	091	102	096	112	107	078	9
10	081	081	084	080	085	098	093	104	128	112	085	100	095	112	104	087	10
11	079	083	082	086	087	095	095	107	129	102	078	089	084	100	097	081	11
Noon	073	077	077	080	086	092	087	097	117	094	073	077	073	083	072	072	Noon
13h	067	071	075	069	084	085	092	094	108	093	069	072	072	068	058	059	13h
14	061	069	083	068	079	083	095	096	106	087	069	073	074	068	058	053	14
15	053	069	083	069	072	077	087	087	096	086	075	082	083	080	073	055	15
16	053	068	070	062	069	070	082	093	090	072	076	084	087	087	084	065	16
17	055	074	062	057	063	071	079	099	087	055	078	087	089	093	091	058	17
18	057	074	059	058	068	073	080	098	084	037	084	085	085	092	092	058	18
19	059	075	063	063	071	072	080	095	085	023	082	083	084	088	089	064	19
20	063	078	065	063	073	072	081	092	085	037	077	079	084	087	088	063	20
21	067	082	060	063	070	078	080	092	084	025	073	078	084	087	087	067	21
22	067	083	050	064	073	082	080	094	087	050	070	077	084	088	078	068	22
23	068	083	049	065	075	084	084	097	088	055	073	078	084	086	068	068	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. \ Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	067	063	074	065	071	079	051	051	067	063	060	070	073	−016	048	068·2	Midnight
1h	067	073	069	073	075	079	061	062	062	065	060	067	072	+016	038	070·8	1h
2	066	063	067	069	075	080	072	069	063	065	060	067	071	−008	036	070·8	2
3	069	064	065	068	075	083	066	062	072	065	061	067	071	+008	034	071·6	3
4	067	064	069	069	074	084	071	062	074	068	061	069	070	043	037	073·9	4
5	069	064	067	071	076	085	071	063	073	069	062	070	070	046	038	074·7	5
6	073	066	067	070	077	081	079	063	065	068	066	074	070	099	040	077·8	6
7	077	059	067	068	081	085	093	060	071	070	064	077	071	056	040	078·2	7
8	077	059	068	065	082	082	091	055	062	074	063	081	069	036	038	078·8	8
9	078	072	069	076	093	086	098	061	055	079	065	082	070	033	040	082·5	9
10	083	082	078	083	100	085	095	070	053	083	068	081	099	029	041	085·7	10
11	079	087	079	079	111	093	064	065	053	083	069	072	104	015	053	083·2	11
Noon	072	089	070	072	104	085	046	061	052	079	069	069	104	009	054	076·2	Noon
13h	060	077	073	067	095	079	039	072	058	075	074	068	095	018	050	072·1	13h
14	055	072	074	064	085	070	036	077	074	063	074	067	105	019	051	071·2	14
15	056	068	065	069	079	065	029	070	073	059	072	067	099	011	055	069·8	15
16	060	067	067	073	085	069	030	065	072	064	073	070	080	008	053	069·2	16
17	067	067	071	077	086	079	031	066	064	063	070	071	061	018	048	068·9	17
18	073	067	072	070	079	073	047	057	065	059	071	066	050	019	043	067·5	18
19	075	066	064	068	083	065	055	056	062	042	064	063	046	020	034	065·7	19
20	075	063	057	070	080	069	052	050	058	053	064	065	052	026	045	066·6	20
21	077	064	060	070	081	055	044	041	062	054	064	066	074	033	046	066·7	21
22	077	067	064	072	080	053	059	046	063	051	065	067	002	033	044	065·7	22
23	073	067	064	072	080	039	062	056	061	053	071	070	038	032	053	067·6	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*).

JANUARY 1923.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	103	105	107	110	113	115	115	117	119	119	125	120	117	112	111	113	Midnight
1h	103	106	107	111	113	115	115	117	119	119	125	120	117	112	111	111	1h
2	104	105	108	109	115	114	115	115	119	119	121	119	117	112	111	111	2
3	104	106	108	109	116	114	115	115	119	119	121	117	117	112	111	112	3
4	104	106	108	110	117	115	115	116	119	119	121	118	117	112	111	112	4
5	105	106	108	110	117	115	117	117	119	119	121	119	117	112	111	113	5
6	106	108	109	111	120	116	117	119	120	119	121	119	117	113	112	114	6
7	107	110	109	111	122	121	121	121	121	121	124	118	119	114	113	117	7
8	107	110	108	110	119	120	124	122	122	123	126	116	120	112	105	116	8
9	107	106	104	110	115	111	123	121	120	121	125	112	119	109	100	113	9
10	106	105	102	110	115	112	120	119	109	115	121	111	115	109	101	109	10
11	109	105	102	105	111	111	115	116	099	105	120	109	111	110	107	102	11
Noon	109	100	098	105	106	110	110	112	100	105	121	105	109	110	110	101	Noon
13h	103	099	096	110	110	110	104	107	107	104	119	105	104	109	113	103	13h
14	101	101	099	112	110	111	105	109	110	104	115	103	101	102	112	100	14
15	103	103	099	114	111	111	105	108	112	105	115	104	098	099	106	095	15
16	103	101	099	114	112	112	109	109	113	106	119	109	101	101	105	102	16
17	102	101	101	114	112	112	110	110	115	112	121	114	109	106	106	103	17
18	103	101	109	113	113	115	111	112	117	117	119	114	112	110	109	107	18
19	105	103	110	113	114	116	113	115	116	120	119	115	114	110	112	109	19
20	104	104	109	112	115	115	113	116	116	121	120	115	113	110	110	109	20
21	103	104	109	112	115	115	115	116	118	125	120	116	113	110	110	109	21
22	104	104	108	112	115	115	116	117	119	126	120	116	113	110	110	110	22
23	105	105	110	112	116	117	115	118	119	125	120	116	113	110	111	110	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	108	106	102	103	100	095	099	096	092	092	093	090	089	099	092	105·7	Midnight
1h	107	105	102	103	099	095	097	095	093	091	092	090	089	099	093	105·5	1h
2	109	106	102	102	098	095	097	093	092	091	092	090	088	100	093	105·2	2
3	110	107	103	103	099	095	098	093	090	090	091	090	087	100	094	105·3	3
4	110	107	103	103	099	094	098	093	090	090	090	090	087	096	095	105·3	4
5	111	107	104	104	100	095	099	093	092	089	090	090	088	097	094	105·8	5
6	112	108	105	105	102	096	100	094	093	089	090	091	090	093	094	106·5	6
7	110	113	108	108	101	096	101	096	094	088	092	092	091	085	094	107·7	7
8	109	114	110	108	099	099	100	097	094	088	092	090	088	090	094	107·5	8
9	109	105	110	101	097	099	100	097	097	087	091	092	088	089	093	105·5	9
10	106	095	106	098	095	099	100	095	098	087	089	088	085	092	091	103·3	10
11	103	086	102	097	091	094	096	088	097	087	084	082	082	091	089	100·2	11
Noon	104	085	100	096	087	090	093	083	094	085	081	079	078	091	090	098·3	Noon
13h	106	092	100	094	090	090	091	082	089	088	073	078	075	089	086	098·0	13h
14	104	098	097	090	094	092	091	086	083	093	073	08[illegible]	071	088	082	097·3	14
15	104	099	094	083	094	091	090	090	077	092	076	079	073	087	082	096·7	15
16	105	104	092	080	092	091	092	093	075	090	077	080	075	092	080	097·8	16
17	104	105	092	089	092	092	094	093	084	090	084	084	081	094	084	100·3	17
18	103	105	099	095	093	093	093	092	088	092	088	087	083	094	089	102·4	18
19	104	103	103	099	094	096	095	092	090	092	088	089	087	094	092	103·9	19
20	104	103	103	100	095	096	096	093	090	092	088	089	089	094	092	104·1	20
21	105	104	103	100	096	097	096	095	093	093	088	089	085	093	092	104·5	21
22	107	104	103	100	098	099	099	096	092	094	089	089	095	093	092	105·3	22
23	107	104	103	100	098	103	097	095	092	094	090	089	095	093	094	105·7	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1924.

Month and Day 1923.	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.	Rainfall: Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
JAN.	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1002·4	— 4·1	31·3	24·8	6·5	27·6	+ 1·8	3·0	22·6	+ 2·0	74	0	27·1	22·9	0·6	5	6·4	6·5
2	999·0	— 7·4	31·1	25·3	5·8	27·1	+ 1·3	2·3	23·2	+ 2·5	79	+ 5	28·1	24·1	8·3	111	8·3	8·6
3	987·4	—18·9	26·5	24·6	1·9	24·9	— 0·9	1·5	22·3	+ 1·6	86	+ 12	26·7	23·6	38·4	389	4·4	9·9
4	991·7	—14·6	28·7	22·0	6·7	26·1	+ 0·2	2.6	21·7	+ 0·9	77	+ 3	25·7	21·2	14·1	112	3·7	8·5
5	1003·0	— 3·2	29·6	21·3	8·3	25·0	— 0·9	3·7	18·7	— 2·1	68	— 6	21·4	18·2	0·0	...	7·3	2·6
6	1005·4	— 0·7	30·8	20·1	10·7	25·5	— 0·4	4·3	18·2	— 2·6	64	— 11	20·7	17·1	0·0	...	7·8	7·0
7	1007·1	+ 1·1	29·2	17·0	12·2	23·5	— 2·4	4·0	16·6	— 4·3	65	— 10	18·7	...	0·0	...	6·6	5·0
8	1008·0	+ 2·0	30·2	17·2	13·0	24·2	— 1·7	4·0	17·3	— 3·6	66	— 9	19·6	...	0·0	...	7·4	5·0
9	1008·4	+ 2·5	28·6	19·0	9·6	24·4	— 1·5	4·1	17·4	— 3·6	65	— 10	19·7	...	0·0	...	5·2	4·5
10	1009·9	+ 4·1	28·4	19·4	9·0	24·5	— 1·4	3·8	18·2	— 2·8	68	— 7	20.7	14·9	0·5	15	7·2	6·1
11	1010·6	+ 4·8	28·5	20·7	7·8	25·1	— 0·8	3·7	18·8	— 2·2	68	— 7	21·5	18·2	0·0	...	8·0	5·5
12	1009·7	+ 4·0	29·1	22·5	6·6	25·6	— 0·3	2·8	20·8	— 0·3	75	0	24·3	21·1	0·0	...	8·5	5·7
13	1008·1	+ 2·4	29·1	22·9	6·2	25·5	— 0·5	3·1	20·3	— 0·8	73	— 3	23·6	17·9	1·0	10	7·0	4·7
14	1006·0	+ 0·4	30·9	20·4	10·5	25·5	— 0·5	3·1	20·2	— 0·9	72	— 4	23·4	17·9	0·0	...	8·0	2·5
15	1005·3	— 0·2	32·7	21·7	11·0	26·9	+ 0·9	3·4	21·2	0·0	71	— 5	24·9	18·9	0·0	...	8·3	5·0
16	1006·3	+ 0·8	32·1	22·0	10·1	26·8	+ 0·8	2·7	22·2	+ 1·0	76	0	26·5	19·7	0·0	...	6·1	5·9
17	1008·8	+ 3·4	31·7	22·1	9·6	25·9	— 0·1	2·2	22·2	+ 1·0	80	+ 4	26·5	19·6	11·1	95	3·1	5·7
18	1008·6	+ 3·2	29·1	22·0	7·1	24·5	— 1·5	1·5	21·8	+ 0·5	85	+ 9	25·9	20·4	35·5	330	4·5	6·3
19	1007·7	+ 2.4	27·9	22·1	5·8	24·5	— 1·5	1·3	22·3	+ 1·0	88	+ 12	26·7	21·8	38·9	537	2·7	8·5
20	1008·3	+ 3·0	27·6	22·1	5·5	24·1	— 1·9	1·2	22·0	+ 0·7	88	+ 11	26·2	21·8	67·0	426	2·3	9·2
21	1007·9	+ 2·7	29·1	22·6	6·5	25·5	— 0·5	2·6	21·1	— 0·3	77	0	24·8	21·0	1·3	18	6·9	6·2
22	1006·6	+ 1·4	29·7	22·3	7·4	25·3	— 0·7	2·6	20·9	— 0·5	77	0	24·5	19·4	0·0	...	5·5	5·0
23	1005·2	+ 0·1	28·9	21·9	7·0	25·1	— 0·9	2·5	20·8	— 0·6	77	0	24·3	19·0	0·0	...	3·5	7·3
24	1006·0	+ 0·9	30·0	21·9	8·1	25·7	— 0·3	3·5	19·7	— 1·7	70	— 7	22·7	19·3	0·0	...	7·5	5·5
25	1007·8	+ 2·8	28·5	23·0	5·5	24·7	— 1·3	1·7	21·8	+ 0·3	84	+ 7	25·9	20·4	17·7	83	3·2	7·4
26	1007·5	+ 2·5	30·0	23·6	6·4	26·4	+ 0·4	2·5	22·2	+ 0·7	78	+ 1	26·5	21·8	0·0	...	7·5	5·2
27	1006·7	+ 1·8	29·5	22·9	6·6	26·1	+ 0·1	2·0	22·7	+ 1·2	82	+ 4	27·3	21·3	19·5	135	3·5	7·5
28	1006·0	+ 1·1	29·3	23·9	5·4	26·1	+ 0·1	2·6	21·7	+ 0·2	77	— 1	25·7	21·3	13·4	75	6·8	9·1
29	1005·8	+ 1·0	27·3	23·1	4·2	24·9	— 1·1	1·6	22·2	+ 0·6	85	+ 7	26·5	22·8	16·2	110	3·7	9·8
30	1006·0	+ 1·3	28·0	22·4	5·6	24·2	— 1·8	1·3	22·0	+ 0·4	88	+ 10	26·2	21·3	17·1	205	4·6	9·1
31	1006·1	+ 1·4	27·9	22·5	5·4	24·5	— 1·5	1·8	21·4	— 0·2	83	+ 5	25.2	20·6	13·6	170	6·8	8·0
Mean	1005·6	+0·1	29·4	21·9	7·5	25·3	— 0·7	2·7	20·8	— 0·4	76·3	+ 0·3	24·4	20·3	314·2	282·3	5·9	6·5
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
...	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 1924.

Previous conditions of abnormally hot and dry weather were broken during the first days of the month by a cyclone, the centre of which passed in the close vicinity of the Island. A very low drop of pressure was consequently observed, the recovery of which was, however, remarkably rapid. By the 7th of the month the weather conditions were determined by the presence of a well marked anti-cyclonic area: the culmination of the high pressure wave was observed on the 11th.

The passage of two similar waves of lesser intensity were observed on the 17th to 20th and on the 25th during which the greater part of the rainfall for the month was registered.

A thunderstorm also was observed on the 17th and 18th and occasional thunder and lightning on the 19th and 20th. Temperature was generally below normal for the month.

Relative Humidity was very variable during the disturbed period extending from the 17th to the end of the month.

Rainfall was 59% above normal at the Observatory.

Northern Districts	River System 1,	42 % above
Eastern Districts	,, ,, 2, 3, 4,	42 % ,,
South-Eastern Districts	,, ,, 5 & 6	94 % above
Western Districts	River System 11	111% above
	,, ,, 12	41% ,,
	,, ,, 13	91% ,,

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JANUARY 1924

Month and Day 1923.	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	°	°	°	°	°	°	°	
1	7·6	57	− 1·8	+ 4·1	66	4·5	4·5	+ 1·0	24·7	26·4	28·9	29·7	...	29·7	29·5	f. : c.t. : o.q . l. .
2	9·8	74	− 1·4	+ 7·1	83	7·1	7·4	+ 3·9	24·7	26·5	29·1	29·3	...	29·2	29·0	c.q. : o.g.q . r. .
3	0·0	0	− 4·0	+11·2	70	11·9	12·2	+ 8·7	24·8	26·6	29·0	28·8	...	28·3	27·3	o.g. r . q . .
4	4·2	32	− 5·9	− 4·7	321	7·5	8·1	+ 4·6	24·8	26·7	28·6	27·9	...	26·9	26·6	o.g.q . r. : c. f. .
5	10·2	77	− 2·5	+ 0·9	20	2·6	2·9	− 0·6	24·8	26·7	28·2	27·3	...	27·1	27·1	f. : c .
6	9·8	74	− 0·7	+ 0·5	46	0·8	2·6	− 0·9	24·8	26·5	28·0	27·2	...	27·6	27·8	c . : c .f : f. .
7	7·9	60	− 0·5	+ 0·1	11	0·5	1·8	− 1·7	24·8	26·5	28·0	27·5	...	27·3	27·2	f. : c. : f. .
8	8·0	61	− 0·6	+ 0·6	45	0·8	2·1	− 1·4	24·8	27·1	27·9	27·5	...	27·4	27·4	f. : o.g . : .
9	5·1	39	− 1·8	+ 1·5	40	2·5	2·8	− 0·7	24·8	26·6	27·9	27·6	...	27·3	27·0	c. f. : c : f. .
10	8·7	66	− 1·1	+ 3·9	74	4·0	4·3	+ 0·8	24·8	26·6	27·8	27·0	...	26·7	26·3	f. : c.f. : o. : c .
11	10·4	79	− 1·6	+ 4·4	72	5·1	4·7	+ 1·2	24·8	26·6	27·7	27·0	...	26·8	26·6	c . f. : f. .
12	8·9	68	− 1·4	+ 5·5	76	5·7	5·7	+ 2·2	24·9	26·7	27·7	27·0	...	27·2	27·1	f. : c. q . : f.q. .
13	10·8	82	− 0·2	+ 3·7	87	3·7	3·9	+ 0·4	24·9	26·5	27·5	27·1	...	27·3	27·3	c.p. : c . f : f. .
14	11·3	86	+ 0·6	+ 2·2	105	2·3	2·4	− 1·1	24·9	26·6	27·6	27·6	...	27·6	27·7	f. : c. : f. .
15	10·8	82	+ 1·6	0·0	180	1·6	2·1	− 1·4	24·9	26·6	27·8	28·3	...	28·2	28·5	f. : o.g. : c. f . .
16	8·4	64	+ 0·9	− 0·6	214	1·0	2·0	− 1·5	25·0	26·6	28·3	28·5	...	28·6	28·8	f. : c.f. : o.g.t. :
17	5·3	41	− 0·5	+ 0·3	31	0·6	1·4	− 2·1	24·9	26·4	28·1	28·5	...	28·5	28·3	f. . o.g.r.t.s.m : o.
18	3·9	30	− 1·4	+ 1·6	49	2·1	2·2	− 1·3	25·0	26·7	28·3	28·0	...	27·6	27·0	f. :o.g.r.t.s.m : o.g.r.:
19	5·0	38	− 1·5	+ 3·6	67	3·9	4·0	+ 0·5	25·1	26·7	28·2	27·0	...	26·8	26·3	c.f. : o.g.r.q. :o.g.r.l.t.
20	2·5	19	− 0·3	+ 2·7	84	2·7	2·9	− 0·6	25·1	26·7	27·9	26·4	...	25·9	25·5	o.gr.lt: o. g. r. .
21	11·2	86	0·0	+ 2·5	90	2·5	2·6	− 0·9	25·0	26·7	27·6	26·6	...	26·5	26·9	c. f. .
22	6·1	47	− 0·7	+ 1·1	57	1·3	1·9	− 1·6	24·9	26·7	27·6	27·3	...	27·2	27·5	f. : c : f. .
23	7·9	61	− 1·1	+ 1·4	52	1·8	2·0	− 1·5	24·9	26·7	27·6	27·4	...	27·2	27·2	c. f. : c . :
24	4·7	36	− 1·6	+ 2·7	59	2·1	3·3	− 0·2	25·3	26·7	27·6	27·3	...	27·2	27·5	f. : c . .
25	3·4	26	− 1·3	+ 2·6	73	2·7	3·0	− 0·5	25·2	26·7	27·6	27·7	...	27·5	27·3	c. : og.r. : c.f .
26	11·5	89	− 1·2	+ 3·3	78	3·3	3·6	+ 0·1	25·2	26·7	27·7	27·9	...	27·9	27·7	f. : c . f. : f .
27	9·7	75	− 0·1	+ 3·1	88	3·1	3·5	0·0	25·2	26·7	27·7	28·3	...	28·2	28·1	c.f. : o .g. r .
28	8·3	64	− 1·5	+ 4·2	70	4·4	4·5	+ 1·0	25·2	26·7	27·9	28·2	...	27·9	27·7	o.g.r. : o.g. : o .
29	0·7	6	− 1·2	+ 3·6	72	3·8	3·9	+ 0·4	25·2	26·7	28·3	27·8	...	27·6	27·4	o. : o.g.r. : o.g. .
30	2·5	19	− 0·7	+ 2·6	75	2·7	3·0	− 0·5	25·2	26·7	28·1	27·7	...	27·3	27·1	o.g. : o .q. r. : o.g. .
31	7·4	57	− 2·4	+ 4·3	61	4·9	5·0	+ 1·5	25·2	26·4	27·9	27·6	...	27·0	26·8	c.p. d. : c . : o. g. p .
Mean	7·16	54·7	−1·16	+2·58	65·8	2·83	3·75	+0·25	24·96	26·63	28·00	27·74	...	27·53	27·40	...
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	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JANUARY 1924.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1012·0 m.b.s.	at	23h	on 10th	977·3 m.b.s.	at	21h	on 3rd
Temperature of the Air	32·7°C		.	on 15th	17·0°C		...	on 7th
Daily range of temperature of the Air...	13·0°C		...	on 8th	1·°9C		...	on 3rd
Temperature of the Dew Point	24·0°C	at	2h	on 27th	14·°9C	at	3h & 9h	on 7th
Daily range of temperature of the Dew Point	6·7°C		...	on 15th	0·9°C		...	on 3rd
Relative humidity...	99·0%	at	1h	on 27th	50·0%	at	15h	on 15th
Wind Velocity	18·4 m.p.s.	at	22h	on 3rd	0·6 m.p.s.		4h & 21h & 22h	on 16th
Rainfall	97·0 mm.	ending	16h	on 20th	...		...	...
Temperature of the soil at 3 ins. ...	31·1°C	at	18h	on 16th	24·4°C	at	9h	on 20th
,, ,, at 6 ins. ...	30·2°C	at	0h	on 2nd	25·0°C	at	9h	on 20th
Duration of sunshine	11·5h		...	on 26th	0·0°C		...	on 3rd
Amount of Evaporation	8·5 mm.		...	on 12th	2·3 m.m.		...	on 20th
Vapour Tension	28·1 mbs		...	on 2nd	18·7 m.p.s.		...	on 7th
Minimum on Grass	...		...	...	14·9°C		...	on 10th

Number of Days Overcast, 13 Clear 2, of Rain 17, of Lightning 3, of Thunderstorm 2.

Mean Day Temperature of Air 27·°22C, Average 27·°74°C, Mean Night Temperature of Air 23·43°C, Average 23·98°C.

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

† Thermometer broken.

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

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

JANUARY 1924.

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	0029	1015	0964	0820	0001	0073	0080	0091	0095	0100	0118	0106	0096	0078	0059	0060	Midnight
1h	0032	1008	0955	0821	0006	0066	0074	0087	0089	0093	0113	0101	0090	0070	0055	0053	1h
2	0017	1005	0945	0822	0011	0059	0068	0083	0085	0091	0111	0097	0089	0066	0049	0049	2
3	0014	1004	0943	0823	0016	0052	0062	0080	0082	0090	0106	0096	0089	0060	0046	0048	3
4	0013	1000	0936	0834	0012	0048	0058	0080	0079	0089	0108	0096	0089	0061	0047	0048	4
5	0017	0996	0931	0844	0008	0045	0055	0077	0081	0091	0110	0099	0089	0062	0053	0052	5
6	0024	1002	0932	0855	0005	0052	0063	0080	0083	0098	0109	0102	0090	0070	0058	0058	6
7	0030	1007	0931	0877	0015	0059	0067	0081	0085	0100	0111	0105	0092	0074	0061	0058	7
8	0035	1009	0929	0899	0025	0066	0071	0082	0087	0101	0112	0104	0093	0071	0063	0061	8
9	0036	1010	0924	0913	0036	0065	0076	0084	0089	0102	0110	0101	0091	0066	0060	0062	9
10	0035	1008	0917	0925	0033	0060	0073	0082	0089	0100	0109	0098	0085	0062	0056	0062	10
11	0034	0999	0905	0929	0033	0055	0070	0080	0084	0098	0109	0098	0080	0059	0052	0064	11
Noon	0029	0994	0892	0934	0032	0049	0068	0078	0082	0091	0102	0092	0076	0057	0050	0063	Noon
13h	0025	0984	0882	0937	0028	0041	0065	0076	0077	0090	0099	0091	0069	0051	0046	0060	13h
14	0022	0975	0863	0940	0024	0034	0062	0074	0070	0090	0098	0088	0065	0048	0040	0055	14
15	0018	0972	0835	0942	0020	0026	0060	0072	0066	0089	0095	0086	0064	0046	0036	0052	15
16	0014	0965	0825	0942	0020	0023	0060	0068	0068	0090	0091	0084	0064	0042	0035	0056	16
17	0012	0963	0813	0951	0028	0036	0061	0064	0074	0092	0097	0088	0066	0046	0039	0060	17
18	0012	0970	0805	0961	0036	0046	0070	0060	0079	0098	0101	0093	0070	0051	0048	0068	18
19	0023	0976	0790	0972	0044	0052	0076	0071	0084	0104	0107	0098	0078	0057	0056	0078	19
20	0027	0983	0794	0983	0052	0058	0082	0082	0085	0112	0111	0102	0083	0058	0059	0084	20
21	0031	0983	0773	0993	0059	0065	0087	0094	0096	0117	0112	0102	0085	0062	0061	0087	21
22	0030	0981	0780	0995	0073	0075	0091	0099	0099	0120	0112	0101	0083	0067	0067	0088	22
23	0021	0975	0787	0996	0075	0082	0094	0100	0101	0119	0110	0101	0082	0062	0066	0082	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	0078	0097	0081	0086	0086	0078	0064	0059	0072	0086	0078	0071	0060	0059	0070	1006·2	Midnight
1h	0077	0091	0075	0081	0081	0075	0061	0055	0067	0078	0069	0065	0055	0055	0066	1005·7	1h
2	0076	0083	0068	0075	0073	0068	0055	0049	0065	0072	0063	0059	0049	0053	0262	1005·2	2
3	0078	0078	0073	0070	0068	0064	0049	0047	0064	0074	0058	0057	0050	0051	0059	1005·0	3
4	0078	0078	0073	0073	0070	0062	0048	0048	0062	0074	0059	0051	0050	0050	0059	1004·9	4
5	0081	0081	0074	0077	0075	0065	0050	0050	0068	0079	0062	0050	0051	0050	0059	1005·1	5
6	0087	0090	0077	0079	0083	0072	0053	0057	0072	0082	0069	0053	0058	0056	0060	1005·6	6
7	0091	0092	0081	0086	0083	0071	0056	0060	0080	0087	0072	0060	0060	0062	0063	1006·0	7
8	0092	0093	0082	0087	0085	0073	0054	0062	0083	0087	0075	0063	0066	0066	0066	1006·3	8
9	0092	0094	0079	0083	0086	0073	0052	0064	0086	0086	0073	0068	0071	0068	0070	1006·4	9
10	0090	0094	0079	0084	0085	0070	0052	0061	0084	0083	0077	0067	0070	0067	0070	1006·2	10
11	0091	0093	0080	0082	0084	0069	0051	0064	0082	0077	0072	0062	0065	0065	0069	1006·0	11
Noon	0089	0094	0077	0081	0081	0065	0048	0055	0080	0072	0065	0060	0061	0059	0065	1005·6	Noon
13h	0087	0089	0071	0078	0079	0061	0047	0052	0077	0068	0058	0058	0057	0057	0060	1005·2	13h
14	0085	0087	0068	0075	0075	0058	0043	0050	0074	0064	0056	0052	0052	0055	0055	1004·8	14
15	0084	0075	0063	0072	0074	0056	0040	0048	0074	0061	0053	0051	0048	0054	0050	1004·5	15
16	0077	0072	0063	0073	0068	0051	0041	0048	0074	0059	0050	0048	0047	0053	0049	1004·3	16
17	0078	0075	0065	0080	0071	0052	0043	0052	0075	0063	0057	0049	0051	0055	0051	1004·5	17
18	0088	0077	0078	0085	0076	0057	0045	0059	0076	0067	0065	0057	0053	0058	0054	1005·1	18
19	0097	0083	0082	0089	0081	0063	0052	0068	0088	0076	0073	0065	0059	0062	0056	1005·7	19
20	0101	0087	0086	0095	0085	0069	0055	0071	0088	0079	0077	0067	0062	0066	0058	1006·1	20
21	0103	0091	0090	0096	0087	0072	0058	0077	0092	0078	0080	0068	0067	0071	0061	1006·4	21
22	0105	0090	0093	0095	0087	0073	0066	0082	0094	0079	0079	0069	0071	0074	0063	1006·7	22
23	0104	0086	0089	0095	0085	0072	0065	0084	0091	0080	0078	0067	0071	0073	0062	1006·6	23

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

Hour. \ Day.	JANUARY 1924.																															
	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	2	6	8	10	3	8	0	1	4	2	5	5	6	1	0	2	4	1	7	10	8	4	7	2	9	1	4	10	9	10	8	5·1
1h	2	5	10	10	3	9	0	1	3	4	5	5	8	0	1	1	3	1	6	10	7	4	7	3	9	4	5	10	9	10	7	5·2
2	2	5	9	10	2	9	0	1	2	3	3	3	6	0	1	1	2	1	7	10	8	3	6	4	9	6	5	10	9	10	7	5·0
3	1	4	10	10	2	9	0	2	2	2	2	2	5	0	2	1	1	0	6	10	7	3	5	2	9	8	6	10	9	10	6	4·7
4	2	9	10	10	2	9	0	2	2	2	5	3	5	1	2	1	1	1	6	10	7	2	6	1	8	5	4	10	10	10	6	4·9
5	2	9	10	10	2	9	1	2	2	3	9	4	5	3	2	2	2	2	6	10	6	2	6	2	7	4	4	9	10	10	6	5·2
6	6	10	10	10	2	9	2	4	3	3	6	5	5	3	3	4	3	2	7	10	6	3	5	5	8	4	5	9	10	10	6	5·7
7	7	10	10	10	2	9	3	4	4	3	8	7	5	3	4	5	3	3	7	10	5	2	5	5	5	5	6	9	9	10	5	5·9
8	7	9	10	10	0	9	5	4	3	5	7	7	5	2	7	5	7	4	6	9	5	3	7	1	6	6	6	9	10	10	8	6·2
9	7	9	10	10	0	9	8	5	2	7	6	8	6	2	9	6	6	5	8	8	5	4	8	2	9	7	7	9	10	10	7	6·7
10	9	9	10	10	2	9	7	2	4	6	5	8	6	1	8	7	7	9	8	7	6	6	9	2	9	8	7	9	9	9	7	6·9
11	10	8	10	10	3	9	4	3	5	7	6	8	6	1	8	7	7	8	8	7	6	6	9	5	10	8	7	9	9	6	8	7·0
Noon	8	8	10	10	3	8	6	3	5	7	6	6	6	1	8	6	9	10	10	8	5	5	8	5	9	7	8	8	10	7	9	7·1
13h	8	9	10	10	4	8	8	4	6	6	7	6	5	2	6	8	9	10	10	9	5	6	8	6	9	7	8	7	10	7	8	7·3
14	8	9	10	9	4	8	9	5	6	8	7	6	5	3	6	7	10	10	9	9	6	8	8	6	10	7	9	7	10	8	9	7·6
15	9	9	10	8	2	8	9	9	9	9	7	7	6	4	8	9	8	10	10	10	7	9	9	8	10	7	9	8	10	10	9	8·3
16	9	9	10	8	2	8	9	9	9	9	7	8	6	5	6	8	9	9	10	10	7	9	9	9	10	6	9	10	10	9	10	8·3
17	8	10	10	7	2	8	8	9	9	9	6	8	5	4	6	9	10	9	10	10	8	8	8	9	9	6	9	10	10	8	10	8·1
18	8	10	10	7	2	8	8	9	9	9	5	8	4	4	5	9	8	9	10	10	8	8	9	9	7	4	10	10	10	10	10	8·0
19	8	10	10	5	2	4	8	9	7	9	5	7	3	7	5	9	9	9	10	10	8	5	8	8	6	4	10	10	10	10	10	7·6
20	8	10	10	6	2	2	8	9	5	9	4	6	2	6	5	9	9	9	10	9	6	4	7	9	6	3	10	10	10	9	9	7·1
21	7	10	10	7	3	1	8	9	4	8	3	2	2	3	7	9	8	9	10	9	6	3	8	8	4	3	10	8	10	9	9	6·7
22	8	9	10	6	5	1	5	8	1	8	4	3	1	3	6	9	2	9	10	9	5	5	8	9	2	2	10	9	10	9	9	6·3
23	7	9	10	4	7	0	3	6	3	7	4	4	2	2	4	7	1	9	10	9	5	6	6	9	2	3	10	9	10	9	9	6·0

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

Hour* Ending \ Day.	JANUARY 1924.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
7	40	20	0	0	50	22	50	37	55	58	25	18	52	39	50	53	60	58	55	0	40	60	60	40	60	45	58	40	0	0	40	19·7
8	45	57	0	3	60	60	60	55	60	59	40	55	40	60	50	35	55	60	54	0	48	60	60	60	35	60	60	58	0	0	58	23·5
9	42	47	0	0	60	60	38	58	60	40	28	60	35	60	35	40	45	60	32	5	60	60	60	60	0	60	60	60	0	0	58	21·1
10	22	60	0	0	60	60	55	55	58	59	60	60	58	60	60	50	46	34	44	53	60	60	60	60	0	58	60	60	0	38	60	24·5
11	25	60	0	0	25	60	57	35	25	60	60	60	60	60	55	22	27	20	48	38	60	58	60	18	0	58	60	60	12	50	60	21·5
Noon	40	60	0	0	42	60	58	50	5	60	60	60	58	60	50	48	0	0	26	30	60	58	60	0	0	60	60	60	28	16	58	20·5
13h	38	60	0	2	22	40	38	42	25	60	60	60	59	60	52	47	0	0	0	0	60	35	26	10	20	60	60	60	0	12	30	17·3
14	40	60	0	35	60	60	34	57	12	52	58	60	60	60	60	52	0	0	20	15	60	0	0	0	10	60	60	57	0	5	50	18·3
15	40	60	0	50	60	45	18	40	0	37	60	50	58	60	60	56	0	0	22	5	60	0	30	0	0	60	60	40	0	0	30	16·7
16	35	55	0	60	60	50	25	18	0	28	60	40	60	60	60	50	15	0	0	0	60	0	24	10	0	60	35	0	5	0	0	14·5
17	60	46	0	60	60	45	37	18	0	10	60	2	60	60	60	47	50	0	0	0	60	0	25	10	30	60	0	0	0	12	0	14·5
18	30	2	0	40	55	24	5	13	2	2	50	12	45	40	52	0	20	0	0	0	42	5	10	10	50	48	10	0	0	15	0	9·7
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0

The total amount of registered sunshine was 222·0 hours and the total possible sunshine 407·6 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

Day. / Hour.	1d. Air.	1d. Excess of Air over Evap.	2d.* Air.	2d.* Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	25·0	1·0	25·4	1·1	24·6	0·6	...	...	24·0	1·5	22.0	2·0	18·3	1·5	20·0	2·0	Midnight
1h	24·9	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
2	24·7	0·8	...	...	...	...	...	...	...	...	...	...		...	...	...	2
3	25·9	1·8	25·0	0·9	24·8	0·8	...	...	22·4	1·3	21·2	1·9	17·5	1·4	18·1	1·2	3
4	24·8	1·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
5	24·5	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
6	26·4	1·8	26·2	1·9	25·8	1·8	...	...	21·5	1·5	21·2	2·4	18·2	1·1	18·8	1·5	6
7	27·1	2·0	26·1	1·3	...	...	...	...	...	...	...	...	...	...	...	...	7
8	28·3	3·4	27·5	2·4	...	...	...	...	...	...	...	...	..	...	...	...	8
9	28·7	3·8	27·9	2·5	24·6	1·1	24·9	1·0	28·0	...	...	...	26·0	6·6	26·7	5·2	9
10	28·4	3·5	28·9	3·6	...	...	...	...	...	...	...	...	...	...	...	...	10
11	29·3	4·2	29·6	4·4	...	...	...	...	...	...	...	...	...	...	...		11
Noon	30·0	4·9	29·3	3·9	24·8	1·2	25·2	1·1	28·7	...	...	...	28·9	6·2	30·2	6·5	Noon
13h	30·2	5·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13h
14	31·3	6·1	...	...	...	...		...	...	...	...	...		...	...	...	14
15	30·5	5·3	30·3	4·8	...	...	28·5	3·5	28·8	...	29·8	6·6	28·5	6·4	28·0	5·1	15
16	29·9	4·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16
17	29·1	4·6	..	...	...	..	...	...	...	...	...	...	.	...	...	...	17
18	28·2	4·1	26.8	1·8	...	...	26·9	2·9	25·1	...	26·6	5·6	26·2	5·2	27·1	5·3	18
19	27·5	3·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
20	27·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
21	26·8	2·2	26·2	1·9	...	...	25·0	1·9	22·8	...	21·8	3·3	23·8	4·0	24·7	5·4	21
22	26·5	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	22
23	26·0	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	20·0	1·0	22·2	2·1	23·0	2·2	24·0	2·9	24·5	2·4	22·5	1·6	23·2	1·3	23·8	1·7	Midnight
1h	...	...	...	...	...	...	...	...	...	...	...	...	22·9	1·0	23·1	1·1	1h
2	...	...	...	...	...	...	...	..	...	...	...	...	22·6	1·2	23·0	1·1	2
3	19·0	1·0	21·2	2·2	21·7	1·8	23·0	0·9	23·7	1·6	21·0	1·1	22·4	1·3	22·6	1·1	3
4	...	...	...	...	...	...	...	...	...	...	...	...	22·3	1·4	22·0	0·9	4
5	...	...	...	...	...	...	...	...	...	...	...	...	22·2	1·5	22·2	1·0	5
6	22·0	2·0	22·1	2·3	22·2	2·2	23·3	1·3	23·0	1·0	21·2	1·4	22·9	0·9	22·4	1·0	6
7	...	...	...	...	...	...	...	...	...	...	...	...	25·0	1·6	25·5	1·4	7
8	...	...	...	...	...	...	...	...	...	...	...	...	26·9	3·0	26·4	1·4	8
9	28·5	7·2	27·0	5·4	26·8	4·9	27·1	4·0	28·0	4·8	27·7	4·4	27·3	3·2	28·7	3·5	9
10	...	...	...	...	...	...	..	...	...	...	...	...	29·5	4·5	30·2	4·0	10
11	...	...	...	...	...	...	...	...	...	...	...	...	30·1	5·0	29·3	4·0	11
Noon	28·3	5·5	27·7	5·6	28·3	5·8	28·8	4·9	28·5	4·8	29·9	59	30·6	5·6	31·5	4·9	Noon
13h	...	...	...	...	...	...	..	...	...	...	...	...	31·9	5·9	31·3	4·9	13h
14	...	...	...	...	...	...	...	...	...	...	30·5	...	32·4	6·9	31·1	4·9	14
15	27·0	6·0	27·1	5·2	27·8	5·5	28·1	4·6	28·2	5·1	29·7	5·8	32·2	7·0	30·8	4·8	15
16	...	...	...	...	...	...	...	...	...	...	29·2	5·5	32·0	6·7	30·5	4·5	16
17	...	...	...	...	...	...	...	...	...	...	28·1	4·9	31·2	6·4	29·5	4·1	17
18	25·8	5·0	24·5	3·4	26·5	4·6	25·8	2·9	26·0	3·7	26·9	3·8	29·8	5·1	28·5	3·5	18
19	...	...	...	...	...	...	...	...	...	...	25·9	2·9	28·0	4·1	27·3	2·7	19
20	...	...	...	...	...	...	...	...	...	...	25·1	2·2	26·3	2·7	26·8	2·6	20
21	23·2	3·4	23·8	3·3	24·0	2·5	24·8	2·8	23·0	1·5	25·0	2·2	25·2	2·3	26·0	2·0	21
22	...	...	...	...	...	...	...	...	...	...	24·1	1·4	24·7	2.1	25·0	1·2	22
23	...	...	...	...	...	...	...	...	...	...	23·8	1·5	24·0	1·9	24·8	1·6	23

* From 2d to 14d the register was defective. Eye observations are given.

TABLE X. (*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°)

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Hour. \ Day.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	24·5	1·5	23·7	0·9	24·0	1·0	23·0	0·2	23·1	1·0	23·1	1·1	22·5	1.0	23·1	1·2	Midnight
1h	23·8	1·3	23·4	1·0	23·9	1·0	23·2	0·5	23·2	0·9	23·2	1·1	22·3	0·9	23·0	1·4	1h
2	23·4	1·4	23·0	1·0	23·9	1·1	23·0	0·4	23·3	0·8	22·9	1·0	22·4	0·9	22·5	1·3	2
3	22·9	1·0	22·8	0·9	23·9	1·0	23·0	0·5	23·3	1·0	22·7	1·4	22·2	0·9	22·9	1·8	3
4	22·5	1·1	22·8	0·9	23·9	0·9	23·2	0·8	23·0	1·1	22·6	1·3	21·9	0·9	21·8	1·2	4
5	22·0	0·8	22·5	0·5	23·8	1·1	23·1	0·8	23·0	1·1	22·8	1·3	22·3	1·1	22·4	1·5	5
6	23·9	1·4	23·8	1·6	23·9	1·0	22·9	0·7	22·9	1·2	22·2	1·0	22·5	1·0	22·3	1·3	6
7	25·9	2·1	25·4	1·1	25·5	1·9	22·2	0·5	23·7	0.8	25·0	1·7	25·2	1·9	25·0	2·7	7
8	28·3	3·4	27·9	3·1	26·3	2·3	23·4	0·5	25·9	2·2	26·9	3·2	26·8	3·3	26·5	3·6	8
9	29·4	4·2	28·2	3.5	26·5	2.4	24·2	1·1	27·2	3·6	27·8	4·0	27·9	4·2	27·8	4·8	9
10	30·4	4·4	27·8	2·7	26·2	1·7	26·0	2·1	27·9	4·1	28·8	5·2	28·3	4·3	28·9	5·7	10
11	30·5	5·1	28·3	3·3	27·6	3·3	25·5	1·5	28·4	4·5	28·9	5·4	26·2	2·3	29·2	5·9	11
Noon	28·9	3·9	24·2	1·3	24·8	1·8	26·9	3·4	28·2	4·5	29·5	5·8	27·7	4·0	29·5	6·3	Noon
13h	27·5	2·8	23·8	1·7	24·9	1·5	25·9	1·9	29·1	5·0	29·1	5·2	28·3	4·4	28·9	5·9	13h
14	25·9	2·0	23·9	1·8	25·9	1·9	25·7	1·6	28·2	4·2	27·1	3·5	27·8	3·5	28·9	5·3	14
15	25·6	1·5	22·9	2·0	25·0	1.2	25·6	1·5	28·4	4·5	25·0	1·6	27·6	4·1	28·4	4·9	15
16	26·5	1·7	23·4	1·5	24·2	1·1	24·9	1·3	28·2	4·3	25·5	2·0	27·7	4·1	27·9	4·8	16
17	28·9	3·7	24·2	1·9	24·0	1·0	24·4	1·3	27·7	4·5	27·0	3·7	26·9	3·8	27·2	5·0	17
18	27·0	3·2	24·9	1·3	23·5	0.8	24·1	2·1	26·6	3·4	26·7	3·6	26·1	3·3	26·1	3·4	18
19	26·5	2·5	24·0	0·9	23·2	0·8	23·9	0·9	25·3	2·2	25·9	3·1	25·2	2·6	25·3	3·2	19
20	25·0	1·0	23·9	1·0	23·4	0·8	23·3	1·0	24·0	2·1	24·9	2·4	24·1	2·0	24·8	2·7	20
21	25.0	1·0	24·1	1·1	23·3	0·4	23·5	1·3	23·8	1·7	24·0	1·9	23·9	1·8	24·5	2·6	21
22	24·5	0·8	23·9	1·1	23·1	0·9	23·3	1·0	23·5	1·4	23·4	1·4	23·7	1·6	24·3	2·4	22
23	24·0	0·8	23·9	0·8	23·1	1·0	23·1	1·0	23·6	1·4	23·0	1·3	23·2	1·3	24·3	2·5	23

Hour. \ Day.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean. Air.	Mean. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	24·0	2·2	23·8	1·1	24·9	0·9	24·8	0·9	24·9	1·8	24·0	0·8	23·0	0·9	23·3	1·3	Midnight
1h	23.9	2·1	23·9	1·0	24·1	0·2	24·7	0·8	24·9	1 8	23·6	1·1	23·7	1·1	23·0	1·1	1h
2	23·6	1·9	23·9	1·0	24·5	0·3	24·2	0·9	24·8	1·7	23·1	0·9	23·5	1·4	22·8	1·1	2
3	23·3	1·6	23·6	1·1	24·2	0·2	24·1	0·6	24·6	1·7	23·6	1·6	23·7	1·6	22·6	1·2	3
4	23·1	1·5	24·0	1·1	24·7	0·7	24·0	0·8	24·6	1·5	23·6	0·7	23·4	1·3	22·5	1·1	4
5	23·1	1·2	23·9	0·9	24·5	0·4	24·0	0·9	24·7	1·4	23·1	1·0	22·9	1·4	22·6	1·2	5
6	23·3	1·3	23·7	0·7	25·2	1·0	23·9	1·0	24·3	1·2	23·0	0·9	22·9	1·4	22.9	1·3	6
7	25·5	2·8	25·2	1·5	26·2	1·4	25·0	1·8	25·0	1·5	22·9	1·0	24·5	1·6	24·6	2·1	7
8	27·2	3·8	27·0	3·0	27·1	2·6	26·4	2·3	24·6	1 4	23·8	0·8	25·2	1·9	26·2	3·0	8
9	26·9	3·7	28·2	3·3	27·8	2·9	27·8	3·8	24·1	1·1	24·1	0·4	26·2	2·6	27·2	3·8	9
10	27·0	3·3	28·5	3·9	28·5	3·4	28·1	4·2	23·9	1·0	25·9	1·9	27·1	3·9	28·0	4·3	10
11	25·0	1·1	29·1	4·0	29·1	4·2	28·3	4·1	25·7	1·7	27·2	2·5	27·8	4·5	28·3	4·5	11
Noon	26·3	2·5	29·4	4·8	29·2	4·2	28·9	4·6	27·2	3·0	27·3	3·1	25·9	2·7	28·4	4·6	Noon
13h	27·7	3·7	29·4	4·7	29·2	4·2	29·0	4·9	26·2	2·1	27·7	3·7	25·5	1·8	28·4	4·5	13h
14	25·5	1·5	29·3	4·8	29·1	4·2	28·8	4·9	25·9	1·4	26·5	2·6	27·3	3·3	28·1	4·2	14
15	24·9	0·8	29·2	4·7	29·1	4·1	28·4	4·5	26·1	2·5	23·7	0·8	25·6	2·0	27·6	4·0	15
16	24·5	0·6	29·2	5·0	28·6	3·6	27·1	4·0	26·1	2·2	23·4	0·6	23·8	0·9	27·1	3·6	16
17	25·0	1·0	28·6	4·4	25·2	2·1	26·4	3·4	25·8	2 3	23·6	0·7	23·0	1·0	26·7	3·6	17
18	25·1	1·4	27·5	3·6	26·4	1·5	26·1	3·1	25·2	2·0	24·6	1·1	23·7	1·2	26·1	3·2	18
19	23·9	0·8	26·1	2·1	24·0	1·7	25·7	2·7	24·0	1·1	23·4	1·1	23·6	0·8	25·2	2·6	19
20	23·4	0·5	25·5	1·6	23·8	0·9	25·2	2·2	23·8	1·3	23·2	0·9	23·6	1·4	24·6	2·3	20
21	23·5	0·6	25·1	1·2	23·5	0·5	25·1	2·1	24·0	0·9	23·3	0·9	23·7	1·2	24·3	2·1	21
22	23·7	0·8	25·0	1·1	23·7	0·8	25·0	2·1	24·2	1·0	22·9	0·9	23·7	1·4	23·9	1·7	22
23	23 6	0·7	25·0	1·0	23·7	1·6	25·1	2·2	24·0	0·9	23·0	1·0	23·6	1·5	23·5	1·6	23

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

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

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Day. / Hour.	1d.		2d.		3d.		4d.		5d.		6d.		7d.		8d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	885	915	882	945	869	974	817	983	903	894	887	906	884	907	892	908	Midnight
1h	884	916	881	946	900	976	836	900	890	896	890	904	884	907	888	912	1h
2	891	921	876	958	882	989	856	856	892	897	887	906	885	906	887	913	2
3	885	915	890	951	882	991	826	826	894	897	886	906	890	904	889	911	3
4	887	913	882	945	880	999	793	828	894	898	885	906	881	908	892	908	4
5	892	908	875	960	881	993	805	805	892	897	883	907	888	905	892	908	5
6	889	917	880	949	882	989	798	832	890	896	881	908	890	904	884	916	6
7	878	932	880	948	878	1012	813	813	894	897	883	907	894	903	892	908	7
8	886	934	872	967	879	1006	835	835	892	897	865	914	890	904	900	910	8
9	883	943	883	984	880	1003	827	851	896	891	862	915	893	903	904	918	9
10	883	941	882	991	876	1020	839	839	896	890	861	916	879	909	900	918	10
11	878	954	884	979	900	1024	837	806	865	900	886	910	874	895	895	923	11
Noon	887	962	884	979	862	990	834	834	857	918	887	913	908	880	921	900	Noon
13h	875	961	900	980	900	1008	843	843	855	930	926	889	910	875	895	878	13h
14	911	952	900	997	853	1013	830	830	839	925	933	893	911	872	913	868	14
15	875	959	882	989	900	1053	816	844	833	928	943	900	904	890	917	875	15
16	872	967	900	983	869	1058	823	849	833	928	951	890	903	883	907	884	16
17	858	963	900	1004	855	1008	836	836	842	939	933	893	920	887	896	881	17
18	877	956	883	985	821	1019	855	855	864	924	924	900	918	908	915	915	18
19	878	952	900	961	813	1030	866	866	856	929	876	905	915	907	882	918	19
20	879	951	883	986	805	1043	884	876	873	918	873	906	894	915	880	920	20
21	879	950	900	943	806	1041	883	875	886	910	880	908	888	918	877	915	21
22	883	941	858	1002	798	1053	888	882	885	910	876	910	889	911	871	919	22
23	882	943	900	976	802	998	896	894	890	907	884	907	886	914	879	914	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	884	911	889	911	885	924	874	940	891	945	900	927	900	912	908	902	Midnight
1h	880	913	883	917	885	916	882	927	890	948	900	925	900	913	910	904	1h
2	888	909	886	914	885	924	884	924	892	939	900	914	900	912	896	910	2
3	881	907	880	920	888.	919	879	950	890	925	900	915	900	920	892	911	3
4	884	911	888	912	886	921	881	946	881	928	900	926	900	914	897	905	4
5	890	908	892	908	885	923	883	942	878	922	900	921	900	912	895	907	5
6	890	908	891	909	889	926	882	943	890	923	900	914	900	910	893	909	6
7	885	910	880	920	880	930	889	953	882	927	900	913	900	911	898	909	7
8	867	922	890	949	882	944	880	948	900	946	900	930	910	910	929	906	8
9	879	921	900	963	888	961	885	974	900	946	905	926	923	890	933	907	9
10	876	910	888	961	900	967	886	970	900	954	908	920	933	887	937	900	10
11	883	917	900	975	886	967	900	972	912	958	909	922	925	900	939	900	11
Noon	908	880	913	966	889	952	886	967	908	938	918	918	944	900	937	875	Noon
13h	900	876	900	958	879	952	886	969	919	946	918	927	939	884	928	881	13h
14	907	884	900	966	889	952	876	957	920	949	925	925	941	883	915	862	14
15	879	932	900	966	873	965	886	969	909	946	916	924	925	883	907	867	15
16	868	932	877	955	886	972	885	977	900	949	911	929	936	893	905	875	16
17	874	939	876	957	885	977	887	964	891	944	914	934	931	888	905	878	17
18	876	936	877	956	878	953	887	966	900	947	911	929	919	888	906	885	18
19	881	928	880	949	872	941	887	965	900	937	906	915	914	900	900	888	19
20	871	929	883	943	875	938	900	949	900	927	906	931	911	900	900	892	20
21	868	932	890	924	886	934	900	947	900	925	900	917	909	900	900	894	21
22	868	932	884	924	883	941	891	943	900	925	900	909	908	900	900	894	22
23	880	920	892	911	882	944	890	947	900	916	900	922	907	900	900	891	23

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

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

JANUARY 1924.

Hour. \ Day.	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	900	892	908	879	921	911	952	900	913	892	908	892	908	891	907	Midnight
1h	891	904	888	912	883	925	895	926	900	918	892	908	891	909	893	904	1h
2	888	905	895	912	889	928	890	923	892	919	889	911	891	909	894	904	2
3	890	904	890	915	885	924	908	908	892	919	892	908	889	911	892	903	3
4	885	907	892	908	878	932	908	908	887	913	894	906	890	910	889	905	4
5	889	911	889	911	889	926	907	915	893	915	892	908	891	907	883	907	5
6	892	908	892	908	880	930	900	923	888	919	892	908	885	906	881	913	6
7	895	905	891	909	882	944	900	934	893	916	887	913	888	905	878	922	7
8	900	907	890	925	883	941	890	924	900	923	888	931	885	924	888	930	8
9	902	910	889	929	882	944	883	941	908	941	894	930	887	934	887	934	9
10	919	887	897	914	881	947	882	945	907	932	900	929	885	938	872	941	10
11	936	893	861	939	874	962	884	940	917	943	900	933	877	923	894	927	11
Noon	881	904	878	895	879	951	918	944	914	936	900	933	900	926	900	931	Noon
13h	874	900	878	909	886	935	884	940	917	926	900	955	881	887	900	944	13h
14	907	883	873	927	889	954	893	926	907	935	881	887	884	893	882	944	14
15	891	904	895	922	872	967	919	928	908	941	874	874	900	917	878	953	15
16	892	902	889	911	882	944	905	924	908	938	893	890	889	929	872	942	16
17	887	887	876	924	887	933	889	916	900	927	913	906	888	931	882	945	17
18	908	908	889	917	883	941	889	926	900	943	900	925	889	929	875	938	18
19	890	910	890	915	889	927	889	926	900	929	896	918	889	911	881	928	19
20	894	906	887	920	892	919	893	916	895	922	893	907	885	915	877	934	20
21	892	908	890	910	886	910	888	930	890	910	893	903	894	906	877	934	21
22	894	908	880	913	900	918	894	927	892	908	893	907	894	906	875	925	22
23	896	906	883	917	884	939	905	912	890	910	895	905	894	903	873	927	23

Hour. \ Day.	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	874	926	883	926	886	914	894	931	876	936	888	930	881	919	886	923	Midnight
1h	880	920	872	928	888	919	900	914	886	935	872	941	875	925	887	920	1h
2	885	915	885	915	891	921	892	919	886	936	876	936	875	925	887	918	2
3	888	912	885	923	892	920	888	918	879	932	911	911	871	929	887	916	3
4	900	918	881	928	888	918	889	916	889	929	897	917	880	920	886	916	4
5	878	922	878	933	889	929	890	924	889	928	893	915	885	915	886	916	5
6	880	920	890	923	889	927	887	933	889	927	890	923	885	924	886	918	6
7	878	922	878	032	888	931	887	934	887	934	887	919	871	944	884	921	7
8	889	927	883	941	900	927	881	946	900	947	890	923	868	947	888	929	8
9	883	926	879	951	900	934	888	957	883	942	919	913	871	943	890	933	9
10	900	934	900	946	912	960	887	965	886	936	905	922	874	962	892	934	10
11	885	924	900	952	912	959	888	960	881	946	885	937	865	984	891	936	11
Noon	892	918	900	935	909	944	881	947	900	956	900	932	891	943	896	928	Noon
13h	878	933	909	944	900	957	872	967	910	948	909	942	873	966	895	928	13h
14	900	937	892	939	917	943	900	960	900	948	900	934	857	964	896	926	14
15	890	924	900	952	900	956	877	955	890	947	883	943	860	960	890	933	15
16	900	924	883	942	900	947	887	963	886	935	876	936	900	954	890	932	16
17	889	929	893	934	887	932	875	959	886	935	900	927	877	935	888	929	17
18	904	921	893	936	891	943	881	946	881	928	887	933	881	946	889	932	18
19	887	934	887	932	913	903	874	940	886	935	900	935	883	942	887	928	19
20	888	931	888	918	876	910	885	938	875	925	896	921	865	953	884	928	20
21	876	936	888	919	936	914	880	930	887	933	888	919	893	936	887	924	21
22	882	927	889	926	906	906	882	944	883	925	888	918	875	937	884	926	22
23	888	931	885	924	903	917	884	939	885	923	891	912	880	949	887	923	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during DECEMBER 1923.

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 1924.

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	2·2	6	4·9	6	8·0	4	11·8	d22	0·7	2	1·4	2	1·8	4	1·2	3	1·9	4	1·5	5	2·8	5	4·8	7	4·6	8	2·7	8	1·2	15	0·8
1h	4	2·3	6	5·0	8	7·6	0	6·4	r30	1·1	2	1·1	2	1·8	4	1·7	3	2·4	4	2·4	5	1·9	5	3·2	7	4·9	8	2·5	8	1·3	14	1·1
2	6	2·3	6	6·3	7	9·1	28	6·3	30	0·9	2	1·4	2	1·6	4	1·8	3	1·5	4	2·0	5	2·8	5	2·9	7	4·0	8	1·4	8	1·2	r 6	1·1
3	4	2·2	7	5·2	7	9·3	28	10·4	30	0·7	2	1·5	2	1·1	4	1·6	3	1·1	4	2·8	5	2·2	6	5·4	6	2·7	8	1·5	8	2·0	5	1·4
4	4	1·8	6	4·9	7	10·1	29	12·9	30	0·6	2	1·6	2	2·1	4	1·1	3	1·9	4	1·7	5	2·5	6	5·0	5	3·4	8	2·6	8	1·4	5	0·6
5	4	1·2	6	6·5	7	9·5	28	13·4	30	0·9	2	1·9	2	1·3	4	1·2	3	1·3	4	1·2	5	2·7	6	4·5	4	3·2	8	2·1	8	1·2	5	0·9
6	5	2·0	6	5·3	7	9·1	29	12·3	30	1·1	2	2·1	2	1·1	4	2·3	3	1·3	4	1·3	6	2·8	6	4·7	6	2·5	8	1·4	8	1·0	5	1·1
7	5	3·9	6	5·2	7	11·4	28	12·3	30	0·7	2	1·9	2	0·7	4	1·1	3	1·8	4	2·9	5	3·6	7	5·4	5	3·3	8	1·3	8	1·1	7	0·9
8	6	3·7	6	7·2	7	10·8	28	9·2	30	0·9	2	3·8	2	1·1	8	1·0	3	4·0	7	5·0	6	4·8	6	5·2	8	4·6	8	3·0	12	1·4	15	3·0
9	6	4·6	7	8·6	7	10·5	29	8·8	26	1·0	2	4·0	2	0·8	9	1·8	4	3·0	8	6·3	7	6·2	7	7·5	8	4·6	9	2·7	18	2·5	15	3·4
10	6	4·4	7	9·3	7	12·2	28	8·7	26	1·1	2	4·2	2	2·3	8	1·8	2	2·6	7	6·2	8	6·7	7	7·1	8	5·4	10	2·2	18	3·5	16	3·7
11	6	5·9	7	8·1	8	12·4	27	11·3	d 0	3·5	3	1·7	31	2·7	7	2·4	d 4	2·4	8	7·5	7	6·8	8	7·2	9	5·9	10	2·4	16	2·5	16	3·9
Noon	7	6·3	7	8·1	6	9·8	28	9·3	2	4·7	4	1·8	r22	2·2	d16	2·1	22	2·2	9	6·7	7	5·3	7	6·8	9	3·9	12	2·6	16	4·4	19	4·5
13h	6	6·6	8	8·0	8	10·8	28	8·1	3	5·4	r18	2·8	22	2·7	d25	2·3	24	2·4	8	5·8	6	5·6	7	7·0	10	5·0	11	3·2	18	4·2	19	3·4
14	9	5·3	8	9·7	6	12·2	28	9·9	2	6·6	17	3·4	22	3·0	22	3·4	22	1·8	8	6·6	7	5·3	6	6·2	10	5·3	12	3·5	18	4·4	22	4·1
15	6	6·4	7	9·1	8	15·3	29	10·1	2	7·3	16	4·3	22	1·1	21	3·0	r 5	3·8	8	6·6	6	7·0	7	7·0	9	4·7	11	2·9	19	3·0	23	3·4
16	6	7·3	8	8·3	7	16·1	29	9·2	2	7·3	17	5·2	23	1·7	22	1·8	4	4·5	6	6·0	7	7·3	7	7·8	8	4·9	10	3·1	17	3·7	23	2·6
17	5	7·6	8	10·4	6	11·7	28	9·0	3	7·0	17	3·4	19	2·4	d25	1·9	5	4·7	6	6·2	7	7·8	7	6·5	7	4·5	10	3·7	18	3·3	23	2·3
18	6	6·1	7	8·7	5	14·3	28	6·4	3	4·3	16	2·4	14	2·0	12	2·2	5	4·4	6	6·1	6	5·8	7	6·7	8	4·7	10	3·1	19	2·2	22	1·6
19	6	5·7	8	6·1	5	15·6	28	4·9	3	5·3	d 1	2·5	14	1·7	r 4	2·5	5	3·4	6	5·3	5	5·0	7	6·6	8	3·7	10	1·6	16	1·4	24	1·2
20	6	5·5	7	8·8	5	17·2	27	2·9	3	3·2	1	2·8	r 6	1·6	4	2·9	4	4·2	6	4·6	5	4·6	8	4·9	8	2·7	9	3·2	16	1·1	24	0·8
21	6	5·4	8	4·3	5	17·0	27	3·0	3	1·7	2	2·2	5	2·1	3	2·7	4	4·6	6	2·6	6	3·7	8	4·7	8	2·5	8	1·7	16	0·9	24	0·6
22	6	4·4	6	11·0	5	18·4	27	2·1	3	1·8	2	2·6	4	1·6	3	3·5	4	4·6	5	2·9	6	4·4	7	4·4	8	2·5	8	0·9	16	0·8	24	0·6
23	6	4·7	8	7·6	4	13·8	27	0·7	3	1·2	2	1·8	4	2·0	3	2·5	4	2·8	5	1·4	6	4·8	7	4·8	8	1·6	8	2·2	16	0·7	24	0·9

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	0	1·1	4	1·2	4	3·0	9	5·3	8	1·3	4	1·1	4	1·1	3	1·1	4	3·7	5	3·1	4	2·0	7	3·2	5	4·4	6	3·2	4	2·7	2·9
1h	2	1·0	4	1·7	5	3·0	7	2·7	8	1·8	4	1·1	4	1·3	3	0·8	4	2·9	4	4·0	5	2·2	8	1·4	6	3·8	5	5·0	4	3·5	2·7
2	2	1·3	6	1·3	6	3·0	6	2·5	6	2·1	4	1·5	4	1·3	3	0·7	4	2·1	4	2·2	0	2·3	6	2·1	6	3·9	5	4·4	4	3·6	2·6
3	2	1·1	5	1·8	5	2·8	12	1·1	6	2·1	4	1·2	4	1·5	2	0·9	4	1·7	5	2·7	6	2·2	5	2·1	5	3·8	12	1·6	4	4·2	2·6
4	2	1·7	4	1·2	5	3·9	12	1·1	4	1·8	4	0·9	4	1·4	2	1·2	8	1·8	5	3·4	5	2·1	5	1·9	6	3·1	7	1·7	4	2·9	2·7
5	4	1·5	4	1·5	6	2·8	10	1·7	6	1·7	4	1·1	3	1·1	2	1·9	4	3·1	5	4·0	6	3·1	6	2·6	6	3·0	6	1·7	4	2·1	2·8
6	4	1·2	4	1·1	5	3·6	8	2·3	5	2·2	4	1·2	2	1·6	3	2·3	4	2·8	6	2·5	6	2·9	6	3·5	6	2·9	6	2·5	5	2·8	2·8
7	4	0·7	4	1·3	6	4·8	8	3·4	6	1·8	4	1·9	2	1·3	4	3·2	4	3·2	5	3·9	6	3·3	6	3·6	6	3·6	5	2·3	5	5·3	3·3
8	8	0·7	6	2·7	6	4·4	6	2·6	8	2·3	6	3·3	5	2·8	6	3·2	6	2·9	6	4·4	8	3·7	6	5·0	8	4·7	6	2·5	5	5·7	3·9
9	9	1·0	6	3·1	6	4·8	6	4·4	9	4·2	7	3·1	6	3·6	6	3·0	5	3·1	6	5·5	8	3·4	7	5·8	6	4·5	13	2·3	5	5·2	4·3
10	19	2·3	7	1·4	6	5·1	6	4·9	9	3·3	8	2·9	6	4·1	5	5·0	8	3·4	8	4·6	9	6·1	7	6·6	6	3·9	9	2·3	6	6·7	4·6
11	17	3·7	4	5·5	6	6·7	6	4·3	10	4·6	8	3·3	4	3·3	7	2·8	5	2·8	8	5·2	9	6·0	7	6·1	6	5·0	6	4·0	6	9·1	5·1
Noon	r 1	1·9	31	2·3	6	5·5	10	4·8	10	3·9	8	3·3	8	2·0	8	3·1	6	2·0	8	3·5	9	4·5	6	5·1	8	5·6	8	3·2	7	4·4	4·4
13h	0	2·6	2	2·4	6	3·8	6	4·3	11	3·1	8	2·5	r29	2·3	8	4·4	5	4·0	9	4·5	8	5·7	6	7·2	9	4·8	9	4·3	6	7·1	4·7
14	r22	1·9	4	3·8	7	5·5	7	3·7	9	3·6	r29	2·3	30	1·8	6	4·8	8	3·7	7	4·0	10	4·6	8	6·0	8	4·8	8	3·4	5	7·7	4·9
15	r 2	1·0	7	2·3	6	7·2	11	3·4	9	4·2	28	3·7	d 8	1·7	6	5·8	6	2·6	8	5·2	8	5·6	6	6·0	7	4·8	6	4·6	5	7·2	5·2
16	1	0·8	4	1·6	6	4·8	9	2·5	9	3·9	27	1·2	6	3·1	5	5·1	8	2·4	6	4·5	8	4·7	7	6·4	6	3·8	5	4·4	8	5·4	4·9
17	28	1·8	4	3·4	6	3·5	5	1·9	8	2·7	r14	1·4	6	3·3	6	4·9	6	3·1	7	3·5	6	3·4	6	6·4	6	3·8	8	2·7	5	4·2	4·6
18	d12	1·1	5	2·0	6	4·4	6	2·8	8	4·3	8	2·5	6	3·1	5	4·6	9	2·1	7	3·7	7	4·4	6	5·0	5	3·4	6	3·5	6	5·0	4·3
19	4	1·4	5	1·8	6	2·9	6	2·8	8	2·9	7	1·8	4	1·6	5	3·4	6	3·6	6	3·4	15	1·3	5	4·8	6	3·8	8	3·5	6	4·5	3·7
20	4	0·8	5	2·4	6	2·1	6	1·8	7	2·3	4	1·0	4	2.1	5	4·1	6	3·3	5	2·1	2	2·6	6	4·1	4	3·5	7	2·2	5	6·4	3·6
21	4	1·2	4	1·4	3	1·7	6	3·2	4	1·4	2	0·8	4	0.9	5	4·1	5	4·3	5	2·2	14	3·9	5	3·6	6	3·5	5	2·2	7	3·7	3·2
22	5	1·0	3	2·4	8	1·8	7	2·8	4	1·1	4	1·0	4	0·9	4	3·5	5	3·2	6	2·8	12	0·9	6	4·8	5	3·0	5	2·1	5	4·5	3·3
23	5	0·7	4	2·4	6	4·2	10	1·3	4	1·4	4	0·7	2	0·7	4	3·8	6	3·3	5	2·8	9	1·7	6	4·2	5	2·7	5	1·5	6	5·3	2·9

d = direct r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JANUARY 1924.

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	...	...	0·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·7	...	...	...	...	...	...	...	5·0	..	0·1	...
2	...	...	0·2	...	...	...	...	...	...	...	...	...	..	...	...	...	..	...	...	1·0	...	...	...	...	...	...	...	...	...	...	1·1
3	...	..	...	...	...	.	...	...	...	...	...	...	..	...	...	...	...	...	...	0·2	...	...	...	...	...	...	0·1	1·8	...	...	...
4	...	0·4	...	...	...	...	...	...	..	...	...	...	0·8	...	...	...	...	...	...	0·6	0·2	...	...	...	...	..	...	6·6	...	0·2	...
5	...	...	...	2·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·0	1·1	...	...	...	..	...	0·1	...	...	...	...
6	...	...	...	1·2	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	3·5	...	...	...	...	.	...	...	...	...	...	...
7	...	...	...	0·2	...	...	...	...	.	..	...	..	0·2	...	...	...	...	...	...	14·0	...	...	..	...	...	...	0·1	...	...	3·3	...
8	...	.	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·6	...	...	...	...	..	...	...	...	2·9	...	...
9	...	0·2	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	1.1	...	...	...	...	...	...	...	...	12·1	0·1	...
10	...	1·2	4·4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	..	...	...	...	...	...	..	...	...	6·4	...
11	..	...	7·6	3·9	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	...	...	...	...	...	...
Noon	...	...	3·2	0·6	..	...	...	...	...	...	...	...	...	...	...	...	...	20·7	0·2	..	...	...	...	...	0·7	...	...	...	...	...	...
13h	...	...	0·3	5·0	...	...	...	...	...	...	...	...	...	...	...	...	...	4·5	5·4	2·6	...	...	...	...	12·5	...	...	...	.	...	...
14	...	...	0·7	0·4	...	...	...	...	...	...	...	...	...	...	...	...	7·9	1·2	0·9	1·8	...	...	...	...	2·0	...	. .	...	...	...	0·2
15	...	...	4·8	...	...	...	...	..	...	...	...	...	...	...	...	...	0·7	6·4	0·9	1·7	...	...	..	...	...	...	...	...	...	...	...
16	...	...	4·0	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	1·6	0·2	17·8	...	...	...	...	...	...	0·1	...	...	1·7	3.1
17	..	...	6·4	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	0·4	1·0	...	...	...	...	...	...	...	.	...	...	5·3	5·7
18	...	...	6·2	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	...	1·2	...	...	...	...	...	...	...	...	...	...	...	3·0
19	...	1·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·3	1·0	...	...	...	...	...	...	...	...	...	...	0.5
20	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	...	...	...	...	...	...	...	0·7	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	...	...	...	...	...	...	...	4·3	...	0·2	...	...
22	...	3·8	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	10·1	...	...	...	...	...	...	...	9·1	...	...	...	...
23	...	1·2	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	0·5	4·9	0·2	...	...	...	...	...	...	5·0	...	0·6	...	...
24	0.6	...	0·2	0·2	...	...	..	..	...	...	..	...	...	...	...	...	...	0·2	3·2	0·1	...	...	...	...	...	...	...	...	0.4	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of JANUARY 1924.

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	8.72	221·5	154·7	13
	3	Belmont	50	9.85	250·2	135·9	7
	4	Poudre d'Or	20	9 31	236·5	127·8	7
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	9·90	251·5	168·4	9
	7	Forbach*	300	9·12	231.6	...	11
	8	Labourdonnais ...	290	11·38	289.0	207·0	14
	9	Beau Séjour	300	11·06	280·9	227·8	13
	10	Mont Piton	860	12·59	319·8	246·4	12
	11	Mon Choix	700	12·27	311·6	253·5	12
	12	Antoinette	640	14·66	372·3	220·0	16
	13	California	850	3 35	85·1	247·9	15
	14	Nouvelle Découverte ...	1,400	16·87	428.5	286·0	17
	15	Mon Songe	620	12·57	319·4	243·1	15
	16	La Grande Rosalie ...	643	3·56	90·4	225·8	14
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	13·38	339·8	222·2	15
	19	The Observatory ...	179	...	314.2	197·1	13
	20	Solitude	175	10·94	277·9	149·6	11
	21	St. André	90	9·54	242.3	183·4	12
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy*	10	10·27	260·9	...	10
	25	Esperance (Trébuchet)§	165	...	...	...	...
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	.	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station*	296	7·39	184·7	...	11
	49	Poudre d'Or Station* ...	172	9·12	231·6	...	11
	50	Rivière du Rempart* ...	134	20·90	530·9	...	9
2 & 3	1	Union Régnard ...	600	11·41	289·8	227·1	17
	2	Constance d'Arifat L.G.	100	8·47	215·1	191·0	15
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	600	11·72	297.7	238·7	11
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	9·00	228.6	...	10
	10	St. Julien E(K. Reetoo)*	...	4·35	110·5	...	10
	11	Joffrette*	...	21·00	508·0	375·2	17
4	1	Sans Souci	900	14·91	378·7	278·4	12
	2	Etoile	400	11·72	297·7	156·2	10
	3	Beau Champ§	20	14·13	358 9	...	16
	4	Belle Rive*	400	15·38	390·6	204·5	14
	5	Olivia	400	14·88	377·9	...	16
	6	Deep River*	350	7·91	200·9	...	12
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	18·51	471·9	...	19
	9	Bonne Veine§	...	...	...	...	...
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney	20	11·76	294·0	213·9	14
	4	Beau Vallon	60	11·31	287·3	188·7	18
5 cont.	5	Union Vale*	200	14.54	369·3	...	19
	6	Mon Désert (Carié)§ ...	75	...	...	...	...
	7	Cluny*	1,000	27·15	689·6	...	21
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate ...	...	35·53	902·4	338.0	18
6	1	Kanaka*	2,000	25·44	646·2	...	18
	2	Tivoli*	1,300	38·78	985·0	...	18
	3	La Flora§	1,050	...	...	...	...
	4	Britannia§	730	...	...	...	...
	5	Savannah (Mill)§ ...	200	...	...	...	...
	6	St. Aubin	300	11·25	285·7	277·4	12
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois*	350	13·61	345·7	...	16
	9	St. Avold§	900	...	...	...	...
	10	Terracine§	100	11·25	285·7	...	12
	11	St. Félix S.E.*	...	...	...	...	...
	12	Bel Air*	...	12·36	309·0		13
	13	Chamouny*	...	13·88	347·0		13
	14	Union S. E.*	...	15·50	393·7		11
	15	Fontenelle*	...	15·35	389·9	...	12
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate	...	10·18	258·6	263·7	12
7, 8 & 9	1	Bel Ombre*	40	9·27	235·4	...	11
	3	Beau Champ*	...	13·20	335·2	...	11
	4	Board§	...	...	...	...	...
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
	...	No returns.	...	...	...	...	...
10	1	Les Gorges§	...	...	...	...	...
11	2	Curepipe Gardens ..	1,840	29·27	743·4	387·8	20
	3	Mare aux Vacoas ...	1,850	36·59	929·4	403·9	19
	4	La Marie Filter Bed ...	1,700	31·72	805·7	303·8	20
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse	850	16 01	406·6	212·6	18
	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	25·10	637·5	...	16
	7	Trianon	950	21·42	544·0	254·2	15
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	11·29	286·8	...	16
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	15·81	401.6	254·5	18
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	19·70	500·3	...	14
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock ...	18	11·45	290·8	152·1	10

* Normals not available § Record not Received

THE CYCLONE OF DECEMBER 29TH TO JANUARY 5TH

The first indications of the formation of this depression, were noted during the early hours of the 29th of December, at about Long. 63 E. and Lat. 12 S, but no intense cyclonic circulation appears to have existed until the 31st. In fact, a positive wave in pressure was observed both at Mauritius and Rodrigues from the 31st December to the 1st January, after a total fall of 2.7 mbs. in pressure at Mauritius and 3.4 mbs at Rodrigues between the 29th and 31st of December. Pressure at Rodrigues, again rose from the 1st to the 2nd of January while the depression was by the time being markedly felt at Mauritius. Wind direction at Mauritius began to indicate the influence of the cyclonic disturbance at about 18 hrs. on 31st December., but the direction at Rodrigues appears to have been influenced at earlier date. The diurnal variation of wind velocity was again felt at Mauritius on the 1st of January.

It is found from the given track, that at Mauritius all changes in wind direction from the 1st to the 2nd of January (noon) and from the 2nd (noon) to the 3rd correspond to nearly the same amount of shift in the angular position of the centre, so that the bearing of the wind to the centre was practically constant, amounting to about 83° in each case. At Rodrigues, the angular bearing of the wind to the centre, was approximately (advancing quadrant) 105°, 125°, 144°, 164°, (180°) as observed at 9 hrs. from 31st December to 4th of January respectively.

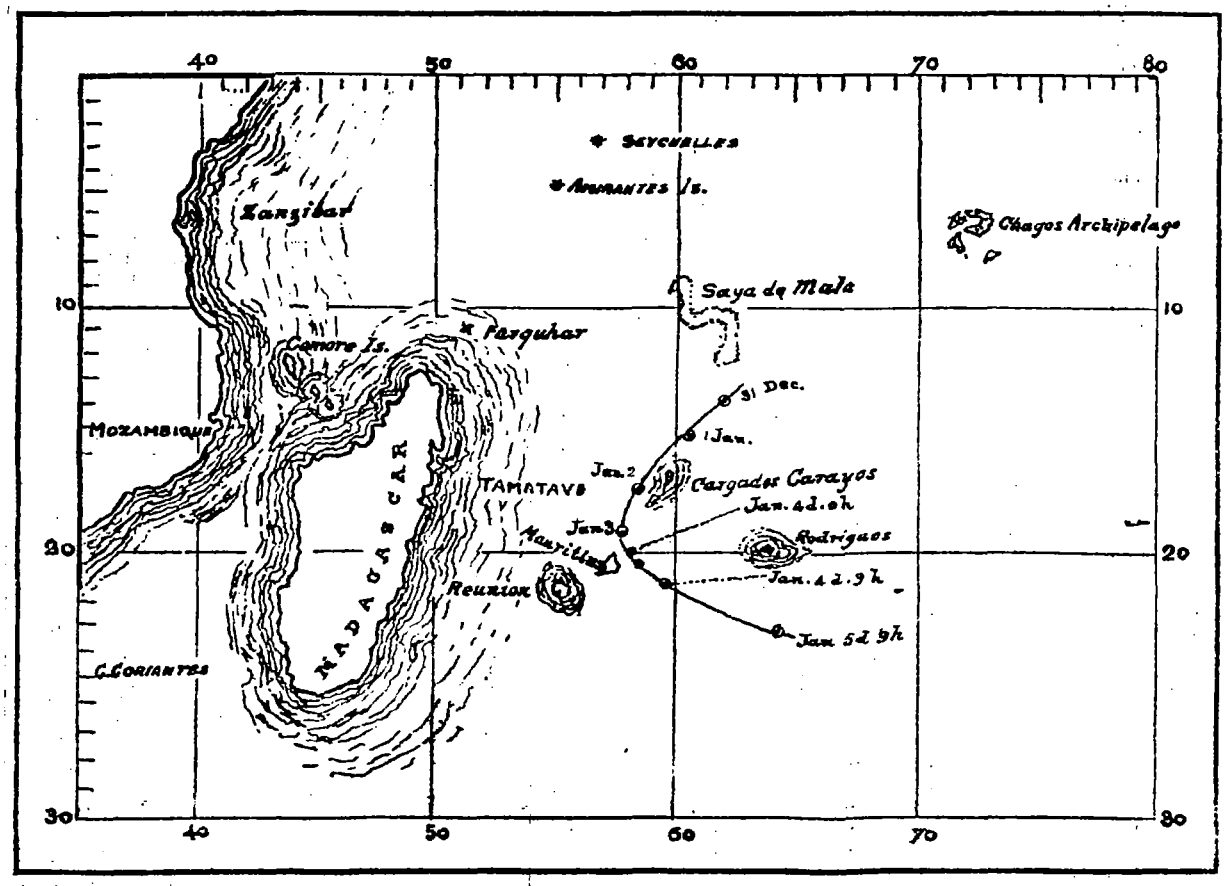
In the rear of the cyclone it is found that at Mauritius, the bearing to the centre increased to about 114° (9 hrs. on 4th) and again to 135° (9 hrs. on 5th).

At Rodrigues, in the rear quadrant, it varied from 90° (4 hrs. on 4th) to 110° (9hrs. on 5th).

The minimum pressure at the Observatory was registered at about 21 hrs. coinciding with the mean maximum wind velocity at 22 hrs. on 3rd of January.

The maximum run of the wind reckoned at 9 hrs. at Mauritius was 12.6 m.p.s. (mean hourly velocity) and the maximum for Rodrigues was 14.4 m.p.s.

The maximum fall of pressure during the 24 hours at Rodrigues was 5 m.b.s. from the 3rd to the 4th of January.



NEW SERIES (MONTHLY). VOL. X. 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 1924

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

PORT LOUIS
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1924.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of FEBRUARY 1924

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)
FEB.	° ′			′		
1	10·56·2	·22954	·29988	5·2	34	13
2	56·3	61	87	4·8	23	11
3	55·5	...	81	7·3	...	31
4	...	...	83	...	...	18
5	...	...	83	...	...	17
6	56·4	41	85	8·5	55	16
7	56·4	43	82	7·8	18	27
8	56·8	50	78	9·1	25	30
9	56·5	50	71	10.4	23	32
10	56·7	49	72	6·9	39	17
11	57·2	49	68	7·8	27	28
12	57.1	56	67	4·1	30	16
13	56·6	56	67	3·5	14	9
14	57·6	57	67	3·8	27	13
15	56·9	53	63	4·2	18	24
16	57·5	52	62	7·6	25	28
17	57·6	48	66	5·2	22	12
18	57·5	53	65	4·7	31	12
19	57·2	59	60	8·4	31	29
20	57·7	46	64	8·8	41	21
21	57·6	35	68	8·5	27	15
22	57·3	43	63	9·5	34	26
23	57·8	47	66	6·6	26	14
24	57·7	57	61	8·5	33	27
25	57·9	56	64	9·1	20	20
26	57·6	56	63	8·6	23	20
27	57·8	62	62	4·3	26	18
28	57·6	65	61	5·7	34	18
29	57·5	64	61	7·0	20	18
30	...	...	...	...	...	...
31	...	...	...	...		
Mean	10·57·13	·22952	·29970	6·88	27·9	20·0

T=0·37750 : Mean Dip.=θ=52°.33′·27 (X=·22534 : Y=−·04360 : Z=·29970).

List of Magnetic disturbances.

The following notes give a brief description of abnormal magnetic movements. 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 indicatedin brackets, +=an increase and −=a decrease of the Magnetic Element ; ± denotes positive and negative movements of approximately equal extent.

FEB. 1924.

5d 23h Oscillations in H. F. and V. F.

6d 1¾h domed wave in Dec. (+2·5′) followed by irregular fluctuations at 3¾h and 4½h.

6d 1h A small positive wave in H. F. and regular decrease to 2h (−22 γ); 2h sharp wave in H. F. (−37 γ); 2½h truncated wave in V. F. (+7 γ).

8d 1¼h regular wave in H. F. (−27 γ) feebly marked in Dec. and V. F.

11d 5½h increase in H. F. (+15 γ).

16d 8½h Sudden increase in Dec. and H. F. (+1·8′,+12γ) with only partial return in Dec.

20d Regular decrease in H. F. from 15h to 20½h with regular fluctuations (−47 γ); rapid wave in H. F. beginning at 20¾h (+29 γ) slower return till 22h¾ ; second wave in H. F. at 23¼h followed by slow partial return. Those movements feebly marked in Dec. and V. F.

Disturbed period in H. F. from 23d 15h to 24d 3h (register defective) these movement feebly marked by small oscillations in V. F.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of FEBRUARY 1924.

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. 1.11·22	10·58·97	FEB. 4·11·31	·22964	FEB. 1·11· 7	52.33·12	·29991	FEB. ...	...	...
·13·44	10·54·64	·13·26	·22955	4· 9·33	52·33·58	·29990	4·13·47	52·31·36	·29980
8. 9·26	11·02·70	13·10·52	·22957	8. 9.46	52.34.13	·29977	...	...	...
15.11·33	10·57·93	·13·47	·22960	13·10·22	52·32·37	·29961	13·14·29	52·32·12	·29959
13·30	10·54.77	18· 9·43	·22960	...	...	...	25·12·30	52·32·00	·29958
25.12·20	11·00.23	·13·30	·22983	29·10·03	52·31·35	·29957	29·13·20	52·29·97	·29941
·13·45	10·53 56	29· 9·34	·22963						
		·13·47	·22948						

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

FEBRUARY 1924.

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

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	58·4	58·2	57·7	58·3	58·0	58·6	58·0	57·0	58·1	58·3	58·2	58·3	58·1	...	...	57·5	Midnight
1h	58·5	58·3	57·8	58·6	58·4	58·3	58·2	57·8	58·2	58·2	57·9	58·4	58·2	...	...	57·5	1h
2	58·6	58·4	58·0	58·5	58·5	58·2	58·4	58·2	58·5	57·5	57·9	58·5	58·2	...	...	57·6	2
3	58·7	58·4	58·2	58·4	58·5	58·5	58·5	58·5	58·3	57·8	58·0	58·4	58·2	...	...	57·6	3
4	58·5	58·3	58·3	58·4	58·7	58·6	58·7	58·7	57·9	57·0	58·0	58·4	58·5	...	...	57·7	4
5	58·7	58·1	58·2	58·8	58·9	59·0	59·2	58·8	58·1	57·9	57·8	58·3	58·5	...	...	57·8	5
6	58·5	58·3	58·2	59·3	58·9	59·2	59·2	59·0	58·4	57·9	57·9	58·1	58·6	...	...	57·9	6
7	58·2	58·8	59·3	60·3	60·2	59·5	59·3	59·9	59·0	58·0	57·8	57·8	60·2	...	...	58·5	7
8	58·8	59·5	60·5	61·0	60·5	59·9	60·2	61·0	60·2	59·3	58·6	58·8	60·7	...	...	59·3	8
9	59·3	58·8	60·9	60·5	60·9	60·7	60·6	61·0	61·0	61·0	60·0	60·2	59·9	...	...	59·9	9
10	59·0	57·3	60·5	61·0	59·5	59·7	59·8	60·5	61·5	61·9	60·0	59·8	59·5	...	...	59·6	10
11	58·5	57·5	57·0	59·8	57·5	58·4	58·8	59·8	61·5	60·5	59·5	58·5	57·0	...	...	58·4	11
Noon	57·8	57·0	54·3	56·5	54·3	55·5	56·0	57·3	60.0	58·2	58·7	57·5	55·2	...	...	56·7	Noon
13h	55·0	55·5	53·3	54·0	53·7	52·5	54·7	54·5	55·5	55·0	56·4	55·5	55·3	...	...	54·9	13h
14	54·1	55·8	52·5	52·5	52·4	51·3	54·5	52·5	52·5	53·4	56·1	54·5	53·9	...	...	53·9	14
15	54·4	54·8	53·3	52·2	54·1	51·2	54·0	52·5	52·4	53·3	55·8	54·5	53·7	...	...	53·6	15
16	55·3	55·5	54·6	54·0	55·0	52·5	55·1	53·3	54·0	54·0	55·7	55·0	54·4	...	...	54·2	16
17	56·7	56·7	56·2	56·1	56·2	55·5	56·2	56·0	56·7	55·3	56·5	55·8	55·7		...	55·7	17
18	57·5	57·5	57·1	58·2	57·3	57·3	57·3	57·5	58·0	56·5	56·6	56·9	56·7	...	...	56·7	18
19	57·3	57·4	57·5	57·5	57·8	58·3	58·3	57·3	57·9	57·5	57·7	57·5	57·8	...	...	57·0	19
20	57·5	57·4	57·5	56·8	58·0	58·6	58·0	58·5	58·0	58·2	57·8	57·9	57·9	...	...	57·2	20
21	57·7	57·5	57·5	58·2	58·4	57·9	58·2	58·2	58·0	58·3	57·9	58·0	58·1	...	...	57·3	21
22	58·0	57·5	57·5	57·3	58·3	57·7	58·1	58·0	58·0	58·3	58·3	58·0	58·1	...	...	57·2	22
23	58·1	57·6	57·7	58·6	58·4	57·8	57·8	58·0	58·3	58·1	58·3	58·2	58·2	...	...	57·3	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).

FEBRUARY 1924.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	038	063	060	...	...	075	037	039	040	043	036	045	054	053	052	048	Midnight
1h	043	063	...	...	...	081	044	062	043	045	042	045	054	054	053	048	1h
2	041	062	...	...	...	044	040	052	045	046	043	053	056	054	055	049	2
3	048	063	...	...	...	064	041	048	051	046	053	051	057	055	053	049	3
4	049	065	...	...	...	038	041	050	049	048	048	053	055	054	053	050	4
5	048	064	...	...	...	031	042	050	049	049	056	054	058	055	053	050	5
6	048	072	...	...	...	026	046	051	047	049	052	059	062	056	055	050	6
7	049	074	...	...	...	040	045	051	053	051	051	063	059	059	054	048	7
8	052	072	...	...	...	036	042	049	052	049	046	067	060	056	053	046	8
9	058	061	...	...	...	027	040	044	052	045	047	069	058	057	052	060	9
10	070	064	...	...	...	026	042	047	050	045	048	075	058	056	054	064	10
11	072	066	...	...	085	034	049	057	053	054	052	068	055	057	057	064	11
Noon	070	063	...	...	091	052	051	060	060	065	056	069	056	058	057	063	Noon
13h	067	061	...	...	091	061	052	061	056	068	063	066	059	068	064	063	13h
14	062	060	...	...	089	057	048	059	063	064	059	060	058	076	061	063	14
15	057	054	...	...	086	048	047	061	063	055	059	059	056	076	058	063	15
16	048	051	...	...	070	036	048	058	057	046	052	056	056	070	057	050	16
17	044	053	...	...	059	034	046	050	051	047	045	049	055	060	055	039	17
18	048	054	...	...	051	033	041	045	047	051	042	046	054	051	050	043	18
19	052	054	...	...	043	030	042	040	045	052	043	045	054	050	047	052	19
20	052	057	...	...	041	027	040	038	046	048	044	046	050	050	046	050	20
21	053	055	...	...	052	036	038	037	045	045	045	048	048	050	048	048	21
22	054	059	...	...	059	032	036	039	042	044	045	049	050	050	047	046	22
23	047	058	...	...	069	035	034	043	040	029	044	050	059	049	047	047	23

Hour. / Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	042	047	054	052	031	031	048	053	047	054	051	059	059	...	...	048·1	Midnight
1h	050	047	045	038	031	032	047	061	046	053	053	059	058	...		049·9	1h
2	052	047	047	044	034	038	046	061	047	050	056	061	061	...	...	049·4	2
3	054	048	057	048	044	042	048	051	048	054	055	058	061	...	...	051·8	3
4	054	047	057	053	038	045	049	050	053	058	056	060	062	...	...	051·4	4
5	049	047	056	053	038	047	049	049	056	060	055	061	063	...	...	051·6	5
6	050	047	058	052	039	049	052	053	057	062	062	063	060	...	...	053·0	6
7	045	046	059	056	039	043	054	056	058	057	063	064	061	...	...	053·8	7
8	044	043	062	063	035	046	054	061	063	065	067	067	063	...	...	054·4	8
9	047	048	067	058	028	048	057	058	066	067	079	066	063	...	...	054·3	9
10	047	059	074	054	030	048	059	061	065	069	067	072	067	...	...	056·6	10
11	053	064	075	058	034	056	053	067	063	069	068	079	073	...	...	059·6	11
Noon	057	067	075	062	036	059	049	072	062	064	073	087	077	...	...	062·3	Noon
13h	059	074	076	064	047	057	050	075	059	060	077	085	076	...	...	064·2	13h
14	055	070	071	064	049	056	047	073	063	053	075	078	075	...	...	062·3	14
15	053	061	057	061	049	053	043	066	058	050	067	068	065	...	...	058·0	15
16	052	055	054	039	043	039	045	064	059	050	064	060	061	...	...	052·7	16
17	051	053	051	031	026	032	038	057	057	053	058	057	057	...	...	048·1	17
18	042	051	054	025	022	025	033	056	056	049	055	053	057	...	...	045·5	18
19	040	052	054	024	026	036	039	054	054	047	053	055	059	...	...	046·1	19
20	037	050	056	023	028	037	040	046	055	046	054	058	059	...	...	045·5	20
21	037	051	053	028	026	033	043	042	051	047	056	061	061	...	...	045·6	21
22	039	052	054	040	043	036	046	046	050	052	058	061	062	...	...	047·4	22
23	047	053	056	029	033	043	041	043	053	052	061	060	063	...	...	046·8	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).

FEBRUARY 1924.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	091	087	087	084	083	081	085	083	077	076	075	072	070	070	070	069	Midnight
1h	091	088	087	084	083	083	083	083	078	074	074	071	070	070	070	069	1h
2	091	089	087	085	083	086	082	080	077	074	075	071	070	070	070	069	2
3	091	089	087	085	083	082	083	080	076	073	071	071	070	069	069	069	3
4	091	090	088	085	084	085	084	081	075	073	072	071	070	069	069	069	4
5	091	090	088	085	084	086	084	081	075	074	071	070	069	069	069	069	5
6	091	089	089	086	086	087	084	082	075	073	071	070	068	068	069	069	6
7	092	090	092	088	090	091	087	084	077	075	072	070	067	069	069	069	7
8	093	088	093	090	091	093	093	088	080	080	077	071	069	070	069	068	8
9	093	088	081	091	087	087	094	092	081	081	079	071	070	072	069	064	9
10	091	090	070	089	082	084	087	088	080	079	079	071	069	071	066	062	10
11	089	085	062	080	079	083	078	074	070	071	069	070	070	071	062	053	11
Noon	086	083	064	074	076	079	069	067	059	066	056	064	068	067	055	048	Noon
13h	082	079	065	073	074	078	067	063	050	064	051	061	065	063	048	041	13h
14	080	080	071	074	077	077	069	062	049	064	054	058	062	059	046	041	14
15	081	081	073	075	078	080	072	063	054	064	055	055	061	059	049	046	15
16	081	083	078	077	080	083	077	068	062	064	058	059	061	062	053	051	16
17	081	086	079	082	083	086	082	074	068	067	065	064	063	067	052	061	17
18	084	087	080	083	083	089	083	077	071	069	068	067	065	067	062	065	18
19	087	088	080	083	083	087	083	077	071	070	069	067	067	067	065	065	19
20	088	087	083	084	084	087	083	078	072	071	069	069	068	067	066	065	20
21	088	087	084	084	084	086	084	079	073	072	070	069	069	068	066	066	21
22	088	088	084	084	084	086	084	080	074	073	071	070	069	068	066	066	22
23	088	088	085	084	083	086	084	080	076	077	071	070	069	068	067	067	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	070	068	065	063	069	070	068	067	067	069	067	065	067	...	...	073·6	Midnight
1h	069	067	064	065	069	069	066	067	067	069	066	064	066	...	...	073·3	1h
2	069	067	064	063	068	067	066	067	066	067	064	064	066	...	...	073·0	2
3	069	067	064	063	067	066	065	066	064	066	064	063	065	...	...	072·3	3
4	069	067	065	062	066	066	065	065	063	065	063	062	065	...	...	072·4	4
5	069	067	065	063	067	066	064	065	063	063	062	062	064	...	...	072·2	5
6	069	067	066	065	069	067	065	065	064	062	062	061	064	...	...	072·5	6
7	069	069	069	070	071	069	067	067	064	062	061	061	067	...	...	074·0	7
8	070	070	070	071	063	070	070	069	069	067	066	064	067	...	...	076·2	8
9	070	066	067	070	072	069	070	066	071	067	069	062	063	...	...	075·4	9
10	064	061	062	067	068	065	071	063	071	063	069	060	063	...	...	072·6	10
11	061	059	050	061	070	056	070	059	066	063	064	053	057	...	...	067·4	11
Noon	059	060	043	057	063	050	068	050	059	057	058	050	051	...	...	062·3	Noon
13h	059	059	041	051	058	044	059	044	051	050	052	049	049	...	...	058·3	13h
14	059	058	044	050	058	046	057	042	051	049	051	051	049	...	...	058·2	14
15	058	059	051	052	062	050	058	043	056	052	055	057	050	...	...	060·3	15
16	061	062	059	061	066	055	065	050	061	060	060	063	055	...	...	064·7	16
17	064	066	063	066	070	061	069	056	067	064	063	065	060	...	...	068·8	17
18	067	066	063	070	071	065	068	060	068	067	064	067	063	...	...	071·0	18
19	067	065	063	069	070	067	068	062	065	066	063	065	064	...	...	071·1	19
20	069	065	063	069	069	067	068	064	065	067	063	065	063	...	...	071·7	20
21	068	065	062	071	069	066	068	064	067	068	063	064	064	...	...	072·0	21
22	069	064	062	068	069	069	069	067	068	067	063	065	064	...	...	072·4	22
23	067	064	062	071	069	068	069	066	069	066	064	066	064	...	...	072·7	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1924.

Month and Day 1924.	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.)
FEB.	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1004·7	+ 0·1	28·1	23·5	4·6	25·4	— 0·6	2·4	21·3	— 0·4	78	0	25·1	21·2	3·0	45	7·0	8·0
2	1002·4	— 2·2	29·4	22·9	6·5	26·0	0·0	2·1	22·5	+ 0·8	81	+ 3	27·0	21·7	7·8	30	8·8	4·8
3	1002·6	— 2·0	30·1	23·7	6·4	26·4	+ 0·5	2·2	22·7	+ 1·0	80	+ 2	27·3	21·1	0·0	...	5·0	5·9
4	1004·5	— 0·1	30·4	24·0	6·4	26·7	+ 0·8	2.4	22·7	+ 1·0	79	+ 1	27·3	21·0	0·0	...	6·0	5·4
5	1004·5	0·0	29·1	24·0	5·1	25·6	— 0·3	1·4	23·3	+ 1·6	87	+ 8	28·3	23·3	32·4	345	2·9	8·7
6	1004·5	0·0	29·1	23·6	5·5	26·0	+ 0·1	1·4	23·6	+ 1·8	86	+ 7	28·8	21·5	7·1	150	8·1	8·5
7	1003·9	— 0·6	29·9	22·8	7·1	26·1	+ 0·2	1·5	23·6	+ 1·8	86	+ 7	28·8	20·6	0·5	15	4·5	7·1
8	1001·8	— 2·7	30·1	24·0	6·1	26·7	+ 0·8	2·0	23·3	+ 1·5	82	+ 3	28·3	21·7	0·3	5	6·3	6·6
9	1001·9	— 2·6	30·7	24·1	6·6	26·7	+ 0·8	1·9	23·5	+ 1·7	83	+ 4	28·7	22·8	0·0	...	4·8	6·2
10	1002·5	— 1·9	30·1	24·1	6·0	26·7	+ 0·8	2·2	23·0	+ 1·2	80	+ 1	27.8	21·5	0·3	5	5·6	5·1
11	1002·2	— 2·2	30·9	24·0	6·9	26·8	+ 0·9	2·2	23·1	+ 1·3	80	+ 1	28·0	21·5	0·0	...	4·0	4·6
12	1002·4	— 2·0	30·2	23·7	6·5	26·6	+ 0·7	2·0	23·2	+ 1·3	81	+ 2	28·1	20·8	12·0	98	4·0	5·7
13	1002·8	— 1·6	30·2	24·0	6·2	26·4	+ 0·6	1·9	23·2	+ 1·3	82	+ 3	28·1	21·9	1·2	10	7·2	5·7
14	1002·3	— 2·2	30·7	24·0	6·7	26·9	+ 1·1	2·3	23·0	+ 1·1	79	0	27·8	21·3	0·0	...	5·4	5·9
15	1002·1	— 2·4	29·9	24·9	5·0	26·9	+ 1·1	2·7	22·4	+ 0·5	76	— 3	26·8	22·7	2·2	55	4·8	6·5
16	1001·8	— 2·7	29·3	24·3	5·0	26·7	+ 0·9	2·3	22·8	+ 0·9	79	0	27·5	21·8	3·7	25	6·7	5·0
17	1001·5	— 3·0	28·5	24·6	3·9	25·8	0·0	1·4	23·4	+ 1·5	87	+ 7	28·5	22·9	11·0	110	5·2	7·3
18	998·4	— 6·1	29·1	24·0	5·1	26·4	+ 0·6	2·4	22·3	+ 0·4	78	— 2	26·7	21·8	1·0	10	6·5	6·7
19	993·5	—11.0	29·1	24·2	4·9	26·3	+ 0·5	2·5	22·1	+ 0·2	78	— 2	26·3	22·7	4·5	35	4·2	9·5
20	995·4	— 9·1	29·0	24·1	4·9	26·3	+ 0·6	3·0	21·2	— 0·7	73	— 7	24·9	22·8	2·8	53	4·8	9·5
21	998·8	— 5·7	27·1	23·8	3·3	25·2	— 0·5	2·9	20·3	— 1·6	74	— 6	23·6	21·4	0·9	15	4·9	9·0
22	1000·9	— 3·7	27·9	22·5	5·4	24·6	— 1·1	2·8	19·8	— 2·1	75	— 5	22·9	18·5	0·0	...	4·8	6·8
23	1004·7	+ 0·1	27·5	23·0	4·5	24·7	— 1·0	3·6	18·6	— 3·3	69	— 11	21·2	19·7	0·0	...	9·0	5·0
24	1007·3	+ 2·6	27·9	21·6	6·3	24·4	— 1·3	3·5	18·4	— 3·5	69	— 11	21·0	18·4	0·0	...	6·5	7·0
25	1007·9	+ 3·2	27·8	22·5	5·3	24·5	— 1·2	3·6	18·3	— 3·6	68	— 12	20·8	19·5	0·0	...	7·0	6·3
26	1008·5	+ 3·8	27·4	21·8	5·6	24·5	— 1·1	3·3	18·8	— 3·1	71	— 9	21·5	17·6	3·8	35	6·8	7·3
27	1007·5	+ 2·7	27·3	21·8	5·5	23·8	— 1·8	1·4	21·4	— 0·5	86	+ 6	25·2	19·7	8·7	120	3·7	8·7
28	1005·0	+ 0·2	28·9	21·8	7·1	24·9	— 0·7	2·6	20·5	— 1·4	77	— 3	23·9	18·4	0·0	...	5·4	4·4
29	1004·1	— 0·7	28·9	20·6	8·3	24·2	— 1·4	1·4	21·8	— 0·1	87	+ 7	25·9	17·8	11·3	90	2·7	5·3
Mean	1002·8	—1·7	29·1	23·4	5·7	25·8	0·0	2·3	21·9	+ 0·1	79·0	— 0·3	26.1	20·9	114·5	125·1	5·6	6·6
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
...	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 1924.

From the 1st of the month, pressure began to drop and except on the 4th, 5th and 6th when it was normal, it kept steadily below normal.

From the 17th to the 20th, a cyclone passed North East of the Island. Pressure dropped 13.1 m.b.s. below normal and the recovery was rather slow. From the 22nd a high pressure area established itself to the 27th.

From the 27th, pressure again dropped, under the influence of a distance depression Eastward.

Temperature was remarkably steady during the month; it was generally above normal from the 1st to the 20th and kept below normal after the passage of the cyclone.

Relative Humidity kept below normal during and after the passage of the cyclone, under the influence of the strong trades which prevailed then to the 27th of the month.

Wind velocity was variable during the first week, and kept steadily below normal from the 7th to the 15th.

Rainfall was 47% below normal at the Observatory.

The percentage variation in the other districts was as follows:—

Northern Districts	River System 1,	24 % below
Eastern Districts	,, ,, 2, 3, 4,	19 % above
South-Eastern Districts	,, ,, 5 & 6	9 % ,,
Western Districts	River System 11	77% above
	,, ,, 12	45% ,,
	,, ,, 13	No record

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of FEBRUARY 1924

Month and Day 1924.	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	°	°	°	°	°	°	°	
1	9·3	71	− 2·7	+ 4·4	58	5·1	5·2	+ 1·7	25·2	26·8	27·8	27·4	...	27·1	27·0	o. g. p: c . o. : c : o . p. .
2	10.4	81	− 1·3	+ 2·6	63	2·9	3·2	− 0·3	25·2	26·8	27·8	27·5	...	27·6	27·8	o. g. p.: c. f. : c . : f. .
3	7·4	57	− 0·6	+ 2·1	74	2·2	2·4	− 1·1	25·2	26·8	27·8	27·9	...	28·2	28·6	f. : c. : c.f. .
4	8·4	65	− 1·4	+ 2·3	59	2·7	2·9	− 0·6	25·2	26·7	27·9	27·9	...	28·6	28·5	f. : c. : c .f. .
5	3·8	29	− 0·6	+ 5·1	83	5·1	5·3	+ 1·9	25·2	26·7	28·0	28·5	...	28·3	28·0	f. : c : o.d. o.g r. .
6	5·2	40	+ 0·1	+ 2·8	94	2·8	3·5	+ 0·1	25·2	26·8	28·1	28·1	...	27·8	27·9	o g. r. : o. g. :o.r.: cflt
7	3·2	25	+ 0·6	+ 1·1	119	1·2	1·8	− 1·6	25·3	26·9	28·2	28·2	...	28·0	28·3	f . : c . o.d. : o . .
8	8·6	67	− 0·3	+ 2·1	83	2·3	2·4	− 1·0	25·2	26·9	28·2	28·4	...	28·6	29·1	c. : c .f. : c. : f. .
9	5·1	40	+ 0·3	+ 1·8	99	1·8	2·1	− 1·3	25·2	26·9	28·3	28·9	...	28·9	29·2	c. f. : c tsm: c.f. .
10	8·8	69	+ 0·5	+ 2·4	102	2·4	2·6	− 0·8	25·2	26·8	28·4	28·9	...	28·7	29·0	: c .p. : c.f. : f. .
11	7·2	57	+ 0·2	+ 2·0	96	2·0	2·1	− 1·3	25·2	26·8	28·5	29·0	...	28·6	28·7	f. : c.f: c. : f. .
12	7·0	55	0·0	+ 1·8	90	1·8	1·9	− 1·5	25·2	26·8	28·6	29·1	...	28·7	28·7	f . : c.t :. r. .
13	8·7	68	− 0·1	+ 1·9	87	1·9	2·1	− 1·3	25·2	26·8	28·6	28·9	...	28·6	28·7	c. d. : c.l.t : f. t.
14	7·2	56	− 0·5	+ 1·2	67	1·8	1·6	− 1·8	25·4	26·8	28·7	29·0	...	28·9	29·2	f. : c. f. : c . .
15	8·0	63	− 1·5	+ 2·4	58	2·8	2·9	− 0·5	25·4	26·9	28·7	29·4	...	29·3	29·6	c . : c. f. : cp :
16	11·5	91	− 1·6	+ 3·7	67	4·1	4·1	+ 0·7	25·4	26·9	28·8	29·1	...	29·1	29·1	c f. : f . : p. .
17	7·5	59	− 1·4	+ 4·1	71	4·3	4·5	+ 1·1	25·4	26·9	28·8	29·0	...	28·7	28·6	cf.: c. q.r. : c .f. : c. .
18	10·7	84	− 2·6	+ 4·5	60	5·2	5·2	+ 1·8	25·3	26·9	28·8	28·9	...	28·5	28·5	cf. : c.q. : o. g. .
19	2·4	19	− 4·9	+ 4·7	43	4·0	7·0	+ 3·6	25·3	26·9	28·7	28·8	...	28·4	28·2	o.g. : o. q . r. .
20	5·0	40	− 6·6	+ 2·0	17	6·9	7·0	+ 3·6	25·3	26·9	28·6	28·5	...	28·0	28·1	o.g. q: o. : o.g.q. r. .
21	3·7	29	− 4·5	+ 1·6	20	4·7	4·8	+ 1·4	25·3	26·8	28·5	28·2	...	28·0	28·0	o. g : o. :
22	8·1	64	− 3·4	+ 2·4	35	4·1	4·3	+ 0·9	25·4	26·9	28·4	27·9	...	27·7	27·7	f. : c.f. : o. .
23	11·3	90	− 3·2	+ 4·1	52	5·2	5·2	+ 1·8	25·4	26·7	28·3	27.9	...	27·7	27·8	c . g. : c . f. : f. .
24	6·7	53	− 2·4	+ 4·0	59	4·6	4·8	+ 1·4	25·4	26·9	28·2	27·9	...	27·6	27·5	f. : c . : o.q. : f. .
25	11·2	90	− 2·2	+ 4·6	64	5·1	5·2	+ 1·8	25·4	26·7	28·1	27·7	...	27·4	27·2	c. f. : f. : c g. .
26	9·8	78	− 2·0	+ 3·8	62	4·3	4·3	+ 0·9	25·4	26·9	28·1	27·7	...	27·2	27·0	c . p. c. : o. .
27	4·2	34	− 1·3	+ 4·7	74	4·9	5·0	+ 1·6	25·4	26·9	28·0	27·7	...	27·1	26·6	o. q. r. : o. g.r.: o. :
28	8·1	65	− 0·9	+ 1·2	53	1·5	2·3	− 1·1	25·4	26·9	27·9	27·5	...	27·2	27·3	f . : c. f. ; c. : f. .
29	3·8	30	− 0·4	+ 0·4	45	0·6	1·4	− 2·0	25·4	26·9	27·9	27·6	...	27·5	27·2	f. ; o. r. : f. .
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Mean	7·33	57·6	−1·54	+2·82	61·4	3·21	3·69	+0·28	25·30	26·84	28·28	28·33	...	27·14	27·14	...
Average	7·41	58·3	−0·31	+2·24	82·1	2·26	3·41	...	25·09	26·92	...	...	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF FEBRUARY 1924.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1009·6 m.b.s.	at	22h	on 26th	991·4 m.b.s.	at	14h	on 19th
Temperature of the Air	30·9°C	at	13·00h	on 11th	20·6°C	at	6·03h	on 29th
Daily range of temperature of the Air...	8·3°C		...	on 29th	3·°3C		...	on 21st
Temperature of the Dew Point	25·8°C	at	8h	on 13th	16·°1C	at	7h	on 26th
Daily range of temperature of the Dew Point	4·6°C		...	on 26th	1·2°C		...	on 28th
Relative humidity...	100·0	at	14h	on 27th	52·1		11h	on 25th
Wind Velocity	9·4 m.p.s.	at	7h	on 20th	0·6 m.p.s.	at	0h on 14th on 1h & 2h on 29th	
Rainfall	36·0 mm.	ending	7h	on 6th	...		...	...
Temperature of the soil at 3 ins. ...	31·0°C	at	18h	on 14th	25·5°C	at	6h & 9h	on 28th
,, ,, at 6 ins. ...	29·8°C	at	21h on 14th 18h & 21h on 15th		26·3°C	at	9h	on 28th
Duration of sunshine...	11·5h		...	on 16th	2·4h		...	on 19th
Amount of Evaporation	9·0 mm.		...	on 23rd	2·7 m.m.		...	on 29th
Vapour Tension	28·8 mbs		...	on 6th & 7th	20·8 m.p.s.		...	on 25th
Minimum on Grass	...		...	...	17·6°C		...	on 26th

Number of Days Overcast, 11 Clear 0, of Rain 19, of Lightning 3, of Thunderstorm 1.

Mean Day Temperature of Air 27·°26C, Average 27·63°C, Mean Night Temperature of Air 24·34°C, Average 24·11°C.

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

† Thermometer broken.

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

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

FEBRUARY 1924.

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	0066	0042	0025	0040	0051	0058	0053	0030	0025	0028	0029	0036	0042	0028	0026	0031	Midnight
1h	0060	0038	0019	0039	0044	0053	0051	0027	0022	0023	0022	0030	0036	0025	0022	0025	1h
2	0052	0026	0013	0039	0039	0044	0048	0025	0013	0021	0022	0024	0030	0022	0018	0019	2
3	0050	0023	0013	0039	0036	0033	0040	0019	0010	0013	0020	0018	0025	0018	0014	0013	3
4	0050	0023	0012	0038	0034	0037	0037	0016	0011	0012	0022	0015	0023	0021	0016	0016	4
5	0049	0023	0018	0041	0037	0043	0036	0018	0014	0014	0020	0014	0022	0024	0018	0019	5
6	0052	0026	0025	0044	0043	0050	0044	0020	0019	0021	0020	0022	0030	0028	0020	0021	6
7	0058	0031	0028	0047	0048	0049	0049	0025	0023	0025	0012	0025	0033	0030	0024	0023	7
8	0064	0037	0031	0050	0052	0048	0049	0029	0027	0031	0013	0028	0036	0032	0028	0025	8
9	0059	0037	0034	0054	0050	0047	0051	0028	0028	0033	0029	0032	0038	0035	0032	0026	9
10	0051	0033	0032	0053	0046	0045	0058	0026	0026	0032	0028	0032	0039	0034	0039	0025	10
11	0056	0028	0029	0051	0046	0038	0052	0023	0025	0032	0023	0028	0033	0030	0032	0022	11
Noon	0051	0024	0026	0046	0040	0038	0047	0016	0017	0030	0022	0023	0026	0026	0025	0015	Noon
13h	0048	0019	0023	0043	0035	0036	0035	0011	0017	0027	0019	0018	0023	0020	0018	0010	13h
14	0041	0013	0019	0040	0034	0033	0029	0011	0011	0024	0017	0013	0020	0014	0011	0002	14
15	0033	0008	0016	0036	0037	0031	0027	0004	0008	0021	0014	0008	0017	0009	0004	0002	15
16	0031	0009	0015	0033	0038	0029	0027	0003	0007	0020	0013	0007	0015	0009	0000	0001	16
17	0021	0011	0021	0038	0040	0035	0026	0003	0007	0021	0014	0011	0018	0012	0007	0003	17
18	0025	0013	0027	0042	0043	0041	0026	0004	0009	0023	0015	0015	0021	0015	0014	0010	18
19	0042	0017	0032	0046	0050	0054	0029	0013	0018	0024	0021	0022	0024	0017	0019	0009	19
20	0046	0022	0037	0050	0055	0054	0032	0013	0024	0028	0027	0029	0027	0019	0024	0021	20
21	0046	0027	0043	0055	0059	0060	0037	0016	0029	0032	0032	0037	0029	0022	0030	0027	21
22	0047	0030	0044	0053	0063	0059	0039	0018	0036	0034	0040	0044	0030	0026	0033	0030	22
23	0045	0031	0040	0052	0060	0058	0036	0024	0034	0031	0040	0050	0031	0029	0034	0027	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	0030	0010	9963	9934	9986	0003	0035	0071	0082	0090	0090	0072	0044	...	...	1003·5	Midnight
1h	0023	0003	9952	9931	9980	0000	0035	0069	0078	0086	0084	0067	0040	...	...	1003·1	1h
2	0020	9995	9946	9930	9976	9996	0028	0063	0074	0083	0081	0063	0035	...	...	1002·6	2
3	0013	9993	9941	9930	9965	9993	0025	0062	0070	0081	0079	0056	0031	...	...	1002·2	3
4	0012	9993	9937	9923	9972	9996	0030	0066	0071	0076	0076	0053	0025	...	...	1002·1	4
5	0014	9993	9933	9930	9979	9997	0035	0070	0063	0081	0076	0056	0031	...	...	1002·3	5
6	0021	9994	9935	9929	9982	9997	0036	0074	0075	0082	0081	0060	0035	...	...	1002·7	6
7	0022	9997	9941	9944	9985	0002	0042	0077	0079	0094	0085	0067	0037	...	...	1003·1	7
8	0025	9995	9947	9951	9990	0011	0045	0083	0081	0095	0085	0067	0040	...	...	1003·4	8
9	0028	9995	9946	9955	9994	0013	0051	0080	0084	0094	0091	0066	0044	...	...	1003·6	9
10	0026	9998	9942	9957	9992	0014	0051	0077	0085	0090	0089	0061	0044	...	...	1003·5	10
11	0026	9997	9941	9957	9993	0013	0050	0077	0081	0088	0086	0061	0045	...	...	1003·3	11
Noon	0015	9990	9929	9955	9991	0010	0048	0074	0078	0084	0083	0051	0043	...	...	1002·8	Noon
13h	0012	9980	9925	9953	9982	0002	0044	0071	0074	0075	0066	0041	0037	...	...	1002·3	13h
14	0007	9968	9914	9952	9982	0001	0041	0065	0073	0073	0057	0035	0032	...	...	1001·8	14
15	0001	9966	9917	9949	9981	9998	0038	0064	0068	0071	0052	0029	0029	...	...	1001·5	15
16	0003	9964	9922	9954	9982	9999	0043	0064	0067	0075	0052	0025	0027	...	...	1001·5	16
17	0003	9965	9920	9956	9977	0001	0045	0064	0072	0074	0057	0027	0032	...	...	1001·7	17
18	0010	9968	9929	9959	9988	0013	0051	0071	0086	0082	0058	0032	0037	...	...	1002·2	18
19	0013	9976	9932	9971	9995	0016	0057	0076	0083	0083	0062	0038	0043	...	...	1002·7	19
20	0014	9977	9929	9976	0002	0022	0065	0082	0091	0092	0075	0044	0051	...	...	1003·2	20
21	0013	9977	9935	9985	0006	0032	0072	0085	0093	0095	0081	0046	0061	...	...	1003·7	21
22	0013	9980	9932	9992	0010	0036	0074	0087	0095	0096	0082	0056	0064	...	...	1003·9	22
23	0012	9977	9934	9991	0009	0037	0075	0086	0090	0095	0080	0050	0060	...	...	1003·9	23

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

Hour. \ Day.	FEBRUARY 1924.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	9	10	1	3	5	10	4	4	6	1	1	2	8	1	9	6	3	7	9	10	9	8	10	4	5	9	9	3	3	...	...	5·8
1h	9	10	1	2	5	10	4	4	6	4	1	1	7	1	8	5	4	7	9	10	10	6	8	4	6	9	9	3	3	...	...	5·8
2	9	8	1	2	5	10	3	4	5	6	1	1	8	2	7	3	5	6	9	10	10	4	6	6	7	8	10	2	2	..	...	5·5
3	9	8	1	4	6	9	1	8	5	9	2	1	8	2	6	2	5	5	9	10	10	4	5	8	8	8	10	2	2	...	...	5·7
4	8	6	1	3	7	10	2	6	6	7	2	1	6	2	7	2	7	4	9	10	9	3	4	7	8	8	10	2	2	...	...	5·5
5	7	5	2	4	8	10	3	6	6	6	3	2	5	3	7	3	9	4	9	10	9	3	5	7	9	7	10	3	2	.	...	5·7
6	6	3	7	4	8	10	7	8	8	5	4	3	6	5	7	3	7	3	9	10	9	3	8	7	8	8	9	3	2	...	...	6·2
7	7	3	7	5	8	10	7	7	6	5	5	4	6	6	8	4	8	5	9	10	10	4	9	8	7	5	10	5	3	...	...	6·6
8	7	3	8	5	10	9	8	7	8	7	4	6	5	6	8	5	8	6	9	10	9	4	5	7	7	5	9	6	3	...	...	6·7
9	8	4	8	4	10	7	8	5	8	7	4	7	7	7	7	6	9	7	9	8	9	7	3	7	5	7	9	4	3	...	...	6·7
10	8	5	8	6	8	7	9	6	8	7	5	7	8	7	9	6	9	7	9	8	10	8	5	6	5	6	8	4	5	...	...	7·0
11	9	7	8	6	7	8	9	5	8	6	6	7	7	7	9	7	9	5	9	9	9	9	5	6	5	7	9	5	8	...	...	7·3
Noon	9	5	8	8	9	8	10	5	7	6	6	8	7	6	9	5	10	7	9	9	10	7	5	8	6	8	9	7	9	...	...	7·6
13h	9	7	8	8	10	8	10	7	8	6	7	8	6	7	6	8	8	7	10	9	8	8	6	7	6	10	10	7	9	...	...	7·9
14	9	6	8	8	10	8	8	9	8	5	7	8	7	7	6	7	8	5	10	9	8	8	5	6	6	7	10	7	10	...	...	7·6
15	8	5	8	9	10	8	8	8	9	5	8	7	9	7	6	6	8	7	10	9	9	6	5	9	6	5	8	9	9	...	...	7·6
16	7	5	7	9	10	8	9	8	9	5	8	7	7	8	5	6	6	8	10	10	9	7	5	9	5	5	8	7	9	...	...	7·4
17	6	6	6	8	10	9	9	9	8	5	8	7	7	8	5	5	5	8	10	10	9	8	4	9	4	6	9	6	9	...	...	7·3
18	6	5	5	7	10	9	10	9	8	4	7	7	5	9	4	4	4	8	10	8	9	9	3	9	3	6	9	3	9	...	...	6·9
19	7	3	8	5	10	9	10	8	6	4	5	7	4	6	4	5	7	8	10	9	9	9	4	9	4	7	8	2	9	...	...	6·8
20	8	2	9	4	10	10	9	8	4	4	5	8	3	5	4	8	9	9	10	10	8	9	3	8	5	8	9	3	6	...	...	6·8
21	9	1	9	4	10	9	9	6	2	4	5	8	2	9	4	6	8	9	10	10	8	10	3	6	7	9	8	5	4	...	...	6·7
22	9	1	7	4	10	7	7	6	2	3	4	8	1	9	5	4	8	9	10	10	8	10	3	5	8	9	8	4	3	...	...	6·3
23	10	1	4	5	10	5	6	5	1	1	3	9	1	9	7	4	8	9	10	10	8	10	4	5	9	9	5	4	2	...	...	6·0

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

Hour* Ending \ Day.	FEBRUARY 1924.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	0	0	0	0	0	0	0	5	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
7	27	60	32	56	10	0	10	30	40	45	55	50	60	10	40	50	12	30	0	0	8	45	25	0	40	40	0	40	50	...	...	14·4
8	45	60	26	60	8	50	35	50	55	45	60	60	60	28	30	60	50	60	12	0	20	60	60	34	60	60	30	55	60	...	...	21·6
9	50	60	50	60	38	60	0	60	15	55	60	40	60	50	50	50	30	60	45	0	20	60	60	60	60	40	40	60	60	...	...	22·5
10	50	60	60	55	40	55	25	60	30	60	60	0	60	55	12	60	0	60	25	35	18	30	60	60	60	40	60	60	38	...	...	21·5
11	52	60	58	60	60	40	55	60	15	50	60	60	60	60	45	60	15	60	26	25	10	10	60	55	60	60	45	60	20	...	...	22·7
Noon	50	60	30	50	45	40	28	60	40	60	60	50	55	60	5	60	45	60	30	30	35	5	60	25	55	35	12	28	0	..	...	19·5
13h	45	60	55	55	30	45	5	18	35	60	33	34	55	60	25	60	50	60	5	40	15	18	60	60	60	40	10	34	0	...	...	18·8
14	60	60	55	45	0	20	15	35	20	60	0	20	58	60	45	60	55	60	0	50	10	55	60	55	60	60	0	36	0	..	...	18·6
15	55	58	40	50	0	0	0	20	0	60	0	30	0	36	60	60	50	60	0	45	10	60	60	40	60	60	18	10	0	...	...	15·7
16	32	40	15	5	0	0	10	60	0	35	12	20	12	5	60	60	40	55	0	45	10	60	60	10	60	55	20	0	0	...	...	13·0
17	50	10	5	2	0	0	10	50	38	0	25	28	20	10	60	60	50	45	0	28	40	60	60	0	60	60	15	55	0	...	...	14·1
18	40	35	20	8	0	0	0	10	20	0	10	30	15	0	50	50	55	30	0	0	28	25	50	0	35	38	0	50	0	...	...	10·0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0

The total amount of registered sunshine was 212·6 hours and the total possible sunshine 369·0 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

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	23·6	1·6	24·1	0·9	24·6	1·0	25·0	1·1	25·7	1·8	24·9	1·0	23·7	0·8	24·9	1·0	Midnight
1h	23·7	1·8	23·8	0·8	24·1	1·0	25·0	1·1	25·0	1·1	24·6	0·7	23·5	0·8	25·0	1·0	1
2	23·6	1·7	22·9	0·9	24·0	1·0	24·9	1·0	25·0	1·1	24·2	0·4	23·1	0·8	25·0	1·1	2
3	24·0	2·1	23·1	0·4	23·9	1·0	24·3	1·0	25·0	1·6	24·5	0·9	22·9	0·8	24·9	0·9	3
4	23·9	2·4	23·1	0·5	23·9	1·0	34·1	1·2	25·1	1·8	24·8	1·2	23·0	0·8	24·0	1·0	4
5	23·9	2·3	23·2	0·9	23·7	0·8	24·3	0·9	25·3	1·9	24·5	1·1	23·1	0·7	24·1	1·0	5
6	23·9	2·1	23·1	0·8	24·0	1·0	24·0	0·7	25·0	1·8	24·0	0·7	23·1	0·5	24·0	1·0	6
7	24·9	2·8	24·9	1·0	25·0	1·2	26·0	2·6	25·6	1·3	24·4	0·7	24·2	0·3	24·0	1·5	7
8	26·0	3·0	26·1	2·1	25·9	1·8	27·9	4·7	25·3	1·1	25·9	1·0	26·1	1·1	27·0	2·0	8
9	27·0	2·7	27·7	3·1	27·1	2·4	28·9	4·6	26·2	1·0	27·2	1·9	26·0	1·2	28·2	3·1	9
10	27·2	3·0	28·2	3·3	28·9	3·3	28·5	3·3	27·1	2·1	28·0	2·4	26·9	1·9	29·2	3·3	10
11	27·1	2·5	28·5	3·6	29·3	3·8	29·3	4·1	28·2	2·9	27·2	2·0	28·5	2·5	29·4	3·3	11
Noon	27·7	2·8	29·2	4·1	29·1	3·3	29·3	4·3	29·0	3·9	28·0	2·1	29·0	2·5	30·1	3·3	Noon
13h	27·5	2·7	29·0	4·0	29·0	3·7	30·4	5·1	28·1	2·4	28·4	2·5	28·7	2·6	29·1	3·6	13h
14	27·9	4·2	29.1	4·1	29·2	4·0	29·2	4·1	25·9	0·9	29·2	2·8	29·9	2·8	28·7	3·1	14
15	27·3	3·5	28·8	3·9	28·9	3.9	28·9	3·2	24·5	0·7	28·9	2·7	29·1	3·0	28·8	3·6	15
16	27·0	3·5	29·0	3·9	28·7	3·7	28·1	3·1	24·2	0·3	28.3	2·2	29·2	2·9	28.9	3·3	16
17	25·5	1·9	27·9	3·4	27·9	3·3	27·7	2·1	24·9	0·9	28·0	1·9	28·9	3·0	28·3	2·7	17
18	25·1	2·1	27.1	2·9	27·2	3·2	27·1	1·4	25·1	1·1	27·5	1·3	27·9	2·3	27·1	2·1	18
19	24·7	1·7	25·9	2·3	26·3	2·0	26·3	1·8	25·1	1·3	25·1	1·2	26·9	1·4	26·1	1·2	19
20	24·1	1·4	25·1	1·5	25·9	1·7	25·9	1·9	24·9	1·2	24 8	1·1	25·9	0·8	26·0	1·3	20
21	23·9	1·4	25·1	1·4	25·8	1·7	25·6	1·6	25·0	1·2	24·9	1·1	25·7	0·7	25·9	1·7	21
22	23·9	0·9	25·0	1·2	25·5	1·4	25·5	1·7	24·9	1·0	24·1	0·8	25·1	0·6	25·2	1·1	22
23	24·0	1·0	24·9	1·1	25·4	1·3	25·4	1·7	24·8	0·8	23·8	0·8	25·0	0·8	25·3	1·3	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	25·4	0·8	24·6	1·0	24·9	1·0	25·0	1·0	24·0	0·7	24·7	1·2	25·5	1·4	25·0	1·0	Midnight
1h	25·3	1·0	24·5	1·0	24·6	0·9	24·3	0·7	24·1	0·6	24·4	1·1	25·4	1·3	25·0	1·1	1h
2	25·2	1·0	25·0	1·0	24·2	0·9	24·2	0·8	24·2	0·5	24·2	1·0	25·6	1·2	25·0	1·1	2
3	25·0	0·9	25·0	1·1	24·0	0·8	24·1	0·6	24·1	0·7	24·0	1·0	25·3	1·2	24·7	0·7	3
4	25·0	1·0	24·9	1·0	24·2	0·6	24·0	0·7	24·1	0·7	24·0	0·9	25·0	1·4	24·7	1·1	4
5	24·9	1·0	25·0	1·0	24·8	1·0	24·0	0·9	24·0	0·9	24·1	0·8	25·0	1·4	24·5	1·2	5
6	24·1	0·4	25·1	1·2	24·9	1·0	23·9	0·9	24·0	0·9	24·0	0·9	25·0	1·3	24·7	1·2	6
7	26·0	1·0	25·7	1·5	25·8	1·6	26·0	1·1	25·3	1·3	24·2	0·7	26·0	2·2	26·0	1·9	7
8	27·9	2·2	26·9	1·8	27·9	2·7	27·3	2·2	26·0	0·1	25·9	1·3	28·9	4·0	27·3	2·3	8
9	27·2	2·2	27·9	2·7	28·3	3·1	28·1	2·5	28·2	2·9	28·5	3·3	29·0	4·0	27·2	2·1	9
10	28·9	3·2	28·7	3·4	29·5	3·8	28·1	2·6	28·9	3·1	29·2	3·4	28·3	3·3	28·9	3·8	10
11	29·1	3·2	29·2	3·3	29·9	4·6	29·2	3·3	29·5	3·6	29·9	4·4	28·7	4·5	29·0	4·0	11
Noon	29·5	3·5	29·8	3·9	30·0	4·1	29·9	4·0	29·3	3·4	30·1	4·4	27·0	2·0	29·1	4·1	Noon
13h	29·3	3·5	29·9	4·1	30·9	5·0	29·8	3·9	29·0	3·5	30·1	4·5	28·4	3·4	29·1	3·9	13h
14	29·1	3·2	29·3	3·9	28·3	3·3	29·0	3·1	29·9	4·5	30·2	4·3	29·6	4·3	29·1	4·1	14
15	28·3	2·4	29·5	3·9	27·3	2·3	29·0	3·4	28·1	2·6	29·9	4·6	29·7	4·7	29·0	3·9	15
16	27·6	2 5	28·3	3·3	27·7	2·6	28·2	3·2	27·6	2·7	28·6	2·8	29·1	4·9	28·9	4·4	16
17	28·2	2·9	27·7	2·8	28·0	2·9	28·1	3·0	28·2	3·2	28·3	2·6	28·6	4·5	28·5	3·8	17
18	27·5	2·6	26·9	2·6	27·8	2·7	27·8	2·9	27·0	2·6	28·0	2·1	27·9	4·0	27·2	3·0	18
19	26·7	2·0	26·0	1·9	26·9	1·8	26·9	2·0	26·0	1·4	27·5	2·3	26·2	2·3	26·0	1·9	19
20	25·9	1·7	25·6	1·6	26·1	1.2	26·8	1.8	25·7	1·5	26·8	1·8	25·9	2·1	25·6	1·7	20
21	25·1	1·1	25·6	1·6	25·9	1·2	26·0	1·2	25·3	1·3	26·0	1·4	25·8	2·2	25·5	1·4	21
22	25·0	1·2	25·1	1·2	25·3	1·1	25·0	1·0	25·0	1·0	25·9	1·4	25·9	1.9	25·2	1·1	22
23	24·9	1·2	24·7	0·9	25·1	1·1	25·0	1·0	24·9	1·0	25·9	1·7	25·3	1·4	25·1	0·9	23

TABLE X. (*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 1924

Hour. \ Day.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	25·0	0·9	25·5	1·6	24·5	1·4	25·1	1·9	24·2	1·8	24·0	2·8	23·5	2.4	23·1	3·0	Midnight
1h	25·0	1·0	24·9	1·7	24·9	2·8	25·3	2·1	24·7	2·5	23·9	2·8	23·4	2·5	23·2	2·5	1h
2	24·9	0·9	24·9	1·4	24·9	2·8	25·0	2·0	24·9	2·7	23·6	2·5	23·1	2·4	23·0	2·8	2
3	25·0	1·0	24·3	1·0	25·1	2·8	25·1	2·1	24·8	2·7	23·3	2·3	23·3	2·8	22·8	2·5	3
4	24·8	0·8	24·2	1·0	25·1	2·8	25·1	2·1	24·5	2·5	23·1	2·2	23·2	2·7	22·3	2·2	4
5	24·9	0·8	24·1	1·1	25·5	2·0	25·0	1·9	24·5	2·6	23·0	1·9	23·4	2·5	21·8	2·0	5
6	24·6	0·7	24·7	1·6	25·5	1·9	25·3	2·3	24·0	2·1	22·5	1·6	23·0	2·8	21·7	2·1	6
7	25·1	0·4	25·4	1·8	26·4	2·7	26·0	2·8	24·5	2.6	23·8	2·6	23·8	2·8	22·3	2·4	7
8	26·3	1·2	27·1	2·9	27·0	3·0	26·8	3·6	25·1	2·3	25·0	3·0	25·2	4·0	24·1	3·1	8
9	26·8	1·8	27·8	3.7	28·9	3.8	27·0	3·1	26·5	3·5	26·2	3·3	26·2	4·5	25·9	4·9	9
10	25·0	0·9	28·2	3·5	28·8	3·7	27·9	3·9	26·1	2·5	26·1	3·2	26·7	4·7	26·8	5·5	10
11	25·2	1·1	28·2	3·7	28·0	2·4	27·9	3·9	26·9	3·7	25·8	3·5	26·9	4·9	27·0	5·2	11
Noon	27·4	2·1	28·9	3·9	28·8	3·7	28·5	4·2	27·1	3·5	26·1	3·6	27·1	5·0	27·0	5·3	Noon
13h	28·0	2·7	29·0	4·2	27·2	2·3	28·5	4·0	26·9	3·8	26·5	4·0	27·2	5·2	27·3	5·4	13h
14	27·9	2·5	29·0	4·0	28·0	3·4	28·1	3·8	26·3	3·3	26·9	3·8	27·2	5·2	27·3	5·5	14
15	26·9	1·4	28·9	3·9	27·0	2.6	28·2	4·2	26·2	3·2	27·2	4·1	27·0	4·9	27·0	5·2	15
16	26·9	1·8	28·2	4·0	25·3	1·3	27·1	3·6	25·7	3·1	27·0	4·0	26·2	4·4	26·0	4·3	16
17	26·2	2·1	27·1	2·1	24·9	1·8	26·9	3·7	25·6	3·5	26·3	3·7	25·8	4·9	25·0	3·5	17
18	26·2	2·0	26·6	2·6	24·9	2.0	26·4	3·4	25·2	3·3	24·0	2·1	25·0	4·1	24·0	3·0	18
19	25·4	1·5	25·4	1·8	25·4	2·2	26·1	3·2	25·0	3·1	23·4	1·9	23·8	3·1	24·0	3·2	19
20	25·4	1·5	25·3	2·0	26·1	2·8	25·8	3·0	24·3	2·7	23·5	2·2	23·3	2·9	23·7	3·0	20
21	25.3	1·5	25·7	1·7	25·9	2·5	25·1	3·0	24·1	2·8	23·6	2·4	23·4	2·7	23·4	2·5	21
22	25·2	1·4	25·8	1·9	26·0	2·6	24·7	1·8	23·9	2·4	23·4	2·1	23·2	2·6	23·4	2·3	22
23	25·1	1·4	25·0	1·8	26·0	2·5	24·2	1·2	23·9	2·8	23·6	2·2	23·0	2·7	23·0	2·0	23

Hour. \ Day.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean. Air.	Mean. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·3	2·3	22·6	1·9	22·9	1·3	23·1	1·4	23·0	1·4	...	...	...	...	24·3	1·4	Midnight
1h	23.0	2·2	22·2	1·4	22·2	1·1	23·0	1·7	22·9	1·6	...	...	...	...	24·2	1·5	1h
2	22·0	1·2	22·5	2·2	23·0	1·1	22·9	1·7	22·2	1·3	...	...	...	...	24·0	1·3	2
3	23·0	2·3	22·5	2·5	22·0	0·8	22·1	1·4	21·6	1·1	...	...	...	...	23·9	1·4	3
4	23·2	2·6	22·8	2·8	22·0	0·3	22·8	1·3	21·2	1·0	...	...	...	...	23·9	1·4	4
5	23·3	2·7	21·9	2·6	22·0	0·4	22·0	1·2	21·1	1·0	...	...	...	...	23·8	1·4	5
6	23·2	3·2	21·8	2·1	22·7	1·0	22·0	1·1	20·7	0·7	...	...	...	...	23·7	1·0	6
7	23·9	4·1	23·4	4·2	23·1	1·0	23·4	2·1	22·6	1·1	...	...	..	...	24·8	1·9	7
8	25·9	5·3	25·5	3·8	24·2	1·2	25·0	3·1	25·0	2·0	...	...	...		26·2	2·4	8
9	26·0	4·8	26·0	4·7	23·7	0·4	26·9	4·0	26·9	2·8	...	...	...	...	27·2	3·1	9
10	26·3	5·8	26·1	4·2	26·0	2·1	27·3	4·4	28·2	3·3	...	...	...	...	27·7	3·3	10
11	27·0	6·4	27·2	5·9	27·2	3·4	28·0	5·0	28·1	3·0	...	...	...	...	28·1	3·7	11
Noon	27·0	4·4	27·1	4·2	26·6	3·5	27·9	4·6	26·9	2·0	...	...	...	...	28·4	3·7	Noon
13h	26·7	4·8	27·1	4·1	24·8	0·9	27·5	4·0	27·0	2·1	...	...	...	...	28·3	3·7	13h
14	26·8	4·9	26·9	4·0	23·0	0·0	28·5	4·4	26·4	2·3	...	...	...	...	28·1	3·5	14
15	26·9	4·8	27·1	5·0	24·1	1·0	27·3	3·2	25·3	1·3	...	...	...	...	27·8	3·4	15
16	26·2	5·0	26·9	5·0	25·8	2·5	26·0	2·4	25·0	1·1	...	...	...	...	27·3	3·2	16
17	25·5	4·3	26·1	4·2	24·2	1·9	27·1	3·2	24·7	0 8	...	...	...	...	26·9	2·9	17
18	24·9	3·7	25·3	3·7	24·0	1·5	26·1	3·7	24·5	0·4	...	...	...	...	26·3	2·6	18
19	23·6	3·1	24·0	2·7	24·9	2·1	24·5	2·0	23·9	0·4	...	...	...	...	25·5	2·1	19
20	23·2	2·8	23·3	2·9	23·7	1·6	24·0	2·5	23·5	0·5	...	...	...	...	25·0	1·8	20
21	23·2	3·1	23·2	2·3	23·2	1·3	23·5	2·3	23·1	0·5	...	...	...	...	24·8	1·7	21
22	22·8	2·4	23·0	1·5	23·2	1·7	23·8	1·9	23·0	0·5	...	...	...	...	24·6	1·5	22
23	22 5	1·7	22·8	1·2	23·0	1·4	23·4	1·7	23·0	0·7	...	...	...	...	24·4	1·8	23

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

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

FEBRUARY 1924.

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	867	933	881	919	889	911	882	918	864	936	889	953	890	910	900	918	Midnight
1h	875	937	920	920	887	913	890	900	879	932	891	943	893	907	895	922	1h
2	874	940	885	915	889	911	889	911	881	928	890	950	891	909	886	914	2
3	873	941	886	914	888	912	890	910	872	942	900	964	894	906	900	924	3
4	867	949	892	908	886	914	889	911	885	937	891	943	890	910	900	920	4
5	877	956	889	911	885	915	890	910	882	945	888	931	890	910	892	918	5
6	871	943	886	914	889	911	893	910	883	941	886	935	891	909	890	924	6
7	876	936	882	918	882	918	880	920	890	951	882	945	883	917	887	920	7
8	878	954	879	931	887	919	888	931	881	946	900	946	890	914	900	929	8
9	864	954	878	933	900	938	888	931	900	970	900	963	914	914	900	922	9
10	858	962	887	934	882	927	893	932	900	966	900	965	908	919	905	925	10
11	866	952	892	941	908	937	885	938	913	966	910	948	920	920	922	922	11
Noon	876	958	882	943	906	930	895	925	913	966	917	942	919	913	921	921	Noon
13h	878	953	891	943	912	931	887	934	912	961	913	919	912	930	906	927	13h
14	874	964	910	947	906	930	900	945	913	964	936	924	925	905	900	932	14
15	865	953	883	941	900	931	900	944	900	957	930	920	931	912	900	931	15
16	865	953	885	938	906	930	886	886	900	968	918	918	931	900	900	929	16
17	873	941	876	936	900	923	878	932	900	951	910	910	919	896	900	922	17
18	874	939	884	939	900	925	878	932	900	950	913	909	913	903	900	921	18
19	876	936	878	922	893	916	880	930	900	958	892	889	910	902	886	914	19
20	875	925	878	922	888	918	871	929	900	948	893	891	907	909	887	913	20
21	887	913	885	924	892	920	885	915	900	944	897	886	904	909	886	914	21
22	882	927	885	915	895	912	878	922	891	946	887	894	902	911	891	909	22
23	877	935	887	913	889	916	876	924	891	942	893	905	903	916	887	913	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	887	913	900	922	896	919	894	913	894	913	900	906	892	908	885	923	Midnight
1h	892	908	900	921	897	916	894	915	892	919	900	911	890	910	885	915	1h
2	893	907	900	915	897	913	897	908	887	920	900	907	891	909	887	913	2
3	892	908	907	916	896	918	894	915	887	920	900	913	893	916	896	920	3
4	894	906	897	915	896	921	896	910	888	918	897	915	893	916	885	923	4
5	889	911	894	929	895	924	895	911	888	918	891	913	892	908	881	919	5
6	889	911	896	921	896	919	896	910	889	917	892	910	898	911	887	913	6
7	889	917	895	923	892	920	894	915	885	915	893	909	881	919	880	920	7
8	900	918	910	923	900	927	887	920	889	926	890	925	889	929	884	940	8
9	905	923	914	934	908	937	900	925	895	923	906	915	879	932	879	952	9
10	906	930	913	933	911	928	900	927	915	924	900	924	875	925	879	952	10
11	930	920	912	931	911	928	915	937	900	920	900	932	871	943	886	970	11
Noon	939	916	922	932	914	922	900	941	907	932	905	924	887	919	900	955	Noon
13h	911	929	911	928	911	928	908	918	918	927	900	927	887	933	887	964	13h
14	914	921	914	934	913	919	908	919	912	931	900	925	872	941	877	956	14
15	913	903	914	935	907	916	913	913	905	923	904	918	883	942	863	957	15
16	903	917	912	921	900	919	905	922	911	928	882	892	880	949	889	953	16
17	910	924	912	930	900	928	909	922	907	917	888	891	883	941	879	950	17
18	900	932	905	923	908	918	900	928	903	914	894	896	879	931	886	936	18
19	900	924	900	916	902	911	900	912	900	919	889	898	884	916	871	929	19
20	900	914	896	921	902	908	903	908	900	911	888	902	887	913	887	934	20
21	900	920	896	921	900	917	893	916	900	911	892	908	882	918	887	932	21
22	900	922	897	917	995	911	895	912	900	910	890	910	890	925	888	930	22
23	900	926	896	919	894	913	893	917	900	909	892	908	890	925	886	934	23

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

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

FEBRUARY 1924.

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	888	931	888	931	872	941	832	928	861	916	863	915	884	924	877	935	Midnight
1h	884	924	890	925	862	957	838	913	854	919	852	920	882	927	881	947	1h
2	886	936	886	922	864	954	852	900	857	917	876	905	879	931	874	939	2
3	877	934	886	922	863	957	820	916	837	913	859	917	869	921	862	938	3
4	882	927	876	924	864	955	824	931	847	911	868	907	869	931	892	938	4
5	878	922	878	933	865	952	813	936	855	918	873	911	875	925	900	927	5
6	894	930	882	943	864	955	826	931	863	915	868	907	879	932	900	912	6
7	890	923	875	938	862	957	832	914	864	924	867	922	864	936	893	934	7
8	880	948	866	952	854	946	839	912	845	923	871	911	856	944	867	933	8
9	891	945	862	957	851	974	839	912	863	915	848	922	854	946	865	952	9
10	900	960	865	953	852	948	824	915	853	910	855	930	854	969	871	944	10
11	900	945	879	951	837	963	840	900	841	925	857	943	861	958	857	964	11
Noon	900	953	876	957	846	954	835	900	848	900	862	938	860	960	866	951	Noon
13h	884	978	879	952	858	942	823	915	847	922	864	924	859	961	876	958	13h
14	873	965	861	959	857	943	834	927	861	926	857	943	867	949	861	958	14
15	876	957	863	957	849	951	826	931	861	908	846	954	857	964	858	963	15
16	876	957	857	965	857	943	816	935	837	926	864	936	859	961	867	950	16
17	877	956	877	956	859	928	825	931	839	925	869	931	852	948	869	946	17
18	881	947	867	949	833	944	820	933	851	910	868	932	866	934	867	949	18
19	885	937	872	942	848	921	831	929	871	906	873	927	880	920	876	936	19
20	891	943	866	951	835	927	837	926	868	907	882	918	872	928	882	927	20
21	889	926	876	936	835	943	847	922	867	913	883	917	876	936	883	926	21
22	884	924	872	941	830	947	858	909	870	912	878	922	877	934	887	919	22
23	891	922	880	948	834	944	865	914	863	915	876	924	885	937	881	929	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	928	878	922	879	932	890	923	891	909	...	...	...	...	883	922	Midnight
1h	886	935	882	927	888	919	892	919	896	904	..	...	...	...	885	922	1h
2	888	930	872	928	900	940	894	913	896	904	...	...	...	...	885	920	2
3	876	936	878	932	900	952	889	928	892	908	...	...	...	...	882	925	3
4	883	926	882	927	880	948	890	915	888	912	...	...	...	...	882	923	4
5	886	935	883	926	868	948	889	916	892	908	...	...	...	...	882	924	5
6	878	932	883	926	883	943	887	913	889	911	...	...	...	...	884	922	6
7	874	939	876	036	892	941	891	921	894	906	...	...	...	...	881	926	7
8	883	942	880	948	889	955	887	913	892	898	...	...	...	...	881	931	8
9	874	963	883	941	900	953	887	933	894	896	...	...	...	...	884	937	9
10	878	952	882	945	900	974	888	931	913	909	...	...	...	...	885	938	10
11	874	963	866	951	886	970	893	934	922	900	...	...	...	...	888	940	11
Noon	887	964	886	967	915	976	888	869	915	890	...	...	...	...	893	935	Noon
13h	872	968	881	947	900	951	889	874	918	882	...	...	...	...	890	935	13h
14	854	969	889	956	878	952	890	876	887	880	...	...	...	...	888	937	14
15	866	952	879	950	868	948	900	880	887	903	...	...	...	...	884	935	15
16	865	985	882	943	889	953	910	915	896	919	...	...	...	...	884	935	16
17	879	962	879	950	878	953	900	920	896	910	...	...	...	...	884	932	17
18	870	945	870	945	879	950	878	933	894	897	...	...	...	...	882	930	18
19	886	936	880	930	879	932	882	927	892	908	...	...	...	...	883	922	19
20	882	945	874	940	876	936	888	912	887	913	...	...	...	...	883	922	20
21	881	928	885	915	892	938	898	908	892	908	...	...	...	...	886	920	21
22	875	938	885	923	882	945	900	907	889	911	...	...	...	...	885	921	22
23	891	945	891	921	879	931	893	910	891	909	...	...	...	...	885	923	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during FEBRUARY 1923.

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 1924.

Day. / Hour.	1d. Dir.	1d. Vel.	2d. * Dir.	2d. * Vel.	3d. Dir.	3d. Vel.	4d. * Dir.	4d. * Vel.	5d. Dir.	5d. Vel.	6d. * Dir.	6d. * Vel.	7d. * Dir.	7d. * Vel.	8d. Dir.	8d. Vel.	9d. * Dir.	9d. * Vel.	10d. Dir.	10d. Vel.	11d. Dir.	11d. Vel.	12d. * Dir.	12d. * Vel.	13d. Dir.	13d. Vel.	14d. * Dir.	14d. * Vel.	15d. * Dir.	15d. * Vel.	16d. Dir.	16d. Vel.
Midnight	4	4·7	4	2·7	4	1·5	4	2·5	4	5·2	7	5·4	4	1·4	8	1·8	4	1·8	8	2·2	7	1·9	6	1·4	6	1·4	8	0·6	4	1·1	5	2·7
1h	5	4·5	d12	2·9	4	1·8	4	1·4	5	3·8	7	4·4	4	1·0	7	2·3	4	1·2	8	2·1	7	1·6	6	1·6	6	2·1	8	1·1	4	1·4	4	2·1
2	5	4·8	r4	2·1	4	1·5	4	1·5	5	3·4	7	5·1	4	1·3	4	2·0	4	1·0	8	1·5	7	1·3	6	0·9	5	2·4	8	0·7	4	1·3	r4	1·8
3	5	4·9	4	2·0	4	1·7	4	1·4	5	5·1	8	6·4	4	0·9	8	2·4	4	1·2	10	1·8	7	1·8	6	1·6	5	2·4	8	1·3	6	1·8	7	2·0
4	5	5·9	4	1·1	4	2·0	4	1·5	r6	4·0	7	4·4	4	1·4	8	2·0	4	0·9	7	1·5	7	2·1	6	1·1	5	2·1	7	1·5	6	1·8	5	2·7
5	6	6·1	4	1·5	4	2·2	4	1·4	6	4·9	6	3·3	4	1·4	6	2·0	4	1·6	7	3·0	7	2·5	6	1·2	6	2·1	5	1·6	4	1·1	4	2·7
6	5	5·2	4	2·0	4	1·6	5	1·2	6	4·4	6	3·8	4	1·3	6	2·6	4	1·6	7	2·2	7	1·9	6	1·1	5	2·0	5	1·3	7	1·1	4	1·9
7	5	4·3	4	2·5	5	2·5	4	2·9	7	5·2	6	4·9	4	2·4	5	2·4	5	2·0	7	2·4	6	2·2	6	1·6	4	2·2	5	1·1	4	2·7	4	2·9
8	6	5·9	5	3·7	5	2·3	6	3·3	6	5·0	8	4·6	5	1·7	8	2·9	8	1·8	10	2·5	8	2·7	5	2·4	6	2·8	6	2·7	6	3·1	6	4·3
9	5	6·5	5	4·0	8	3·8	6	3·3	8	7·0	8	6·3	d12	2·0	8	2·2	9	2·4	10	3·7	9	3·8	8	2·5	7	2·4	10	1·6	5	3·8	6	5·6
10	5	7·5	6	3·6	5	3·3	7	3·3	8	6·6	8	6·5	10	2·1	9	2·6	9	3·1	10	3·5	10	3·0	8	2·7	11	2·8	8	2·4	4	3·6	6	5·6
11	5	6·2	7	4·2	9	3·8	6	4·1	9	6·7	9	4·9	12	2·9	12	3·1	13	3·6	10	3·3	10	3·0	10	4·0	8	2·0	8	3·2	5	5·2	7	7·1
Noon	6	6·3	6	4·7	9	3·1	7	2·6	9	6·7	10	4·5	13	2·3	12	3·0	14	4·2	11	3·9	11	2·6	8	4·1	9	3·3	9	2·5	5	2·3	8	5·5
13h	6	5·8	7	4·4	10	3·3	6	3·6	9	6·2	11	2·3	10	3·2	9	2·8	10	3·1	10	3·0	10	3·0	10	2·0	11	3·3	8	2·7	6	3·5	7	6·5
14	6	6·9	9	4·8	9	3·1	8	4·5	9	6·5	13	4·4	15	2·6	8	3·2	11	2·5	10	3·7	11	2·3	10	2·1	10	3·3	8	2·5	5	5·0	6	6·1
15	5	6·4	6	4·4	8	3·1	8	4·4	8	5·7	13	3·6	14	3·3	8	3·1	15	1·3	10	3·8	10	1·8	12	1·9	9	2·4	9	1·8	6	4·5	5	6·8
16	5	6·4	6	4·1	9	3·1	r28	2·0	8	6·8	12	2·6	16	3·1	8	2·9	9	1·7	10	3·3	8	1·9	9	2·3	10	3·0	r30	2·0	6	5·3	7	5·4
17	5	4·9	5	4·4	8	2·3	d5	3·9	8	5·1	12	1·4	17	1·9	8	2·2	10	2·6	10	3·2	8	2·8	10	2·4	10	1·9	29	1·5	6	4·4	6	5·4
18	5	4·7	6	4·2	8	2·5	5	3·9	8	5·0	13	1·6	15	1·3	8	2·1	8	3·2	9	2·4	10	2·0	8	2·8	9	1·4	29	0·7	5	3·7	6	3·9
19	5	4·4	4	3·2	6	1·8	5	3·6	8	5·8	d27	1·4	15	1·0	4	2·0	8	2·4	8	1·6	9	1·1	8	1·2	8	1·9	31	1·1	4	2·3	4	4·2
20	4	3·5	4	3·2	5	2·1	4	4·1	8	4·8	27	1·1	r11	1·1	4	1·8	8	1·4	7	2·1	9	0·8	10	0·9	8	1·1	d1	1·2	4	1·8	6	3·6
21	4	1·9	5	2·8	6	2·2	4	2·2	8	4·4	25	1·4	10	1·0	4	2·0	8	2·0	7	2·2	8	1·7	6	1·8	8	1·1	4	1·2	4	2·5	6	3·4
22	5	3·2	4	2·2	6	1·3	4	3·2	7	4·7	30	1·4	9	1·1	4	1·3	8	2·2	7	1·7	6	1·2	6	1·3	8	1·0	4	1·4	6	2·7	6	3·2
23	5	4·2	4	1·8	5	1·9	4	3·4	7	4·3	d3	0·9	9	1·6	4	1·9	8	2·6	7	1·9	6	1·4	6	1·9	8	0·9	4	1·1	6	2·7	6	3·7

Day. / Hour.	17d. Dir.	17d. Vel.	18d. Dir.	18d. Vel.	19d. Dir.	19d. Vel.	20d. Dir.	20d. Vel.	21d. Dir.	21d. Vel.	22d. Dir.	22d. Vel.	23d. Dir.	23d. Vel.	24d. Dir.	24d. Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. Dir.	27d. Vel.	28d. * Dir.	28d. * Vel.	29d. * Dir.	29d. * Vel.	30d. Dir.	30d. Vel.	31d. Dir.	31d. Vel.	Mean Velocity
Midnight	6	3·3	6	3·3	5	5·0	2	7·4	2	4·2	2	4·0	5	2·9	5	4·2	5	3·4	4	3·2	5	3·8	6	2·5	4	1·3	...	...	...	...	3·0
1h	5	2·9	6	2·7	5	6·9	1	6·3	2	5·0	2	5·2	5	3·3	6	5·1	6	3·8	5	3·3	5	2·2	6	2·1	4	0·6	...	...	...	...	2·9
2	6	3·9	5	2·6	5	6·5	0	4·8	2	4·6	1	2·5	5	3·7	5	4·7	6	3·2	4	4·0	8	4·0	6	1·4	4	0·6	...	...	...	...	2·7
3	5	4·1	5	2·6	5	6·8	1	8·2	1	6·4	2	4·4	3	3·7	4	5·4	5	4·4	5	3·9	8	5·2	6	3·0	4	1·1	...	...	...	...	3·4
4	5	3·2	4	3·4	5	6·6	2	8·2	1	5·4	1	3·3	4	4·4	7	3·9	5	3·1	5	3·3	6	5·2	5	1·8	4	1·7	...	...	...	...	3·1
5	4	3·2	5	4·0	5	6·3	2	9·4	2	4·9	2	2·9	4	3·5	8	2·7	6	3·8	5	3·1	5	5·8	5	1·9	4	1·2	...	...	...	...	3·2
6	7	3·1	6	4·7	5	6·6	2	8·0	2	4·0	1	3·3	5	3·8	8	1·2	5	3·9	5	3·1	0	4·6	4	1·9	4	1·6	...	...	...	...	2·9
7	6	2·5	5	4·6	5	6·9	1	6·9	3	4·4	3	4·0	4	5·1	7	3·5	5	4·7	5	4·4	7	4·2	6	2·3	4	0·9	...	...	...	...	3·4
8	6	5·2	5	6·2	4	6·6	1	6·2	2	6·0	2	3·1	4	6·3	4	4·7	6	4·5	6	5·2	7	5·6	4	1·9	r31	0·8	...	...	...	...	3·9
9	7	4·6	6	6·9	5	8·9	1	6·2	2	4·0	2	5·7	4	6·5	5	6·3	6	6·8	6	4·4	8	5·3	6	3·5	29	0·7	...	...	...	...	4·5
10	8	6·0	6	6·4	4	6·9	1	7·7	1	4·8	3	5·4	5	8·3	5	5·3	6	5·7	6	4·9	8	7·4	6	3·3	d13	1·6	...	...	...	...	4·7
11	8	4·5	6	5·5	4	8·9	0	6·0	2	6·4	4	6·2	5	7·0	5	7·7	6	6·8	5	6·1	7	7·1	7	3·5	16	2·2	...	...	...	...	5·0
Noon	8	5·3	6	6·2	4	7·7	0	6·5	0	5·2	4	5·4	5	7·2	5	6·1	7	6·5	7	6·8	9	7·7	r26	3·3	19	1·8	...	...	...	...	4·7
13h	7	8·0	6	5·6	4	6·0	1	7·8	2	5·8	3	4·4	6	7·4	6	6·3	6	7·4	6	5·1	8	5·1	26	2·8	20	2·5	...	...	...	...	4·6
14	6	7·0	5	7·1	4	6·2	2	7·1	3	4·7	4	6·1	5	5·9	5	7·0	5	8·3	7	5·7	6	5·7	26	2·6	27	2·4	...	...	...	...	4·8
15	6	6·2	5	6·8	4	7·2	2	8·0	1	4·0	4	7·7	5	7·7	5	7·6	5	6·2	6	5·4	5	5·8	24	2·0	d1	1·3	...	...	...	...	4·6
16	6	6·2	5	7·8	4	6·2	2	9·1	2	6·8	4	5·2	5	7·3	5	6·0	6	9·2	6	4·7	7	5·4	r11	1·8	7	1·9	...	...	...	...	4·6
17	6	6·1	6	6·1	3	5·0	2	8·1	2	6·6	4	4·4	4	6·8	5	5·6	6	5·6	6	5·4	6	5·8	8	2·0	6	1·1	...	...	...	...	4·1
18	6	5·1	5	5·9	3	8·0	2	8·7	1	5·0	4	4·5	4	4·9	5	5·9	5	5·4	5	5·4	6	5·4	5	4·0	r30	0·7	...	...	...	...	3·9
19	6	4·0	5	5·1	2	5·6	2	7·5	1	3·0	4	3·8	4	2·8	5	4·4	6	3·9	5	3·6	5	3·8	5	3·2	d4	1·2	...	...	...	...	3·1
20	7	4·4	5	6·1	2	7·0	2	6·8	1	3·3	4	2·6	4	4·0	5	3·3	6	4·9	5	4·8	5	4·3	4	1·7	4	1·8	...	...	...	...	3·1
21	6	2·8	5	4·4	3	7·8	2	5·8	2	3·5	4	2·4	5	4·4	5	3·1	5	3·4	4	2·2	7	3·9	7	0·8	4	1·1	...	...	...	...	2·7
22	5	2·9	5	5·0	3	8·4	1	4·3	2	3·2	4	3·2	5	4·1	5	2·3	5	4·6	5	2·7	6	4·9	8	0·7	4	1·5	...	...	...	...	2·8
23	6	2·4	6	5·2	3	7·9	2	3·8	2	4·0	4	3·4	6	4·0	5	3·5	7	4·6	6	2·3	5	3·7	5	1·2	4	1·3	...	...	...	...	2·9

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for FEBRUARY 1924.

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	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	1·0	0·3	...	...	...	...	...	...	...	...	...	...
2	...	7·8	...	...	...	0·9	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...
3	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	0·5	0·5	...	...	...	0·5	0·3	...	...	...	...	...	0·3	...	...	0·4	0·5	...	...	...	...	...	...	...	...	...	0·4	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	0·5	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	1·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	0·2	...	...	...	...
8	...	...	...	...	2·0	...	...	...	...	...	...	...	...	...	...	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	2·4	...	...	...	...
10	...	...	...	...	1·3	...	...	...	...	...	...	...	...	...	...	...	5·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	...	...	...	...	...	...	...	...	...	...	...	2·7	...	...	...	...
14	...	...	...	...	5·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·3	...	...	...	...
15	...	...	...	...	10·9	...	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	1·2	...	5·0	...	...
16	...	...	...	...	7·6	...	...	...	...	...	...	...	...	...	0.4	...	1·0	...	1·5	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	0·5	1·8	...	...	...	...	...	...	...	...	...	3·0	...	...
18	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	...	3·1	...	...
19	...	...	...	...	...	0·2	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	0·2	...	...
20	...	...	...	...	0·5	2·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	0·5	0·6	...	...	...	...	...	5·0	...	...	...	3·0	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...
22	2·5	...	...	...	0·6	...	...	...	...	...	...	5·5	...	...	...	0·3	0·5	...	0·5	...	...	...	...	...	...	0·3	...	...	...	...	...
23	...	...	...	...	2.5	...	...	...	...	...	...	1·5	...	...	...	...	...	...	...	1·1	...	...	...	...	...	1·2	...	...	...	...	...
24	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	1·2	...	...	...	...	0·7	...	...	...	...	...	1·3	...	...	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of FEBRUARY 1924.

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	8.37	212·6	164·1	14
	3	Belmont	50	8.30	210·8	186·9	16
	4	Poudre d'Or	20	6.70	170·1	187·7	14
	5	Mon Loisir (R.)* ...	300	10.05	255·2	...	15
	6	Mon Loisir S. E. ...	300	...	...	...	...
	7	Forbach*	300	...	...	...	...
	8	Labourdonnais ...	290	4·86	123.4	212·1	14
	9	Beau Séjour	300	9·34	237·2	244·3	26
	10	Mont Piton	860	8·20	208·3	300·7	21
	11	Mon Choix	700	7·48	190·0	280·9	16
	12	Antoinette	640	9·55	242·6	271·2	14
	13	California	850	2·17	55·1	297·4	14
	14	Nouvelle Découverte ...	1,400	9·58	243.3	383·8	24
	15	Mon Songe	620	9·11	231·4	264·2	17
	16	La Grande Rosalie ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	5·42	137·7	224·0	21
	19	The Observatory ...	179	...	...	...	...
	20	Solitude§	175	4·43	112·5	140·2	13
	21	St. André	90	3·71	94.2	168·9	12
	22	Belle Vue Harel* ...	350	...	...	...	...
	23	Mont Choisy§	10	3·58	90·9	...	4
	25	Esperance (Trébuchet)*	165	7·33	186·2	...	19
	28	Mon Rocher*	...	...	...	...	...
	45	Roche Bois Station* ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station* ...	137	...	...	...	...
	48	Mapou Station* ...	296	4·90	124·5	...	5
	49	Poudre d'Or Station* ...	172	...	...	...	...
	50	Rivière du Rempart* ...	134	1·97	50·0	...	6
2&3	1	Union Régnard S.E. ...	600	12·34	313·4	277·4	22
	2	Constance d'Arifat L.G.	100	6·57	166·9	217·9	21
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund	600	10·85	275.6	253·0	20
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria* ...	...	...	...	...	...
	7	Belle Mare*	...	...	...	...	...
	8	Bel Etang (Lesur)* ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	12·79	324.9	...	22
	10	St. Julien E(K. Reetoo)*	...	3·14	79·8	...	13
	11	Joffrette*	...	...	...	...	...
4	1	Sans Souci	900	23·01	584·4	408·4	28
	2	Etoile	400	16·43	417·3	307·8	21
	3	Beau Champ§	20	8·04	204·2	194·6	19
	4	Belle Rive*	400	13·19	335·0	...	23
	5	Olivia	400	12·94	328·7	267·2	23
	6	Deep River*	350	11·99	304·5	...	21
	7	Belle Rose Estate* ...	...	8·56	217·4	...	22
	8	Melrose*	...	...	...	...	...
	9	Bonne Veine*	...	15·00	380·9	...	24
5	1	Rose Belle*	850	...	...	...	...
	2	Riche-en-Eau§	460	15·29	388·4	291·8	14
	3	Ferney	20	...	...	...	...
	4	Beau Vallon	60	1·56	39·6	183·1	21
5 cont.	5	Union Vale*	200	6.52	165·6	246·1	24
	6	Mon Désert (Carié)§ ...	75	6·67	169·4	...	23
	7	Cluny*	1,000	...	...	...	...
	8	Union Park§	...	23·25	640·8	...	26
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate ...	...	...	...	...	...
6	1	Kanaka*	2,000	35·28	896·0	481·8	28
	2	Tivoli*	1,300	26·97	685·6	...	26
	3	La Flora§	1,050	28·74	730·0	...	28
	4	Britannia§	730	14·09	357·9	359·9	27
	5	Savannah (Mill)§ ...	200	6·12	155·4	311·9	21
	6	St. Aubin	300	8·56	217·4	241·6	26
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois*	350	13·78	350·0	327·1	26
	9	St. Avold§	900	...	...	...	...
	10	Terracine§	100	...	...	...	...
	11	St. Félix S·E.*	...	...	...	...	...
	12	Bel Air*	...	10·88	276·0	...	19
	13	Chamouny*	...	...	...	...	...
	14	Union S. E.*	...	8·90	226·1	...	19
	15	Fontenelle*	...	8·24	209·3	...	16
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	12·22	310·3	...	20
	18	Choisy Estate	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	12·35	313·7	232·4	19
	3	Beau Champ*	...	10·01	254·2	...	19
	4	Board§	...	13·68	347·4	...	17
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
...		No returns.	...	...	...	...	...
10	1	Les Gorges§	...	...	...	...	...
11	2	Curepipe Gardens ...	1,840	27·10	688·3	477·8	26
	3	Mare aux Vacoas ...	1,850	35·20	894·0	428·7	29
	4	La Marie Filter Bed ...	1,700	24·30	617·2	348·0	28
	5	Réunion	1,420	24·30	617·2	379·5	22
12	1	The Manse	850	15 92	404·3	236·7	24
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	...	...	...	...
	4	Alma§	1,460	15·98	405·9	462·8	21
	5	Bagatelle§	1,250	18·33	265·6	376·9	26
	6	Highlands*	1,300	23·50	596·9	...	25
	7	Trianon	950	15·63	397·0	279·6	22
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	11·65	295·9	...	21
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory	1,100	14·26	362.1	288·5	27
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	..
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	17·75	450·8	...	17
	17	Mon Repos§	...	...	...	...	...
13	1	The Albion Dock ...	18	...	...	...	...

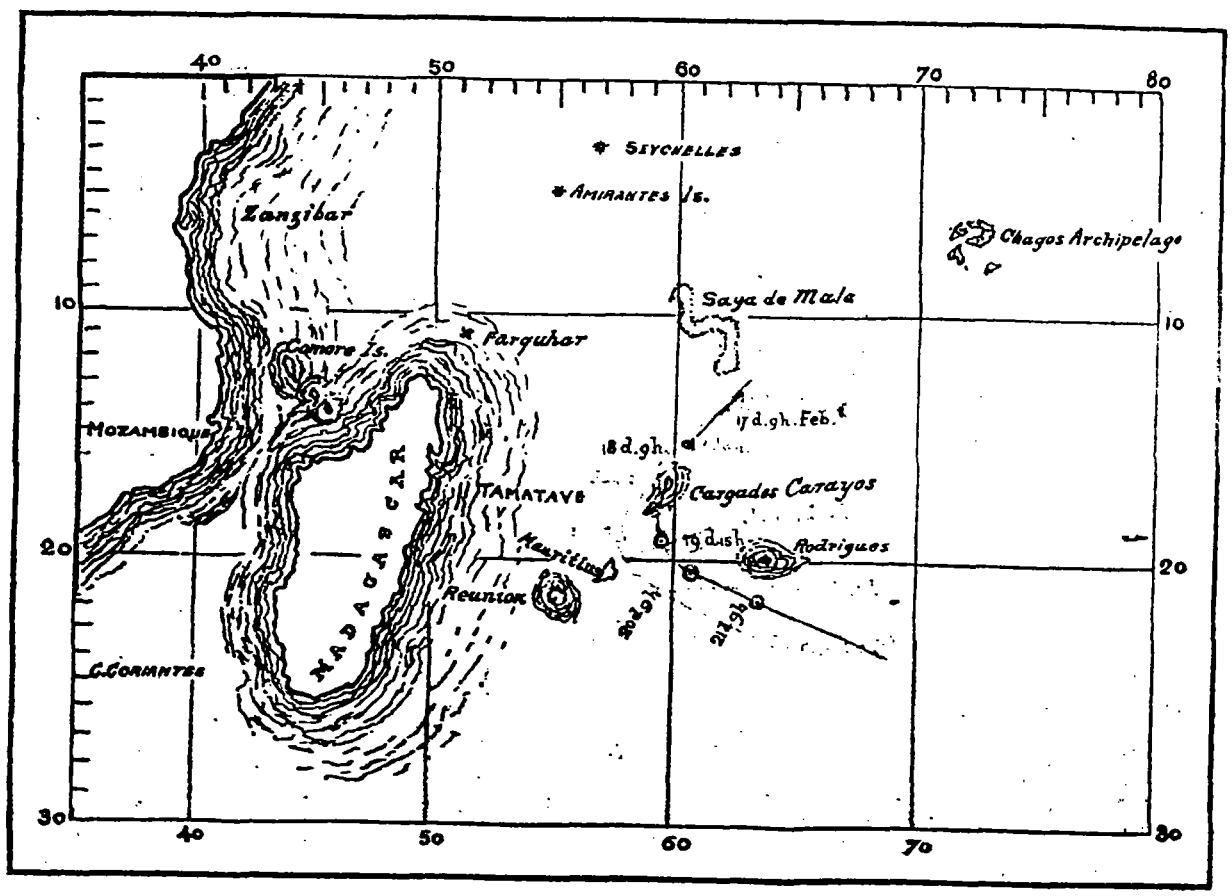
* Normals not available § Record not Received

OBSERVATIONS MADE DURING THE CYCLONE OF FEBRUARY 15TH TO 21ST

From the 15th of the month, the usual unsettled weather, indicating the presence of a northern depression was observed. The trades gradually increased in velocity, while pressure dropped steadily.

On the 17th, with increasing cloudiness of the weather, the intense circulation of the distant cyclone was felt. The centre of depression was then North Eastward of Mauritius at a distance of about 450 miles. Twenty four hours later, a light swell was observed on the Northern Coast; pressure had dropped 3.3 m.b.s. and the wind was blowing in squalls. From 15 hrs. on the 18th the slow curvature of the track became apparent, as the wind was steadily blowing with increasing Southerly conponent. Pressure dropped steadily till 15hrs. on the 19th; the cyclone was then apparently at the vertex of its track. The shifting of the wind at Mauritius was gradual and regular, the bearing to the centre increasing from about 45° (centre then very distant) to 90°. But at Rodrigues Easterly direction was observed at 9 & 15 hours on the 18th & 19th, so that on the 19th the wind was blowing nearly right towards the centre at a distance of about 200 miles E.S.E. of it.

The total fall of pressure at Rodrigues was 18.5 m.b.s. from 9hrs. on the 16th and the maximum mean hourly velocity 19.6 m.p.s. recorded at 9hrs. on the 21st.



NEW SERIES (MONTHLY). VOL. X. PART 3 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

MARCH 1924

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

PORT LOUIS
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1924.

TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of MARCH 1924

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)
	° ′			′		
MAR. 1	10·57·7	·22966	·29960	7·0	13	24
2	57·3	69	60	6·4	35	22
3	...	...	63	...	...	21
4	...	...	62	...	...	27
5	...	...	61	...	...	31
6	...	...	64	...	...	25
7	...	...	64	...	...	17
8	56·5	59	63	5·2	28	13
9	56·5	59	61	9.5	26	25
10	56·3	66	...	10·0	21	...
11	56·1	61	...	9·9	30	...
12	56.2	71	60	5·8	30	16
13	56·8	67	59	7·8	27	16
14	56·6	72	60	5·5	29	12
15	57·1	72	59	6·3	21	19
16	57·0	75	57	5·0	64	19
17	57·1	64	59	4·8	28	12
18	57·1	73	59	6·1	38	17
19	57·5	72	56	6·0	27	24
20	56·8	72	55	7·0	35	19
21	57·4	63	57	4·0	34	14
22	57·0	67	58	4·9	36	12
23	57·8	57	60	5·4	30	14
24	57·4	60	56	6·4	20	22
25	57.6	61	57	5·7	34	10
26	57·7	59	57	7·0	22	17
27	57·8	65	57	4·5	43	11
28	57·5	66	56	5·7	38	13
29	57·4	...	56	5·5	...	15
30	57·0	...	57	4·0	...	10
31	57·3	...	59	3·5	...	12
Mean	10·57·09	·22966	·29959	6·11	30·8	17·6

List of Magnetic disturbances.

The following notes give a brief description of abnormal magnetic movements. 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, +=an increase and —=a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

MARCH 1924.

8d 0h to 2h Truncated wave in H. F., sharper at beginning, maximum at 0½h. (+35 γ). 0½h to 3½h a number of small positive waves in V. F. in extent not exceeding (+5 γ). 2½h to 3½h sharp increase in H. F. (+32 γ) with superposed oscillation and slow partial return. 2¼h to 2¾h wave in Dec. (—2.8′) with only partial return. 16h to 18½h decrease in H. F. (—20 γ) with feeble superposed positive wave at 18h.

10d 3h to 3¾ increase in H. F. (+21 γ) with only partial return.

16d 18h to 22¼h slow decrease in H. F. (—42 γ) with slow partial recovery.

21d and 22d a number of small oscillations and vibrations throughout in V. F.

22d 20½h wave in H. F. (+10 γ). 20¼h small negative wave in V. F.

23d 1h to 1½h double wave in H. F., total extent=(22 γ) the intermediate portion steep. 1¼h small negative wave in V. F. 23½h wave in H. F. (+20 γ). 17¼h wave in H. F. (—12 γ) with slow return.

30d 17h to 31d a number of small waves and oscillations throughout.

31d 0¾h to 1¾h increase in V. F. (+5 γ) and oscillations. From the 1st to the 7th 10h and from the 29th to the 31st, the register was defective.

T=0·37749: Mean Dip.=θ=52°.31′·65 (X=·22548: Y=—·04363: Z=·29959).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of MARCH 1924.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Horizontal Force (C.G.S. Unit) Observed Value.	Dip (South). A. M. Observations. Day and Hour.	A. M. Observations. Observed Value.	Resulting Vertical Force. C. G. S. Units.	P. M. Observations. Day and Hour.	P. M. Observations. Observed Value.	Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
MAR. 7.11·17	10·55·36	MAR. 3·11·00	·22987	MAR. 3·10·39	52.31·81	·29970	MAR. ...	...	...
·13·51	10·51·77	·13·51	·22955	10·10·11	52·30·93	·29940	...	...	...
15. 9·11	11·01·51	10·10·14	·22964	15. 9.35	52.31.81	·29968	15·13·44	52·30·59	·29954
.13·52	10·52·09	·13·43	·22957	21·10·01	52·31·75	·29958			
21· 9·26	10·58·14	21·10·00	·22968						
26.11·22	10·59·41	·13·30	·22966						
.13·23	10·55·41	28· 9·33	·22979						
		·13·24	·22979						

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

MARCH 1924.

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

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

MARCH 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	060	066	065	...	...	...	...	050	056	062	061	067	060	065	071	067	Midnight
1h	061	068	065	...	...	...	...	075	057	060	067	067	062	067	067	068	1h
2	062	070	068	...	...	...	...	047	048	063	067	066	064	067	068	073	2
3	061	068	074	...	...	...	...	075	060	075	068	071	067	071	071	074	3
4	062	067	077	...	...	...	...	065	051	080	068	071	066	067	070	079	4
5	063	068	078	...	...	...	...	055	059	075	072	072	067	068	074	083	5
6	064	069	084	...	...	...	...	055	060	073	070	070	067	069	073	082	6
7	064	070	083	...	...	...	...	057	058	077	068	074	068	075	074	083	7
8	062	072	070	...	...	...	..	053	051	068	060	082	067	077	076	081	8
9	065	071	078	...	...	...	...	053	052	061	056	080	065	078	074	087	9
10	071	073	...	...	...	...	055	054	055	061	053	084	070	083	079	094	10
11	073	077	...	...	...	...	057	067	069	067	051	088	081	092	082	097	11
Noon	069	082	...	...	...	...	054	061	072	071	042	084	082	087	082	097	Noon
13h	070	083	...	...	...	...	051	065	074	075	051	081	078	082	084	095	13h
14	068	083	...	...	...	...	050	068	067	073	048	080	074	075	081	091	14
15	067	078	...	...	...	...	048	068	057	060	046	073	065	069	073	081	15
16	067	074	...	...	...	...	047	064	060	064	051	067	057	068	067	073	16
17	067	070	...	...	...	..	045	058	062	062	060	064	055	067	063	072	17
18	067	062	...	...	...	...	045	047	058	060	066	058	058	064	064	074	18
19	068	058	...	...	...	...	051	051	063	059	068	061	063	067	067	068	19
20	068	048	...	...	...	...	051	058	058	063	067	060	064	063	069	061	20
21	070	052	...	...	...	...	053	059	055	062	068	061	065	064	069	042	21
22	067	067	...	...	...	...	051	058	050	061	068	062	065	066	069	033	22
23	067	066	...	...	...	...	051	058	051	064	067	062	066	066	067	041	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. \ Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	053	059	064	071	062	065	061	055	056	052	057	058	...	...	...	060·8	Midnight
1h	055	061	069	075	064	062	054	054	057	055	059	059	...	...	...	062·7	1h
2	059	063	072	068	076	058	072	060	058	058	062	061	...	...	...	063·6	2
3	062	066	072	067	083	066	064	061	061	058	061	061	...	...	...	067·1	3
4	065	068	073	069	076	067	065	062	061	058	065	062	...	...	...	066·8	4
5	063	070	074	072	067	072	066	061	060	061	064	063	...	...	...	067·3	5
6	063	073	078	071	064	066	067	060	062	061	063	064	...	...	...	067·1	6
7	062	075	082	072	064	074	065	059	067	064	070	067	...	...	...	069·1	7
8	063	077	077	079	066	077	061	060	068	065	076	071	...	...	...	069·1	8
9	066	080	070	088	055	079	060	061	072	058	078	074	...	...	...	068·8	9
10	074	085	081	091	063	082	062	065	078	058	081	078	...	...	...	072·8	10
11	078	092	081	093	069	087	061	068	080	066	091	086	...	...	...	078·1	11
Noon	081	090	085	092	068	086	058	074	070	069	090	091	...	...	...	077·5	Noon
13h	079	087	086	077	072	083	052	074	067	072	083	085	...	...	...	076·3	13h
14	071	081	075	081	060	075	052	066	060	066	071	073	..	...	...	071·3	14
15	064	077	074	077	049	068	057	058	050	059	064	063	...	...	...	065·1	15
16	061	078	061	065	054	062	053	054	046	055	057	057	...	...	...	061·5	16
17	061	077	059	058	052	061	042	057	058	058	055	053	...	...	...	060·5	17
18	060	076	060	063	057	054	044	057	057	058	052	053	...	...	...	059·5	18
19	061	073	062	060	057	052	052	059	055	051	048	058	...	...	...	060·0	19
20	057	067	065	062	056	051	048	058	056	050	049	059	...	...	...	059·0	20
21	057	068	066	059	053	055	049	057	054	051	051	060	...	...	...	058·6	21
22	058	054	068	059	054	056	048	056	051	055	051	059	...	...	...	058·0	22
23	059	062	066	061	061	056	064	057	052	057	057	059	...	...	...	060·3	23

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

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

MARCH 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	065	064	065	067	065	068	069	065	065	065	...	063	064	062	062	061	Midnight
1h	065	064	065	067	064	067	067	063	065	064	...	063	064	062	062	061	1h
2	065	064	065	066	063	066	066	063	064	063	...	062	063	062	063	061	2
3	066	064	064	066	063	065	066	060	062	062	...	063	063	061	063	061	3
4	066	064	064	066	064	066	065	061	063	060	...	062	063	061	063	061	4
5	066	064	065	067	065	066	065	062	063	064	...	061	063	061	062	061	5
6	066	064	065	067	066	067	065	064	064	064	...	061	063	061	062	061	6
7	067	064	067	069	070	068	067	066	067	067	...	062	063	059	063	063	7
8	069	066	070	070	073	072	070	067	071	068	...	063	064	061	065	060	8
9	064	064	067	066	069	070	067	066	069	062	...	060	064	061	064	054	9
10	060	064	062	060	060	060	062	067	060	053	...	059	058	063	057	053	10
11	053	058	056	048	054	054	057	064	053	046	...	058	055	061	053	049	11
Noon	050	052	052	043	049	048	054	060	047	042	...	053	051	057	050	044	Noon
13h	046	044	049	044	042	047	053	054	046	...	...	048	048	054	046	045	13h
14	045	045	050	049	043	051	055	054	050	...	046	047	050	051	047	050	14
15	048	048	054	054	047	056	063	056	053	...	048	050	054	053	053	054	15
16	053	054	060	061	053	062	066	062	060	...	053	055	056	055	056	055	16
17	056	060	066	064	060	065	068	063	062	...	055	059	059	061	061	057	17
18	059	063	070	066	063	065	067	064	063	...	059	063	060	063	061	059	18
19	061	064	069	065	065	066	066	065	063	...	060	063	060	063	061	059	19
20	062	064	068	066	066	068	065	065	064	...	061	063	060	063	061	061	20
21	062	064	068	066	068	068	065	065	065	...	062	063	061	063	061	063	21
22	064	064	067	065	068	069	065	065	065	...	063	063	061	063	061	063	22
23	064	064	066	064	067	069	065	065	065	...	063	063	061	063	060	062	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	062	062	061	060	059	060	061	062	059	060	060	060	057	056	063	062·3	Midnight
1h	062	062	060	057	059	059	061	062	058	060	060	060	057	056	063	061·9	1h
2	061	062	060	059	058	059	057	060	057	058	059	059	058	056	060	061·2	2
3	061	062	059	059	057	059	058	059	057	057	058	059	058	057	062	061·0	3
4	062	062	059	059	056	058	058	058	057	057	057	058	056	057	060	060·8	4
5	062	062	060	059	057	058	058	058	057	056	057	057	056	057	059	060·8	5
6	061	062	061	060	059	059	058	059	057	056	056	057	056	056	060	061·1	6
7	062	063	063	060	058	060	061	060	062	057	056	055	056	055	058	062·1	7
8	062	061	065	061	062	059	062	063	062	061	059	058	061	056	062	064·0	8
9	057	060	062	060	061	058	066	064	061	064	062	060	062	058	065	062·9	9
10	059	060	057	056	057	060	066	062	060	063	060	058	060	055	063	060·0	10
11	055	055	050	052	054	056	067	046	059	058	054	058	055	053	058	055·3	11
Noon	053	050	043	045	051	053	062	042	056	053	052	055	052	053	054	051·2	Noon
13h	050	046	041	042	049	052	055	043	052	050	051	048	048	053	053	048·2	13h
14	051	047	044	043	049	050	053	044	054	047	051	047	047	053	054	049·0	14
15	053	052	048	046	052	053	052	050	054	049	052	051	051	056	054	052·3	15
16	055	055	050	044	053	055	054	053	053	053	055	055	054	058	056	055·6	16
17	056	059	053	054	056	057	056	055	055	056	059	056	054	058	058	058·7	17
18	058	061	054	057	058	059	059	056	056	057	059	057	054	060	060	060·4	18
19	060	060	057	057	060	060	060	057	057	058	060	057	056	061	060	061·0	19
20	060	060	058	059	060	061	060	057	058	059	060	057	057	063	061	061·6	20
21	061	061	058	060	061	062	063	058	058	060	060	057	058	063	060	062·1	21
22	061	061	060	058	062	062	062	058	060	060	060	057	059	062	059	062·2	22
23	061	061	059	058	063	062	062	057	060	060	060	057	057	063	058	061·9	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1924.

Month and Day 1924.	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.)
MAR.	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1005·3	+ 0·5	29·6	21·4	8·2	25·0	— 0·6	2·0	21·6	— 0·3	81	+ 1	25·5	19·2	0·0	...	7·5	4·0
2	1007·2	+ 2·3	28·9	21·2	7·7	25·1	— 0·5	2·3	21·2	— 0·7	79	— 1	24·9	19·6	0·0	...	7·2	2·7
3	1007·8	+ 2·9	29·2	23·0	6·2	25·7	+ 0·2	2·9	20·8	— 1·1	74	— 6	24·3	20·9	0·0	...	7·0	4·5
4	1006·7	+ 1·7	28·9	23·6	5·3	25·8	+ 0·3	2.0	22·4	+ 0·5	81	+ 1	26·8	21·5	2·8	85	7·8	7·6
5	1007·1	+ 2·1	29·1	23·1	6·0	25·8	+ 0·3	2·2	22·1	+ 0·2	80	0	26·3	20·7	1·1	10	6·6	6·8
6	1008·9	+ 3·8	29·1	23·0	6·1	25·5	0·0	2·2	21·8	— 0·1	80	0	25·9	20·3	1·0	10	6·7	6·2
7	1010·5	+ 5·4	28·2	22·9	5·3	25·4	— 0·1	2·5	21·1	— 0·8	77	— 3	24·8	21·7	5·2	85	6·2	7·6
8	1009·5	+ 4·3	27·1	22·4	4·7	24·4	— 1·0	2·4	20·3	— 1·6	78	— 2	23·6	20·9	5·8	55	8·6	6·9
9	1008·4	+ 3·2	27·5	22·8	4·7	24·9	— 0·5	3·1	19·6	— 2·2	72	— 8	22·6	21·5	0·0	...	7·5	6·4
10	1007·8	+ 2·5	28·3	22·6	5·7	25·1	— 0·3	2·5	20·8	— 1·0	77	— 4	24.3	21·0	0·6	10	6·2	7·8
11	1007·7	+ 2·4	27·8	23·1	4·7	25·1	— 0·3	2·0	21·7	— 0·1	82	+ 1	25·7	21·4	7·1	90	8·8	7·0
12	1006·3	+ 0·9	28·0	22·5	5·5	24·8	— 0·6	2·5	20·5	— 1·3	77	— 4	43·9	20·0	0·0	...	6·5	4·9
13	1005·8	+ 0·4	28·5	22·3	6·2	24·9	— 0·4	2·5	20·6	— 1·2	77	— 4	24·0	19·9	0·0	...	7·5	4·3
14	1006·3	+ 0·8	28·3	22·7	5·6	25·0	— 0·3	2·8	20·2	— 1·5	75	— 6	23·4	19·9	0·0	...	6·5	6·0
15	1006·2	+ 0·7	28·2	22·1	6·1	24·9	— 0·4	3·4	19·1	— 2·6	70	— 11	21·9	19·8	0·0	...	7·0	7·3
16	1007·1	+ 1·5	28·9	22·0	6·9	24·8	— 0·5	3·2	19·3	— 2·4	72	— 9	22·2	19·4	0·0	...	7·0	3·7
17	1008·0	+ 2·4	28·8	21·9	6·9	24·9	— 0·4	2·7	20·3	— 1·3	76	— 5	23·6	18·7	0·0	...	6·2	4·5
18	1007·8	+ 2·1	28·3	21·3	7·0	24·5	— 0·7	2·7	19·9	— 1·7	76	— 5	2·30	18·3	0·0	...	6·0	5·5
19	1008·1	+ 2·3	27·9	19·1	8·8	23·7	— 1·5	3·1	20·1	— 1·5	80	— 1	23·3	14·5	1·0	5	7·2	4·6
20	1008·9	+ 3·1	28·1	20·3	7·8	23·7	— 1·5	2·7	19·1	— 2·4	76	— 4	21·9	17·5	0·0	...	6·0	6·1
21	1009·2	+ 3·3	28·1	21·5	6·6	25·0	— 0·1	2·6	20·6	— 0·9	76	— 4	24·0	16·8	0·0	...	5·5	8·3
22	1008·7	+ 2·8	29·6	23·9	5·7	25·4	+ 0·3	2·2	21·7	+ 0·3	80	0	25·7	22·2	0·0	...	5·0	8·4
23	1008·2	+ 2·3	26·8	21·9	4·9	23·6	— 1·5	0·9	22·1	+ 0·7	91	+ 11	26·3	20·0	145·7	540	2·0	9·6
24	1006·8	+ 0·8	25·1	21·6	3·5	23·4	— 1·7	0·7	22.2	+ 0·9	93	+ 13	2·65	20·0	44·8	405	3·5	9·3
25	1006·4	+ 0·3	27·9	23·3	4·6	25·1	+ 0·1	1·7	22·2	+ 0·9	84	+ 4	26·5	21·9	0·0	...	5·0	6·3
26	1006·2	0·0	27·8	23·9	3·9	25·2	+ 0·2	1·6	22·5	+ 1·2	85	+ 5	27·0	22·0	0·0	...	3·0	7·4
27	1005·5	— 0·7	26·8	22·0	4·8	24·1	— 0·9	1·2	22·0	+ 0·8	88	+ 8	26·2	21·0	50·9	370	2·6	9·6
28	1004·7	— 1·6	27·1	22·6	4·5	24·7	— 0·3	1·5	22·1	+ 0·9	85	+ 5	2·63	21·6	0·2	10	2·2	10·0
29	1004·8	— 1·5	28·4	23·7	4·7	25·5	+ 0·6	1·6	22·8	+ 1·7	85	+ 5	27·5	21·7	0·0	...	4·0	6·2
30	1005·7	— 0·7	27·8	23·1	4·7	25·0	+ 0·1	1·9	21·8	+ 0·7	82	+ 2	25·9	21·7	0·0	...	4·5	4·8
31	1004·9	— 1·5	27·9	23·4	4·5	24·9	0·0	1·5	22·3	+ 1·3	8·6	+ 6	26·7	21·8	6·1	30	4·1	5·6
Mean	1007·2	+ 1·6	28·2	22·4	5·8	24·8	— 0·5	2·2	21·1	— 0·5	79·8	— 0·5	24.9	20·2	272·3	1705	5·9	6·5
Aver.	1005·6	...	28·8	22·3	6·5	25·3	...	2·2	21·6	...	80·3	...	25·5	20·0	228·1	2717	4·5	6·0
...	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 1924.

The variations of pressure observed during the month were in the shape of two well marked positive waves culminating on the 7th and 21st respectively. From the 23rd, it steadily dropped to below normal.

Air temperature was again remarkably steady and generally about normal from the 1st to the 18th. For the latter part of the month however, the variations were sharp and more or less periodical.

Relative Humidity was generally below normal from the 1st to the 21st but variable; it was above normal for the remainder of the month.

A sharp increase in Wind Velocity was observed from the 6th and the excess kept very markedly above normal on the 7th, 8th, 9th, 10th & 11th. For the remainder of the month it was about normal.

At the Observatory, rainfall was above normal, and the total amount was registered at two well marked periods; the greater part falling during the second period.

The percentage variations for the other districts of the Island was as follows:

Northern Districts	River System 1,	8 %	above
Eastern Districts	,, ,, 2, 3, 4,	24 %	,,
South-Eastern Districts	,, ,, 5 & 6	78 %	,,

Western Districts	River System 11	23%	above
	,, ,, 12	37%	below
	,, ,, 13	34%	above

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MARCH 1924

Month and Day 1924.	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	°	°	°	°	°	°	°	
1	10·0	81	+ 0·5	+ 1·4	110	1·5	1·9	− 1·5	25·4	27·1	27·8	27·5	...	27·4	27·7	f. : c f. f. .
2	11.2	90	0·0	+ 2·4	90	2·4	2·6	− 0·8	25·4	26·9	27·8	28·0	...	28·1	28·3	f. : c.f. : f. .
3	9·9	80	− 1·2	+ 3·4	71	3·6	3·6	+ 0·2	25·4	26·9	27·9	28·2	...	28·4	28·8	f. : o.g. d. .
4	10·1	81	− 0·1	+ 3·0	88	3·0	3·2	− 0·2	25·4	26·9	28·0	28·2	...	28·7	28·6	o.g.r. : c. .
5	9·0	73	− 0·2	+ 2·9	86	2·9	3·0	− 0·4	25·4	26·9	28·1	28·7	...	28·8	28·6	o. p: c. : f.
6	10·1	81	− 0·9	+ 4·5	79	4·6	4·7	+ 1·3	25·4	26·9	28·1	28·6	...	28·5	28·1	f. : c. q. : f.
7	7·6	62	− 1·8	+ 6·0	73	6·2	6·3	+ 2·9	25·4	26·9	28·2	28·4	...	28·2	27·6	c.f. : o. : r.
8	9·0	73	− 3·1	+ 6·5	64	7·2	7·2	+ 3·8	25·4	26·9	28·4	28·0	...	27·3	27·1	o.g. r, : c. : c f. .
9	8·0	65	− 1·5	+ 6·1	76	6·3	6·4	+ 3·0	25·5	26·9	28·6	27·5	...	26·8	26·5	f.q. : o. .
10	7·1	58	− 1·8	+ 4·7	69	5·0	5·1	+ 1·7	25·4	26·9	28·8	27·4	...	27·1	27·0	c. : o .q. .
11	7·7	63	− 1·5	+ 4·5	72	4·7	4·8	+ 1·4	25·4	26·9	28·9	27·4	...	27·4	27·2	o.g.r : o. : c. : f. .
12	10·5	85	− 1·4	+ 3·5	68	3·7	3·9	+ 0·5	25·4	26·9	29·1	27·6	...	27·4	27·8	f. : c. : f. .
13	10·8	89	− 1·6	+ 3·4	65	3·7	3·9	+ 0·5	25·6	26·9	29·3	27·7	...	27·6	27·5	f. : c.f. : f. .
14	8·1	66	− 2·1	+ 3·8	61	4·3	4·4	+ 1·0	25·4	26·9	29·2	27·7	...	27·4	27·7	f. : c. o. .
15	9·8	80	− 2·1	+ 3·4	58	4·0	4·0	+ 0·6	25·4	26·9	27·7	27·6	...	27·3	27·6	o. : c.f. : c. o. :
16	10·7	88	− 1·1	+ 3·3	72	3·5	3·6	+ 0·3	25·6	26·9	27·7	27·8	...	27·4	27·1	f. .
17	8·6	70	− 0·7	+ 2·9	76	3·0	3·1	− 0·2	25·4	26·9	27·7	27·6	...	27·4	27·3	f. : cf. : f. .
18	7·3	60	− 0·8	+ 2·6	73	2·7	2·9	− 0·4	25·4	26·9	27·7	27·7	...	27·4	27·0	f. : c. .
19	8·1	67	− 1·5	+ 2·7	61	3·1	3·2	− 0·1	25·7	26·9	27·7	27·5	...	27·0	26·5	f. : c.f. : .
20	7·1	59	− 0·9	+ 2·4	69	2·6	2·7	− 0·6	25·6	26·9	27·6	27·3	...	26·8	26·5	f : o.g : c f. .
21	5·3	44	− 1·9	+ 2·8	56	3·4	3·5	+ 0·2	25·6	26·9	27·6	27·2	...	26·8	26·6	o. .
22	6·3	52	− 1·7	+ 3·4	63	3·8	4·0	+ 0·7	25·6	26·9	27·5	27·5	...	27·5	27·4	o. .
23	1·0	8	− 1·3	+ 2·6	63	2·9	3·4	+ 0·1	25·6	26·9	27·5	26.6	...	25·6	24·5	r. o. r. .
24	0·0	0	− 1·2	+ 2·6	65	2·8	3·0	− 0·3	25·9	26·9	26·7	25·9	...	24·6	24·0	r. o. .
25	7·7	64	− 1·6	+ 3·8	67	4·1	4·2	+ 0·9	25·9	26·9	26·8	25·5	...	25·2	25·5	f: c. :f. .
26	4·2	35	− 1·9	+ 4·1	65	4·5	4·6	+ 1·3	25·9	26·9	26·8	26·3	...	26·0	26·1	o. :c.f. .
27	0·0	0	− 1·0	+ 2·9	71	3·0	3·3	0·0	25·9	26·9	26·9	26·5	...	25·8	25·6	o. r. .
28	0·2	2	− 1·4	+ 3·1	66	3·4	3·5	+ 0·2	25·9	26·9	26·9	26·0	...	25·2	25·1	o . .
29	8·8	74	− 1·0	+ 3·2	73	3·3	3·4	+ 0·1	25·7	26·9	26·9	26·1	...	26·0	26·3	o . g . : c. f .
30	9·1	76	− 1·8	+ 3·1	60	3·6	3·6	+ 0·3	25·7	26·9	26·9	26·5	...	26·6	26·8	f. c . f. f .
31	7·5	63	− 1·6	+ 3·4	65	3·7	3·9	+ 0·6	25·4	26·8	26·8	27·1	...	26·7	26·8	f. : o . r . : c.f. : f.
Mean	7·45	60·9	− 1·30	+ 3·50	69·6	3·73	3·90	+ 0·55	25·55	26·91	27·85	27·37	...	27·06	26·62	...
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	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MARCH 1924.

Element	Highest			Date	Lowest			Date
Atmospheric Pressure	1012·0 m.b.s.	at	23h	on 7th	1002·2 m.b.s.	at	15h	on 31st
Temperature of the Air	29·6°C	at 13·00h	on 1st & 13.30h	on 22nd	19·1°C	at	5·45h	on 19th
Daily range of temperature of the Air...	8 8°C		...	on 19th	3·°5C		...	on 24th
Temperature of the Dew Point	23·7°C	at 16h	on 4th & 10h	on 31st	16·°7C	at	4h	on 19th
Daily range of temperature of the Dew Point	4·6°C		...	on 22nd	1·2°C		...	on 26th
Relative humidity...	98·8%	at	7h	on 24th	52·1%	at	14h	on 16th
Wind Velocity	11·3 m.p.s.	at	11h	on 8th	0·7 m.p.s.	at	20h	on 20th
Rainfall	149·5 mm.	ending	2h	on 24th	...		...	...
Temperature of the soil at 3 ins. ...	30·9°C	at	18h	on 3rd	22.9°C	at	6h	on 23rd
,, ,, at 6 ins. ...	29·6°C	at	18h	on 3rd & 4th	24·1°C	at	15h	on 24th
Duration of sunshine...	11·2h		...	on 2nd	0·0h		...	on 24th & 27th
Amount of Evaporation	8·8 mm.		...	on 11th	2·0 m.m.		...	on 23rd
Vapour Tension	27·5 mbs		...	on 29th	21·9 m.p.s.		...	on 15th & 20th
Minimum on Grass	...		...	...	14·5°C		...	on 19th

Number of Days Overcast, 11 Clear 1, of Rain 13, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 26·°32C, Average 26·86°C, Mean Night Temperature of Air 23·37°C, Average 23·87°C.

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

† Thermometer broken.

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

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

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

Hour \ Day	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour
Midnight	0051	0071	0088	0081	0071	0080	0106	0110	0097	0087	0081	0079	0064	0064	0069	0072	Midnight
1h	0044	0068	0083	0079	0069	0079	0102	0101	0091	0082	0080	0073	0061	0063	0063	0067	1h
2	0040	0062	0080	0067	0064	0074	0098	0097	0082	0078	0078	0065	0066	0060	0051	0063	2
3	0039	0058	0078	0064	0057	0070	0091	0092	0078	0072	0073	0061	0050	0051	0049	0058	3
4	0038	0057	0073	0060	0062	0071	0090	0091	0074	0071	0073	0062	0050	0050	0051	0057	4
5	0041	0060	0071	0059	0064	0072	0093	0092	0077	0072	0077	0063	0050	0053	0058	0059	5
6	0044	0064	0076	0064	0067	0077	0099	0094	0081	0079	0079	0063	0054	0058	0064	0062	6
7	0052	0071	0079	0067	0074	0082	0104	0098	0086	0079	0082	0065	0059	0062	0066	0063	7
8	0061	0078	0082	0070	0079	0091	0109	0099	0092	0084	0087	0068	0063	0069	0070	0069	8
9	0062	0080	0088	0070	0080	0092	0114	0102	0097	0089	0091	0070	0066	0076	0070	0071	9
10	0062	0080	0088	0071	0081	0092	0116	0103	0099	0090	0090	0070	0064	0074	0069	0072	10
11	0058	0079	0087	0070	0079	0092	0118	0097	0093	0086	0085	0065	0063	0073	0067	0069	11
Noon	0056	0078	0080	0065	0073	0089	0111	0094	0089	0081	0080	0062	0058	0065	0059	0069	Noon
13h	0048	0071	0078	0059	0064	0088	0110	0085	0081	0080	0074	0055	0052	0059	0057	0065	13h
14	0044	0066	0068	0056	0056	0082	0105	0082	0075	0070	0068	0051	0047	0057	0052	0065	14
15	0045	0063	0062	0052	0061	0079	0097	0082	0071	0070	0062	0050	0043	0051	0050	0065	15
16	0046	0062	0066	0052	0060	0078	0094	0082	0070	0067	0061	0053	0044	0051	0052	0062	16
17	0043	0065	0065	0059	0064	0085	0095	0082	0072	0069	0067	0052	0049	0052	0054	0073	17
18	0051	0065	0072	0062	0065	0092	0101	0089	0072	0071	0073	0055	0051	0063	0062	0075	18
19	0060	0079	0073	0068	0072	0102	0102	0096	0079	0077	0075	0058	0060	0068	0067	0082	19
20	0067	0082	0080	0075	0077	0110	0110	0102	0086	0080	0078	0063	0066	0071	0071	0088	20
21	0071	0090	0088	0080	0082	0111	0115	0103	0091	0082	0080	0067	0069	0077	0074	0091	21
22	0074	0090	0089	0082	0084	0116	0120	0103	0092	0084	0082	0070	0072	0074	0074	0092	22
23	0074	0091	0086	0079	0083	0111	0118	0101	0088	0084	0081	0070	0071	0076	0077	0089	23

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour
Midnight	0089	0086	0088	0088	0104	0093	0090	0079	0071	0078	0068	0052	0060	0058	0065	1007·9	Midnight
1h	0084	0083	0081	0084	0099	0085	0085	0079	0065	0070	0061	0045	0052	0054	0060	1007·4	1h
2	0080	0079	0078	0081	0093	0081	0081	0069	0061	0062	0054	0039	0050	0054	0052	1006·9	2
3	0072	0074	0073	0078	0089	0081	0076	0064	0059	0058	0050	0040	0045	0053	0051	1006·5	3
4	0072	0073	0071	0075	0085	0079	0072	0057	0057	0055	0042	0034	0042	0050	0049	1006·3	4
5	0074	0075	0073	0079	0083	0081	0078	0061	0060	0056	0042	0035	0042	0052	0050	1006·5	5
6	0079	0079	0074	0083	0089	0084	0079	0068	0063	0063	0041	0038	0049	0053	0051	1006·8	6
7	0083	0082	0075	0088	0093	0092	0085	0077	0067	0064	0048	0040	0051	0057	0053	1007·2	7
8	0085	0088	0080	0095	0099	0098	0091	0080	0069	0068	0059	0050	0055	0064	0057	1007·8	8
9	0089	0088	0084	0100	0100	0100	0097	0079	0073	0070	0065	0055	0057	0066	0062	1008·1	9
10	0088	0088	0089	0102	0102	0100	0097	0080	0072	0073	0069	0054	0056	0067	0060	1008·1	10
11	0086	0082	0089	0099	0101	0093	0094	0078	0068	0068	0064	0047	0055	0064	0058	1007·8	11
Noon	0081	0075	0084	0092	0094	0090	0091	0066	0065	0061	0059	0040	0047	0057	0052	1007·3	Noon
13h	0073	0069	0080	0085	0089	0081	0079	0063	0059	0050	0047	0044	0035	0052	0045	1006·7	13h
14	0066	0065	0072	0081	0084	0078	0078	0059	0054	0049	0045	0041	0031	0044	0039	1006·2	14
15	0062	0061	0070	0076	0081	0079	0071	0050	0050	0049	0048	0034	0024	0043	0022	1005·9	15
16	0063	0062	0072	0073	0081	0078	0070	0051	0051	0050	0055	0042	0030	0048	0028	1006·0	16
17	0066	0066	0075	0078	0083	0081	0076	0055	0052	0050	0050	0045	0034	0049	0031	1006·2	17
18	0073	0069	0081	0083	0085	0080	0084	0059	0056	0055	0043	0049	0045	0054	0034	1006·7	18
19	0081	0076	0085	0089	0092	0080	0088	0067	0062	0062	0053	0052	0052	0061	0039	1007·3	19
20	0088	0081	0092	0100	0093	0089	0085	0070	0073	0065	0061	0052	0059	0064	0043	1007·8	20
21	0094	0087	0099	0107	0100	0092	0081	0073	0079	0070	0065	0061	0061	0071	0060	1008·3	21
22	0093	0089	0098	0109	0101	0092	0084	0073	0079	0074	0067	0067	0061	0070	0062	1008·4	22
23	0090	0088	0092	0109	0099	0094	0083	0072	0075	0071	0061	0064	0056	0069	0061	1008·3	23

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

Hour. \ Day.	MARCH 1924.																															
	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	1	8	8	1	3	9	3	5	8	2	1	1	8	6	1	3	7	4	8	9	9	10	4	4	7	10	10	3	6	5·4
1h	1	0	1	9	8	1	4	7	3	5	9	2	1	2	10	4	1	3	6	1	9	9	9	10	2	3	7	10	10	2	7	5·0
2	1	1	1	9	9	2	6	9	3	7	10	3	1	2	10	2	1	3	4	6	9	9	10	10	3	8	9	10	9	3	6	5·7
3	1	1	1	10	9	2	6	9	4	8	10	2	2	2	3	2	1	3	2	8	9	9	10	10	4	10	10	10	8	3	6	5·6
4	2	1	1	10	9	4	5	9	4	7	9	3	2	1	3	3	1	3	2	8	9	8	10	10	6	10	9	10	7	4	5	5·6
5	5	1	2	9	8	7	5	8	5	7	9	4	4	2	4	4	2	3	2	9	8	9	10	10	8	9	9	10	6	4	5	6·1
6	5	2	2	9	8	9	5	8	6	8	9	7	9	4	5	6	2	3	3	8	8	9	10	10	9	9	9	10	5	5	6	6·7
7	6	3	2	9	8	8	9	9	7	8	9	5	7	6	5	5	3	4	4	8	7	8	10	10	9	9	10	10	3	6	9	7·0
8	6	2	3	6	7	8	9	9	7	8	9	6	6	6	5	5	5	3	5	7	7	7	10	10	9	8	9	10	5	7	9	6·9
9	6	5	3	7	7	8	9	8	8	8	9	7	7	6	5	3	7	5	6	9	7	7	10	10	9	8	10	10	6	7	10	7·3
10	6	7	5	6	7	7	8	8	8	8	9	7	7	7	7	3	5	6	5	9	7	9	10	10	8	7	10	10	6	8	8	7·4
11	7	6	4	7	7	7	7	8	8	8	9	7	7	6	8	3	6	7	5	9	6	9	10	10	8	9	10	10	7	8	9	7·5
Noon	7	5	3	8	5	7	8	8	8	8	7	7	6	5	8	5	6	6	6	8	6	9	10	10	7	9	10	10	7	7	8	7·2
13h	7	5	4	7	6	7	8	8	9	8	7	7	6	5	8	4	6	7	6	7	7	7	9	10	6	8	10	10	7	7	7	7·1
14	7	5	4	7	7	7	8	8	9	7	7	7	6	5	8	5	7	7	6	6	7	6	8	10	6	7	10	10	7	6	7	7·0
15	7	5	5	7	7	8	9	8	8	7	7	7	4	7	9	6	7	7	8	5	9	8	9	9	8	9	10	10	8	5	6	7·4
16	6	4	6	6	7	8	8	7	7	8	6	7	4	8	8	5	7	6	7	4	9	8	10	9	7	9	10	10	8	4	6	7·1
17	5	3	7	6	8	8	9	6	6	8	6	7	4	8	8	5	7	6	6	4	9	8	10	9	8	9	10	10	7	3	5	6·9
18	4	3	9	6	8	9	9	6	6	9	6	5	4	9	9	4	7	5	5	4	9	8	10	9	8	9	10	10	5	3	4	6·8
19	3	2	8	7	7	8	9	4	7	9	5	4	5	9	10	4	6	6	6	3	9	9	10	8	6	6	10	10	4	3	3	6·5
20	2	1	7	7	7	9	9	4	7	10	4	3	4	9	10	3	6	8	5	4	10	10	9	9	5	4	10	10	4	5	2	6·4
21	1	1	10	8	6	4	9	3	8	10	3	4	3	9	10	2	5	9	4	5	10	9	8	9	4	2	10	10	6	4	2	6·2
22	1	1	8	7	3	4	8	3	6	9	2	2	2	10	9	1	4	8	2	4	10	9	9	10	3	4	10	10	4	3	1	5·4
23	0	1	8	8	1	4	9	2	5	7	2	2	1	10	7	1	3	8	2	6	9	9	10	4	4	6	10	10	3	4	1	5·1

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

Hour* Ending \ Day.	MARCH 1924.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...
7	45	45	42	0	25	30	5	2	0	0	0	25	15	20	20	28	25	20	28	0	15	0	0	0	0	0	0	0	8	15	2	6.9
8	60	60	60	55	50	60	20	30	30	35	20	60	60	60	60	60	55	55	50	35	55	18	0	0	5	40	0	0	20	40	20	19·5
9	55	60	60	60	60	60	5	40	60	48	30	60	60	60	60	60	58	60	45	30	25	46	0	0	25	28	0	0	45	50	18	21·1
10	60	50	60	60	55	60	35	55	60	45	36	60	60	35	50	60	60	46	55	20	38	58	0	0	30	40	0	0	55	30	40	21·9
11	50	60	60	50	40	60	60	60	60	40	40	60	60	40	60	60	58	35	58	30	55	58	0	0	60	30	0	10	60	40	40	23·2
Noon	60	60	60	60	60	60	60	50	60	38	60	60	60	60	50	60	55	50	55	45	50	45	0	0	60	35	0	2	60	60	45	24·7
13h	50	60	60	60	60	60	60	60	45	32	60	60	60	60	60	55	40	40	28	50	40	45	10	0	58	45	0	0	60	60	60	24·0
14	25	60	60	60	48	60	60	55	40	60	60	60	60	35	60	60	50	10	35	52	25	40	30	0	50	28	0	0	60	60	60	22·7
15	45	60	60	60	12	35	60	60	45	50	60	60	60	45	60	60	35	35	40	55	0	28	12	0	45	5	0	0	55	60	55	20·8
16	60	60	45	60	40	40	50	50	32	60	55	55	60	32	55	58	40	30	40	58	10	30	10	0	55	0	0	0	40	60	55	20·7
17	50	60	28	60	60	50	38	60	42	20	35	50	60	30	45	58	20	35	35	52	5	10	0	0	56	2	0	0	45	55	38	18·3
18	40	35	0	20	30	30	5	28	5	0	5	20	30	10	10	26	18	20	15	0	0	0	0	0	15	0	0	0	20	18	18	7·0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...

The total amount of registered sunshine was 230·8 hours and the total possible sunshine 377·3 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

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	22·3	1·0	22·3	1·3	23·8	1·3	23·6	1·1	24·6	0·9	24·0	1·0	24·6	2·1	22·9	0·7	Midnight
1h	22·2	0·9	21·7	1·3	23·5	1·4	23·9	0·9	24·7	0·9	24·0	1·0	24·0	1·6	23·3	1·0	1
2	22·0	1·0	21·4	1·3	23·3	1·3	23·7	0·8	24·4	0·8	23·8	1·4	24·1	1·8	23·5	1·1	2
3	21·9	0·9	21·3	1·2	23·1	1·2	23·9	0·9	24·2	0·7	23·4	1·1	24·0	1·7	22·9	0·7	3
4	21·7	0·7	21·4	1·0	23·0	1·1	23·9	0·9	24·0	1·0	23·1	0·7	24·0	1·8	22·6	0·9	4
5	21·7	0·9	21·9	1·0	23·1	1·2	24·0	0·9	23·9	1·0	23·3	1·0	24·1	2·0	23·0	0·9	5
6	21·6	0·5	22·2	1·0	23·4	1·5	23·7	0·7	23·4	0·6	23·1	0·7	24·0	2·0	22·8	1·0	6
7	23·1	0·4	23·8	0·9	24·6	2·0	24·1	1·0	23·5	0·6	24·0	1·6	24·5	2·0	23·0	1·3	7
8	25·8	1·9	26·2	2·3	26·3	2·9	25·3	1·6	25·4	1·6	26·1	2·5	25·5	2·5	23·2	1·2	8
9	26·9	2·9	27·1	3·3	27·4	3·9	27·1	3·1	26·9	3·1	27·1	3·2	26·5	3·3	24·2	1·3	9
10	27·2	3·1	27·1	2·9	28·0	4.8	27·8	3·6	27·7	3·8	27·8	3·9	27·1	3·7	25·3	2·9	10
11	28·3	3·3	28·8	4·2	28·3	4·9	27·6	3·2	28·1	4·0	28·3	4·2	27·5	4·0	26·3	3·1	11
Noon	28·9	3·5	28·6	4·2	28·3	4·8	27·3	2·6	28·4	4·4	28·7	4·1	27·9	4·4	26·5	3·1	Noon
13h	29·6	3·9	28·2	3·9	28·8	5·5	28·3	3·4	28·9	4·8	28·5	4·1	28·1	4·7	26·6	3·5	13h
14	28·0	3·4	28.3	4·2	29·2	5·2	28·9	3·9	28·7	4·3	28·6	4·2	28·1	4·6	26·2	3·3	14
15	28·2	3·8	28·2	4·2	28·9	5.1	27·9	2·5	27·7	3·7	27·2	3·1	27·5	3·9	26·3	3·5	15
16	27·9	3·6	28·0	4·1	27·6	4·4	28·0	3·8	27·9	3·2	26.2	1·9	27·1	3·3	25.8	3·6	16
17	27·0	3·1	27·4	3·8	27·2	4·1	27·5	3·3	27·1	3·1	26·4	2·3	26·5	3·1	25·3	3·7	17
18	26·2	2·7	26.2	2·9	26·5	3·4	26·3	2·3	26·5	2·7	25·9	2·3	25·3	2·2	25·0	4·0	18
19	25·1	1·9	25·0	1·7	25·4	2·3	25·2	1·5	25·2	1·7	25·0	1·4	24·7	2·0	24·7	3·5	19
20	24·4	1·4	24·1	1·2	25·0	2·1	24·9	1·3	25·0	1·7	24·0	1·0	24·0	1·1	24·4	3·3	20
21	23·5	1·2	24·1	1·2	24·9	1·6	25·0	1·3	24·4	1·4	24·1	1·5	23·9	1·0	24·0	3·0	21
22	23·1	1·1	23·8	1·2	23·4	1·4	25·0	1·3	24·1	1·1	24·4	1·7	23·5	0·9	23·7	3·0	22
23	22·7	1·1	23·9	1·1	23·3	1·2	24·8	1·1	24·0	1·0	24·5	1·9	23·0	0·7	23·3	2·9	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	23·0	3·0	23·8	1·8	24·0	1·0	23·6	1·6	22·7	0·8	23·3	1·3	23·6	1·9	22·9	1·9	Midnight
1h	...	...	...	...	24·0	..	23·3	...	22·9	0·9	23·2	...	23·1	...	22·6	...	1h
2	...	...	...		23·3	...	23·0	...	22·9	0·9	23·0	...	23·0	...	22·5	...	2
3	24·0	3·2	23·6	1·8	23·3	0·4	22·9	1.1	22·7	0·8	23·0	1·5	23·0	2·0	22·3	1·5	3
4	...	...	...	...	23·7	...	23·0	...	22·8	0·9	22·9	...	22·8	...	22·1	...	4
5	...	...	...	...	23·6	...	22·9	...	22·5	0·8	22·7	.	22·9	...	22·1	...	5
6	23·7	3·7	23·0	1·6	23·7	0·6	23·2	1·3	22·8	1·0	22·9	1·5	22·5	1·7	22·0	1·1	6
7	...	...	...	...	24·1	...	23·7	...	23·6	1·2	23·2	1·7	23·1	1·9	23·1	...	7
8	...	...	...	...	25·2	...	25·1	...	25·7	3·4	25·8	3·1	25·7	2·8	25·8	...	8
9	26·4	3·2	26·3	3·5	26·0	2·3	26·1	3·1	25·8	2·8	27·0	3·9	26·9	4·7	26·9	4·5	9
10	...	...	27·0	3·7	26·9	...	27·0	...	27·3	4·0	26·2	3·9	27·0	4·1	27·5	5·2	10
11	...	...	27·2	3·7	27·1	...	27·2	...	27·9	4·6	26·9	4·8	27·9	5·8	27·7	5·2	11
Noon	27·0	5·3	26·9	3·7	27·5	3·8	27·5	4·4	27·9	4·9	27·9	4·7	27·1	5·1	28·1	5·3	Noon
13h	...	...	27·2	4·4	27·4	...	27·4	4·4	28·0	4·9	28·0	4·8	28·1	5·2	28·0	5·6	13h
14		...	27·9	...	27·0	...	27·7	4·7	27·7	4·2	27·5	4·5	28·0	...	28·3	6·5	14
15	26·6	4·1	27·5	4·4	27·2	3·9	27·2	4·2	27·8	4·6	27·7	4·7	28·0	6·0	28·3	6·3	15
16	...	...	27·2	...	27·0	...	27·0	4·5	26·9	...	27·0	...	27·3	...	27·8	5·7	16
17	...	. .	26·3	...	26·1	...	26·2	3·9	26·5	...	26·2	...	26·1	...	26·5	3·9	17
18	24·3	1·5	25·7	2·6	25·2	2·3	25·3	3·2	25·3	2·9	25·1	3·1	25·3	3·3	25·5	3·5	18
19	...	...	25·0	..	24·1	...	24·0	2·2	24·1	..	24·1	...	24·1	...	24·0	2·4	19
20	...	...	24·2	...	24·0	...	23·3	1.6	24·0	...	24·0	...	23·3	..	23·2	1·7	20
21	24·0	1·8	24·2	1·1	23·8	1·2	23·1	1·6	23·5	1·5	23·7	1·9	23·3	2·3	23·1	2·0	21
22	...	...	24·0	...	23·7	...	22·9	1·2	23·4	...	23·9	...	23·0	...	22·9	1·8	22
23	...	...	24·1	...	24·0	...	22·7	0·8	23·5	...	23·9	...	23·0	...	22·6	1·6	23

TABLE X. (*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 1924

Hour. / Day.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	22·3	1·2	23·0	1·1	21·5	2·3	21·8	1·5	21·5	1·5	24·3	0·9	24·1	0.9	23·3	0·4	Midnight
1h	22·3	1·2	23·0	1·1	21·7	2·5	21·2	1·2	21·9	1·8	24·3	0·9	24·3	1·0	23·1	0·3	1h
2	22·1	1·0	22·9	1·6	21·3	2·5	21·1	1·2	22·0	1·2	24·2	0·7	24·5	0·9	23·6	0·6	2
3	22·0	1·0	22·1	1·0	20·5	2·1	21·0	1·1	22·0	1·1	24·1	0·8	24·3	0·6	23·1	0·2	3
4	22·0	1·0	21·9	1·0	19·9	1·5	21·1	1·2	21·9	1·6	24·0	0·8	24·1	0·3	23·1	0·6	4
5	22·0	1·1	21·8	1·1	19·7	1·4	20·3	1·0	21·9	1·1	23·9	0·8	22·3	0·4	23·1	0·6	5
6	22·0	1·2	21·5	1·0	19·3	1·1	21·0	1·0	22·0	0·9	23·9	0·8	22·2	0·2	22·9	0·8	6
7	23·0	2·0	23·1	2·1	21·2	1·9	22·0	1·5	23·1	1.0	24·1	0·6	22·1	0·2	21·6	0·1	7
8	25·1	2·8	25·9	3·6	24·4	3·2	25·0	2·9	25·9	3·4	25·3	1·0	22·2	0·4	21·8	0·5	8
9	27·0	4·8	27·0	4.0	25·7	4.4	25·0	2·9	26·3	3·5	26·9	2·6	23·0	0·6	22·0	0·5	9
10	27·9	4·9	27·1	4·1	26·6	4·4	25·3	3·3	27·8	4·8	27·9	3·7	23·5	0·5	22·2	0·7	10
11	28·2	5·2	27·1	3·6	27·2	5·2	25·9	4·0	28·0	5·1	28·7	3·9	23·3	0·3	22·5	0·7	11
Noon	28·1	4·8	27·9	5·0	27·8	6·0	27·0	4·8	28·9	5·9	28·3	4·1	24·0	0·5	22·9	0·6	Noon
13h	28·3	5·0	27·9	4·9	27·5	5·9	27·1	4·7	28·1	4·7	28·9	4·4	24·9	1·0	23·2	0·3	13h
14	28·0	4·6	26·5	3·6	27·3	5·4	27·2	4·7	28 5	4·7	28·0	4·0	26·0	2·6	24·4	0·8	14
15	27·3	4·2	26·5	3·5	27·3	5.4	27·5	5·0	27·5	4·1	26·3	4·3	25·9	2·3	25·0	1·5	15
16	27·2	4·1	26·5	3·7	27·1	5·1	27·0	4·8	27·1	4·0	26·1	3·3	25·3	2·8	25·0	1·4	16
17	26·5	3·5	25·5	3·2	26·1	4·1	26·0	4·1	26·7	3·4	24·9	2·6	25·2	1·6	24·9	1·1	17
18	25·9	3·0	24·9	2·9	25·0	3.5	24·8	3·5	25·7	2·7	24·2	2·5	22·2	0·5	24·4	1·1	18
19	25·0	2·1	23·7	2·0	23·5	2·4	23·5	2·4	24·9	2·0	24·0	2·0	22·1	0·6	23·8	0·8	19
20	24·0	1·5	23·1	1 8	22·9	1·8	22·9	2·1	24·3	1·4	24·1	1·2	22·3	0·4	23·6	0·6	20
21	24.0	1·7	23·7	2·4	22·3	1·4	21·9	1·9	24·2	1·2	24·2	2·1	22·3	0·4	24·0	1·0	21
22	23·2	1·1	23·0	2·5	22·1	1·2	21·8	1·8	24·2	1·1	24·2	1·8	22·5	0·5	23·9	0·9	22
23	23·1	1·2	22·9	3·1	22·0	1·3	21·5	1·5	24·3	1·2	24·6	2·0	22·9	0·7	23·8	0·8	23

Hour. / Day.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean. Air.	Mean. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·6	0·7	24·1	1·0	24·2	1·1	22·6	0·8	24·1	1·1	24·0	1·0	24·1	1·1	23·2	1·1	Midnight
1h	23.6	0·7	24·0	1·0	24·0	0·9	23·0	1·0	24·1	1·0	23·9	0·9	24·0	1·0	23·3	1·2	1h
2	23·3	0·4	23·9	0·9	24·0	0·9	23·2	0·9	24·0	0·9	23·7	0·8	24·0	1·0	23·2	1·2	2
3	23·5	0·5	23·9	0·8	23·9	0·9	23·6	0·8	23·9	0·8	23·4	0·9	23·9	0·9	23·0	1·0	3
4	23·6	0·6	24·0	0·9	24·0	1·1	23·6	0·7	23·8	0·8	23·3	1·0	24·0	0·9	22·9	1·0	4
5	23·8	0·7	24·1	0·9	23·9	0·9	23·5	0·7	23·7	0·7	23·2	1·0	24·0	0·9	22·9	1·1	5
6	23·7	0·7	24·0	0·9	23·9	0·8	23·8	0·8	23·7	0·6	23·2	1·1	23·9	0·9	22·8	1·0	6
7	24·0	0·9	24·2	0·8	24·2	1·1	23·6	1·2	24·2	0·7	24·0	0·9	23·6	0·4	23·4	1·2	7
8	24·6	0·9	25·9	1·8	25·2	1·3	24·9	1·2	25·5	1·4	25·6	1·6	24·1	0·5	25·1	2·1	8
9	26·1	2·0	26·0	2·1	25·9	1·8	25·2	1·5	26·9	2·7	26·4	2·3	24·0	0·2	26·0	2·8	9
10	26·3	2·3	26·7	2·7	26·3	2·2	25·4	2·2	27·3	2·5	26·0	2·0	25·8	1·5	26·6	3·2	10
11	27·4	3·5	26·4	2.4	26·6	2·5	26·0	2·5	28·1	3·1	26·1	1·9	26·2	2·0	27·1	3·6	11
Noon	27·8	3·7	26·8	2.8	26·6	2·5	27·1	3·2	27·7	2·8	27·4	3·5	26·3	2·2	27·4	3·9	Noon
13h	27·5	3·5	27·5	3.4	26·1	2·0	26·4	2·5	28·1	3·2	27·7	4·0	27·4	3·2	27·6	4·0	13h
14	27·2	3·2	27·1	3.1	26·0	1·9	26·3	2·4	27·9	3·0	27·5	4·1	27·6	3·4	27·5	3·9	14
15	27·1	3·0	26·8	2.7	23·7	1·0	26·5	2·5	27·3	2·3	27·2	4·2	27·2	3·3	27·1	3·7	15
16	27·0	3·1	26·1	2.1	22·8	1·0	25·7	1·8	27·2	2·7	26·9	4·0	26·7	2·9	26·7	3·5	16
17	26·1	2·5	26·0	2.0	22·1	0·4	25·3	1·8	26·3	2 1	26·0	3·0	26·0	2·5	26·1	3·0	17
18	25·2	1·9	25·2	1.3	22·0	0·4	25·0	1·5	25·5	1·5	25·0	2·1	25·2	1·9	25·2	2·5	18
19	24·7	1·5	24·8	1.1	22·8	0·8	24·3	1·3	24·7	1·6	24·1	1·4	24·3	1·2	24·3	1·7	19
20	24·3	1·2	24·6	1.2	22·9	0·9	24·2	1·2	24·4	1·0	24·0	1·3	24·0	1·0	23·9	1·4	20
21	24·1	0·9	24·4	1.3	22·6	0·7	24·4	1·2	24·6	0·8	24·0	1·1	23·8	1·0	23·8	1·4	21
22	24·3	1·1	24·5	1.2	22·6	1·2	24·3	1·2	24·7	0·9	23·9	1·0	23·6	1·0	23·6	1·4	22
23	24 2	0·9	24·4	1 1	22·3	1·1	24·2	1·2	24·3	0·7	23·9	1·0	23·6	1·1	23·5	1·4	23

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

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

MARCH 1924.

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	902	910	890	915	877	923	890	925	892	920	881	947	878	953	Midnight
1h	890	910	894	913	888	931	878	932	900	922	893	916	889	952	872	967	1h
2	887	913	894	913	895	922	887	920	893	917	894	913	900	949	873	966	2
3	885	915	893	915	894	930	890	924	900	920	893	917	890	948	886	970	3
4	891	912	891	913	895	924	893	932	895	923	893	915	890	950	872	967	4
5	893	909	891	912	894	930	900	928	894	929	894	930	891	943	874	963	5
6	892	911	889	917	889	927	890	924	896	921	894	927	882	944	877	956	6
7	894	908	893	916	895	922	890	925	894	914	900	929	892	941	882	943	7
8	891	913	889	926	887	932	893	934	900	925	900	944	890	949	874	962	8
9	900	921	895	926	882	943	900	948	913	934	900	971	889	953	871	969	9
10	910	924	906	931	891	943	900	943	913	932	900	962	865	985	855	967	10
11	925	917	910	925	884	940	907	936	906	931	900	947	886	971	837	994	11
Noon	936	914	923	934	881	946	900	943	915	937	887	962	900	977	842	986	Noon
13h	926	917	926	940	885	938	914	936	909	944	886	967	886	971	862	991	13h
14	918	918	911	929	883	942	923	935	900	946	887	965	886	971	868	977	14
15	920	920	924	936	891	943	911	928	900	946	886	968	874	964	859	998	15
16	915	923	908	937	891	943	914	934	900	941	888	958	871	969	872	967	16
17	912	919	900	944	888	931	911	927	900	941	886	971	875	969	874	962	17
18	908	918	900	933	885	938	900	937	891	943	889	952	874	964	871	943	18
19	903	908	900	915	888	931	904	921	893	915	883	941	868	978	876	958	19
20	904	910	894	930	885	938	900	919	891	921	891	944	871	969	866	951	20
21	904	910	890	923	886	934	900	923	889	927	889	956	877	955	879	952	21
22	904	909	892	920	886	934	895	924	889	929	881	947	877	956	867	950	22
23	906	915	893	916	883	926	891	921	892	919	879	950	875	961	880	948	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	872	967	900	948	882	943	889	928	884	916	882	927	879	932	883	917	Midnight
1h	872	968	889	953	881	947	893	917	882	918	875	925	880	930	881	919	1h
2	881	947	889	956	879	932	893	916	885	915	880	920	882	927	873	918	2
3	875	960	887	932	883	925	892	918	886	914	877	923	879	932	882	927	3
4	879	952	884	940	884	939	881	919	888	912	883	926	881	928	884	924	4
5	885	977	886	934	883	941	882	918	885	915	887	919	884	924	881	919	5
6	886	971	883	941	875	938	883	925	887	913	880	930	882	927	887	920	6
7	888	959	889	927	886	936	900	939	890	924	883	926	878	933	887	919	7
8	887	966	875	960	885	938	891	945	891	946	877	935	876	936	885	937	8
9	900	985	888	961	871	971	881	946	892	937	855	967	880	948	889	955	9
10	885	975	876	958	887	963	890	950	889	955	872	967	879	952	900	951	10
11	900	979	872	968	887	966	876	957	888	959	877	955	882	944	900	947	11
Noon	887	965	878	953	888	961	884	979	900	964	889	954	888	960	900	948	Noon
13h	888	958	871	970	886	972	887	962	881	947	887	962	878	952	893	934	13h
14	874	964	886	970	888	960	881	947	882	945	888	961	872	942	900	966	14
15	871	969	881	947	891	946	881	947	875	959	874	964	872	942	890	948	15
16	875	959	876	958	879	950	878	952	878	954	867	949	876	936	892	939	16
17	876	958	881	946	881	946	879	950	869	946	879	932	875	938	900	947	17
18	879	952	876	936	882	945	882	943	877	935	876	936	876	936	893	934	18
19	880	948	883	925	893	932	891	922	878	933	885	923	881	919	890	925	19
20	888	959	876	936	892	937	888	918	885	924	875	925	876	924	892	920	20
21	900	947	886	936	894	929	881	919	889	929	883	926	877	923	891	922	21
22	900	940	887	932	890	923	885	915	877	923	881	929	884	916	890	923	22
23	900	956	882	944	881	947	889	911	873	927	881	928	882	918	881	928	23

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

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

MARCH 1924.

Hour \ Day.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d. N.	20d. E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.	Hour \ Day.
Midnight	885	923	885	915	883	941	888	919	888	912	882	927	888	931	886	921	Midnight
1h	883	926	885	915	878	922	885	924	890	910	884	916	889	929	887	913	1h
2	887	919	885	915	882	918	889	916	888	912	887	919	890	923	889	916	2
3	888	918	889	911	885	915	887	920	891	909	889	917	885	923	889	911	3
4	882	927	889	911	885	915	891	913	892	908	889	917	923	915	887	913	4
5	883	925	890	908	885	915	888	919	891	909	891	912	885	900	890	923	5
6	887	919	885	910	889	916	885	924	890	910	891	913	881	888	918	908	6
7	890	924	881	912	888	918	890	915	887	913	897	908	882	918	895	924	7
8	890	924	881	919	881	928	889	916	877	935	893	917	867	922	876	924	8
9	890	949	882	927	882	945	900	935	877	955	900	943	869	931	871	929	9
10	892	941	900	936	874	939	900	933	875	937	906	930	900	942	866	934	10
11	907	935	917	941	882	943	900	942	867	949	908	938	895	925	877	934	11
Noon	908	940	908	937	894	930	900	943	876	957	900	938	892	941	886	936	Noon
13h	907	935	908	941	891	945	908	941	880	949	886	934	900	952	881	928	13h
14	900	946	900	952	891	943	900	945	872	942	900	972	910	949	883	941	14
15	900	946	900	940	883	941	892	938	871	943	834	944	906	930	900	945	15
16	900	933	900	939	882	944	875	937	869	946	839	961	900	934	900	929	16
17	900	943	890	951	885	937	875	938	874	940	849	951	863	915	895	924	17
18	900	944	893	933	878	932	885	923	882	927	865	935	866	923	890	924	18
19	892	919	893	916	885	915	888	912	892	919	870	946	869	931	888	919	19
20	892	918	894	915	890	910	894	904	885	924	882	945	900	932	886	922	20
21	892	918	890	915	887	913	889	908	877	923	881	947	876	924	890	924	21
22	892	911	885	924	888	918	892	906	880	920	884	939	877	923	886	934	22
23	889	911	882	918	885	915	890	908	877	923	883	942	882	927	887	934	23

Hour \ Day.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	31d. N.	31d. E.	Mean. N.	Mean. E	Hour \ Day.
Midnight	889	928	882	927	884	940	887	913	887	919	889	927	879	932	886	928	Midnight
1h	888	930	883	926	882	927	880	920	894	915	891	922	879	921	885	927	1h
2	889	928	884	924	886	934	880	920	896	920	887	919	886	922	887	924	2
3	884	924	883	925	877	934	870	930	892	920	890	915	887	919	886	925	3
4	882	918	884	940	885	937	885	938	887	919	885	923	891	921	888	926	4
5	883	926	889	927	888	930	883	926	882	918	885	915	881	919	887	925	5
6	886	934	889	927	878	932	891	921	889	917	883	925	881	919	887	924	6
7	889	926	879	031	889	928	880	920	882	927	885	923	885	923	888	925	7
8	887	933	880	948	887	934	887	934	886	935	882	927	885	938	885	935	8
9	873	941	878	954	892	940	900	941	900	941	882	943	877	934	886	947	9
10	886	969	875	960	889	953	883	941	900	945	891	946	891	944	889	949	10
11	876	957	887	962	891	943	889	954	879	951	900	951	888	959	890	949	11
Noon	887	962	889	953	890	950	887	962	900	944	882	945	886	971	893	951	Noon
13h	887	962	879	951	885	938	882	944	900	956	883	943	881	947	891	949	13h
14	888	958	874	962	915	915	882	943	891	943	869	946	888	959	891	950	14
15	890	949	866	952	925	910	882	945	904	943	872	941	881	947	887	946	15
16	879	952	882	945	904	918	883	942	900	943	867	949	880	949	885	945	16
17	879	951	874	939	894	915	888	931	893	932	870	946	877	956	884	941	17
18	884	924	874	940	890	915	894	927	886	935	886	921	883	942	884	935	18
19	871	929	882	927	887	919	893	916	885	924	882	918	877	934	885	927	19
20	884	939	875	937	889	928	893	916	882	918	881	919	883	926	887	928	20
21	889	929	881	947	886	914	892	920	883	917	878	922	886	922	887	928	21
22	882	927	883	943	885	937	891	922	883	943	880	920	885	915	886	927	22
23	880	920	884	939	891	913	893	917	888	930	882	927	884	916	885	928	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during MARCH 1924.

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 1924.

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

Hour.	17d. Dir.	17d. Vel.	18d. Dir.	18d. Vel.	19d. Dir.	19d. Vel.	20d. Dir.	20d. Vel.	21d. Dir.	21d. Vel.	22d. Dir.	22d. Vel.	23d. * Dir.	23d. * Vel.	24d. * Dir.	24d. * Vel.	25d. Dir.	25d. Vel.	26d. Dir.	26d. Vel.	27d. * Dir.	27d. * Vel.	28d. Dir.	28d. Vel.	29d. Dir.	29d. Vel.	30d. Dir.	30d. Vel.	31d. Dir.	31d. Vel.	Mean Velocity
Midnight	5	2·7	4	2·1	6	4·4	5	2·2	4	1·7	5	3·2	6	3·3	5	2·5	6	3·0	5	3·2	6	4·3	4	1·8	5	2·3	6	2·9	5	38	3·2
1h	5	3·1	4	2·2	4	3·1	5	2·8	4	1·4	4	2·3	6	3·1	4	1·8	6	3·2	5	3·1	5	3·2	4	2·8	6	1·6	6	2·4	4	30	3·2
2	5	2·3	4	2·1	4	2·5	5	1·9	4	1·7	5	2·3	6	2·5	5	1·9	6	3·0	5	2·9	6	3·7	4	2·8	7	2·0	5	2·3	5	26	2·8
3	5	2·1	4	1·5	4	2·1	5	2·4	4	1·3	5	2·0	5	2·7	4	1·6	5	2·9	5	3·0	5	4·1	4	4·3	6	2·2	5	1·8	5	23	2·9
4	5	3·3	4	1·6	4	2·1	5	1·6	4	1·2	5	2·0	d 13	2·7	4	1·8	4	2·6	6	4·3	6	4·0	6	4·1	5	2·3	5	2·7	6	23	3·0
5	5	3·0	3	1·3	4	2·1	5	2·2	4	1·3	5	1·5	r 0	1·5	6	2·5	5	3·1	0	2·9	6	3·2	5	3·1	4	2·6	4	2·2	4	27	2·9
6	5	2·3	3	1·8	5	1·9	5	2·8	4	1·4	5	1·6	29	2·2	d 14	2·0	6	3·7	6	2·9	5	3·9	6	2·3	5	2·0	5	3·0	4	27	3·0
7	6	2·6	3	2·2	5	2·1	5	1·8	4	1·9	6	0·9	d 4	2·5	7	2·5	6	2·8	5	3·7	6	3·0	4	2·9	5	3·3	5	2·7	5	27	2·8
8	6	2·6	4	2·7	5	3·4	5	1·9	5	4·2	6	1·9	3	4·0	4	3·4	6	2·5	6	5·2	6	3·6	6	3·6	6	3·8	5	3·3	6	41	3·9
9	7	5·0	5	3·2	6	4·9	8	3·5	6	6·0	8	4·3	4	4·4	4	4·1	5	4·9	6	5·9	7	4·1	8	4·1	8	4·1	6	4·7	5	41	5·0
10	7	4·2	8	3·6	5	4·7	8	3·3	5	4·5	9	3·1	8	4·2	4	4·9	7	7·0	6	6·5	7	5·4	6	4·4	8	4·5	7	4·7	7	45	5·2
11	9	3·6	10	4·4	6	4·7	8	4·2	5	5·9	9	3·9	7	2·6	5	4·1	6	6·2	7	6·3	7	4·4	7	5·5	6	5·5	8	5·1	7	60	5·2
Noon	9	4·1	9	3·8	7	3·1	8	4·3	6	6·2	8	3·8	7	4·2	6	3·9	7	6·3	7	5·4	7	5·1	7	6·3	8	4·4	6	4·9	7	72	5·4
13h	9	3·6	9	4·2	7	4·6	9	4·2	6	5·3	6	3·7	8	5·2	5	3·4	7	6·3	6	5·5	6	4·1	6	4·8	8	5·6	6	4·6	6	51	5·2
14	8	4·6	8	5·2	7	4·4	8	4·5	5	5·1	8	7·2	9	5·0	6	4·4	7	5·9	6	6·7	d 12	2·2	6	4·7	7	4·4	5	5·6	7	60	5·3
15	8	4·6	8	4·0	6	4·4	7	3·9	5	5·2	3	7·9	9	3·1	8	4·5	7	5·0	5	6·2	14	2·7	6	4·9	9	4·4	5	5·0	6	51	5·2
16	8	3·3	8	3·9	6	4·8	5	4·5	5	5·6	4	8·7	8	3·4	8	2·9	6	5·6	6	4·9	r 9	1·8	6	4·5	8	4·3	5	5·9	6	53	4·9
17	8	4·3	7	5·2	6	4·0	5	4·6	5	4·8	4	7·2	2	4·0	7	2·5	6	5·5	5	4·7	6	1·6	6	3·3	7	3·3	5	5·5	6	61	4·6
18	8	4·4	7	3·4	5	3·9	5	2·7	5	3·2	4	5·0	3	4·1	6	2·6	5	2·9	5	4·8	5	1·8	7	2·8	6	3·8	5	2·5	6	45	4·0
19	6	2·1	6	1·8	4	2·1	4	1·7	6	2·1	5	5·5	4	4·4	5	2·2	4	4·1	5	3·2	5	2·3	6	1·8	5	2·8	4	2·5	5	41	3·1
20	6	2·0	6	1·6	4	1·4	3	0·7	5	2·8	6	4·9	8	3·2	5	2·6	6	4·2	5	4·5	6	3·0	6	1·8	4	2·5	4	2·7	5	31	3·2
21	6	2·0	5	1·8	4	1·9	3	1·4	4	3·3	6	5·1	4	3·4	6	2·6	6	3·1	6	5·1	4	2·0	6	2·2	4	2·4	4	3·2	5	26	3·2
22	5	1·4	5	2·8	5	2·1	3	1·0	4	2·9	6	4·2	4	3·3	6	3·7	5	3·3	6	4·6	6	4·0	6	2·4	6	4·6	4	2·8	4	21	3·2
23	4	1·6	4	2·6	4	2·1	3	1·3	4	3·3	6	4·5	5	3·2	6	3·6	4	2·9	6	4·2	5	1·6	6	1·9	6	3·2	5	3·2	4	23	3·2

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MARCH 1924.

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of MARCH 1924.

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	9.43	239·5	201·2	7
	3	Belmont	50	10.19	258·8	184·4	6
	4	Poudre d'Or	20	10 66	270·8	168·9	6
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	10.01	254·3	223·8	8
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	16·05	408.3	258·3	10
	9	Beau Séjour	300	8·61	218·7	312.4	18
	10	Mont Piton	860	10·49	266·4	295·9	15
	11	Mon Choix	700	10·64	270·3	272·5	11
	12	Antoinette	640	14·78	37 ·4	275·6	14
	13	California	850	4·36	110·7	316·5	11
	14	Nouvelle Découverte ...	1,400	20·08	510.0	375·4	17
	15	Mon Songe	620	10·78	273·8	341·9	10
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	10·97	278·6	252·7	16
	19	The Observatory ...	179	10·89	272·3	236·0	13
	20	Solitude§	175	...	...	...	...
	21	St. André	90	8·87	225.3	208·8	8
	22	Belle Vue Harel* ...	350	10·29	261·4	...	11
	23	Mont Choisy*	10	7·55	191·8	...	7
	25	Esperance (Trébuchet)*	165	9·79	248·7	...	11
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	9·94	248·5	...	5
	49	Poudre d'Or Station§ ...	172	...	...	...	...
	50	Rivière du Rempart* ...	134	23·04	594·3	...	5
2 & 3	1	Union Régnard S.E. ...	600	14·04	356·6	319·5	16
	2	Constance d'Arifat L.G.	100	12.36	313·9	305·3	14
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	...	...	...	...
	9	Belle Vue (Allendy)* ...	...	14·82	376.4	...	15
	10	St. Julien E(K. Reetoo)*	...	3·94	100·1	...	10
4	1	Sans Souci	900	24·63	625.6	526·0	23
	2	Etoile	400	16·70	424·1	405·6	9
	3	Beau Champ	20	15·03	381·8	231·9	10
	4	Belle Rive*	400	19·74	5 1·4	..	18
	5	Olivia	400	23·88	606·5	310·9	14
	6	Deep Rivers§	350	...	...	...	...
	7	Belle Rose Estate* ...	...	14·28	262·7	...	17
	8	Melrose§	...	..	...	...	...
	9	Bonne Veine*	...	24·89	632·2	...	21
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	39·05	1003·2	247·6	11
	5	Union Vale	200	18·50	469·9	357·4	13
5 cont.	5	Mon Désert (Carié)* ...	75	13·90	353·0	...	16
	6	Cluny§	1,000	...	...	...	...
	7	Union Park§	...	...	...	...	...
	8	Sauveterre Estate§ ...	...	...	...	...	...
	9	Bananes Estate§ ...	...	...	...	...	...
	10	Kanaka§	2,000	...	...	...	...
6	1	Tivoli*	1,300	42·44	1078·0	...	17
	2	La Flora*	1,050	33·18	842·7	...	22
	3	Britannia	730	21·90	556·2	421·6	21
	4	Savannah (Mill) ...	200	19·03	483·4	364·0	14
	5	St. Aubin	300	15·20	386·0	274·1	23
	6	Union B.A.St.Félix S.E.§	90	...	...	...	...
	7	Beau Bois	350	22·72	577·1	395·5	19
	8	St. Avold*	900	26·55	674·4	...	22
	9	Terracine§	100	...	...	...	...
	10	St. Félix S.E.§	...	...	...	...	...
	11	Bel Air*	..	19·08	484·6	-	13
	12	Chamouny§	...	...	...	...	...
	13	Union S. E.*	...	17·23	437·6	..	17
	14	Fontenelle*	...	17·33	440·2	...	15
	15	Combo§	...	...	...	...	...
	16	St. Felix (Wilson)* ...	...	20·01	508·2	...	14
	17	Choisy Estate§	...	...	...	...	...
	18	Bel Ombre	40	11·29	286·8	244·1	12
7, 8 & 9	1	Beau Champ*	...	11·17	283·7	...	12
	3	Board*	...	14·61	371·1	...	9
	4	Tamarin Station§ ...	155	...	...	...	...
	12	Médine Station§ ...	284	...	...	...	...
	13	Albion Station§ ...	72	...	...	...	...
	14	No returns.	...	...	...	...	...
	...						
10	1	Les Gorges§	...	...	...	...	...
11	2	Curepipe Gardens ...	1,840	25·46	666·7	452·6	30
	3	Mare aux Vacoas ...	1,850	27·39	695·7	515·6	25
	4	La Marie Filter Bed§ ...	1,700	...	...	...	...
	5	Réunion§	1,420	...	...	...	...
12	1	The Manse	850	5·72	145·3	232·2	18
	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	18·96	481·6	...	17
	7	Trianon	950	9·46	238·3	292·8	17
	8	Salency§	923	...	...	...	..
	9	La Ferme*	350	29·9	759·4	...	10
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory§	1,100	...	...	...	...
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	16·15	410·2	...	12
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock ...	18	8·78	223·0	179·6	4

* Normals not available § Record not Received

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NEW SERIES (MONTHLY). VOL. X. 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 1924

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of APRIL 1924

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)
	° ′			′		
APRIL 1	10·57·1	...	·29955	3·5	...	18
2	57·1	...	55	3·2	...	18
3	57·1	...	53	6·3	...	23
4	56.9	·22959	57	4·0	36	11
5	56.8	63	57	4·7	36	12
6	56·8	61	54	5·6	48	16
7	56·8	57	53	7·0	50	20
8	57·1	46	58	4·7	32	12
9	57·6	52	54	6.0	23	20
10	57·8	47	53	5·1	17	18
11	58·4	51	...	5·3	31	...
12	58.5	53	...	4·2	36	...
13	58·5	53	51	5·1	19	18
14	58·7	58	50	6·6	29	18
15	58·8	50	...	4·5	31	9
16	59·3	48	53	5·7	28	...
17	59·1	51	52	5·2	44	17
18	59·3	52	52	3·3	32	10
19	59·3	51	52	3·5	27	15
20	59·2	50	51	4·4	29	17
21	59·1	48	48	5·2	19	23
22	59·2	45	48	6·7	14	22
23	59·4	44	52	5·8	19	11
24	59·2	48	50	5·3	25	14
25	59.8	...	51	6·5	...	10
26	58·9	...	56	6·6	...	19
27	59·1	27	59	4·1	40	13
28	58·8	20	55	3·7	35	11
29	59·2	23	54	4·9	40	11
30	58·2	46	53	4·6	49	9
31	...	...	...		...	...
Mean	10·58·37	·22948	·29953	5·04	31·6	15·7

T=0·37733 : Mean Dip.=θ=52°.32′·61 (X=·22528 : Y=−·04369 : Z=·29953).

List of Magnetic disturbances.

The following notes give a brief description of abnormal magnetic movements. 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, +=an increase and −=a decrease of the Magnetic Element ; ± denotes positive and negative movements of approximately equal extent.

APRIL 1924.

6d 12h¼ Sudden increase in H. F. (+18 γ) followed by slow decrease and small fluctuations.

7d 13h½ Small positive wave in H. F. 23h to 8d 1½h oscillations in H. F.

12d 2h½ Sudden increase in H. F. (+13 γ).

25d 4h½ Wave in H. F. (+15 γ).

26d From 13h to 20h considerable decrease in H. F. with only partial recovery (register defective).

30d 1h¾ Sharp increase in H. F. (+19 γ).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of APRIL 1924.

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Horizontal Force (C.G.S. Unit) Observed Value.	Dip (South). A. M. Observations. Day and Hour.	A. M. Observations. Observed Value.	Resulting Vertical Force. C. G. S. Units.	P. M. Observations. Day and Hour.	P. M. Observations. Observed Value.	Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
APRIL 1·9·29	10·59·19	APR. 11· 9·14	·22977	APR. 1·10·20	52.32·85	...	APRIL ...	...	...
3· 9·22	10·60·89	11·13·27	·22992	7·10·05	52·31·36	·29963	7·13·20	52·28·90	·29935
13·48	10·53·50	16· 9·02	·22950	11.10.13	52.31.44	·29957	11·13·12	52·31·37	·29947
9· 9·01	11·01·57	16·13·11	·22969	16·11·18	52·31·23	·29943	...	...	...
13·18	10·55·52	25·10·07	·22976	25·10·32	52·31·21	·29963	25·13·52	52·30·18	·29941
14.11·19	11·00·64	25·13·10	·22970	30· 9·42	52·32·56	·29970	30·13·29	52·29·46	·29910
.13·47	10·55·93	30· 8·54	.22963						
22.11.20	10·59·47	30·12·03	·22960						
13·42	10·55·85								
30·13·40	10·55·68								

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

APRIL 1924.

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

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

APRIL 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	...	...	...	041	056	057	054	029	043	038	047	042	043	050	056	045	Midnight
1h	...	...	...	042	058	058	052	028	046	040	048	043	043	050	053	044	1h
2	...	...	...	050	059	059	054	030	048	039	048	047	042	051	054	044	2
3	...	...	...	056	060	060	054	036	049	042	047	049	053	051	056	041	3
4	...	...	...	059	061	064	057	042	049	045	047	050	055	052	057	042	4
5	...	...	...	059	060	064	060	044	050	049	049	051	053	052	055	050	5
6	...	...	...	057	061	065	063	046	051	049	049	052	054	054	050	047	6
7	...	...	...	063	065	071	071	053	056	050	055	054	057	057	042	046	7
8	...	...	...	074	074	073	073	056	055	053	067	057	060	060	043	049	8
9	...	...	077	077	082	072	072	058	054	052	071	063	061	064	052	049	9
10	...	...	074	075	081	069	072	060	053	050	068	063	058	065	061	049	10
11	...	...	068	069	083	069	069	057	059	052	067	070	055	073	068	059	11
Noon	...	...	069	074	086	067	074	053	062	046	064	078	057	079	070	069	Noon
13h	...	...	073	077	082	086	073	050	063	050	061	075	058	077	060	067	13h
14	...	..	067	070	071	080	080	047	059	055	059	064	057	070	055	057	14
15	...	...	062	060	059	069	064	043	058	051	051	051	054	061	044	047	15
16	...	..	056	052	050	048	058	042	058	050	047	047	053	055	039	042	16
17	...	...	059	049	052	056	051	046	055	045	046	046	050	052	041	043	17
18	...	...	059	051	053	052	043	046	052	044	043	046	050	052	043	041	18
19	...	...	058	051	054	051	037	047	051	046	041	046	050	051	042	042	19
20	...	...	053	050	054	046	042	046	049	046	040	047	050	052	041	043	20
21	...	...	048	049	053	038	038	046	046	046	040	046	050	053	044	043	21
22	...	...	047	050	052	039	032	045	040	045	042	045	050	055	044	041	22
23	...	...	051	052	051	048	030	044	041	046	041	043	049	053	044	042	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	045	041	047	046	045	042	045	038	051	...	018	014	020	015	...	040·7	Midnight
1h	047	051	049	044	047	044	047	039	053	...	019	016	018	017	...	041·7	1h
2	046	049	054	045	045	048	047	040	057	...	023	016	019	032	...	043·6	2
3	046	051	053	046	046	052	049	040	061	...	025	018	022	028	...	045·2	3
4	047	050	052	049	046	053	049	046	061	...	027	020	023	029	...	046·8	4
5	050	049	048	049	046	053	050	044	074	...	031	024	025	035	...	048·0	5
6	051	050	050	049	047	051	050	045	067	...	034	022	024	040	...	048·4	6
7	058	052	057	050	044	049	048	049	065	...	041	023	029	048	...	051·5	7
8	064	059	060	054	047	048	050	049	064	...	046	029	029	053	...	055·3	8
9	069	068	067	063	049	049	053	051	073	...	048	029	034	060	...	058·7	9
10	073	072	067	067	050	042	050	052	075	...	045	033	039	064	...	059·1	10
11	081	073	063	069	058	042	050	060	...	071	044	036	039	063	...	061·1	11
Noon	079	070	062	068	063	046	047	063	...	057	042	038	047	063	...	062·7	Noon
13h	067	054	060	058	052	050	053	057	...	050	040	029	030	061	...	059·6	13h
14	051	049	056	053	049	047	041	053	...	+038	024	022	028	055	...	054·1	14
15	038	047	051	051	051	043	034	042	...	...	019	014	017	047	...	046·6	15
16	037	044	046	046	050	040	036	041	...	...	018	003	008	044	...	042·2	16
17	038	045	042	046	049	039	037	042	...	—027	019	004	007	049	...	042·0	17
18	040	047	041	044	048	041	038	046	...	—026	020	010	013	050	...	042·2	18
19	040	044	041	044	048	044	038	046	...	—026	014	011	014	049	...	041·7	19
20	041	045	041	043	048	040	036	047	...	—029	008	009	013	048	...	041·0	20
21	042	043	040	040	046	041	035	048	...	—002	009	016	019	047	...	040·7	21
22	043	044	043	040	045	041	034	050	...	+013	014	015	014	050	...	040·5	22
23	039	047	042	046	044	041	038	048	...	017	013	014	013	048	...	040·7	23

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

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

APRIL 1924.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	058	056	057	057	058	056	057	060	058	058	055	...	055	053	052	...	Midnight
1h	058	057	056	058	057	056	056	058	057	059	055	...	055	053	052	...	1h
2	057	056	056	057	056	056	056	057	056	057	054	...	055	053	052	...	2
3	058	057	056	056	056	056	055	057	056	056	054	...	054	053	052	...	3
4	059	057	056	056	056	056	054	056	055	056	054	...	054	053	053	...	4
5	059	057	057	057	056	056	054	055	055	055	054	...	054	053	053	...	5
6	060	057	057	057	056	056	054	055	055	055	054	...	054	053	053	...	6
7	059	058	058	058	057	056	053	055	056	055	053	...	054	052	053	...	7
8	059	059	058	060	062	058	056	061	059	056	054	...	056	055	054	...	8
9	059	060	055	061	062	057	060	064	062	054	056	...	057	057	054	...	9
10	057	056	053	060	060	053	060	065	062	052	...	...	055	055	052	053	10
11	054	049	045	055	053	052	055	061	053	050	...	...	051	045	048	044	11
Noon	049	046	037	052	050	047	050	054	043	043	...	...	042	039	047	035	Noon
13h	042	042	036	050	050	043	043	053	042	041	...	...	040	039	050	036	13h
14	043	045	039	050	053	044	040	054	042	043	...	...	039	042	051	040	14
15	046	050	045	052	056	044	041	055	046	049	...	...	040	043	052	042	15
16	050	055	052	054	060	050	044	056	050	051	...	...	045	046	055	044	16
17	052	056	054	056	060	052	052	057	054	054	...	...	050	050	056	050	17
18	054	057	055	057	060	054	054	058	055	054	...	...	052	051	056	052	18
19	056	058	057	057	059	055	056	058	055	055	...	...	053	052	055	052	19
20	058	057	057	058	059	056	057	058	056	055	...	...	053	052	054	053	20
21	057	057	058	059	059	057	057	059	056	055	...	...	053	052	054	052	21
22	057	059	059	061	059	059	057	059	056	055	...	...	053	052	054	052	22
23	056	058	059	060	057	059	059	059	057	055	...	...	053	052	054	052	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	052	052	052	052	054	052	053	054	052	055	061	058	054	054	...	055·2	Midnight
1h	052	052	052	052	053	052	053	053	052	055	061	057	055	054	...	055·0	1h
2	052	052	052	052	052	051	052	053	052	054	061	057	055	054	...	054·6	2
3	052	051	051	052	052	050	052	053	052	053	060	057	055	054	...	054·3	3
4	052	051	052	052	052	050	051	052	051	052	060	056	055	055	...	054·1	4
5	053	052	052	052	053	050	051	052	051	052	060	056	055	056	...	054·3	5
6	053	053	052	053	053	050	051	052	051	052	059	055	055	055	...	054·3	6
7	052	054	052	053	054	052	053	051	052	051	058	054	054	053	...	054·4	7
8	055	056	054	056	055	054	055	053	056	054	062	058	059	055	...	056·8	8
9	000	057	060	060	055	052	056	055	061	056	065	060	059	059	...	058·4	9
10	055	054	060	056	052	050	054	054	058	053	063	060	058	059	...	056·5	10
11	050	052	054	050	045	043	047	048	050	049	056	054	053	059	...	051·1	11
Noon	043	048	050	043	033	031	045	042	043	046	052	049	049	050	...	045·3	Noon
13h	043	047	049	044	032	030	046	043	043	049	056	053	050	050	...	044·7	13h
14	050	049	048	045	033	034	050	043	044	055	059	053	048	052	...	046·2	14
15	050	050	045	043	035	037	048	041	044	057	060	052	048	053	...	047·5	15
16	053	050	046	046	038	044	049	046	046	060	059	052	050	054	...	050·4	16
17	053	052	050	050	045	050	050	050	051	062	059	054	053	056	...	053·3	17
18	054	053	052	052	049	051	052	052	052	065	059	057	056	057	...	054·7	18
19	054	053	052	044	052	052	053	052	052	064	060	056	055	057	...	054·9	19
20	054	053	053	055	052	053	054	052	052	065	060	056	055	057	...	055·6	20
21	054	053	053	055	053	054	055	052	053	064	059	056	054	056	...	055·7	21
22	053	053	053	055	053	054	056	052	053	061	058	056	054	056	...	055·8	22
23	053	052	053	055	053	055	055	052	054	061	057	055	055	055	...	055·7	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1924.

Month and Day 1924.	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.)
	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
APR. 1	1004·8	— 1·7	27·9	22·3	5·6	24·6	— 0·2	2·0	21·2	+ 0·2	81	+ 1	24·9	19·9	0·2	5	5·0	4·0
2	1005·2	— 1·4	27·9	22·1	5·8	24·9	+ 0·1	2·2	21·2	+ 0·3	80	0	24·9	19·4	0·0	...	4·8	4·3
3	1005·9	— 0·8	28·5	23·1	5·4	25·1	+ 0·3	2·2	21·4	+ 0·5	80	0	25·2	20·7	0·0	...	5·5	3·8
4	1006·9	+ 0·2	27·5	22·5	5·0	24·4	— 0·3	2.0	21·0	+ 0·2	81	+ 1	24·6	20·1	0·0	...	5·0	4·7
5	1006·0	— 0·8	27·6	22·9	4·7	24·8	+ 0·1	2·2	21·1	+ 0·3	80	0	24·8	20·6	0·0	...	4·9	4·5
6	1003·8	— 3·1	28·3	23·0	5·3	25·2	+ 0·6	1·9	22·0	+ 1·3	83	+ 3	26·2	20·1	1·3	20	3·5	5·4
7	1012·8	— 4·1	29·4	21·1	8·3	24·9	+ 0·3	2·1	21·3	+ 0·6	81	+ 1	25·1	18·0	1·1	15	4·3	3·4
8	1003·4	— 3·6	29·1	22·0	7·1	25·0	+ 0·5	2·2	21·3	+ 0·7	80	0	25·1	18·9	0·0	...	5·5	3·3
9	1003·8	— 3·3	27·7	20·8	6·9	24·0	— 0·5	1·7	21·1	+ 0·5	84	+ 4	24·8	16·4	1·6	15	2·6	4·5
10	1004·5	— 2·7	30·4	19·4	11·0	24·6	+ 0·2	2·8	19·8	— 0·7	75	— 5	22.9	14·6	0·0	...	5·6	2·8
11	1004·9	— 2·3	29·8	19·7	10·1	24·4	0·0	2·4	20·3	— 0·1	78	— 2	23·6	15·5	0·0	...	4·5	3·7
12	1005·0	— 2·3	28·3	23·3	5·0	25·4	+ 1·1	2·9	20·5	+ 0·1	75	— 5	43·9	19·7	0·0	...	4·6	6·5
13	1004·9	— 2·5	28·5	22·5	6·0	25·3	+ 1·0	2·6	20·9	+ 0·6	77	— 3	24·5	18·9	0·0	...	4·0	5·4
14	1004·7	— 2·7	28·6	24·1	4·5	25·8	+ 1·6	1·8	22·8	+ 2·5	84	+ 5	27·5	22·3	0·9	25	3·1	7·4
15	1004·3	— 2·2	27·6	24·3	3·3	25·5	+ 1·3	1·5	22·9	+ 2·7	86	+ 7	27·6	22·2	18·9	250	3·0	7·8
16	1003·3	— 4·3	25·9	22·9	3·0	24·6	+ 0·5	1·4	22·2	+ 2·0	87	+ 8	26·5	21·6	9·6	75	2·6	9·7
17	1004·8	— 2·9	27·9	24·0	3·9	25·2	+ 1·1	1·4	22·8	+ 2·7	87	+ 8	27·5	22·7	0·0	...	1·0	8·8
18	1007·4	— 0·3	27·1	23·0	4·1	24·6	+ 0·6	1·8	21·5	+ 1·4	83	+ 4	25·4	20·2	2·9	65	6·4	6·9
19	1006·2	— 1·6	27·3	22·3	5·0	24·8	+ 0·9	1·7	21·9	+ 1·9	84	+ 5	26·0	20·0	5·0	70	2·5	8·3
20	1004·0	— 3·9	26·9	23·4	3·5	24·8	+ 0·9	1·4	22·4	+ 2·4	86	+ 7	26·8	23·0	5·5	55	3·5	9·8
21	1001·2	— 6·7	26·5	21·9	4·6	24·0	+ 0·2	0·7	22·8	+ 2·9	93	+ 14	27·5	20·9	28·1	315	4·4	10.0
22	1000·4	— 7·6	27·0	22·2	4·8	24·3	+ 0·5	2·1	20·7	+ 0·8	80	+ 1	24·2	18·7	3·7	80	3·3	6·8
23	1006·5	— 1·6	25·1	21·2	3·9	22·2	— 1·5	3·8	15·5	— 4·3	66	— 13	17·4	13·7	0·0	...	4·3	5·0
24	1008·9	+ 0·8	25·1	16·8	8·3	20·7	— 3·0	3·4	14.7	— 5·1	69	— 10	16·6	11·5	0·0	...	5·3	2·8
25	1008·9	+ 0·7	25·1	16·0	9·1	20·8	— 2·8	2·9	15·7	— 4·0	73	— 6	17·7	11·8	0·0	...	5·0	3·8
26	1009·2	+ 0·9	25·6	17·9	7·7	21·8	— 1·8	3·4	15·8	— 3·8	69	— 10	17·8	12·2	0·0	...	5·7	4·2
27	1008·2	— 0·1	25·9	16·9	9·0	21·5	— 2·0	2·5	17·1	— 2·5	76	— 3	19·3	12·4	0·0	...	4·7	3·5
28	1007·3	— 1·1	27·0	20·8	6·2	23·4	0·0	2·9	18·4	— 1·1	74	— 5	21·0	16·0	0·0	...	5·7	3·9
29	1007·2	— 1·3	26·0	19·0	7·0	22·5	— 0·9	3·0	17·2	— 2·2	72	— 7	19·4	13·5	0·0	...	4·5	3·6
30	1007·6	— 1·0	26·3	20·9	5·4	23·2	— 0·1	3·3	17·5	— 1·8	71	— 8	19·8	17·7	0·0	...	3·6	5·9
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1005·4	— 2·1	27·4	21·4	6·0	24·1	0·0	2·3	20·2	0·0	79·2	— 0·2	23.6	18·1	78·8	990	4·3	5·5
Aver.	1007·5	...	27·7	21·1	6·6	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 1924.

Under the influence of distant depressions which formed during the month the several elements were widely variable. From the first days a positive wave was observed in pressure, followed by an accentuated drop on the 7th, due to the passage of a distant depression Eastwards.

From this date, to the 16th of the month pressure kept low; Temperature and Relative Humidity however were not influenced and kept normal during the first part of the month.

From the 12th a steady excess in Temperature and Relative Humidity was recorded and from the 19th, pressure again fell during the passage of a Southern Extra Tropical depression but recovered rapidly from the 22nd.

A sharp fall of Temperature and Relative Humidity then prevailed to the end of the month, coincident with the increased Southerly Component of the wind.

Thunder and Lightning were also frequently observed on the 14th, 17th and 22nd.

Wind Velocity was variable but no marked excess recorded.

Rainfall was 31% below normal at the Observatory, the greater part falling from the 15th to the 22nd.

The percentage variation above or below normal for the several districts was as follows:

Northern Districts	River System 1,	49 %	below
Eastern Districts	,, ,, 2, 3, 4,	19 %	,,
South-Eastern Districts	,, ,, 5 & 6	4 %	above
Western Districts	River System 11	7%	below
	,, ,, 12	13%	,,
	,, ,, 13	36%	,,

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of APRIL 1924

Month and Day 1924.	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	inches	Weather
APR.	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	9·9	83	− 1·7	+ 2·6	57	3·1	3·2	− 0·1	25·4	26·8	26·8	27·2	...	26·7	26·8	f. : e. : f.
2	10·5	89	− 2·1	+ 2·9	54	3·6	3·6	+ 0·3	25·4	26·8	26·9	27·4	...	26·8	26·8	e. f.
3	9·8	83	− 2·2	+ 3·0	54	3·7	3·7	+ 0·4	25·4	26·8	27·0	27·4	...	27·0	27·3	e.f. f.
4	8·6	73	− 1·5	+ 3·7	68	4·0	4·0	+ 0·7	25·4	26·8	27·0	27·6	...	26·9	26·7	e. f.
5	9·4	80	− 1·7	+ 3·9	66	4·2	4·3	+ 1·0	25·4	26·8	27·1	27·6	...	26·7	26·9	f. : e : f.
6	6·6	56	− 1·3	+ 1·9	56	2·3	2·5	− 0·8	25·4	26·8	27·1	27·6	...	26·9	26·8	f. : e. p : e. :
7	7·7	66	− 1·1	+ 1·0	42	1·5	2·0	− 1·3	25·7	26·7	27·2	27·8	...	27·1	27·0	f. : e. : f.
8	10·0	86	− 0·2	+ 1·7	83	1·7	2·0	− 1·3	25·7	26·7	27·2	27·7	...	27·2	27·1	f. : e. f. f.
9	2·6	22	− 0·8	+ 0·9	48	1·2	1·6	− 1·7	25·7	26·7	27·2	27·7	...	26·9	26·6	f : e. p. : f.
10	8·8	75	− 1·0	+ 0·4	22	1·0	1·9	− 1·4	25·7	26·7	27·3	27·3	...	26·5	26·4	f.
11	7·6	65	− 1·2	+ 0·2	9	1·2	1·8	− 1·5	25·7	26·7	27·2	27·4	...	26·7	26·7	f. e.f. f.
12	6·2	53	− 3·4	+ 1·6	25	3·7	3·8	+ 0·5	25·7	26·7	27·2	27·5	...	26·9	27·0	e. : f.
13	8·6	74	− 2·8	+ 3·0	47	4·1	4·1	+ 0·8	25·7	26·7	27·2	27·6	...	27·0	27·0	f. : e.
14	8·2	71	− 2·5	+ 4·1	59	4·8	4·9	+ 1·6	25·7	26·7	27·2	27·8	...	27·0	27·0	o. : o.g.r l.t.
15	7·3	63	− 0·4	+ 4·8	85	4·8	4·9	+ 1·6	25·7	26·7	27·2	27·8	...	27·0	26·8	l. t. o. g. r.
16	0·0	0	− 0·3	+ 3·8	85	3·8	3·9	+ 0·6	25·7	26·7	27·2	27·7	...	26·5	26·2	o. g. r : o.
17	1·2	10	− 0·6	+ 2·8	78	2·9	2·9	− 0·4	25·7	26·7	27·2	27·4	...	26·3	26·2	o. g. l.t.
18	9·1	79	− 1·8	+ 3·7	64	4·1	4·2	+ 0·9	25·7	26·7	27·2	27·2	...	26·4	26·2	og r. lt. : e.
19	6·0	52	− 2·1	+ 4·5	65	4·9	5·2	+ 1·9	25·7	26·6	27·2	27·5	...	26·2	26·0	o. q r.
20	0·3	3	+ 0·3	+ 3·1	95	3·1	3·2	− 0·1	25·7	26·7	27·2	27·5	...	26·4	26·2	o. r. : o.
21	0·1	1	+ 1·1	+ 1·8	121	2·1	2·4	− 0·9	25·7	26·6	27·1	27·2	...	26·0	25·7	o.g. r. : o. r.
22	5·6	49	− 2·8	+ 0·4	8	2·8	3·3	0·0	25·7	26·7	27·1	27·0	...	26·1	26·2	o r. t : e. f.
23	8·3	72	− 3·9	+ 2·0	27	4·4	4·4	+ 1·1	25·7	26·7	27·0	27·1	...	25·9	25·6	e.q. : e. f.
24	10·1	88	− 3·1	+ 1·8	30	3·6	3·6	+ 0·3	25·7	26·7	26·9	26·3	...	25·0	24·4	f.
25	9·8	83	− 2·1	+ 2·0	44	2·9	3·1	− 0·2	25·7	26·7	26·8	25·8	...	24·5	23·9	f. e. : f.
26	9·6	84	− 2·6	+ 2·7	46	3·7	3·8	+ 0·5	25·7	26·7	26·5	25·6	...	24·3	23·8	f. e. f.
27	8·9	78	− 1·7	+ 2·0	50	2·6	2·7	− 0·6	25·8	26·5	26·3	25·2	...	24·1	23·9	e. f.
28	9·9	87	− 3·3	+ 2·4	36	4·1	4·2	+ 0·9	25·8	26·6	26·2	25·5	...	24·7	24·9	e. f. : f.
29	8·8	77	− 3·0	+ 1·6	28	3·4	3·5	+ 0·2	25·7	26·6	26·1	25·5	...	24·7	24·7	f. e.f. f. :
30	1·8	16	− 3·5	+ 1·4	22	3·7	3·7	+ 0·4	25·7	26·6	26·1	25·5	...	24·7	24·7	e. : f.
31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	7·04	60·6	−1·78	+2·39	53·3	2·97	3·41	+ 0·11	...	..	26·97	27·05	...	26·16	26·03	...
Average	7·68	66·1	−0·97	+2·64	70·9	2·81	3·30	...	25·49	26·94	...	...	...	...	...	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF APRIL 1924.

Element	Highest			Date		Lowest			Date	
Atmospheric Pressure	1010·3 m.b.s.	at	9^h	on	26th	997·6 m.b.s.	at	4^h	on	22nd
Temperature of the Air	29·4°C	at	12^h30^m	on	7th	16·0°C	at	2^h10^m	on	25th
Daily range of temperature of the Air...	11·0°C		...	on	10th	3·°0C		...	on	16th
Temperature of the Dew Point	24·5°C	at	9^h	on	22nd	13·°5C	at	3^h	on	24th
Daily range of temperature of the Dew Point	6·3°C		...	on	22nd	1·2°C		...	on	3rd
Relative humidity...	99·0%	at	2^h	on	22nd	50·0%	at	11^h	on	23rd
Wind Velocity	8·5 m.p.s.	at	16^h	on	22nd	0·6 m.p.s.	often		...	
Rainfall	28·9 mm.	ending	2^h	on	22nd	..	...		...	
Temperature of the soil at 3 ins. ...	28·8°C	at	18^h	on	8th	22.2°C	at	6^h	on	27th
,, ,, at 6 ins. ...	28·2°C	at	18^h	on	8th	23·4°C	at	9^h	on	27th
Duration of sunshine...	$10·5^h$		...	on	2nd	$0·0^h$		...	on	16th
Amount of Evaporation	6·4 mm.		...	on	18th	1·0 m.m.		...	on	17th
Vapour Tension	27·6 mbs		...	on	15th	16·6 m.p.s.		...	on	24th
Minimum on Grass	...		...		...	11·5°C		...	on	24th

Number of Days Overcast, 7, Clear 2, of Rain 12, of Lightning 2. of Thunderstorm 2.

Mean Day Temperature of Air 25·°52C, Average 25·74°C, Mean Night Temperature of Air 22·60°C, Average 22·39°C.

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

† Thermometer broken.

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

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

APRIL 1924.

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	0061	0060	0062	0070	0080	0056	0033	0043	0042	0052	0056	0055	0052	0052	0053	0043	Midnight
1h	0056	0055	0057	0065	0074	0053	0028	0038	0041	0050	0052	0052	0051	0051	0050	0039	1h
2	0053	0044	0055	0061	0067	0051	0022	0034	0032	0044	0051	0047	0048	0042	0042	0032	2
3	0049	0044	0051	0058	0061	0045	0022	0027	0031	0043	0049	0045	0043	0039	0040	0029	3
4	0042	0041	0051	0057	0060	0042	0020	0023	0029	0042	0042	0042	0042	0040	0039	0030	4
5	0043	0045	0052	0055	0061	0042	0021	0025	0030	0044	0042	0042	0043	0041	0042	0025	5
6	0045	0046	0055	0060	0064	0045	0024	0030	0034	0046	0046	0046	0046	0044	0045	0031	6
7	0052	0052	0060	0064	0067	0046	0025	0034	0036	0052	0052	0052	0053	0051	0051	0032	7
8	0056	0057	0064	0072	0072	0052	0031	0043	0048	0054	0055	0055	0055	0055	0054	0035	8
9	0055	0064	0072	0075	0072	0052	0035	0052	0052	0056	0057	0057	0059	0056	0055	0043	9
10	0056	0065	0069	0074	0070	0046	0030	0051	0052	0054	0056	0061	0061	0058	0056	0052	10
11	0050	0061	0063	0073	0068	0040	0027	0045	0048	0051	0053	0057	0055	0053	0049	0042	11
Noon	0047	0053	0057	0071	0058	0032	0023	0032	0042	0040	0050	0054	0049	0049	0041	0034	Noon
13h	0041	0047	0053	0065	0054	0032	0021	0026	0033	0032	0044	0049	0041	0040	0033	0029	13h
14	0038	0043	0049	0062	0050	0021	0020	0021	0027	0024	0038	0041	0039	0029	0026	0021	14
15	0031	0039	0045	0060	0048	0022	0020	0023	0026	0028	0033	0038	0040	0031	0032	0023	15
16	0035	0039	0048	0062	0048	0020	0020	0022	0025	0028	0038	0040	0039	0030	0029	0021	16
17	0038	0041	0050	0068	0049	0022	0025	0023	0025	0032	0040	0042	0041	0034	0030	0021	17
18	0041	0044	0052	0070	0050	0024	0025	0025	0031	0041	0044	0047	0043	0041	0030	0022	18
19	0047	0051	0060	0075	0053	0026	0029	0032	0034	0045	0050	0052	0051	0051	0042	0029	19
20	0051	0059	0068	0084	0056	0031	0035	0035	0045	0053	0055	0055	0054	0059	0047	0031	20
21	0055	0062	0071	0085	0059	0041	0042	0044	0051	0057	0056	0058	0054	0061	0053	0042	21
22	0062	0063	0073	0086	0059	0041	0044	0044	0053	0059	0059	0056	0055	0059	0051	0045	22
23	0061	0064	0072	0085	0058	0039	0043	0042	0052	0056	0056	0055	0055	0055	0049	0039	23

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
Midnight	0043	0071	0081	0055	0032	0999	0039	0084	0092	0094	0093	0083	0079	0081	...	1006·0	Midnight
1h	0035	0071	0073	0052	0030	0993	0037	0084	0090	0092	0091	0081	0072	0079	...	1005·6	1h
2	0031	0064	0069	0042	0026	0988	0038	0082	0081	0090	0084	0073	0068	0071	...	1005·1	2
3	0031	0061	0063	0043	0020	0978	0041	0082	0082	0088	0082	0070	0067	0068	...	1004·8	3
4	0023	0062	0058	0040	0019	0976	0041	0081	0083	0088	0081	0067	0064	0068	...	1004·6	4
5	0023	0064	0061	0043	0019	0979	0043	0083	0085	0090	0082	0069	0064	0067	...	1004·8	5
6	0027	0071	0064	0044	0021	0984	0052	0086	0089	0092	0084	0071	0067	0071	...	1005·1	6
7	0032	0075	0072	0045	0025	0990	0059	0092	0092	0097	0090	0077	0071	0078	...	1005·6	7
8	0050	0085	0076	0052	0021	0000	0004	0095	0099	0100	0093	0082	0075	0087	...	1006·1	8
9	0058	0087	0078	0058	0030	0003	0072	0100	0100	0103	0094	0086	0081	0089	...	1006·5	9
10	0060	0088	0075	0055	0028	0005	0075	0099	0101	0102	0092	0084	0082	0088	...	1006·5	10
11	0057	0086	0070	0053	0025	0004	0073	0095	0096	0101	0083	0076	0074	0080	...	1006·0	11
Noon	0055	0081	0060	0043	0015	0002	0071	0091	0090	0096	0074	0070	0071	0075	...	1005·4	Noon
13h	0049	0071	0052	0032	0009	0001	0063	0084	0085	0087	0070	0064	0062	0063	...	1004·8	13h
14	0042	0064	0042	0022	0002	0994	0061	0082	0081	0084	0070	0062	0060	0064	...	1004·3	14
15	0041	0062	0041	0023	0994	0995	0062	0083	0081	0083	0067	0062	0059	0061	...	1004·2	15
16	0042	0062	0042	0024	0992	0002	0063	0083	0080	0083	0066	0062	0061	0064	...	1004·2	16
17	0045	0065	0049	0027	0992	0006	0067	0084	0084	0085	0069	0063	0064	0067	...	1004·5	17
18	0051	0069	0054	0029	0994	0011	0072	0090	0085	0088	0074	0069	0073	0072	...	1004·9	18
19	0056	0076	0057	0033	0002	0022	0082	0094	0088	0090	0082	0071	0072	0676	...	1005·4	19
20	0064	0086	0063	0040	0003	0026	0087	0096	0094	0093	0085	0074	0081	0084	...	1006·0	20
21	0072	0090	0066	0045	0005	0031	0092	0099	0096	0095	0088	0082	0084	0089	...	1006·4	21
22	0073	0088	0064	0043	0004	0035	0092	0098	0095	0096	0087	0082	0083	0087	...	1006·5	22
23	0072	0084	0061	0041	0001	0041	0091	0095	0095	0097	0085	0081	0082	0085	...	1006·3	23

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

Hour. \ Day.	APRIL 1924.																																
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	1	1	1	5	3	4	3	1	0	0	2	4	1	8	5	10	10	5	8	10	10	10	5	2	3	5	2	4	1	1	...	4·2
1h	1	1	1	7	5	2	2	1	0	0	2	6	1	7	6	9	10	5	8	9	10	10	7	1	3	6	2	5	1	4	...	4·4
2	1	2	1	5	6	2	1	2	0	0	2	7	1	7	6	10	10	6	9	9	10	10	9	2	2	4	2	4	1	6	...	4·6
3	1	2	2	4	2	2	1	2	1	0	2	9	2	6	5	10	10	7	10	10	10	9	9	2	2	2	2	3	1	8	...	4·5
4	1	2	2	3	2	2	1	2	2	0	2	8	2	8	7	10	10	8	10	10	10	7	9	2	2	1	3	1	1	8	...	4·5
5	2	3	2	3	2	2	1	3	9	0	2	8	3	8	9	10	10	8	9	10	10	5	8	3	3	2	4	3	2	8	...	5·1
6	3	3	3	4	3	3	2	3	5	1	2	9	3	7	9	9	10	6	9	10	10	9	6	2	3	2	5	5	3	8	...	5·2
7	4	4	3	4	4	3	2	3	3	1	3	8	5	8	6	10	10	4	8	9	10	9	3	4	3	1	5	4	3	9	...	5·1
8	5	4	5	8	5	4	2	4	3	2	4	7	9	8	7	10	10	6	7	10	10	9	5	3	3	2	5	5	4	7	...	5·8
9	7	4	7	6	7	6	3	5	6	3	5	8	8	8	9	10	10	7	8	10	10	7	6	3	5	2	5	6	5	7	...	6·4
10	7	6	5	6	7	6	4	7	8	3	5	8	7	8	9	10	10	7	7	10	10	8	6	3	6	6	5	6	6	5	...	6·7
11	7	5	6	7	7	7	5	7	9	4	6	8	7	9	8	10	9	5	7	10	10	8	5	4	6	7	6	7	7	7	...	7·0
Noon	7	6	6	5	6	7	5	6	8	4	7	9	7	8	7	10	9	6	7	10	10	7	6	4	7	7	3	7	7	7	...	6·8
13h	7	6	6	6	7	7	7	6	8	4	7	7	8	7	7	10	9	8	7	10	10	8	5	5	7	7	1	7	6	9	...	7·0
14	7	6	6	6	7	7	8	6	9	4	7	7	8	7	8	10	9	7	6	9	10	7	5	5	7	7	5	7	6	9	...	7·1
15	7	6	6	6	6	7	8	6	8	5	7	7	6	8	8	10	8	7	6	10	10	6	5	5	7	7	5	5	6	8	...	6·9
16	6	5	5	5	5	9	7	5	8	6	8	7	6	7	9	9	9	6	8	10	10	5	4	4	6	7	4	4	5	7	...	6·5
17	5	6	4	4	5	10	6	4	7	7	5	8	7	8	8	9	9	7	8	10	10	4	3	3	4	6	4	3	5	6	...	6·2
18	3	6	4	3	4	9	5	3	6	7	3	7	4	7	9	8	8	7	9	10	10	7	4	2	2	6	3	2	4	4	...	5·6
19	8	5	2	3	3	8	3	2	4	4	2	5	6	8	8	9	8	8	9	10	10	8	3	2	2	5	3	2	4	3	...	5·2
20	3	6	2	2	3	7	2	1	2	2	1	4	8	7	9	10	8	7	8	10	10	4	2	1	1	4	2	1	3	3	...	4·4
21	1	7	1	3	3	8	1	1	1	5	0	3	5	6	8	10	7	9	10	10	10	2	2	1	1	2	2	1	2	2	...	4·1
22	1	5	3	4	3	5	2	1	0	3	2	2	6	8	9	10	6	9	10	10	10	2	2	2	2	2	2	1	2	1	...	4.2
23	1	3	5	3	2	3	1	0	0	2	3	1	6	7	10	10	5	9	10	10	10	5	2	2	4	2	3	1	1	3	...	4·1

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

Hour* Ending \ Day.	APRIL 1924.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Total.
	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	hrs.
6h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...
7	20	25	0	10	7	0	42	12	5	14	5	7	0	46	0	0	0	0	0	0	0	0	5	12	18	22	5	2	15	0	...	4·5
8	40	60	50	45	50	45	60	45	58	60	60	60	45	50	12	0	0	45	22	0	0	0	45	60	42	60	36	58	60	0	...	19·5
9	50	60	60	55	60	60	60	60	32	60	50	60	40	50	42	0	0	60	50	0	0	18	45	60	55	60	20	60	60	5	...	21·5
10	60	60	60	53	60	60	60	60	14	60	55	36	55	58	25	0	0	60	30	0	0	38	50	60	60	60	60	60	60	45	...	22·7
11	60	60	60	60	55	60	60	60	0	60	50	0	60	58	53	0	0	60	60	0	0	45	60	60	60	60	60	60	35	32	...	22·5
Noon	60	60	60	60	55	60	52	60	10	60	24	16	60	47	55	0	0	60	40	10	0	20	43	60	60	55	60	60	42	5	...	20·9
13h	60	50	60	60	60	50	33	60	15	60	55	32	60	50	52	0	0	48	42	0	0	25	60	60	60	60	60	60	40	0	...	21·2
14	60	60	60	60	60	56	12	60	5	60	60	47	60	50	58	0	25	42	35	0	0	42	55	60	60	60	60	60	55	0	...	22·0
15	50	60	60	13	60	7	8	52	3	60	50	50	25	50	60	0	30	60	45	6	8	44	40	60	60	60	60	60	50	0	...	19·9
16	60	60	60	47	48	0	25	60	12	15	6	50	55	22	54	0	14	50	22	0	0	50	55	60	60	30	60	60	60	0	...	18·2
17	60	60	58	45	46	0	40	60	0	12	30	15	48	10	28	0	0	50	16	0	0	45	35	48	52	46	47	52	50	15	...	16·1
18	12	15	0	6	5	0	10	12	0	10	12	0	6	0	0	0	0	12	0	0	0	12	4	6	3	0	3	0	2	5	...	2·3
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	...

The total amount of registered sunshine was 211·3 hours and the total possible sunshine 347·9 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

Day. / Hour	1d. Air.	1d. Excess of Air over Evap.	2d. Air.	2d. Excess of Air over Evap.	3d. Air.	3d. Excess of Air over Evap.	4d. Air.	4d. Excess of Air over Evap.	5d. Air.	5d. Excess of Air over Evap.	6d. Air.	6d. Excess of Air over Evap.	7d. Air.	7d. Excess of Air over Evap.	8d. Air.	8d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·2	1·1	23·0	1·1	23·5	1·2	23·1	1·0	23·4	1·3	23.6	1·6	23·2	0·5	23·2	1·1	Midnight
1h	23·0	1·0	22·9	1·0	23·5	1·4	23·2	1·0	23·3	1·3	23·1	1·1	23·3	0·6	23·3	1·2	1
2	22·9	1·0	22·7	1·0	23·3	1·2	22·9	0·9	23·5	1·5	23·0	1·1	23·2	0·9	23·0	1·1	2
3	22·8	0·9	23·0	1·0	23·2	1·1	22.7	0·9	23·2	1·3	23·3	1·2	23·1	0·9	22·3	1·0	3
4	22·4	0·7	22·7	0·8	23·1	1·1	22·7	1·0	23·1	1·3	23·1	1·1	22·8	1·1	22·5	1·2	4
5	22·7	0·8	22·4	1·1	23·2	1·1	22·6	1·2	23·0	1·3	23·1	1·1	21·9	0·9	22·7	1·0	5
6	22·7	0·9	22·1	1·0	23·4	1·3	22·9	1·4	22·9	1·6	23·1	1·0	21·5	0·9	23·0	1·1	6
7	23·2	0·9	23·1	1·0	23·5	1·2	23·5	1·3	23·1	1·3	23·5	1·1	22·6	0·7	22·3	0·8	7
8	25·0	1·9	25·7	2·2	25·9	2·4	24·0	1·1	25·6	2·5	26·0	2·1	24·9	2·9	25·9	2·1	8
9	25·1	2·0	26·2	2·8	27·0	3·3	25·9	2·5	26·5	3·2	26·3	2·4	27·0	3·1	26·6	2·9	9
10	27·3	4·1	27·3	4·0	26·9	3·3	26·0	3·0	26·8	3·3	27·7	3·7	27·8	3·8	27·3	3·5	10
11	27·2	4·0	27·3	4·1	27·8	3·6	26·5	3·6	26·8	3·3	28·0	3·9	28·6	4·7	27·8	3·9	11
Noon	27·1	4·0	27·2	3·8	28·0	4·0	27·0	4·0	27·1	3·4	28·2	4·1	28·7	4·5	28·2	4·1	Noon
13h	27·7	4·0	27·7	3·8	28·5	4·6	26·9	4·4	27·3	4·0	28·3	4·0	27·9	2·7	...	...	13h
14	27·5	3·9	27.7	4·2	28·0	4·2	26·5	3·5	27·2	4·3	28·4	4·3	27·6	2·8	...	...	14
15	27·1	3·8	27·3	3·7	27·6	4.0	25·9	2·7	26·9	3·5	27·3	2·3	27·5	2·3	27·9	4·2	15
16	26·5	3·3	26·9	3·6	27·0	3·3	26·0	2·2	26·2	3·0	26.4	2·2	26·8	3·6	...	...	16
17	26·1	2·9	26·0	2·9	25·9	2·7	25·5	2·5	25·5	2·5	25·5	1·2	26·3	3·2	...	..	17
18	25·0	1·9	25.2	2·2	24·9	1·9	24·2	2·0	24·6	1·7	25·0	1·1	25·2	2·1	25·8	2·0	18
19	24·1	1·5	24·3	1·4	24·1	1·2	23·9	1·8	24·0	1·6	24·8	1·2	24·1	1·6	...	...	19
20	23·5	1·3	24·1	1·6	23·9	1·3	23·9	1·7	23·9	1·4	24 7	1·2	23·8	1·6	...	...	20
21	23·3	1·3	23·9	1·5	23·8	1·5	23·8	1·7	23·8	1·1	24·3	1·3	23·6	1·5	23·4	1·3	21
22	23·1	1·2	23·9	1·6	23·6	1·4	23·7	1·7	23·6	1·0	24·0	1·0	23·3	1·2	...	...	22
23	23·0	1·2	23·9	1·4	23·3	1·2	23·4	1·4	23·6	1·1	23·9	0·9	23·3	1·2	...	...	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	22·4	0·8	22·0	1·4	22·0	1·4	23·6	2·4	23·8	1·8	24·2	1·1	24·9	1·2	24·9	1·2	Midnight
1h	22·2	1·2	21·6	1·5	...	..	24·0	2·6	23·7	1·8	24·3	1·3	24·8	1·0	24·1	0·6	1h
2	22·0	1·1	21·1	1·1	...	...	24·0	2·6	23·4	1·9	24·2	1·2	24·7	1·0	24·2	0·8	2
3	21·5	0·8	21·0	1·0	21·0	1·0	24·1	2.6	23·5	1·7	24·7	1·6	24·6	1·0	24·0	0·8	3
4	21·3	0.8	20·7	1·1	...	...	24·1	2·7	23·7	1·6	24·3	1·1	24·7	1·0	23·3	1·1	4
5	21·8	1·0	20·1	0·8	...	...	24·3	2·8	23·1	1·7	24·1	0·9	24·7	1·0	23·0	0·9	5
6	21·1	0·7	20·2	1·0	19·9	0·9	24·5	3·1	22·9	1·8	24·3	1·0	24·7	1·0	23·5	0·6	6
7	21·7	0·8	...	...	...	...	25·1	3·3	24·1	1·6	24·9	1·2	24·9	1·0	23·4	0·8	7
8	24·7	1·7	...	...	...	...	26·2	3·6	25·8	2·8	26·1	1·8	25·5	1·3	23·9	0·8	8
9	26·6	2·6	26·7	5·1	26·1	3·4	26·9	4·0	26·5	2·7	26·0	1·2	25·7	1·4	24·9	1·7	9
10	26·7	2·6	...	...	...	...	26·8	3·6	26·5	2·8	26·9	2·4	25·9	0·9	25·1	1·9	10
11	26·8	2·3	...	...	...	...	27·0	3·4	27·5	3·5	27·8	2·9	26·9	2·5	25·7	2·4	11
Noon	27·2	2·0	29·8	4·8	28·1	3·3	27·0	3·0	28·1	4·5	27·8	3·1	27·0	2·4	25·7	2·5	Noon
13h	27·0	2·0	...	...	28·0	3·9	28·0	3·9	28·3	4·6	27·5	2·4	27·1	2·4	25·9	2·3	13h
14	25·7	1·8	...	...	28·6	3·9	27·7	3·7	28·1	4·4	28·0	3·1	27·1	2·6	25·8	2·3	14
15	25·9	2·3	29·5	5·2	28·9	3·9	27·7	3·8	26·2	2·7	27·7	2·9	27·1	3·0	25·7	2·0	15
16	26·0	2·4	...	...	27·2	3·1	27·0	3·7	26·7	3·4	26·4	1·7	26·7	2·7	25·1	1·6	16
17	25·5	2·3	...	...	26·3	3·6	26·1	3·1	26·0	3·0	26·2	2·0	25·3	1·3	24·3	1·1	17
18	24·8	1·9	24·6	2·9	25·1	2·9	25·3	2·3	25·3	2·9	25·8	1·7	25·1	1·4	24·4	1·1	18
19	24·1	1·8	...	...	23·7	2·4	25·0	2·7	25·0	2·9	25·5	1·4	25·2	1·4	24·7	1·5	19
20	23·5	1·8	...	...	23·1	2·0	24·0	1.9	24·8	2·5	25·3	1·3	24·9	1·5	24·3	1·1	20
21	22·8	1·7	23·1	1·3	23·6	2·5	23·9	1·8	24·9	2·2	25·5	1·5	24·9	1·3	24·6	1·3	21
22	22·5	1·7	...	...	23·6	2·4	24·0	1·9	25·1	2·2	25·3	1·2	24·9	1·3	24·6	1·3	22
23	22·2	1·6	...	...	23·2	2·1	24·0	1·6	25·0	1·9	25·1	1·3	25·1	1·4	24·3	1·1	23

TABLE X. (*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 1924

Day. / Hour.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	24·3	1·0	23·6	0·6	22·9	1·4	24·0	0·9	24·2	0·8	23·7	0·6	21·9	2.9	18·7	2·7	Midnight
1h	24·8	1·3	23·7	0·6	22·3	1·0	24·0	0·9	24·6	1·2	23·7	0·3	22·2	3·0	18·1	2·4	1h
2	24·6	1·2	23·8	0·8	22·9	1·5	23·9	0·8	24·1	0·5	23·3	0·1	22·8	3·2	18·9	3·0	2
3	24·3	0·8	23·9	0·7	22·9	1·6	23·9	0·8	24·0	0·6	23·3	0·2	22·0	2·7	16·8	1·8	3
4	24·1	0·7	23·8	0·7	23·4	1·4	23·7	0·7	24·1	1·0	23·6	0·4	21·6	2·9	17·1	1·6	4
5	24·2	0·8	23·6	0·7	23·7	1·6	23·7	0·7	22·9	0·7	23·0	0·5	21·9	3·3	18·0	1·9	5
6	24·1	0·8	23·2	0·5	23·7	1·6	23·6	0·7	22·1	0·3	22·6	0·7	21·5	3·0	17·2	1·4	6
7	24·7	1·2	23·3	1·0	24·0	1·4	23·6	0·8	22·3	0.5	23·0	0·6	21·3	3·2	19·1	1·9	7
8	24·9	1·3	24·9	2·0	24·9	1·6	24·0	0·5	22·5	0·4	24·0	0·5	22·9	4·4	22·9	3·9	8
9	25·0	1·3	25·5	2.9	25·9	2.5	24·6	1·1	22·9	0·6	25·2	0·4	23·5	4·9	23·3	4·6	9
10	25·2	1·3	26·1	2·8	26·2	2·6	25·2	1·3	23·2	0·4	26·0	2·2	24·0	4·9	24·1	5·1	10
11	26·2	1·9	26·1	2·6	27·3	3·2	26·0	1·4	23·2	0·3	26·9	3·2	24·7	6·5	24·3	5·3	11
Noon	27·0	2·5	27·0	3·0	26·4	2·2	26·9	2·7	24·0	0·7	26·8	3·3	24·5	5·6	24·3	6·0	Noon
13h	27·0	2·8	26·3	2·3	26·6	2·1	25·3	1·3	24·9	1·1	25·5	2·2	24·9	5·9	24·6	5·7	13h
14	27·5	2·7	26·3	2·3	26·5	2·2	25·8	2·1	25·1	1·1	25·9	3·9	24·3	5·2	25·0	5·7	14
15	27·0	2·1	26·7	2·8	26·8	2.6	26·0	2·3	25·9	1·8	26·3	4·4	24·0	4·8	24·5	6·0	15
16	26·5	2·4	26·2	2·3	26·1	2·1	25·6	2·1	25·3	1·0	25·6	3·5	23·4	5·2	23·6	5·1	16
17	25·7	1·5	25·3	3·0	25·3	1·7	25·5	2·3	25·1	1·1	25·1	3·4	22·8	4·7	22·8	4·4	17
18	25·0	1·0	24·3	2·3	25·2	1.5	25·2	2·1	24·9	1·0	24·0	2·9	20·9	3·6	21·2	3·2	18
19	24·8	1·2	23·8	1·9	25·0	1·5	25·0	1·7	24·8	0·9	23·9	2·7	20·5	2·6	19·8	2·1	19
20	24·7	1·2	23·7	2 0	24·9	1·5	25·0	1·8	24·6	0·8	23·3	2·3	20·0	2·6	19·6	2·5	20
21	24.6	1·3	23·6	1·9	24·1	1·1	25·0	1·6	24·3	0·6	23·2	2·9	19·8	2·0	18·5	1·8	21
22	24·4	1·2	23·4	1·8	24·6	0·9	24·9	1·4	24·1	0·7	23·1	3·6	20·0	2·2	17·7	1·7	22
23	24·3	1·2	23·2	1·7	23·9	0·8	24·5	0·9	24·0	0·6	22·5	3·5	18·9	1·8	17·5	1·9	23

Day. / Hour.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean. Air.	Mean. Excess of Air over Evap.	Day. / Hour.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	16·8	1·1	18·8	2·5	19·2	2·3	21·1	1·2	21·9	2·9	20·9	1·9	...	...	22·5	1·4	Midnight
1h	16.3	0·6	18·8	2·2	18·2	1·8	21·1	1·2	21·0	2·3	21·6	2·4	...	...	22·3	1·2	1h
2	16·3	0·5	19·7	1·8	18·6	1·9	21·2	1·4	20·5	2·3	21·9	2·6	...	...	22·4	1·3	2
3	16·9	1·0	19·3	1·3	19·0	1·9	21·2	1·2	20·3	2·2	22·0	2·7	...	...	22·2	1·2	3
4	17·4	1·1	18·6	2·4	18·2	1·5	21·0	1·2	19·9	2·1	22·1	2·8	...	...	22·1	1·2	4
5	18·8	1·5	18·2	1·9	18·0	1·7	21·0	1·5	19·3	2·1	22·1	3·0	...	...	22·1	1·4	5
6	18·5	1·5	19·3	2·1	16·9	1·0	21·2	1·6	19·1	1·4	21·3	2·3	...	...	21·9	1·3	6
7	20·0	1·9	19·0	2·6	17·3	0·7	21·9	1·8	20·9	1·9	22·2	2·6	...	...	22·6	1·6	7
8	21·7	2·5	22·4	3·7	21·2	1·2	24·2	3·0	23·2	3·2	23·0	2·8	...	...	24·4	2·3	8
9	22·1	2·8	23·9	5·1	22·8	1·9	25·0	3·6	24·3	4·0	24·2	3·2	...	...	25·3	2·8	9
10	24·1	4·2	24·8	4·9	24·1	3·0	25·8	4·0	25·7	4·4	25·7	4·7	...	...	26·0	3·3	10
11	24·6	4·7	25·2	5·4	25·2	4·0	26·1	4·4	24·6	3·8	26·3	4·6	...	...	26·5	3·6	11
Noon	25·0	5·1	24·3	4·3	25·3	4·4	26·6	4·8	25·6	4·4	26·0	4·5	...	...	26·7	3·7	Noon
13h	24·9	5·1	25·3	4·7	25·7	5·8	26·7	4·8	25·1	3·8	25·9	4·2	...	...	26·7	3·6	13h
14	25·1	5·4	24·8	4·7	25·2	4·4	26·3	4·6	25·9	4·4	25·2	4·0	...	...	26·7	3·8	14
15	24·7	5·4	25·0	4·9	25·3	4·4	26·1	4·2	25·5	4·4	25·0	4·1	...	...	26·5	3·6	15
16	24·0	4·8	23·9	4·4	24·8	4·4	25·2	3·9	24·9	4·3	24·4	4·1	...	...	25·8	3·2	16
17	23·0	4·3	23·3	4·3	23·7	3·7	24·1	3·1	23·1	2 9	23·4	3·4	...	...	25·0	2·8	17
18	21·3	3·8	22·2	3·5	22·7	2·7	23·0	2·6	21·9	2·5	22·5	3·3	...	...	24·1	2·2	18
19	18·9	1·9	21·8	3·5	21·3	2·0	22·8	2·6	21·6	2·5	22·0	3·0	...	...	23·5	1·8	19
20	19·5	2·6	21·3	3·1	20·9	1·8	22·5	2·5	21·7	2·5	21·8	2·9	...	...	23·3	1·9	20
21	19·9	3·0	21·7	3·2	20·3	1·5	22·2	2·5	21·2	2·0	21·9	3·4	...	...	23·1	1·8	21
22	19·9	2·7	21·2	3·2	20·6	1·5	22·1	2·5	21·3	2·1	21·9	2·8	...	...	23·0	1·8	22
23	19·3	2·3	20·8	3·6	21·0	1·4	21·9	2·6	20·9	1·9	22·3	3·0	...	...	22·8	1·7	23

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

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

APRIL 1924.

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	882	918	881	913	877	923	895	912	879	931	888	930	887	913	886	914	Midnight
1h	883	917	885	910	879	931	886	922	880	920	889	926	885	915	890	910	1h
2	886	914	886	910	871	929	889	917	885	924	890	923	889	911	894	904	2
3	887	913	885	910	885	923	889	916	886	921	893	917	889	908	894	903	3
4	888	912	887	913	881	919	884	916	875	925	889	916	889	902	888	909	4
5	885	915	891	909	874	917	885	915	885	923	885	915	888	902	887	913	5
6	886	914	887	913	888	912	883	926	886	921	885	915	889	902	887	909	6
7	884	916	887	913	873	927	879	932	878	922	887	913	894	901	894	901	7
8	881	919	876	924	878	922	883	941	888	930	889	916	891	904	885	915	8
9	883	941	879	932	873	927	875	959	868	947	879	931	882	918	889	927	9
10	876	936	868	932	871	943	878	953	875	959	900	928	880	930	900	928	10
11	878	952	887	962	872	941	900	961	888	960	882	945	882	927	900	928	11
Noon	870	946	881	946	879	952	886	972	888	958	884	939	917	900	900	938	Noon
13h	886	934	867	949	868	948	888	957	877	955	885	937	903	883	905	926	13h
14	890	948	873	941	869	946	885	938	886	967	887	932	905	888	911	926	14
15	885	937	870	946	871	943	889	955	880	948	887	894	903	887	914	936	15
16	883	943	869	946	871	943	878	954	880	948	889	917	884	924	914	934	16
17	878	932	872	942	879	952	880	948	879	952	887	894	875	925	911	926	17
18	883	941	879	932	886	934	886	936	876	936	892	908	882	918	904	910	18
19	880	920	879	921	874	926	889	929	890	947	887	913	887	913	900	914	19
20	882	918	871	929	888	912	883	926	900	936	878	922	882	918	900	915	20
21	885	915	889	927	881	919	887	934	892	939	881	912	887	913	900	911	21
22	889	911	876	936	878	922	881	929	887	932	881	919	884	916	900	911	22
23	886	914	883	925	888	912	886	922	884	939	884	911	881	912	900	911	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	896	910	886	910	892	903	875	910	882	918	874	926	900	943	909	942	Midnight
1h	896	909	881	908	890	904	863	915	885	915	871	929	884	940	900	942	1h
2	889	911	887	906	884	907	857	917	889	911	869	931	888	930	900	935	2
3	887	913	880	900	879	909	857	918	891	909	871	929	887	932	909	943	3
4	890	910	885	910	886	906	859	917	889	911	871	929	887	933	900	938	4
5	892	908	885	910	887	913	868	913	892	906	871	929	887	934	885	937	5
6	889	911	885	910	887	913	860	916	888	909	869	931	893	933	890	948	6
7	894	906	893	904	894	903	868	907	883	917	877	934	888	931	900	946	7
8	896	904	889	908	889	905	852	920	881	929	875	938	890	951	900	934	8
9	898	906	879	904	889	905	844	911	867	933	878	953	887	966	900	942	9
10	894	913	893	901	885	915	852	920	854	946	876	958	888	960	900	938	10
11	910	904	896	890	892	920	848	922	848	952	864	955	900	969	900	943	11
Noon	908	903	907	884	896	879	858	928	861	958	873	941	913	964	900	948	Noon
13h	913	906	911	874	894	872	863	925	859	962	881	946	912	957	900	942	13h
14	912	909	918	882	900	871	854	931	851	949	861	958	900	960	900	956	14
15	900	917	907	884	904	879	854	919	856	944	873	965	900	953	893	936	15
16	888	918	886	935	893	907	859	928	857	943	878	954	900	955	885	938	16
17	876	910	884	916	880	920	871	911	864	936	883	943	900	956	884	939	17
18	883	907	887	913	874	911	889	908	877	923	874	939	900	954	887	933	18
19	884	907	889	911	893	901	887	906	875	925	884	939	900	953	894	929	19
20	880	908	892	908	892	903	884	907	873	927	877	934	900	938	900	933	20
21	878	909	887	913	877	900	888	909	870	930	874	940	900	944	900	931	21
22	879	914	873	918	879	904	889	911	868	932	879	932	900	946	894	930	22
23	883	907	883	907	881	900	884	916	873	927	890	950	900	945	896	921	23

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

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

APRIL 1924.

Hour. \ Day.	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	929	887	934	882	918	908	940	895	924	910	890	885	906	884	911	Midnight
1h	891	922	886	934	885	915	919	928	895	926	904	890	868	913	876	915	1h
2	887	934	887	932	878	922	910	923	897	914	903	894	861	916	866	923	2
3	895	923	885	937	880	920	900	915	896	919	900	893	851	920	890	908	3
4	900	919	889	927	861	939	900	914	900	931	900	886	851	920	875	917	4
5	887	934	889	928	868	932	900	913	900	919	900	894	858	917	876	916	5
6	892	920	886	936	868	932	900	916	900	918	900	894	866	913	873	918	6
7	888	931	889	929	869	931	900	920	895	922	900	893	867	913	882	912	7
8	889	928	883	942	868	932	900	926	912	930	900	894	865	923	869	931	8
9	890	925	878	952	867	949	900	940	900	911	900	870	858	928	866	934	9
10	890	923	878	954	864	954	900	934	929	929	866	914	854	930	857	943	10
11	900	937	877	955	863	957	917	941	905	926	844	911	847	935	838	941	11
Noon	900	927	874	962	858	962	900	947	922	922	829	914	853	947	844	923	Noon
13h	900	936	878	953	871	971	900	946	932	922	850	910	841	939	842	924	13h
14	900	937	879	952	872	967	912	957	941	927	844	923	845	936	847	922	14
15	907	936	881	947	869	975	911	956	936	924	843	912	849	934	854	919	15
16	900	936	868	948	886	970	910	948	916	918	821	933	837	926	852	920	16
17	900	925	875	937	900	957	900	934	925	925	859	908	857	917	848	922	17
18	900	925	884	939	900	947	900	929	930	912	854	919	873	911	865	914	18
19	894	927	886	922	891	945	900	924	907	904	859	906	866	914	889	905	19
20	890	925	880	920	882	943	900	926	905	905	877	905	883	907	886	906	20
21	890	923	879	921	900	951	900	916	903	905	865	914	872	900	894	902	21
22	890	924	881	919	900	937	900	938	904	906	859	900	873	911	892	902	22
23	890	923	880	920	900	948	900	931	903	907	863	908	886	903	891	900	23

Hour. \ Day.	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	893	899	889	911	883	911	890	910	867	913	866	913	...	...	887	917	Midnight
1h	888	898	889	911	889	908	883	917	876	910	866	913	...	...	885	917	1h
2	894	899	883	911	884	911	879	921	879	909	866	913	...	...	884	917	2
3	894	900	879	914	890	908	878	922	867	913	857	917	...	...	884	916	3
4	871	900	885	906	888	909	884	916	881	908	860	916	...	...	883	916	4
5	882	900	887	909	888	909	879	921	882	908	864	914	...	...	884	916	5
6	874	911	885	915	890	908	877	923	876	905	879	909	...	...	884	917	6
7	884	911	890	908	891	904	884	916	886	910	868	913	...	...	886	916	7
8	889	911	886	914	893	904	882	918	880	908	868	913	...	...	884	921	8
9	868	932	875	938	882	927	872	928	871	911	867	913	...	...	879	929	9
10	868	947	879	952	886	936	867	933	866	923	864	914	...	...	879	935	10
11	874	940	858	942	874	940	859	941	875	925	856	909	...	...	878	938	11
Noon	871	944	854	946	872	941	863	937	878	922	866	913	...	...	880	935	Noon
13h	858	962	854	946	871	944	862	938	864	924	866	914	...	...	880	933	13h
14	865	952	848	952	868	947	864	936	857	943	858	917	...	...	880	936	14
15	871	943	863	957	876	936	859	941	846	922	855	918	...	...	880	932	15
16	871	944	852	948	875	938	845	923	869	931	852	920	...	...	876	936	16
17	871	929	866	934	877	923	846	922	841	925	853	919	...	...	877	929	17
18	887	913	878	922	882	918	857	917	866	923	864	914	...	...	883	924	18
19	894	904	881	912	887	913	848	921	862	915	858	917	...	...	884	919	19
20	882	912	881	913	891	907	855	918	865	914	873	911	...	...	884	918	20
21	882	912	873	927	887	913	857	917	866	914	876	915	...	...	884	919	21
22	882	912	868	932	889	911	857	917	883	907	881	913	...	...	883	920	22
23	885	910	864	924	882	918	865	914	877	910	878	909	...	...	885	918	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during APRIL 1924.

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 1924.

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	2·5	3	2·3	4	3·3	6	1·3	5	3·7	6	3·2	4	1·8	4	2·0	6	1·1	3	1·7	2	0·9	2	2·7	4	2·5	4	3·7	8	4·3	9	4·3
1h	4	2·4	3	1·8	5	3·7	5	2·6	4	2·9	6	2·8	4	2·1	4	1·4	6	1·0	2	2·1	2	1·1	2	4·0	4	2·1	4	4·2	6	4·3	8	4·2
2	4	2·0	3	1·7	4	4·1	5	2·0	5	2·8	6	2·5	4	1·5	3	0·7	4	1·5	2	1·4	2	1·8	2	4·6	4	1·6	4	4·4	6	3·2	8	3·5
3	4	1·8	3	1·8	5	2·7	5	1·9	5	2·5	6	1·9	3	1·4	2	0·7	4	1·8	0	2·0	2	2·3	2	4·7	4	1·3	4	4·2	6	3·4	9	4·4
4	4	1·7	4	1·8	4	2·7	4	2·3	4	3·5	5	1·9	1	1·1	3	1·5	4	1·4	3	1·8	2	1·5	2	4·4	4	1·5	4	4·2	6	3·5	8	3·8
5	4	2·2	4	1·3	3	3·1	4	2·2	5	2·7	4	2·2	1	1·2	4	1·9	4	1·1	3	1·8	4	1·8	2	3·4	3	1·0	4	4·2	6	3·6	6	4·0
6	4	2·0	4	1·8	4	1·7	5	3·1	5	2·5	4	2·1	1	1·1	3	1·6	4	1·5	3	1·8	4	1·8	2	4·3	3	1·5	4	4·4	7	3·4	7	4·9
7	4	2·3	4	1·8	4	3·8	5	3·8	4	3·1	4	1·8	1	0·6	1	0·6	4	0·9	3	0·8	2	0·7	1	3·3	4	2·4	5	4·1	6	3·3	8	4·6
8	4	2·7	4	3·4	4	3·1	6	4·4	6	3·2	5	1·9	2	1·0	4	2·2	4	0·6	3	1·4	2	1·2	2	5·2	5	3·5	5	4·6	7	5·2	8	3·4
9	6	4·4	5	3·8	4	3·9	6	6·4	5	5·7	5	3·7	4	2·5	6	2·9	6	0·6	1	2·2	2	1·2	1	5·7	4	4·7	6	5·8	7	6·7	8	4·2
10	5	4·4	4	4·5	5	5·2	6	5·8	6	6·4	8	2·8	5	3·6	8	2·8	6	1·4	1	0·7	4	2·1	2	5·2	4	6·5	6	6·3	7	6·1	8	3·8
11	6	5·7	7	6·3	5	5·0	8	6·1	7	6·1	6	4·9	5	3·3	8	2·8	14	1·1	r26	1·1	6	2·2	2	5·7	4	7·4	5	6·6	8	6·9	8	4·3
Noon	5	5·5	6	5·0	6	5·6	7	7·3	7	5·9	6	4·2	d16	1·7	8	3·8	14	0·9	22	1·8	d25	2·2	3	5·1	5	7·0	5	4·9	9	6·5	8	4·8
13h	6	3·7	5	5·9	5	5·8	7	5·8	6	6·0	6	4·0	23	1·7	9	2·7	14	1·4	22	2·8	25	2·9	3	4·5	5	7·4	6	5·0	9	5·8	8	4·2
14	7	4·9	5	4·9	5	5·6	6	4·1	7	6·8	6	3·4	22	1·3	10	2·8	13	1·5	20	2·6	24	2·9	3	5·6	4	7·0	5	7·0	8	6·0	8	5·6
15	6	4·0	5	5·5	5	5·2	7	5·6	6	5·2	r30	1·4	23	1·3	10	3·9	8	1·7	22	1·8	23	2·2	2	5·0	4	6·3	6	7·0	8	5·3	7	3·7
16	6	4·6	5	5·6	5	5·2	6	5·9	6	5·2	d 5	2·0	d 5	2·9	10	3·7	5	2·1	r 6	3·8	d 4	1·0	3	5·0	4	6·2	6	5·9	8	5·5	6	4·1
17	5	3·9	5	5·1	6	5·6	6	5·2	6	5·6	d30	1·4	4	3·5	10	2·8	2	2·6	4	2·3	4	2·8	2	3·1	4	5·2	6	4·6	8	5·6	6	4·2
18	6	4·4	5	3·8	6	3·7	6	3·9	5	4·4	d 4	1·1	4	2·5	10	1·1	2	1·9	4	1·8	2	2·8	3	1·4	4	3·3	5	4·7	8	5·4	6	3·5
19	4	2·9	4	3·0	4	3·7	6	3·1	7	4·8	4	1·9	4	1·9	8	1·4	2	1·8	4	1·5	1	0·7	2	1·4	4	3·5	6	4·2	8	5·3	7	3·0
20	4	2·5	4	4·2	4	1·7	5	3·1	8	3·6	4	3·1	4	2·5	8	1·5	2	2·2	4	1·1	2	0·9	2	1·8	4	3·8	5	4·1	8	3·8	8	3·3
21	4	2·2	6	2·9	4	2·7	6	3·6	7	4·0	3	2·2	4	1·9	8	1·1	2	2·4	4	1·8	0	2·3	3	1·5	4	4·3	5	4·8	8	4·4	8	3·1
22	4	1·6	5	4·3	4	3·1	5	3·5	6	3·4	4	2·7	4	2·3	8	1·1	3	2·5	3	3·2	1	2·1	4	1·6	4	4·5	5	3·8	8	4·6	7	3·1
23	4	2·0	5	3·0	4	1·7	5	2·6	6	4·2	3	1·9	3	2·2	8	1·1	2	1·9	2	1·9	0	1·9	4	2·3	4	3·8	7	5·1	8	4·5	7	2·2

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	3·1	6	3·6	4	2·5	9	4·1	7	2·5	d20	1·4	2	1·6	3	1·9	r31	0·7	4	1·5	3	2·0	4	1·4	2	3·5	2	3·6	...	...	2·5
1h	6	2·4	6	3·7	4	2·2	11	3·4	7	2·7	22	1·1	2	3·4	3	2·8	31	1·2	4	1·6	3	1·4	4	2·4	2	2·6	2	3·6	...	...	2·6
2	6	3·6	6	3·4	4	3·2	10	2·5	7	1·4	22	0·7	2	4·2	3	4·1	31	0·6	3	2·0	3	1·9	4	3·0	2	2·3	2	3·6	...	...	2·5
3	7	2·4	6	4·0	4	2·9	8	1·5	7	1·9	24	0·7	2	5·3	3	1·3	d 0	0·6	3	2·5	3	1·3	4	3·2	2	3·5	2	4·6	...	...	2·5
4	8	1·9	6	2·9	4	5·6	8	1·4	8	3·1	24	1·4	2	5·3	3	3·0	0	2·9	2	1·6	3	1·5	4	2·3	2	2·1	2	4·3	...	...	2·6
5	6	3·6	6	3·0	4	4·5	8	1·3	8	1·9	24	0·6	2	4·5	3	2·9	0	1·8	3	1·6	3	1·5	4	3·0	2	2·0	2	3·9	...	...	2·5
6	6	2·2	6	3·9	4	4·5	8	1·6	8	1·8	24	0·6	2	3·6	3	3·3	2	2·8	4	2·1	3	1·3	4	3·3	1	2·5	2	2·3	...	...	2·5
7	6	3·3	6	3·1	4	4·4	8	2·0	7	2·3	24	0·7	2	3·5	3	2·1	3	1·9	3	1·3	2	1·0	4	2·3	3	1·7	2	3·4	...	...	2·4
8	6	3·0	6	4·5	4	4·6	8	2·6	10	3·2	24	0·6	3	4·2	4	4·4	4	1·6	4	2·0	3	0·8	4	2·6	2	2·2	2	3·4	...	...	2·9
9	6	2·7	6	5·7	5	5·9	8	4·0	8	1·1	24	1·0	3	5·1	4	4·9	4	4·6	5	4·6	5	3·2	4	4·0	2	3·1	2	3·5	...	...	3·9
10	6	2·5	6	5·9	5	6.5	8	3·4	12	4·1	d 2	3·7	3	5·5	4	6·1	5	5·7	6	5·6	6	3·9	4	4·7	3	4·1	2	3·9	...	...	4·4
11	8	3·7	6	6·0	5	6·8	10	4·4	9	2·7	1	5·7	3	6·4	3	7·4	5	4·8	4	6·0	5	4·8	4	5·8	4	3·5	1	4·5	...	...	4·9
Noon	8	2·7	6	6·7	5	7·5	8	4·7	12	3·2	1	7·2	4	6·7	2	6·1	5	5·3	4	6·6	5	5·0	4	5·3	4	3·1	2	3·0	...	...	4·9
13h	8	3·6	6	5·8	6	7·7	8	4·6	13	3·9	1	5·1	3	7·1	2	6·3	5	7·5	4	6·6	5	5·3	4	5·4	3	4·4	2	3·7	...	...	4·9
14	8	3·7	6	5·6	6	7·2	9	5·8	13	4·9	1	6·1	3	6·6	2	5·8	5	6·3	4	7·3	5	5·7	4	5·1	4	6·1	2	4·5	...	...	5·1
15	9	3·7	6	5·1	6	8·1	9	5·7	13	4·4	1	5·8	3	6·1	2	5·0	5	5·2	5	6·8	5	4·4	4	5·8	2	5·9	2	4·9	...	...	4·7
16	8	3·6	5	5·8	7	7·1	9	4·9	12	2·6	2	8·5	2	6·8	2	5·2	5	5·3	4	6·9	5	4·6	2	6·0	4	4·4	2	5·2	...	...	4·9
17	8	2·5	5	4·5	8	5·7	8	3·4	12	3·5	1	4·2	2	4·6	2	5·7	4	4·2	4	4·9	4	3·3	2	5·9	2	6·4	2	5·1	...	...	4·2
18	8	2·5	6	4·2	8	4·7	8	2·9	14	3·2	2	5·0	2	2·9	2	3·8	4	1·8	4	3·1	4	2·6	2	4·6	3	4·1	2	3·9	...	...	3·3
19	7	2·8	5	2·6	7	4·6	8	2·4	13	0·8	1	4·2	2	3·7	2	1·2	3	0·7	3	2·2	4	1·8	2	5·6	2	4·1	2	4·5	...	...	2·8
20	6	2·7	4	2·9	6	4·7	8	1·6	12	0·7	1	2·4	2	1.9	2	1·5	3	2·1	3	2·3	3	1·1	2	4·9	2	3·8	2	2·9	...	...	2·7
21	6	2·5	4	3·0	8	5·1	8	1·6	11	0·6	2	3·8	0	2.8	2	0·6	3	2·1	4	3·9	4	1·9	2	4·6	2	3·7	3	2·8	...	...	2·8
22	6	2·6	4	2·7	8	3·7	8	3·8	11	0·7	0	4·1	2	2·9	1	0·8	3	2·1	4	4·6	4	1·5	2	4·6	2	1·9	3	2·3	...	...	2·8
23	6	2·5	4	2·9	8	4·8	8	3·1	10	0·8	1	3·8	1	1·4	0	0·9	3	1·8	3	4·3	4	2·6	2	3·8	2	2·5	2	2·4	...	...	2·7

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for APRIL 1924.

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	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	4·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	1·0	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	0·2	2·3	...	1·4	...	...	1·5	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	...	...	...	1·2	3·0	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	0·2	...	3·8	5·0	2·7	...	...	...	...	...	...	...	...	...
7	0·2	...	...	...	...	...	...	...	0·6	...	...	...	...	...	0·2	0·6	...	0·4	...	...	1.2	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·4	...	...	0·9	...	...	10·8	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·1	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.5	...	...	...	...	...	0·6	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	0·5	...	...	...	...	0·2	6·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	1·3	...	...	...	...	...	...	...	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...	...	0·8	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	0·3	...	0·5	...	...	...	...	0·2	...	...	...	...	...	...	0.2	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·8	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	1·2	...	4·5	...	...	...	...	...	...	...	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of APRIL 1924.

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	3.09	78·5	124·2	8
	3	Belmont	50	2.80	71·1	126·5	5
	4	Poudre d'Or	20	3.22	81·8	121·2	5
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	2.13	54·1	160·3	8
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	0·64	16.3	146·3	8
	9	Beau Séjour	300	2·89	73·4	187.7	12
	10	Mont Piton	860	3·39	86·1	188·2	10
	11	Mon Choix	700	2·96	75·2	170·7	8
	12	Antoinette	640	2·88	73·1	183·1	11
	13	California	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	5·02	127.5	201·4	11
	15	Mon Songe	620	2·48	63·0	194·1	9
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	3·90	99·1	142·5	14
	19	The Observatory ...	179	3·15	78·8	116·3	12
	20	Solitude§	175	3·29	83.6	78·5	7
	21	St. André	90	3·05	77.3	125·7	7
	22	Belle Vue Harel* ...	350	...	...	...	...
	23	Mont Choisy*	10	...	...	...	...
	25	Esperance (Trébuchet)*	165	3·18	80.8	...	9
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	0.56	14·2	...	5
	49	Poudre d'Or Station§ ...	172	...	...	...	...
	50	Rivière du Rempart* ...	134	0.28	7·1	...	2
2 & 3	1	Union Régnard S.E. ...	600	3·84	97·5	192·5	16
	2	Constance d'Arifat L.G.	100	2·55	64·8	166·9	12
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)§ ...	...	4.24	107.7	...	8
	9	Belle Vue (Allendy)* ...	...	4.08	103.6	...	14
	10	St. Julien E(K. Reetoo)*	...	0·94	3·3	...	6
4	1	Sans Souci	900	13 92	353.6	352·3	25
	2	Etoile	400	7·37	187·2	282·2	6
	3	Beau Champ	20	4·72	119·9	139·4	8
	4	Belle Rive*	400	7·75	196·8	...	17
	5	Olivia	400	9·21	233·9	176·3	18
	6	Deep River§	350	8·64	219·4	...	13
	7	Belle Rose Estate* ...	...	4.77	121·1	...	14
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	8.86	225·0	...	25
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	8.63	219·2	240·0	10
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	...	...	...	...
	5	Union Vale	200	7·38	137·4	144·8	15
5 cont.	5	Mon Désert (Carié)* ...	75	4·69	119·1	...	13
	6	Cluny§	1,000	...	...	...	...
	7	Union Park§	...	...	...	...	...
	8	Sauveterre Estate§ ...	...	...	...	...	...
	9	Bananes Estate§ ...	...	...	...	...	...
	10	Kanaka§	2,000	...	...	...	...
6	1	Tivoli*	1,300	...	...	...	...
	2	La Flora*	1,050	13·25	366·5	...	24
	3	Britannia	730	8·25	209·5	288·8	19
	4	Savannah (Mill) ...	200	...	...	...	...
	5	St. Aubin	300	2·94	112·0	199·1	16
	6	Union B.A.St.Félix S.E.§	90	5·16	131.1	209·8	10
	7	Beau Bois	350	4·62	182·0	219·2	19
	8	St. Avold*	900	...	...	...	...
	9	Terracine§	100	...	...	...	...
	10	St. Félix S.E.§	...	4·61	117·1	...	9
	11	Bel Air*	...	...	...	...	11
	12	Chamouny§	...	5·51	139.9	...	8
	13	Union S. E.*	...	5·35	135·9	...	...
	14	Fontenelle*	...	...	...	...	...
	15	Combo§	...	...	...	...	...
	16	St. Felix (Wilson)* ...	...	...	...	...	...
	17	Choisy Estate§	...	...	...	...	...
	18	Bel Ombre	40	3·46	87·9	191·0	13
7, 8 & 9	1	Beau Champ*	...	5·50	139·7	...	12
	3	Board*	...	4·01	101·8	...	11
	4	Tamarin Station§ ...	155	...	...	...	...
	12	Médine Station§ ...	284	...	...	...	...
	13	Albion Station§ ...	72	...	...	...	...
	14	No returns.	...	...	...	...	...
10	1	Les Gorges§	...	...	...	...	...
11	2	Curepipe Gardens ...	1,840	11·51	292·3	274·8	28
	3	Mare aux Vacoas ...	1,850	13·39	340·1	337·3	23
	4	La Marie Filter Bed§ ...	1,700	6·06	153·9	117·0	20
	5	Réunion§	1,420	4·59	116·6	186·9	19
12	1	The Manse	850	3·65	92·7	84·1	21
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.)§...	1,000	4·23	105·8	106·9	28
	4	Alma§	1,460	8·59	281·2	297·4	18
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	5·29	136·4	...	18
	7	Trianon	950	4·29	109·0	134·9	14
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	1·54	39·1	...	13
	10	Bon Air §	1,050	...	...	...	...
	11	Val Ory§	1,100	3·41	86·6	125·5	25
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	...
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	...	...	...	...
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock ...	18	1·61	40·9	63·8	3

* Normals not available § Record not Received

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NEW SERIES (MONTHLY). VOL. X. 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 1924

M. HERCHENRODER

OFFICER IN CHARGE.

Published by Authority of His Excellency the Governor

PORT LOUIS
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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of MAY 1924

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)
	° ′			′		
MAY						
1	10·58·0	·22953	29956	3·9	33	14
2	57·8	57	54	5·4	23	22
3	57·9	58	57	4·8	23	17
4	57·7	44	56	4·4	21	16
5	58·1	49	56	3·6	24	15
6	59·5	67	56	4·4	34	18
7	59·5	60	51	4·1	37	18
8	59·9	53	49	6·5	27	16
9	59·7	64	47	7·0	37	21
10	...	...	48	...	...	15
11	...	...	50	...	...	11
12	...	...	49	...	...	16
13	59·8	73	52	3·7	29	09
14	60·0	75	51	4·8	20	15
15	59·9	77	49	5·0	17	18
16	60·4	65	47	3·7	44	21
17	60·2	52	48	4·3	27	13
18	59·8	50	47	3·8	16	24
19	59·6	65	49	5·8	28	18
20	59·4	67	47	3·2	25	14
21	59·4	61	47	3·7	84	15
22	58·8	00	54	7·8	139	25
23	...	09	57	...	82	17
24	58·9	16	51	5·2	34	12
25	59·5	21	49	2·9	25	13
26	59·5	21	48	3·2	26	10
27	59·7	35	45	4·2	30	19
28	59·2	03	50	4·7	49	10
29	59·7	28	46	2·4	45	13
30	59·3	25	43	3·5	26	17
31	59·9	39	42	3·2	44	21
Mean	10·59·30	·22946	29950	4·42	37·5	162

List of Magnetic disturbances.

The following notes give a brief description of abnormal magnetic movements. 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, +=an increase and −=a decrease of the Magnetic Element; ± denotes positive and negative movements of approximately equal extent.

MAY 1924.

9^d $0^h\frac{3}{4}$ Small wave in H. F. (+10 γ) with only partial return. $10\frac{1}{2}^h$ sudden increase in H. F. (+10 γ). At $11\frac{1}{2}^h$ (adjustment of instrument).

13^d From $3\frac{1}{2}^h$ wave in H. F. (+29 γ) with slow partial return.

16^d 17^h Sudden increase in H. F. (+9 γ) followed by small oscillations.

21^d at 10^h Sudden increase (+18 γ) in H. F. with continued slow increase to $11\frac{3}{4}^h$ (+15 γ) and small superposed vibrations. $12\frac{1}{2}^h$ to $13\frac{3}{4}^h$ regular sharp decrease in H.F.(−57 γ). No movement then is noted until $14\frac{1}{4}^h$, when a less sharp decrease again occurs till about 16^h (−40 γ). From 16^h to 22^d 0^h small waves throughout in H. F. with superposed oscillations resulting in a feeble increase. From 9^h small vibrations and oscillations throughout in V. F.

22^d $7\frac{1}{2}^h$ Sharp wave in Declination (+18′) followed by decrease to 9^h (−20′).

22^d 0^h to 3^h Superposed double wave on progressive increase in H. F. (+18 γ) followed by complete return at 5^h. 5^h to $7\frac{3}{4}^h$ positive wave (+17 γ). 8^h to $9\frac{3}{4}^h$ sharp peak wave (+23 γ). The return is followed by a continued regular decrease to 15^h. At $12\frac{1}{2}^h$ to $13\frac{1}{2}^h$ small sharp waves superposed on the general movement in H. F. 15^h to $20\frac{1}{4}^h$ small waves throughout in H. F. with resultant decrease (−17 γ). $22\frac{1}{4}^h$ to $23\frac{1}{2}^h$ wave in H. F. (+14 γ) followed by irregular increase to 23^d $4\frac{3}{4}^h$ (+100 γ). 22^d 0^h to 14^h small vibrations throughout in V. F. at $12\frac{1}{2}$ wave in V. F. (+8γ). From 22^d 16^h to 23^d $4\frac{1}{4}^h$ slow decrease in V.F. and complete return with small superposed oscillations.

23^d $19\frac{1}{2}^h$ to $22\frac{1}{4}^h$ Wave in Declination (−23′) followed by irregular decrease to 24^d 4^h (−67′).

23^d 8^h to 11^h Slow decrease (−30 γ) in H. F. $20\frac{1}{4}^h$ truncated wave (+26 γ) in H. F.

23^d 20^h to 23^h Small waves in V. F.

24^d 0^h to 8^h Small waves throughout in H. F.

26^d 23^h Sudden increase in H. F. (+10 γ).

27^d $12\frac{1}{2}^h$ to $14\frac{3}{4}^h$ Slow irregular negative movement in H. F. (−27 γ).

28^d $6\frac{1}{4}^h$ Wave in H. F. sharp at end (+12 γ). $12\frac{1}{4}^h$ to 19^h slow decrease (−34 γ).

T=·37731 : Mean Dip.=θ=52°.32′·61 (X=·22525 : Y=−·04377 : Z=·29950).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of MAY 1924.

Declination (West).		Horizontal Force (C.G.S. Unit)		Dip (South). A. M. Observations.		Resulting Vertical Force. C. G. S. Units.	Dip (South). 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 9·10·11	11· 2·56	MAY 9·10·46	·22976	MAY 9·10·31	52.30·62	·29928	MAY ...	...	...
12·13·36	11· 0·86	12·12·13	·22971	...	...	...	12·13·19	52·29·27	·29940
14· 9·47	11· 2·98	14·10·33	·22974	14· 9·38	52.30.91	·29969	14·13·49	52·30·50	·29947
13·59	11· 0·20	·13·22	·22974	22· 9·08	52·32·28	·29966	...	...	...
22· 8·32	10·57·38	23·11·00	·22916	26·10·16	52·31·91	·29923	26·13·50	52·32·78	·29923
·13·25	10·55·21	·13·31	·22904	30· 9·47	52·30·78	·29903			
30· 9·17	10·59·60	30·10·59	.22931						
		·13·19	·22947						

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

MAY 1924.

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

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d. *	23d. *	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour. \ Day.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	60·3	60·1	59·5	59·2	58·7	59·2	60·9	61·2	60·0	60·0	59·5	60·3	60·7	60·1	60·1	59.4	Midnight
1h	60·7	60·2	59·3	59·3	58·7	58·8	60·4	59·3	59·8	59·7	59·3	60·2	60·5	60·0	60·1	59·3	1h
2	61·0	60·2	59·7	59·3	58·8	59·0	58·6	58·7	59·0	59·5	59·3	60·1	60·3	59·9	59·8	59·3	2
3	61·0	60·3	59·8	59·5	59·0	59·1	56·9	58·0	58·7	60·0	58·5	59·9	60·3	59·9	59·5	59·3	3
4	60·9	60·3	59·9	59·3	59·5	59·3	55·2	56·0	59·3	59·7	59·2	60·1	60·0	59·8	59·7	59·2	4
5	60·8	60·3	59·7	59·2	59·5	59·8	55·2	57·7	59·5	59·8	59·5	60·7	59·8	59·8	60·0	59·3	5
6	60·2	59·5	59·3	59·0	59·5	60·3	...	57·3	59·3	59·8	59·3	60·8	59·5	59·8	59·8	59·2	6
7	59·0	59·3	58·3	59·8	58·7	59·9	...	57·8	57·8	59·0	59·0	59·0	58·3	59·0	58·7	58.6	7
8	60·0	59·8	59·0	57·8	59·0	60·0	...	58·5	58·1	59·3	59·7	58·0	58·7	59·1	59·5	59·1	8
9	61·0	60·7	60·8	59·2	60·0	58·0	...	59·0	59·5	60·0	61·0	57·5	59·2	59·5	61·3	60·4	9
10	62·2	61·0	61·0	60·5	60·3	58·7	...	59·8	60·7	60·5	62·5	58·5	60·3	59·1	61·7	61·0	10
11	61·5	61·3	62·3	60·7	59·5	57·6	...	59·9	60·5	59·9	61·3	58·7	60·0	58·7	61·5	60·5	11
Noon	61·3	59·9	61·5	61·0	59·2	56·5	...	59·3	60·2	59·8	60·5	57·9	59·5	58·0	60·5	59·6	Noon
13h	59·5	59·5	60·3	58·9	57·0	55·2	58·0	58·7	59·5	59·3	59·5	57·0	59·1	57·5	59·0	58·7	13h
14	58·3	58·7	58·0	59·0	58·5	54·9	57·7	58·0	58·7	58·5	58·7	56·8	59·0	56·8	58·5	58·1	14
15	57·9	57·5	56·5	58·7	59·3	54·3	58·2	57·5	58·3	57·3	58·5	57·3	59·0	58·0	58·5	57·5	15
16	58·0	57·9	57·5	58·3	58·7	56·1	58·5	57·8	58·5	57·5	58·3	57·8	58·7	58·2	59·0	57·6	16
17	59·2	58·7	59·0	59·2	60·5	57·8	59·3	59·3	59·3	58·7	58·7	58·1	59·3	59·0	60·1	58·7	17
18	60·1	59·7	60·0	60·1	60·7	59·5	60·7	60·1	60·2	59·9	59·5	59·1	60·0	59·7	60·2	59·6	18
19	60·2	60·0	60·2	60·0	60·5	60·4	61·3	60·2	60·3	60·3	60·0	60·1	60·5	60·3	60·2	59·8	19
20	60·3	59·8	60·0	59·7	60·2	61·2	61·5	60·3	60·5	60·5	60·5	60·5	60·5	60·1	60·0	59·9	20
21	60·3	59·9	59·8	59·5	60·0	61·7	62·0	60·4	60·3	60·3	60·2	61·5	60·5	60·0	60·0	59·8	21
22	60·0	59·9	59·5	59·3	60·0	62·1	61·0	60·2	60·2	60·2	60·3	61·0	60·2	59·8	59·7	59·7	22
23	60·1	59·8	59·5	59·1	59·5	61·2	60·9	60·0	60·1	59·8	60·1	60·7	60·1	59·8	59·8	59·5	23

* Adjustments.

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 1924.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d. *	11d. *	12d. *	13d.	14d.	15d.	16d.	Day. / Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	050	052	057	051	048	049	051	040	042	067	...	...	064	076	073	076	Midnight
1h	050	053	058	052	049	052	052	045	050	070	...	...	064	076	073	073	1h
2	051	053	057	053	050	059	058	049	054	070	...	...	067	076	073	073	2
3	054	056	058	052	050	061	059	049	062	070	...	...	064	076	073	073	3
4	057	056	057	051	051	063	059	050	060	073	...	...	087	076	073	073	4
5	057	057	058	051	051	067	059	052	059	073	...	...	079	079	070	076	5
6	056	056	059	050	053	069	059	053	060	076	...	...	079	079	073	079	6
7	059	059	062	048	054	071	060	059	059	079	..	...	085	087	076	082	7
8	062	062	063	047	058	074	060	061	057	076	...	...	090	085	079	079	8
9	067	068	067	044	059	079	070	061	061	073	...	...	087	076	076	070	9
10	067	070	070	043	060	083	073	062	056	067	...	...	079	090	073	067	10
11	068	071	073	045	061	082	079	067	069	064	...	076	076	096	079	064	11
Noon	069	070	069	044	059	081	080	065	068	073	...	082	067	070	087	063	Noon
13h	060	056	064	040	060	078	074	057	070	070	...	085	067	070	085	062	13h
14	050	048	060	036	048	077	078	053	073	079	...	087	061	073	085	061	14
15	039	048	055	033	040	070	071	052	079	076	...	085	070	070	082	064	15
16	036	049	050	032	038	067	062	049	079	076	...	082	070	070	079	058	16
17	042	050	051	034	037	065	055	053	073	073	...	079	070	067	076	058	17
18	043	052	054	038	039	064	051	057	070	...	...	073	070	070	073	061	18
19	043	055	052	042	039	063	049	053	064	...	...	061	067	070	079	068	19
20	045	055	051	044	042	059	045	051	064	..	...	067	067	070	076	057	20
21	045	056	049	044	043	057	043	047	067	...	...	061	070	070	076	058	21
22	047	057	049	045	043	054	044	046	067	...	...	067	067	070	079	047	22
23	049	057	050	045	047	053	043	045	064	...	...	067	067	067	079	038	23

Hour. / Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	041	045	054	064	061	047	—043	—005	015	007	028	024	001	027	015	039·6	Midnight
1h	045	047	052	067	064	059	—026	—005	011	010	028	025	004	031	021	042·1	1h
2	044	047	054	068	066	060	—009	007	011	014	028	024	008	025	028	044·6	2
3	044	048	055	068	068	063	011	006	015	014	031	020	011	025	034	046·4	3
4	047	051	054	068	068	052	019	019	018	017	031	020	015	026	035	048·3	4
5	047	052	057	068	069	048	036	017	021	018	034	019	020	027	036	049·4	5
6	051	054	057	071	069	063	031	016	025	020	034	018	022	027	038	050·8	6
7	058	057	061	071	072	060	030	019	030	019	039	027	031	029	046	053·9	7
8	064	057	067	073	074	050	039	023	027	025	044	016	035	029	050	055·4	8
9	068	055	071	078	075	068	031	026	033	033	046	019	035	028	051	057·2	9
10	068	057	074	082	095	052	023	025	036	031	047	014	041	035	052	058·0	10
11	067	057	071	083	109	010	008	026	034	033	054	008	046	034	059	058·2	11
Noon	068	054	073	081	108	—004	011	029	031	033	050	008	042	030	049	055·5	Noon
13h	058	047	074	076	081	—031	011	026	028	025	032	—003	046	029	043	049·5	13h
14	050	047	080	071	058	—041	004	016	022	023	026	—014	042	038	038	045·1	14
15	048	044	075	061	032	—051	002	007	012	022	024	—018	032	035	035	040·5	15
16	047	041	068	059	025	—048	006	003	012	020	030	—018	032	022	037	038·4	16
17	045	042	064	058	037	—054	001	009	015	021	031	—019	030	019	037	038·1	17
18	047	047	067	060	032	—056	002	015	019	023	035	—020	029	019	037	039·2	18
19	048	048	067	058	035	—055	004	016	020	021	032	—022	028	019	035	039·2	19
20	047	047	066	058	030	—071	—008	017	020	018	034	—020	026	015	035	037·1	20
21	047	047	059	058	040	—064	015	017	020	018	034	—014	028	013	037	038·6	21
22	047	051	061	058	050	—061	—008	016	019	017	033	—004	029	014	037	038·4	22
23	048	052	063	059	048	—047	—001	016	015	018	031	000	031	012	040	038·9	23

* Adjustments.

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 1924.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	056	058	056	056	057	058	055	052	050	051	051	052	051	052	051	050	Midnight
1h	055	057	055	056	056	056	054	051	050	051	051	052	051	052	051	050	1h
2	055	057	055	055	055	054	053	050	050	050	051	052	051	052	051	050	2
3	055	057	055	055	055	054	053	050	050	050	050	052	052	052	051	050	3
4	055	058	056	055	055	054	053	050	050	050	050	051	052	052	051	051	4
5	055	059	057	055	055	055	053	050	050	050	050	051	051	052	051	051	5
6	056	059	057	057	055	055	053	050	050	050	050	051	051	052	051	052	6
7	054	059	057	058	058	055	052	050	051	050	050	060	048	051	051	052	7
8	059	061	062	062	061	060	052	053	054	051	052	051	051	053	054	052	8
9	062	061	067	064	061	062	060	056	055	052	055	056	054	057	055	053	9
10	062	052	068	063	061	062	058	055	052	050	053	054	057	059	054	055	10
11	053	042	058	055	055	067	052	050	043	043	048	046	054	051	050	043	11
Noon	048	039	054	050	054	053	049	047	034	037	044	041	053	049	043	038	Noon
13h	050	042	052	048	053	051	045	045	035	039	044	040	053	046	042	035	13h
14	051	046	053	049	050	049	042	041	037	041	044	041	051	044	039	034	14
15	052	043	051	049	046	050	042	040	038	042	046	041	051	045	037	036	15
16	053	047	052	051	049	050	046	042	040	043	050	042	051	049	040	041	16
17	056	052	057	054	052	054	050	048	047	047	052	047	052	052	047	047	17
18	059	056	059	058	056	056	051	050	050	050	053	050	053	053	050	049	18
19	059	057	058	058	057	056	052	050	050	051	053	050	053	052	050	050	19
20	059	057	058	058	058	057	052	051	051	051	052	050	053	051	050	050	20
21	059	058	059	057	058	058	052	051	051	051	053	051	052	051	050	050	21
22	059	057	059	057	058	058	053	052	051	051	053	051	052	051	050	050	22
23	059	056	058	057	058	058	053	051	051	051	053	051	052	051	050	050	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	050	050	050	050	049	050	069	055	051	050	048	048	050	045	046	052·2	Midnight
1h	049	049	049	049	048	049	067	053	052	050	049	048	049	044	045	051·6	1h
2	049	049	049	049	047	048	063	053	051	050	049	048	049	045	044	051·1	2
3	050	049	049	049	047	046	061	051	051	050	049	049	050	045	045	051·0	3
4	050	050	049	049	047	047	052	050	051	050	049	050	050	046	045	050·9	4
5	050	050	050	049	047	047	054	051	050	050	049	050	050	046	046	051·1	5
6	050	050	050	050	047	048	055	051	050	049	049	050	050	046	047	051·3	6
7	050	050	050	047	046	045	053	051	049	049	049	047	048	044	044	050·9	7
8	051	051	053	050	050	047	054	052	051	049	050	047	048	043	046	052·6	8
9	051	055	057	053	052	049	055	053	054	049	051	051	047	043	050	054·8	9
10	049	052	055	052	052	051	059	053	053	047	050	054	043	043	048	054·1	10
11	043	046	051	044	046	049	058	048	049	044	044	051	039	040	042	048·5	11
Noon	041	040	046	041	042	051	058	043	046	043	039	050	037	036	038	044·6	Noon
13h	040	035	045	040	037	049	059	043	043	043	032	048	038	032	031	043·1	13h
14	038	032	043	040	038	045	058	044	043	042	032	044	038	031	030	042·3	14
15	038	031	039	039	040	050	057	048	041	041	033	045	040	034	029	042·4	15
16	041	037	042	039	045	055	056	050	045	044	036	047	042	040	033	045·1	16
17	049	044	050	043	048	061	056	053	049	049	042	051	047	043	041	049·7	17
18	051	050	051	047	050	063	058	053	050	051	047	054	048	047	043	052·1	18
19	051	051	051	049	051	066	058	053	050	050	048	054	048	048	044	052·5	19
20	051	051	051	050	052	067	057	053	050	050	048	054	048	047	045	052·6	20
21	051	051	051	050	052	070	057	053	050	050	048	054	048	046	045	052·8	21
22	051	051	051	050	051	069	056	053	050	050	048	052	047	046	043	052·6	22
23	051	051	051	050	052	069	058	053	050	050	048	051	046	046	042	052·5	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of MAY 1924.

Month and Day 1924	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.)
MAY	mbs.	mbs.	°	°	°	°	°	°	°	°			mbs.	°	mm.	min.	mm.	
1	1007·7	− 0·9	26·5	21·3	5·2	23·5	+ 0·2	2·2	19·7	+ 0·5	79	0	22·7	18·7	0·0	...	3·7	6·2
2	1008·0	− 0·7	27·1	22·7	4·4	24·6	+ 1·4	1·3	22·4	+ 3·2	88	+ 9	26·8	19·8	0·0	...	4·0	6·6
3	1009·4	+ 0·6	27·0	22·3	4·7	24·4	+ 1·3	1·8	21·3	+ 2·2	83	+ 5	25·1	20·5	0·0	...	3·5	4·5
4	1009·6	+ 0·7	25·9	22·1	3·8	23·4	+ 0·4	1.1	21·5	+ 2·5	89	+ 11	25·4	18·8	1·0	15	1·5	5·7
5	1009·8	+ 0·8	26·2	21·1	5·1	23·2	+ 0·2	1·7	20·2	+ 1·3	83	+ 5	23·4	18·6	0·0	...	4·0	4·3
6	1009·8	+ 0·7	25·9	19·0	6·9	22·6	− 0·3	2·3	18·6	− 0·2	78	0	21·2	11·7	0·0	...	5·1	5·0
7	1009·8	+ 0·7	25·7	18·6	7·1	21·5	− 1·3	2·6	16·9	− 1·9	75	− 3	19·0	13·3	0·0	...	4·8	3·6
8	1009·7	+ 0·5	25·4	15·9	9·5	21·1	− 1·7	2·7	16·3	− 2·4	74	− 4	18·4	10·7	0·0	...	4·5	3·5
9	1009·4	+ 0·1	25·7	20·7	5·0	22·9	+ 0·2	2·0	19·4	+ 0·8	81	+ 3	22·3	15·9	1·0	45	1·5	7·0
10	1009·5	+ 0·1	25·8	21·4	4·4	23·2	+ 0·6	1·7	20·2	+ 1·6	83	+ 5	23.4	19·9	6·3	140	6·3	8·0
11	1009·8	+ 0·3	25·5	21·6	3·9	22·8	+ 0·2	2·5	18·3	− 0·2	76	− 2	20·8	18·0	0·0	...	3·8	6·4
12	1010·0	+ 0·5	23·5	20·0	3·5	21·7	− 0·7	1·5	19·1	+ 0·7	85	+ 7	21·9	18·5	8·5	100	1·5	7·6
13	1011·4	+ 1·8	25·9	20·7	5·2	22·8	+ 0·4	2·1	19·2	+ 0·8	80	+ 2	22·0	17·5	1·0	5	5.0	3·0
14	1011·4	+ 1·7	25·6	20·1	5·5	22·6	+ 0·3	2·5	18·3	0·0	77	− 1	20·8	15·9	0·0	...	4·7	5·6
15	1009·4	− 0·4	26·1	20·9	5·2	22·7	+ 0·4	2·4	18·5	+ 0·3	77	− 1	21·1	18·1	0·7	10	4·4	5·4
16	1008·5	− 1·4	26·1	21·7	4·4	23·5	+ 1·3	2·1	19·9	+ 1·7	80	+ 2	23·0	19·1	0·8	30	4·2	7·3
17	1008·3	− 1·6	25·0	22·0	3·0	23·1	+ 1·0	0·7	21·9	+ 3·8	93	+ 15	26·0	21·2	53·8	520	1·0	9·9
18	1007·6	− 2·4	24·3	21·2	3·1	22·6	+ 0·5	1·4	20·2	+ 2·2	86	+ 8	23·4	20·1	19·2	200	1·5	10.0
19	1006·4	− 3·7	25·3	21·2	4·1	23·3	+ 1·3	1·4	20·9	+ 3·0	87	+ 9	24·5	20·1	0·4	5	2·4	10·0
20	1006·5	− 3·7	25·8	22·6	3·2	24·0	+ 2·0	1·5	21·4	+ 3·5	86	+ 8	25·2	20·5	0·2	5	3·6	9·3
21	1007·5	− 2·8	26·1	22·5	3·6	23·9	+ 2·0	1·5	21·3	+ 3·5	85	+ 8	25·1	20·1	0·0	...	2·4	7·9
22	1007·7	− 2·6	26·1	22·3	3·8	23·7	+ 1·8	1·5	21·1	+ 3·4	86	+ 9	24·8	18·8	0·0	...	2·5	6.7
23	1008·6	− 1·8	25·9	21·1	4·8	22·9	+ 1·1	1·2	20·8	+ 3·1	88	+ 11	24·3	18·2	0·6	30	1·1	8·8
24	1010·3	− 0·2	26·1	21·2	4·9	23·0	+ 1·3	2·5	18.7	+ 1·1	77	0	21·4	18·7	0·0	...	3·5	6·0
25	1010·1	− 0·5	25·9	19·2	6·7	22·3	+ 0·6	1·7	19·3	+ 1·7	83	+ 6	22·2	15·4	0·0	...	4·0	4·3
26	1010·5	− 0·2	26·1	18·1	8·0	22·0	+ 0·4	1·6	19·2	+ 1·7	84	+ 7	22·0	13·8	0·0	...	3·3	3·7
27	1011·2	+ 0·4	26·1	18·1	8·0	21·6	0·0	2·1	17·9	+ 0·5	80	+ 3	20·3	14·1	0·0	...	3·6	5·4
28	1011·3	+ 0·4	25·1	16·5	8·6	20·7	− 0·8	3·1	15·2	− 2·1	71	− 6	17·1	12·4	0·0	...	3·4	4·3
29	1013·3	+ 2·3	24·9	17·0	7·9	20·4	− 1·1	3·1	14·9	− 2·4	71	− 6	16·8	11·8	0·0	...	3·8	6·3
30	1011·6	+ 0·6	24·0	16·6	7·4	20·3	− 1·1	3·1	14·8	− 2·4	71	− 6	16·7	11·3	0·0	...	5·0	3·3
31	1015·5	+ 4·4	23·9	16·6	7·3	19·7	− 1·7	3·2	14·0	− 3·1	70	− 7	15·8	11·7	0 5	10	5·0	5·7
Mean	1009·7	− 0·2	25·6	20·2	5·4	22·6	+ 0·3	2·0	19·1	+ 0·9	80·8	+ 3·1	22.0	16·9	94·0	1115	3·5	6·2
Aver.	1009·9	...	26·1	19·0	7·1	22·3	...	2·4	18·2	...	77·7	...	20·7	18·7	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 1924.

From the 1st of the month pressure recovered to about normal and kept steady to the 12th. During the first week of this period a progressive fall of temperature and humidity was noted together with increasing Southerly component of the trades. From this date, a marked increase in wind velocity was observed with rise of temperature and humidity.

From the 14th to the 20th pressure steadily dropped and the recovery was slow; this was a very wet period and the humidity kept in excess until the 27th.

Temperature was also well in excess of normal throughout this period.

From the 26th, the conditions relating to temperature, humidity and wind direction, of the beginning of the month were more or less re-established.

Rainfall at the observatory, was slightly in excess of normal; the percentage variation for the other districts of the Island, was as follows:

Northern Districts	River System 1,	12 %	above
Eastern Districts	,, ,, 2, 3, 4,	3 %	,,
South-Eastern Districts	,, ,, 5 & 6	10 %	,,
Western Districts	River System 11	58%	above
	,, ,, 12	33%	,,
	,, ,, 13	No record	

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of MAY 1924

Month and Day 1924.	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	inches	Weather
MAY	hrs.	%	m.p.s.	m.p.s.	°	m.p.s.	m.p.s	m.p.s	°	°	°	°	°	°	°	
1	3·2	28	+ 2·5	+ 1·4	28	2·8	2·9	− 0·4	25·7	26·6	26·0	25·5	...	24·8	24·8	c.f . : f. c. : f ..
2	6·1	54	+ 1·2	+ 2·6	65	2·8	3·0	− 0·3	25·7	26·6	26·0	25·5	...	25·4	25·5	c. o. . :c.f . : f .
3	9·1	81	+ 1·6	+ 3·0	62	3·4	3·4	+ 0·1	25·7	26·5	26·0	25·9	...	25·6	25·7	f. . c. : f. .
4	4·6	41	− 2·1	+ 3·0	55	3·6	3·7	+ 0·4	25·8	26·4	26·1	26·0	...	25·6	25·5	f. : o.d. : f. .
5	8·7	77	− 2·5	+ 3·1	51	4·0	4·0	+ 0·7	25·8	26·4	26·1	25·9	...	25·1	24·9	f. : c. : f. .
6	9·4	83	− 1·6	+ 2·7	59	3·1	3·3	0·0	25·7	26·3	26·1	25·7	...	24·5	24·7	f. : c. : f. .
7	6·7	60	− 1·9	+ 2·6	54	3·2	3·3	0·0	25·7	26·3	26·1	25·5	...	24·3	23·8	f. : c. f. f. .
8	9·5	85	− 2·5	+ 2·1	40	3·2	3·3	0·0	25·7	26·2	26·0	25·1	...	23·9	23·5	f. : c.: f. .
9	5·3	47	− 3·5	+ 4·5	52	5·7	5·8	+ 2·5	25·7	26·2	25·8	25·0	...	24·0	23·7	f. : o.q. o.g. p.
10	5·3	47	− 2·0	+ 5·6	70	5·9	6·1	+ 2·8	25·7	26·2	25·7	25·0	...	24·1	23·9	o. g.q.r. : c. f. .
11	4·4	39	− 1·2	+ 3·8	72	4·0	4·1	+ 0·8	25·8	26·1	25·7	25·0	...	24·1	23·8	f. : c. o. .
12	1·9	17	− 1·8	+ 4·3	67	4·6	4·7	+ 1·4	25·8	26·1	25·6	24·8	...	23·9	23·3	o.p: o. : c.f. .
13	9·9	88	− 2·4	+ 3·3	54	4·1	4·2	+ 0·9	25·8	26·1	25·5	24·7	...	23·6	23·5	f. : c.f. f. .
14	8·5	76	− 2·6	+ 3·1	50	4·0	4·1	+ 0·8	25·8	26·1	25·5	24·8	...	23·8	23·6	f. : c. c.f. .
15	7·2	65	− 2·5	+ 3·7	56	4·4	4·6	+ 1·3	25·8	26·1	25·4	24·8	...	23·9	23·8	f. : c. f. .
16	7·8	70	− 2·8	+ 4·2	56	5·0	5·1	+ 1·8	25·8	26·1	25·4	24·7	...	23·9	24·0	c.f . : o. d . .
17	0·3	3	− 1·4	+ 4·3	72	4·5	4·7	+ 1·4	25·8	26·1	25·4	24·8	...	24·4	24·3	o.g.q. r. .
18	0·0	0	− 3·8	+ 5·2	55	6·4	6·5	+ 3·2	25·7	25·9	25·3	24·7	...	23·9	23·6	o.g .r. o.g. q . . o. .
19	0·3	3	− 1·3	+ 5·2	76	5·3	5·6	+ 2·3	25·7	26·1	25·3	24·6	...	23·6	23·6	o.q . .
20	4·3	39	− 0·1	+ 3·4	88	3·4	3·5	+ 0·2	25·7	26·1	25·3	24·7	...	24·2	24·5	o. .
21	5·9	53	+ 0·7	+ 2·5	106	2·6	2·7	− 0·6	25·7	26·0	25·3	25·0	...	24·6	24·7	o. .
22	4·0	36	+ 0·8	+ 2·3	109	2·4	2·5	− 0·9	25·7	26·1	25·3	25·1	...	24·7	24·9	c .d: o. : c.f . .
23	0·1	1	− 0·6	+ 0·8	49	0·9	1·6	− 1·8	25·7	26·1	25·4	25·3	...	24·8	25·0	o. p.: c.f .
24	3·6	33	− 2·8	+ 1·7	31	3·3	3·3	− 0·1	25·7	26·4	25·5	25·4	...	24·7	24·7	o. : f. c.f .
25	5·8	53	− 0·4	+ 1·7	77	1·7	1·9	− 1·5	25·7	26·0	25·5	25·1	...	24·6	24·5	f. : c.f . f. .
26	9·8	89	− 0·4	+ 1·2	72	1·2	1·5	− 1·9	25·7	25·9	25·5	25·2	...	24·4	24·5	f. : c .f. .
27	6·0	55	− 1·9	+ 1·0	28	2·1	2·4	− 1·0	25·7	25·9	25·5	25·1	...	24·3	24·2	f. : c : f.: c. : f. .
28	8·2	75	− 2·1	+ 1·5	36	2·6	2·7	− 0·7	25·7	25·8	25·1	24·7	...	23·8	23·5	f. : c. f. .
29	4·4	40	− 2·0	+ 0·7	19	2·1	2·2	− 1·2	25·7	25·9	25·3	24·4	...	23·7	23·4	c. : f. .
30	9·4	85	− 3·3	+ 2·6	38	4·2	4·3	+ 0·9	25·7	25·9	25·2	24·0	...	23·2	22·8	c. :c.f .q . : f .
31	6·0	55	− 2·8	+ 2·0	3·6	3·4	3·5	+ 0·1	25·7	25·8	25·0	23·7	...	22·6	22·0	f. : c. f. .
Mean	5·67	50·9	− 1·81	+ 2·88	57·8	3·40	3·70	+ 0·37	25·73	26·14	25·57	25·52	...	24·27	24·14	...
Average	7·57	67·9	− 1·29	+ 2·52	62·9	2·83	3·33	...	25·54	26·34	...	...	...	24·53	24·40	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF MAY 1924.

Element	Highest			Date		Lowest			Date	
Atmospheric Pressure	1016·9 mbs	at	9h	on	31st	1014·7 mbs	at	15h & 16h	on	19th
Temperature of the Air	27·1°C	at	14h05m	on	2nd	15·9°C	at	5h00m	on	8th
Daily range of temperature of the Air...	9·5°C		...	on	8th	3·0°C		...	on	17th
Temperature of the Dew Point	23·8°C	at	8h	on	2nd	11·9°C	at	23h	on	30st
Daily range of temperature of the Dew Point	5·2°C		...	on	8th	0·9°C		...	on	20th
Relative humidity...	98·7%	at	5h	on	2nd	58·3%	at	13h	on	29th
Wind Velocity	9·5 m.p.s.	at	14h	on	18th	0·6 m.p.s.		often		...
Rainfall	67·3 mm.	ending	4h	on	18th	..		...		...
Temperature of the soil at 3 ins. ...	26·7°C	at	15h	on	3rd	20·7°C	at	9h	on	31st
,, ,, at 6 ins. ...	26·2°C	at	18h	on	3rd	22·2°C	at	9h	on	31st
Duration of sunshine...	9·9h		...	on	13th	0·0h		...	on	18th
Amount of Evaporation	6·3 mm.		...	on	10th	1·0 m.m.		...	on	17th
Vapour Tension	26·8 mbs		...	on	2nd	15·8 mbs		...	on	31st
Minimum on Grass	...		...		...	10·7°C		...	on	8th

Number of Days Overcast, 10, Clear 1, of Rain 13, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 23·84°C, Average 24·08°C, Mean Night Temperature of Air 21·32°C, Average 20·58°C.

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

† Thermometer broken.

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

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

MAY 1924.

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	0084	0081	0093	0098	0104	0105	0107	0105	0098	0098	0103	0097	0112	0125	0113	0097	Midnight
1h	0077	0077	0091	0096	0102	0103	0105	0103	0095	0094	0101	0095	0108	0122	0107	0093	1h
2	0075	0073	0088	0095	0098	0098	0102	0102	0094	0095	0099	0093	0107	0118	0102	0089	2
3	0067	0067	0086	0092	0095	0095	0097	0098	0091	0092	0096	0089	0105	0114	0097	0086	3
4	0065	0067	0085	0088	0095	0092	0096	0096	0092	0089	0094	0093	0105	0114	0095	0086	4
5	0066	0067	0086	0090	0094	0092	0095	0096	0092	0088	0094	0092	0106	0115	0094	0085	5
6	0072	0073	0093	0095	0098	0096	0097	0099	0095	0094	0096	0097	0113	0118	0096	0088	6
7	0078	0078	0094	0098	0103	0099	0102	0104	0098	0098	0104	0099	0118	0122	0099	0093	7
8	0084	0085	0099	0104	0106	0107	0106	0110	0100	0107	0107	0106	0124	0128	0104	0097	8
9	0088	0090	0104	0105	0107	0109	0109	0115	0106	0107	0111	0108	0127	0128	0105	0097	9
10	0088	0091	0106	0106	0108	0112	0108	0113	0106	0105	0110	0108	0126	0125	0105	0098	10
11	0085	0089	0104	0103	0104	0109	0105	0104	0097	0098	0098	0104	0120	0118	0096	0095	11
Noon	0079	0084	0099	0096	0097	0099	0098	0096	0090	0093	0095	0103	0114	0113	0089	0086	Noon
13h	0069	0073	0088	0088	0090	0093	0094	0091	0084	0088	0088	0095	0105	0105	0084	0076	13h
14	0064	0066	0084	0085	0087	0087	0086	0084	0082	0085	0085	0092	0102	0096	0077	0070	14
15	0063	0067	0083	0084	0088	0085	0085	0081	0082	0084	0086	0087	0098	0097	0075	0066	15
16	0064	0069	0084	0086	0088	0086	0084	0082	0083	0084	0086	0090	0101	0097	0076	0070	16
17	0067	0071	0086	0090	0090	0087	0087	0085	0086	0086	0088	0092	0105	0101	0082	0071	17
18	0076	0076	0092	0094	0093	0088	0089	0088	0090	0092	0095	0098	0112	0106	0087	0076	18
19	0078	0084	0095	0096	0097	0093	0092	0092	0092	0094	0096	0100	0117	0114	0092	0083	19
20	0086	0089	0102	0103	0100	0101	0098	0097	0098	0100	0103	0108	0123	0117	0097	0088	20
21	0089	0095	0104	0105	0105	0105	0103	0098	0098	0104	0103	0112	0125	0118	0099	0089	21
22	0087	0096	0104	0105	0107	0105	0105	0099	0097	0105	0103	0113	0127	0118	0101	0088	22
23	0086	0094	0103	0107	0106	0108	0105	0099	0097	0104	0102	0115	0127	0117	0098	0088	23

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

Hour \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day
Midnight	0086	0085	0085	0066	0076	0083	0086	0096	0103	0105	0115	0119	0115	0120	0159	1010·1	Midnight
1h	0083	0084	0075	0062	0073	0077	0085	0095	0101	0104	0112	0116	0113	0118	0157	1009·8	1h
2	0075	0075	0072	0058	0065	0073	0084	0095	0097	0102	0107	0115	0108	0116	0155	1009·4	2
3	0074	0069	0061	0056	0065	0068	0076	0095	0095	0097	0106	0112	0107	0114	0153	1009·1	3
4	0071	0067	0059	0057	0065	0065	0077	0097	0095	0095	0105	0110	0106	0114	0154	1009·0	4
5	0072	0065	0059	0058	0066	0067	0077	0098	0096	0096	0106	0113	0107	0117	0156	1009·1	5
6	0076	0069	0063	0059	0067	0073	0080	0103	0100	0099	0111	0116	0113	0119	0158	1009·4	6
7	0085	0074	0069	0064	0075	0075	0085	0109	0107	0106	0116	0123	0119	0127	0160	1009·9	7
8	0090	0078	0076	0073	0084	0084	0088	0113	0113	0110	0121	0126	0123	0134	0165	1010·5	8
9	0097	0091	0086	0077	0088	0086	0090	0116	0116	0115	0125	0128	0127	0142	0169	1010·9	9
10	0097	0090	0085	0077	0086	0089	0090	0115	0115	0112	0123	0125	0127	0146	0167	1010·8	10
11	0094	0091	0076	0073	0081	0085	0087	0109	0109	0107	0119	0118	0124	0142	0161	1010·3	11
Noon	0088	0083	0068	0068	0074	0076	0079	0104	0102	0099	0109	0108	0117	0134	0152	1009·7	Noon
13h	0077	0074	0058	0060	0066	0069	0077	0096	0093	0094	0100	0102	0107	0128	0144	1008·9	13h
14	0073	0066	0049	0056	0063	0066	0075	0092	0089	0090	0096	0097	0103	0126	0136	1008·4	14
15	0069	0065	0047	0055	0064	0064	0075	0093	0087	0089	0096	0096	0104	0125	0140	1008·3	15
16	0072	0065	0047	0056	0067	0066	0079	0095	0088	0094	0101	0098	0105	0126	0144	1008·5	16
17	0077	0068	0050	0059	0069	0069	0084	0097	0090	0100	0105	0103	0108	0134	0148	1008·8	17
18	0084	0070	0050	0062	0076	0077	0089	0101	0096	0106	0109	0108	0115	0138	0154	1009·3	18
19	0088	0071	0056	0068	0081	0084	0095	0105	0100	0111	0115	0111	0118	0145	0157	1009·7	19
20	0095	0076	0061	0074	0086	0089	0097	0109	0106	0116	0122	0116	0121	0149	0160	1010·3	20
21	0094	0085	0067	0077	0089	0091	0100	0110	0106	0120	0124	0117	0126	0155	0163	1010·6	21
22	0095	0080	0068	0077	0087	0091	0099	0108	0107	0119	0124	0116	0127	0159	0161	1010·6	22
23	0092	0083	0068	0076	0086	0089	0098	0106	0106	0118	0123	0116	0124	0159	0159	1010·5	23

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

Hour. \ Day.	MAY 1924.																															
	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	6	2	2	1	1	5	1	4	9	3	10	1	3	4	5	10	10	10	10	9	7	7	8	1	2	3	5	3	2	0	4·6
1h	2	7	2	2	2	1	6	1	4	9	2	10	1	3	3	5	8	10	10	10	9	6	9	8	1	1	2	6	8	3	0	4·9
2	6	9	2	2	2	1	3	1	4	7	3	10	1	2	5	7	9	10	10	10	8	6	9	9	1	1	6	2	10	5	1	5·2
3	5	10	1	3	2	2	2	1	3	9	3	10	1	1	4	8	10	10	10	10	8	6	9	10	1	1	9	0	9	9	1	5·4
4	6	10	2	4	2	3	2	2	3	7	2	10	1	2	4	4	10	10	10	10	8	7	10	10	2	0	8	0	10	4	3	5·4
5	7	10	3	5	2	5	3	2	5	9	3	10	1	3	4	3	10	10	10	10	8	8	9	10	3	0	6	1	10	5	5	5·8
6	8	9	4	5	2	9	3	3	7	10	3	10	2	8	5	4	10	10	10	10	8	10	9	10	3	1	2	1	9	7	5	6·4
7	8	9	4	6	3	9	4	3	7	9	5	9	2	7	5	4	10	10	10	10	9	10	9	8	4	1	2	2	9	6	4	6·4
8	5	9	5	8	7	8	6	2	7	10	6	9	3	7	5	5	10	10	10	10	8	10	9	6	5	3	3	1	8	6	8	6·7
9	2	9	7	9	7	7	5	1	9	10	8	9	4	7	6	8	10	10	10	9	8	9	10	5	7	4	5	1	9	6	9	7·1
10	3	8	8	9	6	6	6	3	10	10	7	9	3	7	8	8	10	10	10	9	8	9	9	4	8	5	6	3	10	5	9	7·3
11	9	8	9	10	6	7	7	4	9	10	7	8	4	7	7	7	10	10	10	9	8	9	10	4	8	7	7	5	9	6	7	7·7
Noon	9	8	8	10	6	7	7	5	9	9	7	10	5	6	6	7	10	10	10	9	8	9	9	2	7	6	7	4	8	3	6	7·3
13h	9	7	9	8	7	7	6	6	8	9	7	9	6	6	7	7	10	10	10	9	8	9	10	2	7	5	8	5	6	3	4	7·2
14	9	7	8	9	7	7	5	5	7	9	7	10	7	6	7	6	10	10	10	9	7	8	10	1	7	5	8	6	7	3	5	7·2
15	8	8	7	9	9	7	6	6	7	9	7	9	7	7	8	6	10	10	10	9	7	7	10	3	6	2	8	6	6	2	7	7·2
16	8	6	5	9	8	5	5	7	8	9	7	7	6	6	8	10	10	10	10	9	7	6	10	5	6	6	9	7	5	2	6	7·2
17	7	5	4	9	6	4	3	8	9	8	8	6	5	5	7	10	10	10	10	9	8	5	10	6	5	8	8	8	4	1	5	6·8
18	8	3	4	8	3	3	2	8	8	8	9	4	4	4	7	10	10	10	10	9	8	3	10	8	5	9	8	9	3	1	5	6·5
19	7	3	4	5	3	3	2	6	5	6	10	5	2	7	6	9	10	10	10	9	7	3	8	7	4	8	4	8	3	1	7	5·9
20	6	2	3	2	4	3	1	3	9	6	10	4	1	8	5	9	10	10	10	9	8	2	7	7	4	7	2	8	2	0	10	5·5
21	6	2	3	1	4	4	0	1	7	5	9	4	1	9	2	10	10	10	10	9	8	3	5	6	3	5	0	9	2	0	9	5·1
22	4	3	2	1	2	4	0	2	8	4	9	3	1	7	3	10	10	10	10	9	8	3	6	5	2	2	4	2	1	0	9	4.6
23	5	2	2	1	2	5	0	3	8	3	9	2	2	5	4	10	10	9	10	9	7	5	8	2	3	1	3	5	1	0	8	4·6

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

Hour* Ending \ Day.	MAY 1924.																															
	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	2	1	0	0	0	0	0	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	12	5	2	0	0	0	0.5
8	30	30	58	7	58	35	5	58	58	0	0	4	60	0	27	50	0	0	1	0	27	0	0	30	8	50	55	48	0	52	30	13·0
9	60	0	60	18	55	55	59	60	18	2	15	8	60	28	50	55	0	0	0	30	16	26	6	2	25	60	60	60	0	55	2	15·7
10	60	48	48	46	60	58	22	60	2	10	17	6	60	60	50	30	2	0	0	55	50	16	0	15	12	60	60	60	0	55	10	17·2
11	15	49	32	42	60	60	45	60	38	50	10	8	60	60	55	55	3	0	4	30	50	14	0	60	10	60	23	52	0	55	23	18·1
Noon	0	35	60	45	55	60	5	60	40	45	50	2	60	60	60	47	2	0	0	35	17	6	0	60	12	60	19	45	12	55	60	17·8
13h	10	10	55	50	60	60	30	60	47	58	45	0	60	60	45	60	13	0	3	30	48	50	0	37	55	60	16	50	42	60	60	20·6
14	5	42	50	15	60	60	60	60	45	42	50	25	60	60	45	55	0	0	7	50	50	15	0	10	60	60	27	37	50	60	60	20·3
15	8	43	60	25	30	60	60	52	43	45	52	2	60	60	55	45	0	0	2	28	50	22	0	0	60	60	48	46	48	60	52	19·6
16	0	50	58	17	42	60	60	50	28	36	28	48	60	60	36	55	0	0	0	0	17	60	0	0	60	60	50	52	60	60	25	18·9
17	0	58	60	10	40	57	55	44	0	33	0	10	48	60	8	14	0	0	0	0	28	30	0	0	45	44	0	40	52	52	40	13·8
18	0	2	5	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·2
19																																...

The total amount of registered sunshine was 175·7 hours and the total possible sunshine 345·1 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

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.	Hour. \ Day.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	22·1	2·1	22·7	1·3	23·5	0·5	22·4	1·1	22·1	0·9	21.9	1·4	19·0	1·7	18·2	0·7	Midnight
1h	21·8	1·8	23·0	1·0	23·4	0·5	22·5	1·1	21·9	0·8	21·8	1·3	18·7	1·7	18·2	1·0	1
2	21·7	1·7	23·1	0·9	23·1	0·3	22·9	1·0	21·6	0·8	21·9	1·6	19·8	1·8	17·9	0·9	2
3	21·6	1·6	23·1	0·6	23·0	0·5	23·0	1·0	21·3	1·0	21·7	1·5	19·0	1·5	18·0	1·0	3
4	21·6	1·6	23·1	0·4	22·9	0·3	22·9	1·0	21·4	0·8	21·4	1·3	18·8	1·7	16·3	1·0	4
5	21·3	1·4	23·2	0·2	23·0	0·6	22·3	0·6	21·7	0·9	21·3	1·3	18·6	1·5	15·9	0·9	5
6	21·5	1·5	23·4	0·4	22·9	0·7	22·4	1·0	21·6	0·9	21·3	1·2	18·6	1·4	16·0	1·0	6
7	22·2	1·5	24·1	0·5	22·9	1·0	22·5	1·1	22·0	0·5	22·1	1·1	19·0	0·7	17·7	2·3	7
8	24·0	2·1	24·3	0·3	24·2	1·6	23·6	1·8	24·0	1·6	23·7	1·9	21·8	1·3	22·0	5·0	8
9	25·3	3·2	25·7	1·4	25·3	2·6	24·5	2·4	24·5	2·3	24·8	3·1	23·7	3·5	23·0	5·0	9
10	25·6	3·4	26·3	1·5	26·0	3·5	25·2	2·5	25·4	2·9	25·2	3·4	24·2	3·2	23·6	4·6	10
11	26·0	3·5	26·2	1·7	25·9	2·9	24·4	1·0	25·5	2·6	25·4	3·7	24·5	4·0	24·1	4·2	11
Noon	25·9	3·3	26·6	2·4	27·0	3·7	25·5	1·3	26·0	3·0	25·5	4·0	24·9	4·3	24·3	4·3	Noon
13h	26·2	3·5	26·9	2·3	26·9	3·6	25·2	1·6	26·0	3·5	25·4	4·2	25·3	4·3	24·9	4.8	13h
14	26·5	3·8	27·0	2·2	26·9	3·5	24·1	0·6	24·5	2·0	25·0	3·6	25·5	4·8	25·0	4.5	14
15	25·8	3·4	26·3	2·3	26·5	3·4	24·6	1·3	24·0	2·0	24·8	3·6	24·9	4·9	23·6	3·0	15
16	24·9	3·0	26·0	2·1	26·0	3·1	24·2	1·0	23·9	2·0	24·2	3·4	24·1	4·1	23·8	3.3	16
17	24·0	2·5	25·4	1·9	25·1	2·7	23·7	0·8	24·0	2·4	23·4	3·3	23·2	3·6	23·1	3.0	17
18	23·1	1·7	24·4	1·2	24·0	1·5	23·2	1·0	23·2	2·1	23·0	3·1	21·8	2·8	22·6	2·8	18
19	22·6	1·4	23·9	1·0	23·6	1·4	23·0	1·0	22·9	1·9	21·1	1·9	21·3	2·3	22·0	2.6	19
20	22·4	1·3	23·6	1·1	23·5	1·4	23·0	1·1	22·8	1·8	20·3	1·6	20·9	2·1	21·9	2·6	20
21	22·8	1·3	23·7	0·9	23·4	1·3	22·6	1·0	22·6	1·6	19·2	1·4	20·3	2·0	21·5	2·5	21
22	22·6	1·1	23·6	1·3	23·1	1·1	22·3	0·8	22·2	1·3	19·4	1·1	20·0	2·0	21·0	2.0	22
23	22·7	1·0	23·3	1·1	23·2	0·9	22·2	0·7	22·0	1·2	19·8	1·3	18·6	0·7	21·0	1.6	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.	Hour \ Day.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	20·7	1·6	21·9	0·7	22·8	1·8	20·9	1·6	21·3	1·4	20·7	1·5	21·7	1·5	21·8	1·9	Midnight
1h	21·2	1·5	22·1	0·6	22·6	1·6	21·0	1·7	21·6	1·7	20·8	1·5	21·8	1·3	22·0	2·0	1h
2	21·8	1·9	21·8	0·6	22·7	1·7	21·2	2·0	21·3	1·5	20·7	1·3	21·7	1·1	22·0	1·8	2
3	22·0	2·0	22·2	0·6	22·1	1·2	21·1	1·4	21·1	1·4	20·5	1·4	21·1	1·5	22·0	1·7	3
4	21·6	1·6	22·1	0·6	22·3	1.8	21·0	1·3	21·2	1·2	20·3	1·3	21·5	1·2	21·7	1·4	4
5	21·6	1·6	22·1	0·6	22·3	2·1	20·5	0·9	21·2	1·2	20·5	1·4	21·2	1·3	21·9	1·7	5
6	21·9	1·9	21·6	0·8	22·1	2·2	20·3	0·8	21·2	1·3	20·1	1·2	21·1	1·2	21·7	1·6	6
7	21·3	1·2	22·1	0·9	22·0	2.0	21·1	2·0	21·5	1·3	20·9	1·3	21·5	1·2	22·4	1·7	7
8	23·6	2·6	21·7	0·7	23·0	2·4	22·9	2·5	23·1	2·0	21·8	1·8	23·0	1·8	23·8	2·0	8
9	24·0	2·7	23·4	1·3	24·1	3·6	23·2	2·1	24·0	2·3	23·9	3·2	24·1	2·9	24·9	2·9	9
10	23·7	2·1	24·5	2·3	23·8	2·8	23·0	1·8	25·0	3·2	24·8	3·8	24·3	3·0	24·1	2·1	10
11	25·1	3·1	24·9	2·4	24·3	3·5	22·8	1·9	25·1	3·2	25·4	4·1	25·3	3·8	25·1	3·6	11
Noon	25·0	3·8	25·0	3·0	24·8	4·3	21·7	0·8	25·5	3·6	25·1	4·1	25·5	3·8	25·8	3·3	Noon
13h	25·3	3·4	25·1	3·1	24·7	4·2	22·7	1·2	25·3	3·2	25·4	4·3	24·1	2·2	26·0	3·9	13h
14	24·0	2·3	25·3	3·3	24·9	3·9	21·6	0·7	25·4	4·1	25·1	3·9	24·9	4·0	25·5	3·6	14
15	24·9	3·1	24·9	3·1	25·0	4·2	23·1	1·6	24·9	3·5	25·0	4·3	25·0	4·5	25·6	3·7	15
16	23·2	1·7	24·3	2·8	23·7	3·2	23·0	2·0	24·1	2·2	24·1	3·6	24·1	3·5	25·0	3·0	16
17	22·7	1·4	24·0	2·5	23·1	2·7	22·0	1·7	23·3	2·4	23·2	3·1	23·3	3·1	24·1	2·2	17
18	22·9	1·8	23·0	1·9	22·3	2·1	21·2	1·4	22·7	1·8	22·1	2·2	22·4	2·5	23·5	1·7	18
19	22·3	1·1	22·9	1·9	22·2	2·9	21·3	1·4	22·3	1·8	22·0	2·0	22·2	2·6	22·9	0·8	19
20	22·1	1·0	22·9	1·9	21·3	1·7	21·2	1·5	21·8	1·9	22·1	2·0	22·1	2·5	22·8	0·8	20
21	22·5	1·4	22·7	1·7	20·9	1·8	21·2	1·5	21·9	1·9	22·3	1·8	21·3	3·0	22·6	0·7	21
22	22·7	1·6	22·8	1·8	20·8	1·8	21·5	1·6	21·7	1·7	22·4	1·8	21·0	2·1	22·8	0·7	22
23	22·7	1·5	22·4	1·4	20·7	1·7	21·3	1·6	21·1	1·2	22·0	1·9	21·5	2·3	22·9	0·6	23

TABLE X. (*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 1924

Hour. \ Day.	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess of Air over Evap.	Hour. \ Day.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
Midnight	23·1	0·9	22·0	0·8	22·8	1·7	23·4	1·3	23·0	1·1	23·3	1·2	21·8	0.6	22·2	2·1	Midnight
1h	23·1	1·0	22·2	0·3	22·0	0·8	23·3	1·1	23·0	1·0	23·2	0·9	22·2	0·6	22·1	2·1	1h
2	23·1	0·9	22·3	0·4	22·0	0·8	23·2	1·0	22·9	1·2	23·1	1·0	22·4	0·6	22·2	2·2	2
3	23·0	0·9	21·2	0·5	21·6	0·7	23·3	1·0	22·8	1·2	23·0	0·9	22·1	0·6	22·1	2·0	3
4	22·9	0·8	21·7	0·7	21·9	0·8	23·3	0·9	22·5	1·0	23·0	0·9	22·0	0·5	22·0	2·4	4
5	23·0	0·7	22·0	0·8	21·9	1·1	23·2	0·9	22·6	1·0	22·9	0·7	22·2	0·5	21·5	2·2	5
6	23·1	0·6	22·0	1·0	22·1	0·8	23·0	0·9	22·7	1·2	22·9	0·9	22·3	0·6	21·4	1·7	6
7	22·9	0·6	22·2	1·0	22·2	0·8	23·2	0·8	22·8	1·1	22·9	0·8	22·6	0·6	21·4	2·2	7
8	23·4	0·7	22·3	1·0	23·3	1·2	24·1	1·2	24·0	1·1	23·5	0·8	23·7	0·8	22·9	2·7	8
9	23·2	0·6	22·5	1.1	23·5	1.3	25·2	2·1	24·4	1·5	24·1	1·5	24·8	1·7	23·7	2·8	9
10	24·1	0·9	23·0	1·3	23·7	0·8	25·3	2·3	25·1	1·9	25·0	2·1	25·2	2·0	25·0	3·1	10
11	24·0	0·5	23·5	1·9	24·1	1·2	25·5	2·4	25·8	2·6	25·5	2·3	25·9	2·3	25·7	3·8	11
Noon	24·0	0·7	24·0	1·9	24·2	1·6	25·6	2·4	25·5	2·3	25·9	2·8	25·1	2·2	26·1	4·3	Noon
13h	24·4	1·2	24·2	2·2	24·9	2·5	25·6	2·5	25·8	2·6	26·1	2·9	24·1	1·2	26·0	4·4	13h
14	23·9	0·7	24·0	2·1	25·1	2·9	25·7	2·3	26·0	2·6	25·9	2·8	23·9	1·3	25·7	4·2	14
15	23·1	0·7	23·7	2·0	24·3	2.3	25·1	2·2	25·6	2·5	25·8	2·7	23·3	0·5	24·1	3·2	15
16	23·1	0·6	23·3	2·2	24·0	2·1	24·9	2·0	25·1	2·0	25·2	2·6	23·1	1·1	23·7	2·5	16
17	22·5	0·5	22·7	1·9	23·2	1·2	24·1	1·5	24·6	1·7	24·1	1·9	22·8	1·5	22·6	1·6	17
18	22·5	0·4	22·5	2·3	23·6	1.6	23·7	1·4	23·6	1·0	23·3	1·3	22·3	1·1	21·9	1·4	18
19	22·7	0·6	22·1	2·0	23·6	1·5	23·4	1·3	23·5	0·9	22·9	2·0	21·7	1·4	21·5	1·5	19
20	22·6	0·6	22·2	2 0	23·5	1·4	23·1	1·1	23·2	0·8	22·0	1·1	21·7	1·6	22·0	2·0	20
21	22·4	0·6	22·3	2·0	23·6	1·5	23·1	1·1	23·1	0·9	21·9	1·1	21·1	1·1	22·2	2·2	21
22	22·4	0·4	22·1	1·9	23·5	1·5	22·7	0·9	23·0	0·9	21·9	0·9	21·5	1·5	22·2	1·9	22
23	22·1	0·5	22·6	1·5	23·3	1·3	23·0	1·1	23·0	0·9	22·2	1·0	22·0	2·1	21·6	1·4	23

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

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

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

MAY 1924.

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	883	911	894	906	882	918	882	918	884	916	881	919	891	909	893	905	Midnight
1h	866	913	887	913	885	924	885	915	887	913	876	916	888	912	895	903	1h
2	879	909	887	913	886	921	882	918	890	910	876	916	887	913	891	907	2
3	868	913	887	913	885	924	883	926	888	912	869	921	890	910	891	907	3
4	872	911	885	910	886	922	883	925	886	914	877	915	890	910	895	903	4
5	876	910	885	910	876	924	886	922	884	916	879	921	885	915	895	903	5
6	879	909	888	912	886	922	879	921	885	915	880	920	887	913	894	904	6
7	883	907	885	915	888	919	877	923	883	925	877	923	893	916	894	902	7
8	874	911	884	924	881	929	883	925	876	936	878	922	888	918	894	901	8
9	871	906	884	939	886	935	873	941	871	944	884	939	886	936	871	929	9
10	873	906	886	935	881	946	870	946	867	949	878	952	880	949	861	939	10
11	883	900	893	933	889	952	871	943	878	953	880	949	879	951	860	940	11
Noon	867	913	886	936	886	936	874	940	864	954	900	935	879	951	864	936	Noon
13h	870	912	900	949	885	937	876	936	863	956	889	952	878	954	857	943	13h
14	863	925	900	952	891	946	873	941	867	949	900	953	871	943	855	945	14
15	865	935	900	947	890	947	880	949	866	951	889	952	872	942	860	940	15
16	862	925	876	936	883	942	876	936	861	939	875	960	867	949	863	937	16
17	864	924	883	941	883	941	876	936	863	937	881	929	866	934	864	936	17
18	873	918	889	929	887	934	875	925	861	939	887	913	872	928	866	934	18
19	878	914	886	921	882	918	879	931	872	928	890	910	880	920	859	928	19
20	881	913	887	913	877	923	881	928	875	925	887	913	872	919	862	925	20
21	877	915	886	922	882	918	881	928	876	924	895	905	883	911	871	919	21
22	881	913	886	922	885	915	887	933	877	923	893	907	877	915	877	910	22
23	895	912	882	927	882	918	880	920	887	913	890	910	885	910	876	910	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	906	868	948	879	950	884	916	878	922	883	917	881	919	880	920	Midnight
1h	868	921	861	959	891	943	884	916	880	920	886	914	878	922	880	920	1h
2	879	914	862	957	893	933	889	928	875	900	887	913	879	921	870	930	2
3	868	922	872	942	892	938	870	946	887	919	882	918	872	928	874	926	3
4	883	917	890	951	892	940	900	935	885	890	881	912	867	933	878	922	4
5	881	919	881	947	895	925	871	944	880	913	884	911	872	928	874	926	5
6	869	931	900	957	900	948	872	942	882	912	885	910	878	922	875	925	6
7	869	931	879	951	889	928	878	932	878	922	880	920	878	922	877	935	7
8	863	937	900	955	882	945	871	943	877	935	883	941	866	934	867	950	8
9	864	955	890	949	900	941	883	941	873	941	871	929	867	949	865	953	9
10	865	952	886	968	900	983	876	958	875	937	861	939	870	940	868	947	10
11	854	958	885	976	885	976	886	972	872	942	865	953	863	956	871	970	11
Noon	855	967	883	987	886	968	888	958	868	947	864	954	867	949	853	970	Noon
13h	854	969	874	962	887	964	891	943	863	956	859	961	876	957	861	959	13h
14	857	965	872	967	890	949	900	959	863	956	858	962	857	964	861	959	14
15	860	960	871	969	880	948	881	946	871	970	862	957	878	954	864	954	15
16	859	961	877	956	879	931	879	952	876	957	870	946	864	954	863	957	16
17	863	956	877	956	879	932	878	953	866	951	872	942	881	947	874	939	17
18	860	960	875	959	886	914	881	946	875	937	873	927	886	934	874	939	18
19	865	953	878	952	875	925	882	945	885	923	874	926	879	951	872	942	19
20	864	955	879	950	885	915	884	940	877	935	875	925	886	936	874	940	20
21	872	942	883	941	889	911	887	934	879	932	880	920	886	935	884	940	21
22	863	956	881	946	888	912	877	935	877	935	878	922	887	920	882	943	22
23	860	960	883	942	887	913	877	935	877	935	867	933	884	916	880	930	23

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

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

MAY 1924.

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	876	936	868	947	870	945	900	922	900	925	900	924	900	910	866	913	Midnight
1h	875	937	882	943	860	960	895	926	900	921	900	918	900	909	882	908	1h
2	877	934	872	941	859	962	888	930	900	927	900	921	900	907	872	906	2
3	876	936	869	946	867	949	889	926	900	924	900	918	900	908	869	912	3
4	879	931	872	941	863	957	888	930	900	921	900	922	900	912	866	914	4
5	874	926	867	950	871	944	887	932	900	922	909	921	900	914	879	909	5
6	870	930	859	961	869	946	900	932	904	921	904	918	900	913	857	918	6
7	883	941	868	948	876	957	900	930	904	921	900	930	900	909	859	917	7
8	883	941	865	952	882	944	900	943	912	930	905	924	900	921	859	917	8
9	890	949	868	947	888	957	908	938	916	939	911	929	908	910	875	917	9
10	891	943	860	940	889	955	908	940	915	938	917	942	916	916	872	919	10
11	878	953	868	948	900	978	900	952	924	936	924	936	910	913	873	927	11
Noon	878	954	854	946	884	976	909	944	923	934	922	933	910	908	879	921	Noon
13h	881	947	857	964	900	967	909	942	925	937	912	931	889	900	882	918	13h
14	900	950	847	979	886	967	909	942	917	941	923	935	894	900	867	922	14
15	900	954	851	949	900	965	911	954	912	931	926	926	892	900	869	921	15
16	900	946	848	952	900	964	900	944	911	928	924	936	876	895	863	925	16
17	900	956	846	954	900	949	900	932	905	922	907	916	885	906	874	926	17
18	909	942	858	962	900	949	900	929	902	912	904	910	883	907	877	923	18
19	900	939	859	961	900	941	900	925	900	917	904	909	869	912	870	920	19
20	900	948	853	971	900	938	893	936	900	915	902	911	877	910	863	915	20
21	882	944	868	948	907	935	895	926	900	918	900	915	887	906	866	923	21
22	884	939	867	950	900	932	894	930	900	917	900	910	885	906	884	907	22
23	884	939	866	952	900	927	896	921	900	916	900	914	873	911	891	907	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	894	906	888	912	889	911	863	915	886	897	885	903	877	923	884	919	Midnight
1h	896	904	887	913	892	908	878	909	888	898	888	900	877	923	884	919	1h
2	892	906	891	909	892	908	877	910	889	898	886	906	877	923	884	919	2
3	890	907	887	913	887	913	880	913	883	897	900	922	876	924	882	922	3
4	893	905	892	908	890	910	880	913	882	896	888	912	875	925	884	920	4
5	893	904	890	910	892	908	879	914	880	896	881	912	871	919	883	920	5
6	893	900	889	911	894	906	883	911	883	903	884	907	875	917	884	921	6
7	889	908	890	910	893	907	879	914	876	900	865	914	883	911	883	922	7
8	896	921	892	908	895	905	884	911	870	906	881	928	884	907	883	928	8
9	894	928	892	910	895	905	871	919	880	904	890	925	888	930	884	933	9
10	900	932	896	919	890	908	883	926	882	908	866	934	869	921	882	938	10
11	900	931	904	920	887	891	879	931	868	922	845	936	858	928	882	943	11
Noon	900	926	905	922	900	884	869	931	872	919	844	937	850	933	881	941	Noon
13h	905	925	909	921	903	884	878	922	868	921	845	936	859	927	881	940	13h
14	907	933	910	924	873	911	871	929	859	917	838	941	851	933	878	944	14
15	900	932	904	921	866	913	868	932	866	923	827	949	859	928	879	943	15
16	900	936	904	910	864	924	866	934	882	918	823	952	859	928	876	940	16
17	895	922	904	906	873	918	881	919	887	913	849	934	871	929	879	934	17
18	896	918	904	906	872	911	884	907	892	908	848	934	871	911	881	928	18
19	893	916	903	905	863	915	885	906	886	906	871	929	889	905	881	925	19
20	894	913	902	910	864	924	882	900	884	903	878	922	883	907	881	925	20
21	895	912	893	907	864	924	893	900	883	903	873	927	877	910	884	922	21
22	891	913	889	911	860	926	889	900	880	904	877	923	873	911	883	922	22
23	892	910	889	911	866	923	877	895	887	903	877	923	873	911	883	922	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during MAY 1924.

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 1924.

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

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	4·4	5	5·7	5	5·4	8	2·2	8	2·5	8	2·4	8	1·0	2	3·6	4	0·9	4	1·7	4	1·6	2	4·0	31	1·4	1	1·5	4	33	2·7
1h	5	4·5	6	4·7	5	7·2	7	2·7	8	2·1	8	1·8	8	0·9	2	2·0	4	0·6	4	1·9	4	1·1	2	2·4	31	1·2	0	1·2	4	33	2·7
2	5	4·1	5	5·0	5	7·4	6	3·2	8	2·7	8	2·1	8	0·7	1	2·9	3	1·0	4	1·3	4	1·2	2	2·5	31	1·1	2	1·5	4	33	2·7
3	5	4·4	5	5·6	5	5·9	6	2·8	8	2·4	8	1·8	8	0·8	2	3·3	3	1·2	4	1·8	4	1·8	3	2·4	31	1·7	8	2·2	4	34	2·9
4	5	3·7	5	5·0	5	6·8	6	3·2	8	2·1	8	2·2	8	1·2	2	3·7	3	0·9	4	1·1	4	1·4	3	2·4	31	1·8	4	1·7	4	36	2·7
5	4	3·7	5	6·0	5	5·3	6	3·4	8	2·2	10	2·3	8	1·4	2	2·3	3	0·8	4	1·4	4	1·1	3	2·5	31	2·0	3	2·2	3	35	2·8
6	4	4·3	5	7·3	5	5·6	8	3·2	9	2·1	9	1·8	8	1·3	2	4·7	0	0·7	4	1·6	4	0·8	3	2·0	d 1	1·7	2	1·8	3	30	2·9
7	6	4·4	5	5·8	6	6·2	8	3·0	9	2·2	8	3·0	8	0·9	2	4·4	3	1·4	4	1·4	4	1·0	3	2·5	0	2·4	2	3·8	3	20	3·0
8	6	4·4	5	6·3	6	4·8	8	4·3	10	3·2	9	2·5	8	2·1	2	4·4	7	2·2	4	1·1	4	0·7	3	1·9	1	3·1	5	3·4	2	18	3·5
9	7	5·0	5	5·7	7	5·8	9	3·9	10	4·2	10	3·1	11	1·3	3	3·0	7	2·9	5	1·3	4	0·7	3	3·5	1	2·0	6	2·7	6	32	4·0
10	7	4·4	4	5·7	7	5·6	9	4·1	10	4·1	10	4·5	12	2·3	3	3·4	8	3·2	7	1·9	3	1·3	5	3·1	2	2·0	4	4·9	3	37	4·6
11	6	5·8	5	5·8	8	7·8	8	5·2	11	4·4	11	4·4	13	2·3	4	3·8	8	3·1	9	2·0	r29	1·6	5	3·7	3	3·9	3	6·6	3	51	5·2
Noon	6	5·9	4	6·5	7	8·0	9	4·5	11	4·1	11	4·0	13	1·3	4	3·0	8	2·6	9	2·3	24	1·6	4	4·4	3	3·4	3	6·7	3	60	5·1
13h	6	5·1	5	7·7	8	6·7	9	4·3	11	4·5	10	3·3	r 0	1·1	4	2·6	9	2·6	10	2·3	23	1·6	4	3·2	3	3·8	3	6·6	3	49	5·0
14	8	5·0	5	9·5	7	6·8	9	4·3	10	4·4	11	4·2	0	0·6	3	4·0	9	3·4	10	2·0	d 2	2·9	4	4·1	2	4·4	3	7·4	3	59	5·4
15	8	5·4	4	7·0	8	6·5	9	5·5	10	3·3	12	3·7	0	0·8	3	3·7	8	3·2	9	2·2	2	3·6	4	4·5	3	4·1	3	8·8	3	50	5·2
16	8	4·6	4	7·3	8	6·4	8	4·4	10	3·0	11	4·3	r31	2·5	3	4·5	8	3·6	10	1·1	3	4·4	4	4·9	4	2·6	3	9·3	3	50	5·0
17	8	5·6	4	7·7	8	4·9	8	3·2	9	2·3	10	1·8	d 2	1·6	4	3·7	7	2·3	11	0·7	3	3·2	4	2·7	4	1·8	3	6·1	4	42	4·2
18	9	4·3	5	7·5	8	4·9	8	2·9	9	1·2	10	1·1	2	1·9	4	3·3	7	1·8	11	0·7	2	3·0	2	1·8	4	1·1	3	6·2	2	31	3·6
19	8	3·9	5	7·3	8	4·1	8	2·5	8	1·7	10	1·0	2	3·3	3	3·6	6	1·8	11	0·6	2	4·0	2	1·6	2	1·5	4	4·1	2	12	3·4
20	8	4·8	5	8·5	8	3·8	7	3·7	8	1·5	9	1·1	2	2·5	2	4·0	6	1·4	9	1·0	3	4·4	0	1·8	1	1·6	4	3·1	2	19	3·4
21	6	4·8	5	5·8	9	3·6	7	2·7	8	1·8	8	1·5	2	1·4	3	4·1	6	1·3	4	1·0	3	4·4	0	0·7	1	1·7	4	3·9	2	25	3·0
22	6	4·2	5	6·0	8	3·2	7	3·1	8	1·7	8	1·0	2	1·6	2	1·8	5	1·6	4	1·6	3	4·8	0	1·1	1	2·0	4	3·3	2	29	3·0
23	6	4·2	5	6·2	8	2·7	7	2·2	8	1·6	8	1·4	2	2·9	3	1·1	5	1·3	4	1·6	3	4·1	r31	2·4	1	1·3	4	3·3	2	29	2·9

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for MAY 1924.

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of MAY 1924.

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	6·07	154·2	92·5	10
	3	Belmont	50	6·07	154·2	80·8	8
	4	Poudre d'Or	20	4·94	125·5	78·2	8
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	5.67	144·0	127·5	14
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	4·70	118.0	114·8	11
	9	Beau Séjour	300	4·79	121·7	151.1	17
	10	Mont Piton	860	7·12	180·8	129·0	14
	11	Mon Choix	700	4·51	114·6	119·0	9
	12	Antoinette	640	6·59	167·4	152·1	13
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	7·20	182.9	142·2	16
	15	Mon Songe	620	3·73	94·7	149·1	9
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	3·75	95·2	108·2	15
	19	The Observatory ...	179	3·76	94·0	83·1	13
	20	Solitude§	175	...	...	...	...
	21	St. André	90	2·62	66.5	87·4	6
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	5·17	131.3	...	8
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station§ .	296	...	...	...	...
	49	Poudre d'Or Station§ ...	172	...	...	...	...
	50	Rivière du Rempart* ...	134	1·28	32·5	...	4
2 & 3	1	Union Régnard S.E. ...	600	6·20	157·4	184·4	19
	2	Constance d'Arifat L.G.	100	4·64	117·9	140·7	15
	3	St. Julien Chuirch§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)* ...	...	9.40	238·8	...	12
	9	Belle Vue (Allendy)* ...	...	6.11	155·2	...	16
	10	St. Julien E(K. Reetoo)*	...	0·60	15·2	...	6
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile	400	8·89	225.8	257·1	10
	3	Beau Champ	20	5·16	131·1	102·9	11
	4	Belle Rive*	400	9·26	235.2	...	19
	5	Olivia	400	10·19	258·8	182·4	20
	6	Deep River*	350	8·22	208·8	...	18
	7	Belle Rose Estate* ...	...	5·43	137· 9	...	17
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine§	...	...	...	...	...
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau	460	9·00	228·6	215·1	14
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	6·04	151·0	144·8	14
	5	Union Vale	200	5·14	130·6	145·0	17
5 cont.	5	Mon Désert (Carié)* ...	75	5·66	143·8	...	15
	6	Cluny§	1,000	...	...	...	...
	7	Union Park§	...	...	...	...	...
	8	Sauveterre Estate§ ...	...	...	...	...	...
	9	Bananes Estate§ ...	...	...	...	...	...
	10	Kanaka	2,000	17·13	435·1	361·7	26
6	1	Tivoli*	1,300	17·88	454·1	...	18
	2	La Flora*	1,050	16·15	410·2	...	20
	3	Britannia	730	13·97	354·8	259·3	19
	4	Savannah (Mill) ...	200	4·81	132·2	181·4	13
	5	St. Aubin§	300	...	...	...	...
	6	Union B.A.St.Félix S.E.§	90	...	...	...	...
	7	Beau Bois§	350	...	...	...	...
	8	St. Avold§	900	...	...	...	...
	9	Terracine§	100	...	...	...	...
	10	St. Félix S.E.*	...	4·77	121·2	...	6
	11	Bel Air§	..	...	...	.	...
	12	Chamouny*	...	9·05	229.9	...	12
	13	Union S. E.*	...	7·42	188·5	..	8
	14	Fontenelle§	...	...	...	...	...
	15	Combo*	...	6·79	172·5	...	6
	16	St. Felix (Wilson)§ ...	...	...	...	...	...
	17	Choisy Estate	...	6·29	159·8	157·0	12
	18	Bel Ombre§	40	...	...	...	...
7, 8 & 9	1	Beau Champ*	...	6·17	156·7	...	12
	3	Board*	...	7·28	184·9	...	11
	4	Tamarin Station§ ...	155	...	...	...	...
	12	Médine Station§ ...	284	...	...	...	...
	13	Albion Station§ ...	72	...	...	...	...
	14	No returns.	...	...	...	...	...
	...						
10	1	Les Gorges§	...	...	...	...	...
11	2	Curepipe Gardens ...	1,840	14·77	375·1	205·5	25
	3	Mare aux Vacoas ...	1,850	18·56	471·4	316·7	26
	4	La Marie Filter Bed ...	1,700	13·85	351·8	162·8	18
	5	Réunion	1,420	9·34	237·2	150·1	19
12	1	The Manse	850	3·44	87·4	68·3	17
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	4·92	122·9	76·5	27
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	7·39	187·7	...	17
	7	Trianon§	950	...	...	...	...
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	3·60	91·4	...	12
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	4·30	109·2	94·2	23
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	..
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or§	...	...	...	...	...
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	..	...

* Normals not available § Record not Received

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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

JUNE 1924

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

DIRECTOR.

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of JUNE 1924

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	
JUNE	° ′			′		
1	10·59·6	·22952	·29939	4·5	27	18
2	59·8	53	39	4·4	27	18
3	59·9	54	39	4·8	11	21
4	59·7	54	39	5·1	18	13
5	60·0	53	40	4·4	14	12
6	59·5	55	37	4·4	14	16
7	59·6	60	37	4·6	16	18
8	59·7	61	37	3·9	21	16
9	60·0	64	36	5·9	35	14
10	60·2	·22913	41	5·2	201	28
11	60·0	·22896	49	5·7	80	15
12	60·1	·22929	45	4·0	30	12
13	60·2	32	45	4·8	20	16
14	59·8	38	45	7·0	13	21
15	60·1	47	47	3·8	17	20
16	59·9	50	48	2·5	42	11
17	59·8	56	49	3·8	37	17
18	60·1	51	47	4·1	67	24
19	59·8	44	51	4·2	73	14
20	...	32	53	...	49	9
21	59·9	33	54	2·5	27	9
22	59·2	38	55	4·2	24	15
23	59·3	37	56	3·4	19	7
24	59·5	44	55	2·6	22	17
25	59·9	49	57	3·3	28	13
26	59·4	66	54	3·3	51	21
27	59·6	56	57	3·8	21	17
28	60·1	48	57	2·9	19	13
29	59·7	51	57	4·2	30	16
30	59·6	52	56	3·0	34	14
Mean	10·59·79	·22946	·29·947	4·14	36·2	15·8

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; "oscillations," a number of movements in both directions.

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

JUNE 1924.

9^d Accentuated diurnal variation in H. F.

9^d 18^h to 10^d 9^h Irregular oscillations in H. F.

10^d 9^h to 22^h Decrease in H. F. (208 γ) with rapid superposed oscillations followed by an increase of force (130 γ) till 11^d $10\frac{3}{4}^h$ with two superposed successive positive waves $22\frac{3}{4}^h$ to 11^d $0\frac{1}{4}^h$ (35 γ) and 11^d $0\frac{1}{4}^h$ to $0\frac{3}{4}^h$ (20 γ). In Declination 10^d 12^h to 11^d 2^h small oscillations. In V. F. small vibrations; 12^h & $12\frac{1}{2}^h$ sharp movements; $14\frac{3}{4}^h$ to 23^h steady decrease (7 γ) with superposed oscillations at $23\frac{3}{4}^h$.

11^h 20^h to 12^d $2\frac{3}{4}^h$ Irregular oscillations (± 1 γ) in H. F. superposed on a general increase in force (60 γ) and followed by a sudden decrease of force (50 γ) at 12^d $2\frac{3}{4}^h$. In Declination 12^d $2\frac{1}{2}^h$ to $3\frac{1}{2}^h$ small oscillations (± 1′).

13^d $5\frac{1}{2}^h$ Wave in Declination (−2′8).

15^d 22^h to 16^d 4^h Small irregular oscillations in H. F.

16^d Accentuated Diurnal Variation in H. F. with sharp negative wave $14\frac{1}{2}^h$ to 19^h (58 γ) culminating at $16\frac{3}{4}^h$.

18^d 10,55 Sudden increase in H. F. (15 γ) followed by irregular oscillations (± 5 γ) till 19^d 4^h, with wave $21\frac{1}{2}^h$ to $22\frac{1}{2}^h$ (+30 γ).

18^d $21\frac{3}{4}^h$ Wave in V. F. (+8 γ) sharp at return followed by oscillations.

19^d 10^h to 20^d 10^h Small undulations in H. F. with larger waves as follows: $18\frac{1}{4}^h$ to $18\frac{1}{2}^h$ (+12 γ) 21^h to 23^h double wave (± 12 γ), 20^d 0^h to 2^h wave (+15 γ), 3^h to 5^h (+30 γ).

22^d $1\frac{1}{2}^h$ to 3^h Wave in H. F. (+20 γ) in Declination (−4′).

23^d $23\frac{1}{2}^h$ to 24^d 1^h Wave in H. F. (+20 γ).

26 Accentuated Diurnal Variation in H. F.

T = ·37727 : Mean Dip. = θ = 52°.32′·37 (X = ·22523 : Y = −·04376 : Z = ·29947).

† 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 1924.

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 6.11.42	10.59·87	JUNE 6.12.26	·22952	JUNE 6.10.12	52.31·03	·29938	JUNE 6.14.22	52.30·43	·29920
.14.39	10.56·37	14. 9.16	·22940	16.11.12	52.30.59	·29946	16.13.41	52.30·62	·29944
14. 8.36	11.03·43	.12.41	·22939	...	...	...	20.14.03	52.34·34	·29963
.14.02	10.58·67	18.13.30	·22969	24. 9.13	52.32·50	·29966	...	...	...
20.13.53	10.57·70	27. 9.23	·22966	30. 9.29	52.32·84	·29981	30.13.48	52.29·75	·29930
24. 9.03	11.00·31	.12.22	·22960						
30. 9.16	10.59·90								
.13.58	10.58·84								

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

JUNE 1924.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	59·8	59·8	59·8	59·9	59·5	59·5	59·5	59·5	59·9	60·0	61·5	61·3	60·7	60·2	60·3	60·0	Midnight
1h	59·9	60·0	59·9	60·0	59·8	59·7	59·3	59·3	59·7	59·4	63·0	60·7	60·5	60·2	60·1	60·0	1h
2	60·0	60·0	59·9	59·8	59·7	59·5	59·2	59·2	59·4	59·1	62·7	60·5	60·2	60·1	60·1	59·8	2
3	60·1	60·1	60·0	60·0	59·8	59·5	59·3	59·2	59·5	59·2	61·5	60·2	59·3	60·0	60·0	60.0	3
4	60·0	60·1	60·0	60·0	59·7	59·5	59·5	59·5	59·7	59·4	60·0	60·2	60·0	60·0	60·0	59·9	4
5	60·0	60·1	60·0	60·1	59·8	59·7	59.8	59·5	59·9	57·8	60·0	59·7	58·0	59·7	60·0	60·0	5
6	59·9	60·0	59·9	60·2	59·8	59·6	60·3	59·8	60·0	59·3	59·3	59·5	58·2	59·7	60·0	60·0	6
7	59·0	59·1	59·2	60·0	59·5	59·2	59·1	59·3	59·8	58·7	57·3	59·3	59·1	59·2	58·8	59·3	7
8	59·5	59·9	60·0	60·6	60·1	59 5	59·5	60·2	60·3	58·8	57·5	59·5	60·0	60·2	59·2	59·2	8
9	61·0	61·2	61·0	61·2	61·2	60·7	60·8	61·5	61·5	60·8	58 7	60·5	61·5	61·5	60·5	59·9	9
10	62·0	61·6	61·6	61·2	61·5	60·9	61·3	61·5	62·7	60·7	58·5	61·0	62·6	62·7	62·0	60·0	10
11	60·1	60·5	61·5	60·5	61·3	60·3	60·9	60·7	61·5	61·2	58·8	61·2	62·8	63·0	62·0	60·0	11
Noon	58·5	58·0	60·7	59·3	61·2	59·8	59·7	59·0	60·7	61·1	59·2	61·3	62·0	62·0	61·5	60·2	Noon
13h	57·6	57·2	58·0	57·7	60·0	58·2	57·3	57·7	59·0	61·0	58·7	60·0	60·5	59·0	60·8	60·0	13h
14	57·5	57·5	56·8	56·2	58·9	56·8	57·0	57·6	58·2	59·8	57·7	59·0	59·5	56·7	60·0	59·0	14
15	57·7	58·8	57·2	56·2	57·1	56·5	56·7	57·8	56·8	58·0	58·2	57·3	58·5	56·0	58·5	58·5	15
16	58·1	59·3	58·2	57·7	58·0	57·3	58·0	58·5	57·5	58·5	58·9	57·5	58·5	57·0	58·2	59·0	16
17	59·2	60·2	59·8	59·3	59·5	58 8	59·8	59·3	59·2	60·0	59·7	59·5	59·5	58·3	59·5	59·5	17
18	60·4	60·6	60·5	60·6	60·6	60·2	60·7	60·2	60·5	62·3	60·7	60·7	60·5	60·0	60·1	61·0	18
19	60·5	60·8	60·7	61·1	60·8	60·5	60·8	60·7	61·0	61·5	61·0	60·6	60·5	60·0	60·2	61·0	19
20	60·3	60·7	60·6	61·3	61·0	60·6	60·9	60·9	61·5	61·3	61·0	60·7	60·7	60·0	60·3	61·0	20
21	60·0	60·2	60·5	60·7	60·6	60·2	60·7	60·7	61·0	63·0	62·1	60·6	60·6	60·0	60·5	60·9	21
22	59·8	60·1	60·5	60·2	60·1	60·3	60·3	60·5	60·7	61·7	62·0	60·7	60·4	60·0	60·7	60·3	22
23	59·8	59·8	60·3	60·0	59·7	60·0	60·0	60·1	60·5	62·5	62·0	60·8	60·4	60·0	60·2	60·1	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.		Mean	Day. / Hour
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	60·1	60·0	60·0	...	59·3	59·5	60·0	60·0	60·2	60·0	60·0	60·3	59·7	59·7	...	60.0	Midnight
1h	60·0	60·0	60·0	...	59·4	59·0	59·5	59·5	59·9	59·8	60·0	60·2	59·5	59·8	...	59·9	1h
2	60·0	60·0	60·0	...	59·2	56·5	59·3	59·3	59·7	59·9	60·0	60·0	59·5	59·6	...	59·7	2
3	60·0	60·0	60·0	...	59·3	57·7	59·1	59·0	59·7	59·7	60·1	60·0	59·2	59·7	...	59·7	3
4	60·0	60·0	60·0	...	59·1	59·0	59·0	59·3	59·5	59·5	60·0	59·5	59·1	59·4	...	59·7	4
5	60·0	60·0	60·0	...	59·1	59·2	58·7	58·9	59·8	59·5	59·8	59·3	59·0	59·7	...	59·6	5
6	60·1	59·0	58·5	...	59·2	59·3	57·5	59·2	59·8	59·3	59·5	59·3	59·0	59·5	...	59·5	6
7	58·5	58·5	58·3	...	58·8	58·0	58·5	59·0	58·9	58·5	58·5	58·9	58·7	58·3	...	58.9	7
8	58·5	58·0	58·0	...	59·1	56·9	59·0	58·9	58·7	58·0	58·1	59·3	58·5	58·7	...	59·1	8
9	59·7	59·2	58·9	...	59·9	58·0	59·0	60·2	59·5	58·5	59·0	60·0	59·3	59·3	...	60·1	9
10	60·5	60·1	59·5	...	60·0	59·5	60·5	60·5	60·5	59·0	60·5	60·8	60·5	60·7	...	60·8	10
11	61·3	61·7	59·8	...	60·5	60·2	60·0	59·9	61·3	59·8	61·0	61·0	62·0	61·3	...	60·9	11
Noon	62·1	62·1	59·9	58·0	60·5	60·7	59·2	59·2	61·0	60·2	60·5	61·5	62·0	61·0	...	60·5	Noon
13h	59·5	59·5	59·8	57·1	60·2	60·5	58·7	58·6	60·2	59·3	58·9	61·8	61·7	58·7	...	59·3	13h
14	58·5	59·0	59·3	57·5	59·8	59·0	58·5	57·9	59·7	58·0	57·3	59·8	59·5	59·0	...	58·4	14
15	58·3	58·1	59·0	58·2	59·0	57·5	57·5	57·9	58·7	57·2	57·2	59·2	58·5	58·5	...	57·8	15
16	58·9	58·3	59·0	58·7	59·0	58·0	57·5	58·2	58·0	58·3	57·5	59·1	57·8	59·0	...	58·2	16
17	59·9	60·0	60·5	60·2	59·7	59·5	59·0	59·5	59·5	59·5	58·9	59·9	58·7	59·7	...	59·5	17
18	60·1	61·7	62·2	60·7	60·8	60·7	60·2	60·1	60·5	60·0	59·5	60·7	59·7	59·8	...	60·5	18
19	60·0	61·5	61·3	61·0	61·2	60·7	60·9	60·5	60·7	60·2	60·2	60·7	60·1	60·1	...	60·7	19
20	59·9	61·0	61·0	61·0	61·0	60·3	60·7	60·5	60·7	60·5	60·7	60·5	60·2	60·2	...	60·7	20
21	60·1	61·7	60·5	60·0	61·3	60·3	60·5	60·5	60·5	60·5	60·7	60·5	60·1	60·0	...	60·7	21
22	60·1	61·5	59·8	60·0	61·0	60·1	60·5	60·3	60·2	60·2	61·0	60·3	60·1	59·8	...	60·5	22
23	60·1	61·2	60·1	59·5	60·5	60·0	60·0	60·2	60·0	60·2	60·8	60·0	60·1	59·3	...	60·3	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).

JUNE 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	044	044	049	050	048	049	053	054	056	064	—065	027	032	032	039	049	Midnight
1h	046	043	050	051	049	049	054	055	055	060	—055	036	032	035	040	047	1h
2	048	041	051	052	050	048	055	056	056	060	—040	041	031	036	041	047	2
3	048	045	052	053	052	050	056	058	057	067	—030	011	040	038	041	045	3
4	050	046	052	056	053	052	057	059	059	060	—010	017	032	039	042	045	4
5	052	051	053	057	056	056	057	060	062	077	—009	023	035	039	043	047	5
6	054	052	054	059	057	056	056	061	064	068	—001	030	040	040	044	045	6
7	057	057	059	060	059	058	061	062	067	069	003	030	039	044	047	049	7
8	061	060	060	060	060	059	067	063	070	075	002	035	041	045	049	052	8
9	062	059	059	060	061	059	069	061	073	087	005	038	040	041	050	057	9
10	059	065	057	060	059	061	067	065	081	082	014	039	038	040	050	067	10
11	063	064	059	061	059	062	066	066	089	071	012	039	035	038	050	071	11
Noon	067	061	059	057	058	060	069	064	082	042	—002	036	029	040	049	066	Noon
13h	065	068	057	059	052	055	068	072	069	030	—001	022	025	043	050	069	13h
14	060	063	058	061	051	055	063	075	065	030	001	017	027	036	051	069	14
15	051	053	054	062	048	057	061	072	066	001	—002	022	025	033	049	061	15
16	045	049	049	055	049	056	060	067	057	—013	—009	026	021	032	043	037	16
17	040	049	049	049	053	056	060	061	054	—030	—007	030	029	036	041	029	17
18	041	050	051	049	052	056	059	059	057	—061	000	031	031	037	047	041	18
19	044	049	050	044	052	055	059	059	063	—087	—001	030	029	037	048	046	19
20	045	049	050	047	050	055	059	058	061	—101	009	029	029	038	047	044	20
21	045	049	051	047	048	052	057	057	059	—113	004	029	029	039	045	043	21
22	045	050	050	049	047	051	057	057	060	—114	014	031	031	038	050	041	22
23	044	051	049	049	047	051	055	057	058	—060	015	032	031	040	056	045	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.		Mean.	Day. \ Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	046	045	017	011	026	026	030	041	039	048	059	046	049	048	...	038·5	Midnight
1h	048	045	033	028	027	031	031	040	039	050	058	043	048	047	...	040·5	1h
2	050	049	032	015	028	049	032	038	040	049	057	045	049	051	...	041·9	2
3	051	049	055	025	029	045	036	040	040	049	057	041	050	052	...	043·4	3
4	051	049	061	055	028	039	037	038	041	050	057	042	051	052	...	045·3	4
5	052	049	056	031	031	041	035	043	041	051	056	048	051	052	...	046·5	5
6	055	049	054	024	031	040	042	047	042	059	058	050	052	050	...	047·7	6
7	059	058	055	035	033	042	043	050	047	061	061	057	055	056	...	051·1	7
8	062	066	061	045	037	049	042	059	052	069	066	059	059	062	...	054·9	8
9	067	073	060	050	039	049	049	060	063	076	067	056	063	066	...	057·3	9
10	077	075	059	052	042	050	042	057	067	078	063	057	069	067	...	058·6	10
11	078	087	075	060	042	048	036	044	062	090	062	051	066	069	...	059·2	11
Noon	076	072	077	051	044	049	040	043	055	099	063	052	067	072	...	056·6	Noon
13h	075	071	069	042	046	040	044	041	052	097	062	057	060	071	...	054·3	13h
14	072	050	061	031	042	030	041	045	050	090	055	049	050	061	...	050·3	14
15	063	041	047	022	041	027	033	047	048	072	049	049	039	046	...	044·6	15
16	053	047	041	026	041	028	042	041	052	063	047	040	040	041	...	040·9	16
17	047	039	039	029	040	030	038	040	051	061	051	045	047	040	...	039·9	17
18	043	040	040	023	035	031	039	040	052	062	052	045	049	038	...	039·6	18
19	045	050	024	024	028	032	033	041	051	061	051	044	044	039	...	038·1	19
20	042	042	017	023	023	033	031	040	050	060	049	045	041	040	...	036·8	20
21	041	029	004	021	019	031	031	039	050	059	049	046	040	040	...	034·7	21
22	045	052	005	021	019	031	031	039	050	059	046	046	040	040	...	036·0	22
23	044	020	012	023	023	028	035	039	049	060	046	047	041	041	...	037·6	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*).

JUNE 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	041	041	041	042	042	042	041	041	040	038	053	047	047	046	048	049	Midnight
1h	041	040	041	041	042	041	041	041	040	038	058	046	045	046	048	047	1h
2	041	040	040	040	042	040	040	041	040	038	055	045	046	046	048	047	2
3	041	040	040	040	040	039	039	040	040	038	053	045	046	046	048	048	3
4	041	040	039	039	039	039	038	040	039	038	051	047	045	046	048	048	4
5	041	040	040	039	039	039	038	039	038	037	050	046	048	047	050	048	5
6	042	041	041	040	040	039	038	039	038	038	050	046	045	048	050	048	6
7	040	040	040	041	040	038	037	038	037	037	045	044	046	048	049	049	7
8	042	043	042	043	042	040	038	038	037	038	044	044	047	049	051	050	8
9	044	044	047	042	043	042	040	040	039	040	047	045	049	053	053	051	9
10	043	041	046	038	042	041	039	040	038	039	047	044	050	051	052	043	10
11	035	033	040	033	041	038	034	032	032	035	046	042	047	046	047	040	11
Noon	027	027	033	032	037	034	031	026	029	034	046	040	042	042	044	040	Noon
13h	026	026	026	032	035	027	026	025	027	030	045	037	034	037	040	042	13h
14	028	029	027	033	032	026	024	029	026	030	043	037	034	032	036	050	14
15	031	031	031	031	031	027	027	033	028	031	045	038	036	032	033	051	15
16	036	035	035	033	036	029	035	035	033	036	047	042	041	041	034	051	16
17	041	040	040	037	040	035	041	037	036	043	051	047	046	048	044	051	17
18	043	042	042	041	042	038	042	039	039	050	052	049	049	050	049	050	18
19	043	043	043	043	042	039	041	040	038	050	052	048	048	049	050	051	19
20	042	043	044	044	042	040	041	040	038	053	052	048	048	048	050	050	20
21	042	042	043	044	042	040	041	040	038	056	051	047	047	047	050	049	21
22	041	042	042	043	042	041	041	040	038	056	050	047	046	046	050	048	22
23	041	041	043	042	042	041	041	040	039	058	049	046	045	044	049	048	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.		Mean.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	049	052	051	056	056	056	059	059	059	058	057	058	056	056	...	049·4	Midnight
1h	049	051	049	055	056	056	058	058	058	058	058	058	056	055	...	049·0	1h
2	050	050	049	054	055	054	058	058	059	059	058	059	056	055	...	048·8	2
3	050	050	048	054	055	054	058	058	060	059	059	059	057	055	...	048·6	3
4	048	049	047	050	054	055	057	058	060	059	059	061	057	055	...	048·2	4
5	049	049	049	053	054	054	056	057	060	060	059	060	058	056	...	048·4	5
6	053	050	050	053	054	054	056	057	060	060	059	061	059	057	...	048·9	6
7	053	048	048	050	054	052	056	056	058	056	056	060	058	056	...	047·7	7
8	050	047	048	051	055	053	057	055	057	055	057	060	059	056	...	048·3	8
9	048	050	052	054	056	057	058	056	057	056	059	060	061	058	...	050·0	9
10	054	050	053	055	056	061	059	055	057	056	062	058	063	061	...	049·8	10
11	053	049	049	053	057	060	056	054	058	052	063	053	063	061	...	046·7	11
Noon	049	042	047	055	055	059	053	055	059	048	057	052	060	054	...	043·6	Noon
13h	042	037	046	052	054	052	052	046	052	042	049	050	053	047	...	039·6	13h
14	037	032	046	048	049	046	053	042	047	039	047	048	048	047	...	038·2	14
15	038	031	046	049	048	046	052	043	047	042	046	049	047	052	...	039·1	15
16	043	034	048	051	049	049	053	048	050	046	049	052	049	054	...	042·4	16
17	048	044	051	054	052	055	056	053	056	052	056	056	054	057	...	047·4	17
18	050	048	053	055	053	057	058	056	058	057	059	060	057	060	...	049·9	18
19	052	050	054	056	053	057	058	057	058	058	060	060	059	061	...	050·4	19
20	053	050	055	056	054	057	058	057	058	058	060	060	060	061	...	050·7	20
21	053	051	055	057	055	057	058	058	057	058	059	059	060	060	...	050·5	21
22	054	055	060	056	055	057	059	058	057	058	059	058	059	058	...	050·5	22
23	053	053	055	056	056	057	058	058	057	059	059	057	058	057	...	050·1	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1924.

Month and Day 1924.	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	1015·4	+ 4·2	23·3	17·5	5·8	20·0	— 1·3	3·0	14·6	— 2·5	71	— 6	16·5	13·0	0·0	...	4·0	7·0
2	1014·5	+ 3·2	23·7	16·6	7·1	20·2	— 1·0	3·4	14·1	— 2·9	68	— 9	15·9	12·5	0·0	...	3·8	4·1
3	1013·4	+ 2·0	23·2	19·1	4·1	20·9	— 0·3	1·8	17·7	+ 0·8	82	+ 5	20·1	16·4	0·0	...	2·8	6·3
4	1011·3	— 0·2	23·6	19·1	4·5	20·7	— 0·4	2·5	16·3	— 0·6	76	— 1	18·4	15·5	0·0	...	3·0	8·8
5	1010·7	— 0·8	23·0	19·6	3·4	20·7	— 0·4	0·8	19·3	+ 2·5	92	+ 15	22·2	17·3	8·6	200	1·4	9·8
6	1011·2	— 0·4	24·8	18·7	6·1	21·4	+ 0·3	1·9	18·0	+ 1·3	81	+ 4	20·4	14·0	0·0	...	4·3	3·6
7	1011·3	— 0·4	24·3	17·0	7·3	20·3	— 0·7	2·0	16·7	0·0	80	+ 3	18·8	12·9	0·0	...	4·0	4·1
8	1010·8	— 1·0	24·2	17·9	6·3	20·8	— 0·1	2·2	16·9	+ 0·3	78	+ 2	19·0	13·1	0·0	...	4·3	1·9
9	1012·3	+ 0·4	24·0	17·9	6·1	20·6	— 0·3	2·0	17·1	+ 0·6	80	+ 4	19·3	12·8	0·0	...	3·7	6·5
10	1014·6	+ 2·6	24·5	17·0	7·5	20·5	— 0·3	2·7	15·7	— 0·7	74	— 2	17·7	12·3	0·0	...	4·5	3·0
11	1014·4	+ 2·3	24·2	16·7	7·5	20·6	— 0·1	1·8	17·4	+ 1·0	82	+ 6	19·7	11·9	0·2	5	2·2	4·0
12	1013·6	+ 1·4	24·1	19·6	4·5	21·5	+ 0·8	2·0	18·0	+ 1·7	80	+ 4	20·4	16·5	9·4	50	5·8	5·1
13	1013·5	+ 1·2	25·0	16·9	8·1	20·7	+ 0·1	2·0	17·2	+ 1·0	80	+ 4	19·4	11·5	0·3	5	3·3	2·8
14	1013·5	+ 1·1	23·2	16·2	7·0	19·4	— 1·2	1·6	16·5	+ 0·3	83	+ 7	18·6	12·0	0·0	...	2·0	4·1
15	1013·2	+ 0·8	23·1	16·7	6·4	20·1	— 0·5	2·9	14·9	— 1·2	72	— 4	16·8	12·9	0·0	...	4·6	2·8
16	1012·9	+ 0·4	23·6	16·9	6·7	19·9	— 0·6	2·9	14·7	— 1·4	72	— 4	16·6	10·4	0·0	...	4·7	5·1
17	1012·4	— 0·2	24·0	16·5	7·5	19·8	— 0·7	2·3	15·7	— 0·3	77	+ 1	17·7	11·5	0·0	...	2·5	4·3
18	1010·9	— 1·8	24·0	15·9	8·1	20·2	— 0·2	2·0	16·6	+ 0·7	80	+ 4	18·7	11·5	1·0	15	3·6	5·2
19	1011·2	— 1·6	25·0	19·0	6·0	21·3	+ 0·9	1·8	18·1	+ 2·2	82	+ 6	20·6	16·8	0·0	...	3·0	6·5
20	1013·4	+ 0·5	25·0	19·8	5·2	21·6	+ 1·2	1·7	18·6	+ 2·7	83	+ 7	21·2	16·8	0·0	...	3·0	6·4
21	1014·8	+ 1·8	25·0	18·7	6·3	21·3	+ 1·0	1·7	18·3	+ 2·5	83	+ 7	20·8	14·8	0·0	...	3·0	4·8
22	1015·7	+ 2·6	23·1	18·2	4·9	20·4	+ 0·1	2·6	15·8	0·0	75	— 1	17·8	14·9	0·0	...	3·8	6·5
23	1016·9	+ 3·7	23·6	18·3	5·3	20·3	+ 0·1	3·4	14·2	— 1·6	68	— 8	16·1	14·6	4·0	55	5·5	6·3
24	1016·9	+ 3·6	22·6	17·9	4·7	19·2	— 1·0	2·1	15·4	— 0·4	78	+ 2	17·3	14·6	0·5	5	5·7	5·7
25	1016·6	+ 3·3	23·6	17·2	6·4	20·3	+ 0·1	3·5	14·0	— 1·7	67	— 8	15·8	13·2	0·7	5	5·5	6·7
26	1016·3	+ 2·9	23·7	18·0	5·7	20·5	+ 0·4	3·6	14·1	— 1·6	67	— 9	15·9	14·7	0·0	...	4·7	6·3
27	1014·8	+ 1·3	23·9	18·5	5·4	20·9	+ 0·8	2·5	16·5	+ 0·8	76	0	18·6	16·8	11·5	125	5·4	5·2
28	1013·2	— 0·4	24·0	18·0	6·0	20·9	+ 0·8	2·4	16·7	+ 1·0	77	+ 1	18·8	14·2	0·0	...	4·2	4·3
29	1012·7	— 0·9	24·0	18·0	6·0	20·4	+ 0·3	1·7	17·4	+ 1·7	83	+ 7	19·7	14·9	0·3	5	3·2	6·1
30	1011·5	— 2·2	24·3	18·5	5·8	20·9	+ 0·8	1·4	18·4	+ 2·7	86	+ 10	21·0	16·5	0·7	15	4·8	5·9
Mean	1013·5	+ 1·0	23·9	17·8	6·1	20·6	0·0	2·3	16·5	+ 0·3	77·8	+ 1·5	18.7	14·0	37·2	485	3·9	5·3
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 1924.

Pressure fell steadily from the 31st of May till the 4th of June and remained below normal till the 8th. Two marked positive waves of pressure followed, culmmating on the 10th and the 23rd respectively, both of which were accompanied by characteristic anticyclonic conditions, especially the latter. In the mean for the month pressure was 1mb. above normal.

During the first half of the month temperature was generally below normal and during the last half, generally above. In the mean for the month it was normal.

Humidity was variable during the month and 15% above normal in the mean.

Wind Velocity fell generally to below normal with each fall of pressure and rose to above normal with each rise. It was only 0·03 mps. below normal for the month.

Rain fell principally on the 5th, the 12th and the 27th and accompanied, on each occasion, falling pressure. It was much below normal at the Observatory (48% below): the percentage variation for the other districts of the Island was as follows:

Northern Districts	River System 1,	46 % below
Eastern Districts	,, ,, 2, 3, 4,	22 % ,,
South-Eastern Districts	,, ,, 5 & 6	28 % ,,
Western Districts	River System 11	30% below
	,, ,, 12	48% ,,
	,, ,, 13	No record

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JUNE 1924.

Month and Day 1924.	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.	°	°	°	°	°	°	°	
1	5·3	48	− 2·4	+ 2·8	49	3·7	3·9	+ 0·5	25·7	25·7	24·8	...	23·5	22·5	22·2	o. : c.q: f.: c. : f :
2	4·7	43	− 2·1	+ 3·4	58	4·0	4·1	+ 0·7	25·7	25·7	24·7	...	23·2	22·1	21·5	f. : c .: c.f. :f ..
3	4·0	37	− 1·0	+ 3·7	75	3·8	3·9	+ 0·5	25·7	25·7	24·5	...	23·0	22·2	21·9	f. : o. .
4	2·6	24	− 1·0	+ 2·8	70	3·0	3·0	− 0·4	25·7	25·7	24·4	...	23·2	22·3	22·0	o. .
5	0·1	1	− 0·4	+ 2·3	80	2·3	2·5	− 0·9	25·7	25·6	24·4	...	23·3	22·4	22·2	o. d. :
6	10·2	94	− 1·1	+ 2·5	66	2·7	2·7	− 0·8	25·7	25·6	24·3	...	23·4	22·6	22·5	f. : c.f : f. .
7	8·9	82	− 1·2	+ 2·1	60	2·4	2·4	− 1·1	25·7	25·6	24·3	...	23·4	22·6	22·4	f. ; c. : f. .
8	9·7	89	− 1·6	+ 2·8	60	3·2	3·3	− 0·2	25·7	25·6	24·3	...	23·5	22·4	22·2	f. .
9	6·0	55	− 1·4	+ 3·0	65	3·3	3·4	− 0·1	25·7	25·6	24·2	...	23·2	22·3	22·0	f. : c. : f. .
10	9·9	91	− 1·3	+ 3·3	68	3·5	3·5	0·0	25·7	25·5	24·2	...	23·2	22·2	21·8	f. .
11	8·5	78	− 0·9	+ 3·2	74	3·3	3·4	− 0·1	25·7	25·5	24·1	...	23·0	22·1	21·8	f. : c. f. :f .
12	8·4	77	− 0·1	+ 1·9	87	1·9	2·0	− 1·5	25·7	25·5	24·0	...	23·1	22·3	22·1	c.p. : f. .
13	7·2	66	− 1·7	+ 1·7	45	2·4	3·4	− 0·1	25·7	25·4	24·0	...	23·1	22·3	22·2	f .
14	5·8	53	− 3·5	+ 2·7	38	4·4	4·7	+ 1·2	25·7	25·5	24·0	...	22·9	22·0	21·5	f. : c.q. : f. .
15	9·9	91	− 1·8	+ 2·4	53	3·0	3·0	− 0·5	25·7	25·3	23·9	...	22·6	21·7	21·4	f. .
16	9·5	88	− 1·4	+ 2·6	62	2·9	3·0	− 0·5	25·7	25·2	23·8	...	22·5	21·6	21·3	c. : c.f. f. .
17	7·9	73	− 0·7	+ 3·6	79	3·6	3·9	+ 0·4	25·7	25·2	23·7	...	22·5	21·4	20·9	c.f. : c : f. .
18	6·8	62	+ 0·2	+ 3·0	94	3·0	3·0	− 0·5	25·7	25·2	23·6	...	22·2	21·2	21·0	f. : c . .
19	6·7	61	− 0·5	+ 2·9	80	2·9	3·1	− 0·5	25·6	25·1	23·5	...	22·3	21·9	22·5	c. : f. :
20	7·0	64	− 0·1	+ 2·9	88	2·9	2·9	− 0·7	25·6	25·1	23·5	...	22·7	22·3	22·5	c. g. : c.f. f. .
21	5·9	54	− 1·0	+ 1·4	55	1·5	2·0	− 1·6	25·6	25·1	23·5	...	23·0	22·6	22·6	c.f. f. :
22	6·4	59	− 3·6	+ 2·8	38	4·6	4·6	+ 1·0	25·6	25·1	23·6	...	23·1	22·4	22·1	c. : o. : c.f.q. f..
23	9·3	85	− 2·8	+ 4·3	57	5·1	5·2	+ 1·6	25·6	25·0	23·6	...	22·6	21·9	21·5	f. : c.g: c.f. : o.g..
24	7·3	67	− 1·9	+ 4·2	66	4·6	4·7	+ 1·1	25·7	24·9	23·5	...	22·5	21·6	21·0	c. f. : c : f .
25	7·7	71	− 1·8	+ 4·3	67	4·6	4·7	+ 1·1	25·6	25·1	23·4	...	22·1	21·3	20·6	c. c. f. ; c.g. .
26	7·6	70	− 1·3	+ 4·0	72	4·2	4·3	+ 0·7	25·6	25·1	23·4	...	22·2	21·2	20·8	c. : c.f. c. .
27	7·9	72	− 0·8	+ 5·2	81	5·3	5·3	+ 1·7	25·6	25·1	23·3	...	22·0	21·3	21·1	o.g. r. : c. : f. .
28	8·5	78	− 0·2	+ 4·3	87	4·3	4·4	+ 0·8	25·4	25·1	23·2	...	22·2	21·4	21·2	f. q. : c.f. : f:
29	5·6	51	+ 0·3	+ 3·0	96	3·0	3·1	− 0·5	25·6	24·9	23·2	...	22·3	21·6	21·6	f. : o. .
30	8·2	76	+ 0·1	+ 2·9	92	2·9	3·0	− 0·6	25·6	24·7	23·2	...	22·5	21·8	21·9	c.g. : c.f : c. : f .
Mean	7·04	64·5	− 1·23	+ 3·07	68·2	3·31	3·55	+ 0·03	25·66	25·31	23·87		22·84	21·99	21·75	...
Average	7·45	68·3	− 1·45	+ 2·62	61·0	3·00	3·52	...	25·45	25·43	...	...	...	22·63	22·50	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JUNE 1924.

Element	Highest		Date			Lowest		Date		
Atmospheric Pressure	1018·5 mbs	at	9h	on	23rd	1009·2 mbs	at	15h	on	18th
Temperature of the Air	25·0C		often			15·9C	at	5h00m	on	18th
Daily range of temperature of the Air...	8·1C		...	on	13th & 18th	3·4C		...	on	5th
Temperature of the Dew Point	20·8C	at	16h	on	5th	12·1C	at	23h	on	22nd 2h 26th
Daily range of temperature of the Dew Point	5·1C		...	on	11th & 26th	1·9C		...	on	27th
Relative humidity...	100·0%	at	7h	21st & 5 & 6	30th	50·7%	at	14h	on	23rd
Wind Velocity	9·6 m.p.s.	at	11h	on	23rd	0·6 m.p.s.		often		...
Rainfall	11·5 mm.	ending	6h	on	27th	..		...		...
Temperature of the soil at 3 ins. ...	23·9C	at	18h	on	7th	18·0C	at	9h	on	25th
,, ,, at 6 ins. ...	23·2C	at	21h	on	6th	20·7C	at	12h	on	25th
Duration of sunshine...	10·2		...	on	6th	0·1h		...	on	5th
Amount of Evaporation in 24 hours	5·8 mm.		...	on	12th	1·4 m.m.		...	on	5th
Vapour Tension	24·3 mbs	at	16h	on	5th	14·0 mbs	at	23h on	22nd & 2h on	26th
Minimum on Grass	...		...		...	10·4C		...	on	16th

Number of Days Overcast, 3, Clear 4, of Rain 11, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 21·97C, Average 22·26C, Mean Night Temperature of Air 19·12C, Average 18·74C.

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

† Thermometer broken.

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

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

JUNE 1924.

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	0162	0155	0148	0129	0111	0110	0122	0113	0121	0142	0156	0141	0140	0140	0141	0136	Midnight
1h	0159	0152	0142	0125	0109	0109	0120	0109	0117	0141	0150	0138	0134	0140	0138	0131	1h
2	0156	0148	0138	0118	0101	0107	0119	0104	0114	0138	0148	0134	0131	0133	0132	0125	2
3	0150	0142	0132	0116	0096	0107	0114	0102	0111	0135	0149	0133	0128	0127	0129	0124	3
4	0148	0141	0131	0112	0098	0107	0110	0100	0110	0134	0148	0133	0127	0124	0128	0123	4
5	0145	0142	0131	0114	0101	0107	0110	0100	0112	0137	0148	0133	0129	0124	0129	0123	5
6	0150	0147	0132	0115	0102	0109	0114	0102	0114	0140	0150	0136	0130	0127	0132	0125	6
7	0155	0152	0134	0122	0106	0112	0119	0106	0115	0145	0151	0140	0134	0133	0133	0127	7
8	0166	0153	0142	0124	0111	0121	0122	0111	0125	0153	0156	0145	0139	0135	0139	0133	8
9	0167	0156	0144	0125	0118	0123	0125	0115	0130	0160	0160	0149	0146	0142	0143	0138	9
10	0168	0160	0145	0124	0120	0122	0122	0116	0131	0160	0159	0151	0145	0145	0143	0137	10
11	0162	0153	0143	0121	0113	0117	0120	0112	0127	0157	0152	0143	0143	0143	0139	0133	11
Noon	0153	0145	0141	0115	0109	0114	0114	0106	0125	0150	0147	0137	0139	0141	0132	0126	Noon
13h	0146	0139	0131	0103	0101	0105	0103	0100	0118	0141	0137	0129	0129	0131	0124	0121	13h
14	0140	0132	0124	0101	0099	0101	0100	0094	0117	0135	0129	0125	0127	0130	0123	0119	14
15	0141	0131	0124	0100	0100	0100	0099	0095	0118	0136	0124	0122	0125	0128	0123	0117	15
16	0141	0131	0123	0101	0101	0101	0101	0098	0118	0138	0123	0123	0126	0129	0124	0118	16
17	0143	0133	0122	0101	0104	0104	0102	0103	0121	0141	0129	0128	0128	0128	0125	0119	17
18	0148	0134	0125	0103	0107	0109	0105	0108	0124	0142	0134	0129	0132	0129	0126	0121	18
19	0152	0141	0132	0105	0112	0114	0110	0114	0128	0151	0141	0135	0137	0133	0130	0133	19
20	0159	0150	0135	0113	0114	0120	0114	0117	0133	0154	0144	0138	0140	0140	0134	0134	20
21	0160	0149	0135	0114	0115	0122	0116	0121	0135	0156	0145	0140	0144	0144	0137	0140	21
22	0162	0150	0134	0114	0115	0124	0115	0122	0139	0159	0146	0142	0144	0146	0137	0141	22
23	0160	0150	0132	0113	0113	0123	0114	0122	0142	0158	0144	0141	0141	0144	0139	0142	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	0133	0125	0113	0130	0144	0155	0169	0174	0167	0168	0160	0146	0132	0126	...	1014·0	Midnight
1h	0132	0123	0111	0133	0144	0154	0170	0173	0166	0166	0160	0145	0128	0124	...	1013·8	1h
2	0125	0115	0102	0128	0143	0151	0165	0169	0162	0164	0155	0141	0124	0118	...	1013·4	2
3	0124	0109	0100	0125	0140	0150	0164	0168	0159	0164	0154	0135	0121	0113	...	1013·1	3
4	0121	0106	0099	0122	0132	0149	0165	0167	0155	0165	0149	0132	0121	0110	...	1012·9	4
5	0122	0106	0096	0123	0133	0145	0166	0168	0158	0164	0148	0133	0121	0111	...	1012·9	5
6	0123	0107	0097	0126	0137	0152	0170	0170	0160	0165	0149	0133	0123	0113	...	1013·2	6
7	0126	0114	0108	0131	0145	0154	0174	0175	0166	0169	0152	0137	0128	0117	...	1013·6	7
8	0132	0118	0113	0136	0155	0162	0177	0179	0175	0173	0155	0144	0136	0124	...	1014·2	8
9	0138	0123	0121	0144	0163	0167	0185	0181	0176	0176	0162	0146	0140	0127	...	1014·6	9
10	0129	0121	0123	0146	0162	0168	0178	0182	0176	0177	0162	0145	0138	0129	...	1014·6	10
11	0135	0114	0118	0138	0160	0162	0172	0175	0173	0175	0155	0138	0134	0124	...	1014·2	11
Noon	0128	0110	0114	0134	0153	0155	0167	0169	0167	0167	0152	0131	0128	0119	...	1013·6	Noon
13h	0121	0102	0104	0127	0143	0151	0162	0163	0159	0160	0142	0125	0125	0110	...	1012·8	13h
14	0123	0095	0102	0122	0139	0143	0158	0159	0153	0153	0133	0119	0120	0105	...	1012·4	14
15	0112	0092	0101	0123	0140	0142	0157	0158	0154	0151	0132	0117	0117	0102	...	1012·3	15
16	0112	0093	0104	0124	0140	0149	0159	0159	0156	0152	0132	0118	0116	0102	...	1012·4	16
17	0113	0095	0110	0129	0141	0150	0161	0160	0160	0152	0134	0119	0121	0103	...	1012·6	17
18	0115	0101	0115	0134	0148	0155	0165	0163	0165	0154	0139	0122	0125	0109	...	1012·9	18
19	0116	0105	0118	0136	0150	0165	0170	0166	0170	0160	0143	0125	0126	0111	...	1013·4	19
20	0122	0111	0126	0145	0154	0167	0173	0167	0174	0162	0147	0131	0133	0116	...	1013·9	20
21	0126	0114	0127	0150	0161	0169	0175	0171	0175	0163	0151	0135	0134	0120	...	1014·1	21
22	0126	0115	0131	0152	0161	0171	0181	0172	0175	0164	0152	0134	0133	0118	...	1014·2	22
23	0126	0116	0131	0138	0159	0170	0176	0170	0172	0162	0150	0133	0130	0116	...	1014·1	23

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

JUNE 1924.

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

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

JUNE 1924.

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

The total amount of registered sunshine was 211·2 hours and the total possible sunshine 327·2 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

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	20·0	3·1	18·0	2·7	19·2	1·7	20·0	2·5	19·9	1·1	19.9	0·9	19·2	0·9	19·2	0·5	Midnight
1h	19·9	3·2	18·3	2·8	19·2	1·5	19·9	2·5	20·0	1·1	19·7	1·0	18·7	1·0	19·1	0·9	1
2	19·7	3·0	19·0	3·3	20·0	2·0	19·8	2·2	20·0	1·3	19·8	0·9	17·5	1·0	19·1	1·0	2
3	19·1	3·1	19·0	3·1	19·7	2·7	19·7	2·4	20·1	1·1	19·7	0·8	17·3	1·0	19·1	1·1	3
4	18·3	2·0	18·6	3·1	19·7	2·5	19·2	1·4	20·1	0·9	19·1	0·6	17·5	0·7	18·9	1·0	4
5	18·3	2·1	18·2	2·9	19·6	2·1	19·2	1·3	20·2	0·7	19·5	0·7	17·8	0·9	19·2	1·0	5
6	18·1	2·8	17·4	2·4	19·6	2·2	19·1	1·4	20·3	0·6	19·2	0·6	17·5	0·7	19·1	1·2	6
7	18·0	2·3	16·7	1·8	20·7	1·5	19·1	1·6	20·3	0·4	19·8	0·6	18·0	1·0	19·1	1·2	7
8	18·5	1·3	19·2	3·0	21·8	1·6	19·9	1·7	21·0	0·6	22·0	1·3	19·5	0·5	21·2	1·9	8
9	21·1	2·6	21·5	4·0	23·0	2·5	21·7	2·8	21·3	0·6	22·9	2·6	22·0	2·0	22·2	2·4	9
10	21·5	3·5	21·9	4·3	23·2	2.0	23·1	4·2	22·0	0·9	23·5	3·2	23·2	4·4	23·4	3·7	10
11	21·9	3·2	22·2	4·4	22·3	1·3	23·3	4·2	22·9	1·6	23·7	3·0	23·5	3·8	23·6	3·8	11
Noon	23·0	4·1	23·3	5·2	21·5	1·0	23·3	4·7	22·0	1·0	24·2	3·6	24·1	4·4	24·1	4·3	Noon
13h	23·1	5·1	23·5	5·4	21·3	0·9	23·2	4·5	22·1	0·9	24·6	3·9	24·2	4·4	23·4	3·9	13h
14	23·1	4·8	23·4	5·3	21·9	1·9	23·1	3·9	21·4	0·4	24·5	3·6	24·1	4·2	23·5	4.0	14
15	21·5	3·3	22·8	4·9	21·7	2.1	22·5	3·3	21·0	0·8	24·1	3·5	23·8	4·1	23·5	3·5	15
16	21·6	3·5	22·2	4·7	21·4	2·1	21·6	2·6	20·9	0·6	23·2	3·0	23·0	3·8	23·1	3.4	16
17	21·0	3·8	21·7	4·0	21·0	2·1	21·3	2·4	20·7	0·5	22·6	2·6	22·0	2·6	22·1	3.0	17
18	19·9	3·4	20·2	3·0	20·8	2·1	20·7	2·2	20·0	0·8	21·0	1·4	20·7	1·9	20·6	2·0	18
19	19·1	3·0	19·8	2·8	20·5	2·2	20·2	2·1	20·2	0·4	20·7	1·5	20·0	1·7	19·7	1.7	19
20	19·0	2·7	18·9	1·9	20·9	2·3	19·3	1·6	20·3	0·4	20·3	1·2	18·0	1·2	19·8	1·8	20
21	19·1	2·8	19·0	1·8	20·7	2·2	19·1	1·4	20·2	0·9	20·0	1·2	17·7	1·1	19·6	1·6	21
22	18·3	2·3	19·3	2·0	20·3	2·0	19·1	1·5	19·6	0·6	19·6	1·1	18·6	1·0	19·0	1.4	22
23	18·0	2·7	19·2	2·0	20·6	2·5	19·5	1·3	19·9	0·8	19·7	1·1	19·1	1·0	17·9	1.1	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	18·1	1·1	19·2	1·3	19·8	1·9	20·0	1·0	19·7	1·6	17·2	1·1	19·0	1·8	16·9	1·9	Midnight
1h	19·0	1·1	18·6	1·6	19·8	1·8	20·5	0·7	19·7	1·6	17·5	1·2	19·0	1·7	17·9	1·6	1h
2	19·0	1·1	17·9	1·7	19·2	1 3	20·9	0·9	19·4	1·3	16·3	1·1	19·0	1·7	18·5	1·7	2
3	18 6	1·0	17·6	1·5	18·6	1·4	20·0	0·7	19·2	1·0	16·2	0·7	18·7	1·7	18·0	1·9	3
4	18·3	1·1	17·3	1·3	18·0	1.3	20·2	0·4	19·1	0·1	16·6	1·2	19·0	2·1	18·6	2·4	4
5	18·1	0·5	17·0	1·2	17·3	1·3	21·0	1·0	19·2	1·1	16·6	0·7	18·6	2·4	18·1	2·5	5
6	19·7	1·3	17·2	1·1	17·0	1·1	20·7	1·5	18·9	1·0	16·7	1·2	18·2	2·1	17·6	2·1	6
7	20·0	1·5	17·3	1·1	16·7	1.2	20·5	1·3	19·0	0·9	18·1	1·2	19·0	2·7	17·1	1·8	7
8	21·0	2·0	19·5	1·6	20·0	1·2	21·6	1·6	21·0	1·1	20·4	1·6	20·3	2·4	18·7	1·7	8
9	22·0	2·1	22·2	3·9	23·0	3·0	22·7	2·7	22·4	1·9	22·3	3·1	22·0	3·6	21·6	3·8	9
10	22·8	2·8	23·3	4·8	23·5	3·2	22·9	2·6	23·7	3·7	21·8	2·0	22·7	3·8	22·8	5·1	10
11	23·2	3·4	23·8	5·2	23·5	2·8	23·7	2·9	24·2	3·9	21·7	1·8	23·0	4·3	23·2	5·7	11
Noon	23·2	3·2	24·0	5·0	23·4	2·6	23·9	3·2	24·2	4·3	21·2	1·4	23·1	4·7	23·2	5·0	Noon
13h	23·5	4·1	24·2	5·3	22·1	1·4	24·1	3·8	24·8	4·4	22·2	1·7	23 0	5·1	23·2	4·9	13h
14	23·3	3·6	23·7	4·5	23·1	2·8	23·7	3·9	24·3	3·0	20·5	1·1	22·8	4·7	23·3	5·3	14
15	21·2	1·6	23·5	4·7	23·3	3·0	23·3	3·6	24·0	2·9	21·0	1·8	22·3	4·3	23·0	5·0	15
16	21·6	2·4	23·0	4·5	23·0	2·2	23·1	3·1	23·5	3·3	21·2	2·3	21·9	3·4	22·6	4·7	16
17	21·6	2·9	22·2	3·3	22·3	2·3	22·4	3·3	22·7	2·8	20·6	2·1	20·9	3·3	21·5	3·4	17
18	20·8	2·2	20·9	2·7	21·2	1·7	21·2	2·4	20·9	2·1	20·0	2·1	20·0	2·9	20·0	2·3	18
19	20·2	2·0	20·5	2·4	20·6	1·7	20·6	2·1	19·0	1·5	19·7	2·0	18·9	2·5	19·7	1·8	19
20	20·2	1·9	20·3	2·2	20·0	1·0	20·3	2·0	18·3	1·4	19·6	1·8	19·0	2·4	18·7	1·7	20
21	19·7	2·1	20·2	1·9	20·0	1·0	20·2	1·8	17·8	1·3	19·6	2·0	18·5	2·5	17·6	0·7	21
22	20·0	2·2	19·6	1·8	19·7	0·9	19 9	1·6	17·3	1·4	19·0	1·4	17·9	2·1	17·1	1·2	22
23	19·6	1·7	19·7	2·0	19·6	1·0	19·7	1·5	16·9	1·4	19·0	1·6	16·9	2·0	17·9	1·7	23

TABLE X. (*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 1924

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	17·9	1·7	18·5	1·5	19·3	1·1	20·1	0·9	20·4	0·5	20·0	1·4	19·1	3.0	18·1	1·2	Midnight
1h	17·1	1·1	17·9	1·4	19·2	0·6	20·1	1·0	20·2	0·5	...	...	19·1	3·0	18·0	1·3	1h
2	17·0	1·1	17·0	1·0	19·2	0·5	19·9	0·9	20·0	0·7	...	...	19·1	2·5	18·0	1·9	2
3	18·3	1·4	16·3	1·3	19·1	1·0	19·8	0·9	20·0	0·6	19·8	0·8	19·0	3·4	18·0	1·5	3
4	17·7	1·6	16·1	1·1	19·2	1·0	19·8	0·8	19·5	0·5	...	...	18·4	3·2	18·0	1·8	4
5	17·0	1·2	15·9	1·0	19·4	0·8	19·9	0·8	19·0	0·3	...	...	19·3	3·0	18·0	1·9	5
6	16·9	1·2	16·3	1·0	20·0	1·0	20·1	1·0	18·9	0·5	19·2	1·2	19·5	3·1	17·9	1·6	6
7	16·5	1·2	17·2	0·8	20·0	0·8	20·0	1·1	18·9	0·0	...	...	20·0	4·1	18·0	1·9	7
8	18·9	1·3	20·0	1·1	21·0	0·9	20·9	1·0	21·6	0·9	...	...	20·5	4·4	19·0	2·9	8
9	21·2	2·1	22·0	2.0	23·1	2.6	22·2	2·1	23·2	2·2	21·7	2·6	21·1	2·8	20·2	3·0	9
10	21·9	2·9	23·1	3·3	22·4	1·6	23·6	3·4	22·9	2·4	...	...	22·1	5·1	20·8	2·9	10
11	22·3	3·4	23·3	4·1	23·6	3·3	23·6	2·4	23·2	2·8	...	...	22·7	5·4	21·4	4·1	11
Noon	23·4	4·5	23·6	3·6	24·2	3·1	25·0	3·9	24·0	3·4	22·5	3·4	22·8	5·7	21·9	4·4	Noon
13h	23·0	3·5	23·2	3·2	24·8	4·6	23·4	2·2	24·7	4·4	22·7	3·8	23·0	5·1	21·8	3·6	13h
14	22·1	3·2	23·6	3·9	24·6	4·4	24·4	3·3	24·2	2·9	22·2	3·7	22·9	6·2	20·4	2·6	14
15	22·0	3·4	23·4	3·5	23·6	3.5	24·5	3·2	23·2	2·1	21·5	3·8	22·8	5·6	20·9	2·7	15
16	22·5	3·6	22·5	2·8	23·4	3·1	23·5	2·5	23·5	2·4	21·2	4·1	21·9	4·2	20·2	1·4	16
17	21·5	3·4	22·0	2·2	22·3	2·3	23·1	2·2	22·0	2·1	20·6	3·6	21·0	4·4	19·3	1·0	17
18	20·3	2·7	21·0	2·0	21·2	1.5	22·0	1·9	20·9	1·9	19·9	3·4	19·2	2·3	18·6	1·5	18
19	19·7	2·2	20·8	1·6	20·6	1·4	20·9	1·0	20·3	1·6	19·9	3·4	19·1	1·6	18·5	1·8	19
20	19·6	2·0	20·9	1 7	20·4	1·3	20·3	1·1	20·0	1·5	19·7	3·3	19·0	1·7	18·3	1·6	20
21	20·0	2·3	20·5	1·5	20·0	1·0	20·9	1·2	19·8	1·4	19·5	3·0	19·0	0·8	18·6	1·6	21
22	19·5	2·0	19·6	1·0	19·8	0·8	20·0	0·7	19·9	1·5	19·2	3·3	18·4	0·8	19·0	1·7	22
23	19·0	1·5	19·0	0·5	20·0	0·9	20·6	0·9	19·9	1·4	18·8	3·7	18·3	0·9	19·0	2·1	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.	Air.	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	18·1	1·2	20·3	4·2	18·5	0·6	20·0	1·9	20·0	1·7	19·0	0·3	...	...	19·1	1·5	Midnight
1h	17·9	1·8	19·7	3·9	19·9	1·5	19·9	1·9	19·2	1·1	18·9	0·1	...	...	19·1	1·5	1h
2	18·5	2·2	20·0	4·4	20·0	1·4	19·3	1·7	18·9	1·0	19·2	0·3	...	...	19·0	1·5	2
3	18·4	2·5	19·5	4·0	20·0	1·4	19·0	1·6	19·0	1·0	19·7	0·7	...	...	18·8	1·5	3
4	18·6	2·6	18·6	2·0	19·8	1·3	18·6	1·2	18·8	1·4	19·3	0·3	...	...	18·7	1·5	4
5	17·8	2·9	18·8	2·7	19·0	0·9	18·5	1·2	18·1	1·6	19·1	0·0	...	...	18·5	1·3	5
6	17·2	1·7	18·0	1·8	19·0	1·0	18·5	1·4	18·0	1·7	19·0	0·0	...	..	18·5	1·4	6
7	18·0	3·1	19·3	3·6	19·6	1·6	19·0	1·3	18·0	1·8	19·5	0·5	...	...	18·7	1·4	7
8	18·8	2·3	20·2	3·9	20·2	2·0	20·0	1·8	19·0	1·2	20·2	1·0	...	...	20·2	1·7	8
9	20·9	3·0	21·3	4·4	21·5	3·1	22·1	4·1	22·2	3·1	21·8	1·7	...	...	22·0	2·8	9
10	22·1	3·9	22·5	5·6	22·2	3·5	23·2	4·3	23·1	3·9	22·7	2·5	...	...	22·7	3·4	10
11	22·5	5·0	22·2	5·2	22·6	4·0	23·4	4·5	22·8	3·3	23·5	2·8	...	...	23·0	3·6	11
Noon	23·2	5·5	22·9	5·8	23·4	3·3	23·7	4·7	23·2	2·9	23·8	3·1	...	...	23·3	3·8	Noon
13h	23·1	5·1	23·2	5·7	23·3	4·3	23·1	3·2	23·5	3·6	24·1	3·2	...	...	23·3	3·8	13h
14	22·8	5·0	23·0	5·8	23·7	4·6	23·8	4·1	23·2	3·0	24·0	3·7	...	..	23·2	3·8	14
15	23·0	5·5	23·2	5·4	22·7	4·0	23·0	3·7	22·9	3·5	23·5	3·0	...	...	22·8	3·5	15
16	21·9	3·9	22·7	5·3	22·2	3·2	21·2	2·2	22·2	2·6	23·1	3·0	...	...	22·3	3·1	16
17	21·2	3·9	21·9	4·1	21·9	2·9	21·1	1·3	20·3	1·7	22·5	2·5	...	...	21·6	2·7	17
18	20·7	3·6	20·3	3·0	20·7	2·6	21·0	2·0	19·9	0·9	21·4	2·5	...	...	20·6	2·2	18
19	20·1	3·5	19·0	2·0	20·3	2·4	20·9	2·3	19·5	1·2	21·2	1·8	...	...	20·0	1·9	19
20	20·3	3·4	19·0	1·1	20·2	2·2	20·7	1·9	19·6	0·9	20·0	1·0	...	...	19·7	1·7	20
21	20·1	3·4	19·0	1·0	20·1	2·2	20·5	1·9	20·0	1·0	19·2	0·6	...	...	19·5	1·6	21
22	20·2	4·2	19·0	1·0	20·0	2·0	20·1	1·6	19·8	0·7	18·9	0·6	...	...	19·3	1·5	22
23	19 9	3·4	18·9	0·9	20·0	1·9	19·8	1·6	19·5	0·7	18·5	0·5	...	...	19·2	1·5	23

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

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

JUNE 1924.

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	879	921	885	915	893	916	888	930	887	913	889	926	887	913	886	914	Midnight
1h	880	920	885	915	893	915	878	922	882	918	893	916	891	912	887	919	1h
2	879	921	882	918	890	923	888	930	885	938	892	919	896	904	885	923	2
3	885	915	880	920	888	931	889	926	884	939	895	911	890	914	886	921	3
4	866	914	878	922	892	920	893	917	891	921	894	914	889	911	889	916	4
5	879	904	875	925	885	924	889	926	900	916	894	914	889	911	886	921	5
6	885	910	873	927	890	923	892	918	892	918	891	913	892	908	883	925	6
7	888	912	871	929	885	923	892	920	892	918	891	912	892	910	889	916	7
8	877	923	876	936	885	937	892	920	896	918	890	924	893	909	886	922	8
9	882	927	871	943	890	947	900	932	906	930	885	938	883	925	885	938	9
10	888	931	858	962	889	955	900	959	900	919	900	942	886	935	881	947	10
11	860	960	861	958	879	950	888	961	907	934	877	935	879	951	878	954	11
Noon	862	957	862	957	887	964	890	951	900	930	892	941	892	941	887	965	Noon
13h	868	948	881	947	900	954	900	953	904	919	884	939	883	943	883	941	13h
14	867	949	875	961	900	966	890	948	900	921	879	952	881	947	878	954	14
15	858	963	874	964	879	952	886	936	905	925	883	941	875	938	883	941	15
16	870	945	883	943	900	947	886	936	900	926	883	941	883	926	882	945	16
17	869	931	885	937	891	943	892	920	900	931	889	926	886	922	878	932	17
18	876	924	887	932	894	931	890	914	878	922	894	913	889	916	885	915	18
19	864	924	889	927	884	939	893	909	909	912	894	914	891	913	887	913	19
20	880	920	892	918	887	932	890	915	889	926	891	922	897	905	884	916	20
21	887	913	890	923	885	937	888	909	900	926	891	922	897	905	881	912	21
22	882	918	890	925	894	930	887	913	900	916	890	914	887	920	886	910	22
23	888	919	890	925	894	928	892	911	893	916	888	918	889	917	887	909	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	911	895	912	886	921	900	928	887	932	866	914	889	911	889	911	Midnight
1h	883	917	891	913	886	922	900	922	893	915	858	909	889	917	892	918	1h
2	887	913	892	910	888	919	900	925	894	913	841	912	885	915	885	915	2
3	889	911	893	916	891	913	900	927	897	907	847	911	885	915	885	915	3
4	889	911	890	915	890	915	900	923	897	906	858	909	882	918	882	918	4
5	887	913	891	913	891	912	900	923	898	906	870	906	887	913	890	915	5
6	890	925	889	916	890	914	900	926	897	908	869	906	887	912	889	915	6
7	880	908	889	916	890	915	900	919	896	910	854	930	884	916	884	916	7
8	881	928	889	917	900	927	900	919	885	938	869	931	892	908	892	908	8
9	878	954	888	930	883	941	900	934	885	938	870	945	873	927	886	936	9
10	879	951	890	948	887	933	900	922	900	938	864	936	871	944	880	949	10
11	889	955	887	962	900	957	900	932	908	941	850	950	874	939	882	943	11
Noon	891	943	879	952	890	951	900	929	891	943	846	954	879	952	879	952	Noon
13h	900	955	878	953	911	953	900	929	900	944	856	966	870	945	879	950	13h
14	900	951	876	957	889	952	900	915	854	900	862	957	872	942	881	947	14
15	870	946	888	958	900	956	897	916	881	854	854	946	872	941	881	946	15
16	869	946	888	960	889	952	900	911	891	854	853	947	875	937	883	942	16
17	882	927	879	950	891	942	896	921	873	941	859	928	886	936	886	936	17
18	883	926	883	941	885	937	898	912	877	934	882	918	882	918	886	922	18
19	885	937	887	933	887	934	896	909	868	947	876	924	887	913	890	916	19
20	888	919	887	932	890	923	897	906	838	900	882	918	889	911	891	912	20
21	881	929	887	932	889	927	897	907	840	912	883	917	886	914	894	908	21
22	898	922	888	919	890	923	896	910	880	920	888	912	890	910	892	911	22
23	893	915	885	924	891	921	896	910	880	913	880	910	884	916	887	919	23

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

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

JUNE 1924.

Day. / Hour.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d. N.	20d. E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.	Day. / Hour.
Midnight	895	911	900	921	891	922	892	918	893	917	891	904	882	927	861	939	Midnight
1h	892	918	900	925	889	926	894	913	894	913	894	903	868	932	876	936	1h
2	886	934	900	918	886	934	893	917	894	914	892	903	862	938	866	934	2
3	885	923	900	914	890	925	893	915	893	916	881	900	876	936	866	934	3
4	886	914	897	914	889	926	893	916	894	915	879	900	880	920	870	930	4
5	887	913	895	922	888	931	892	920	893	917	900	909	873	927	886	934	5
6	887	913	896	918	893	932	900	916	890	925	874	917	879	931	887	933	6
7	890	910	896	921	896	920	900	915	894	915	877	910	875	937	883	941	7
8	885	915	895	924	895	926	900	913	895	911	874	917	879	950	877	934	8
9	890	948	900	932	907	936	900	948	900	918	854	930	871	944	889	953	9
10	900	954	916	939	900	932	900	944	892	919	863	937	861	959	875	960	10
11	900	960	909	943	908	941	900	939	900	919	865	935	847	980	887	963	11
Noon	900	954	911	953	908	938	900	953	900	926	848	934	869	975	880	949	Noon
13h	887	963	909	943	900	946	912	957	900	924	843	938	852	972	878	954	13h
14	888	961	911	956	908	939	909	946	879	891	821	953	858	963	900	963	14
15	900	961	909	944	900	939	900	944	873	882	843	957	859	962	874	964	15
16	900	963	900	944	893	935	900	949	887	894	823	951	864	955	882	944	16
17	900	962	900	934	895	926	900	937	885	923	839	941	883	925	885	938	17
18	892	941	900	939	891	921	900	925	891	909	856	929	878	932	877	934	18
19	894	930	911	927	892	919	900	920	881	919	869	931	872	941	893	932	19
20	889	927	900	918	890	923	900	914	882	918	869	931	887	932	889	928	20
21	892	940	900	921	890	923	900	922	883	917	863	937	887	932	886	936	21
22	900	938	900	918	889	926	896	918	888	912	848	952	879	931	891	943	22
23	900	920	890	923	894	913	894	928	885	915	878	933	893	933	884	940	23

Day. / Hour.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	N.	E.	Mean. N.	Mean. E.	Day. / Hour.
Midnight	887	933	878	952	890	915	891	943	900	928	892	919	...	...	888	921	Midnight
1h	886	936	882	943	881	919	894	930	900	929	886	934	...	...	887	921	1h
2	891	943	900	948	900	936	893	932	900	921	854	929	...	...	888	923	2
3	885	924	900	943	900	936	894	928	900	927	992	920	...	...	888	921	3
4	888	919	892	938	883	942	895	925	900	916	890	925	...	...	887	918	4
5	886	922	890	924	888	957	896	920	900	917	890	923	...	...	889	919	5
6	886	921	880	930	886	967	893	932	893	933	900	930	...	...	888	922	6
7	889	926	891	945	882	943	894	931	896	920	900	928	...	...	888	921	7
8	875	937	891	943	900	961	892	941	896	921	900	931	...	...	889	926	8
9	880	948	891	943	900	956	900	946	907	935	907	936	...	...	889	939	9
10	877	955	878	953	886	973	912	960	908	939	909	942	...	...	888	945	10
11	877	956	887	963	900	968	911	956	908	939	909	943	...	...	888	950	11
Noon	875	961	875	961	884	980	887	962	910	949	910	948	...	...	886	951	Noon
13h	872	967	871	970	900	962	900	957	922	952	907	935	...	...	888	949	13h
14	886	968	874	963	886	967	900	962	916	939	909	945	...	...	885	948	14
15	873	966	900	956	885	977	900	963	909	943	909	942	...	...	884	944	15
16	875	961	878	954	900	966	912	959	917	941	916	939	...	...	886	940	16
17	880	949	883	941	900	959	900	946	906	930	905	924	...	...	887	935	17
18	882	945	892	919	890	949	900	948	900	939	900	918	...	...	887	928	18
19	892	937	890	915	892	939	900	940	885	923	900	916	...	...	889	925	19
20	883	941	889	917	891	945	900	948	900	916	900	909	...	...	888	922	20
21	885	937	890	915	900	940	900	937	900	929	900	918	...	...	889	923	21
22	877	934	887	919	892	940	892	940	900	925	900	919	...	...	889	923	22
23	891	942	885	923	892	937	900	936	900	923	900	921	...	...	890	922	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during JUNE 1924.

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 1924.

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

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	1·2	8	2·1	6	2·4	6	2·0	6	1·9	2	1·0	5	3·2	4	5·5	6	3·5	6	5·7	5	1·8	7	4·4	8	2·8	6	2·1	...	...	2·6
1h	6	2·0	8	2·5	6	2·8	6	1·4	6	1·4	2	0·7	4	4·5	5	4·4	6	3·9	6	4·7	4	2·7	7	3·1	8	2·9	6	3·7	...	...	2·6
2	6	3·7	8	1·8	6	3·7	6	1·9	6	1·5	2	0·9	4	5·4	4	4·8	7	4·4	8	4·8	8	3·6	7	3·3	8	2·1	7	3·0	...	...	2·8
3	5	2·7	8	1·4	6	2·7	6	1·7	6	1·8	0	1·9	5	4·4	4	4·9	5	2·8	8	4·3	8	3·6	7	2·9	8	2·7	6	2·2	...	...	2·6
4	4	2·0	7	1·4	6	2·8	6	1·8	6	1·6	0	2·1	4	2·9	4	4·3	5	2·2	7	3·9	6	4·5	7	2·6	8	1·6	6	2·7	...	...	2·4
5	4	1·8	7	2·3	6	3·3	6	2·2	6	1·9	8	0·9	4	3·9	0	3·7	5	2·6	6	2·6	7	5·8	7	2·0	8	1·7	6	2·5	...	...	2·3
6	4	1·8	7	1·8	7	3·3	8	1·6	6	2·7	3	3·1	5	3·7	6	3·5	5	2·5	5	3·6	7	6·8	7	3·3	7	3·4	8	3·0	...	...	2·6
7	4	1·4	7	2·2	7	2·0	8	1·5	6	1·6	2	2·5	5	4·5	6	4·4	6	2·8	7	4·6	6	4·7	7	3·2	7	2·0	8	2·8	...	..	2·6
8	4	2·1	7	2·5	7	2·7	8	1·3	6	1·2	3	3·1	6	5·4	5	4·1	5	4·5	7	4·4	8	6·1	7	4·2	7	2·1	8	3·1	...	..	3·0
9	7	4·9	8	3·2	9	3·7	8	4·8	8	1·8	3	5·5	5	5·3	7	5·4	6	5·2	7	4·4	8	5·6	8	4·6	9	3·6	9	3·7	...	...	4·2
10	8	5·4	10	4·2	8	3.2	8	4·4	6	2·1	4	5·3	5	7·1	6	6·5	6	6·0	6	5·8	7	7·4	9	6·1	9	4·0	9	4·3	...	...	4·8
11	8	6·0	9	4·4	9	4·2	8	3·9	8	1·9	4	5·0	5	9·6	7	6·4	6	6·1	7	6·4	8	6·8	9	5·7	9	4·0	9	4·4	...	...	5·4
Noon	8	5·4	9	5·4	9	3·9	8	5·3	8	2·6	3	6·2	6	8·1	6	5·3	6	6·6	6	6·6	7	8·2	7	6·3	9	5·0	9	4·9	...	...	5·5
13h	7	6·4	9	4·4	8	4·6	9	5·8	8	2·4	3	6·9	5	8·6	6	5·9	6	7·3	6	7·0	8	6·2	8	5·7	10	5·7	9	3·6	...	...	5·4
14	7	6·2	9	5·7	9	4·0	9	4·7	r 30	2·3	3	9·5	5	7·6	8	6·3	7	6·9	6	6·8	7	6·8	8	6·2	10	4·2	9	4·6	...	...	5·5
15	8	6·1	9	4·5	8	3·9	8	4·4	29	3·2	4	8·1	5	7·4	6	6·9	6	7·1	8	5·0	7	7·9	8	6·3	9	4·4	9	4·3	...	...	5·3
16	8	6·3	8	4·4	7	3·6	8	4·9	30	1·4	3	9·2	5	6·6	6	4·8	6	6·6	6	5·9	8	6·6	9	6·0	10	4·4	10	4·2	...	...	4·9
17	8	6·2	8	3·4	7	2·7	8	3·7	d 5	2·7	3	7·3	5	3·0	6	4·1	6	5·3	6	4·4	8	5·9	8	4·6	9	3·1	9	2·5	...	...	4·0
18	7	4·2	8	3·9	6	2·3	8	2·5	4	1·3	3	5·3	5	3·9	5	4·1	6	4·9	6	2·1	7	5·0	8	4·8	8	3·9	8	1·8	...	...	3·2
19	7	3·1	10	2·9	6	2·1	8	2·0	4	2·7	4	4·4	5	5·0	7	3·3	7	3·8	5	1·8	7	4·0	8	4·0	5	2·7	8	1·6	...	...	2·9
20	6	2·9	8	1·8	6	2·5	8	1·4	4	2·5	4	4·4	6	3·4	6	3·0	6	4·4	5	2·0	7	4·6	8	4·8	8	1·6	8	0·9	...	...	2·6
21	7	4·1	8	2·1	6	2·5	8	2·2	4	2·4	4	5·3	6	3.4	6	3·9	6	4·0	5	1·8	8	4·0	8	3·7	8	2·9	8	1·8	...	...	2·8
22	8	3·8	8	1·8	6	2·8	7	1·8	4	1·7	4	7·3	5	3·7	7	4·4	5	4·1	5	2·3	7	4·1	7	4·1	8	2·5	8	1·9	...	...	2·6
23	8	2·0	6	2·5	6	1·4	7	2·9	4	2·1	5	4·0	7	3·4	6	4·3	7	4·3	5	2·7	7	3·8	r 8	3·6	8	2·3	8	2·1	...	...	2·5

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JUNE 1924.

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of JUNE 1924.

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	2·03	51·6	64·5	8
	3	Belmont	50	1·27	32·3	85·3	4
	4	Poudre d'Or	20	0·68	17·2	83·6	4
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	2.75	69·8	123·7	11
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais§ ...	290	...	...	...	...
	9	Beau Séjour§	300	...	...	...	...
	10	Mont Piton§	860	...	...	...	...
	11	Mon Choix§	700	...	...	...	...
	12	Antoinette	640	3·34	84·8	122·2	12
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	2·84	72.1	155·9	15
	15	Mon Songe	620	2·08	52·8	123·2	8
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	2·22	56·4	81·0	22
	19	The Observatory ...	179	1·49	37·2	65·5	11
	20	Solitude	175	1·39	35·3	28·2	7
	21	St. André	90	0·74	18.8	43·7	4
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	1·90	48.3	...	5
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	..	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* .	296	1·88	47·0	...	10
	49	Poudre d'Or Station§ ...	172	...	...	...	...
	50	Rivière du Rempart* ...	134	0·52	13·2	...	5
2 & 3	1	Union Régnard S.E. ...	600	3·39	86·1	164·6	13
	2	Constance d'Arifat L.G.	100	2·36	59·9	116·8	12
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	4·28	108·7	130·3	11
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)* ...	...	4.15	105·4	...	9
	9	Belle Vue (Allendy)* ...	...	3.15	80·0	...	11
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci	900	8·49	215·6	274·6	22
	2	Etoile	400	6·12	155.4	205·2	7
	3	Beau Champ	20	3·86	98·0	122·7	10
	4	Belle Rive*	400	7·11	180.6	...	16
	5	Olivia	400	7·33	186·2	155·2	13
	6	Deep River*	350	5·42	137·7	...	14
	7	Belle Rose Estate* ...	...	4·55	115·6	...	16
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine§	...	...	...	...	...
5	1	Rose Belle*	850	5·37	136·4	...	23
	2	Riche-en-Eau	460	4·66	118·4	176 0	10
	3	Ferney§	20	...	..	...	...
	4	Beau Vallon	60	3·20	81·0	110·2	13
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	3·13	79·5	...	17
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	8·61	218·7	375·2	27
	2	Tivoli*	1,300	11·00	279·4	...	20
	3	La Flora*	1,050	9·90	251·4	...	18
	4	Britannia	780	6·00	152·4	226·8	17
	5	Savannah (Mill)§ ...	200	...	..	...	...
	6	St. Aubin	300	3·12	78·0	123·2	15
	7	Union B.A.St.Félix S.E.§	90	...	...	...	...
	8	Beau Bois	350	4·56	114·0	216·2	18
	9	St. Avold§	900	...	...	...	...
	10	Terracine§	100	...	...	...	...
	11	St. Félix S.E.*	...	4·27	108·5	...	12
	12	Bel Air§	..	...	...	..	...
	13	Chamouny*	...	3·67	93.2	..	11
	14	Union S. E.*	...	4·09	103·9	..	10
	15	Fontenelle§	...	...	...	...	...
	16	Combo*	...	4·70	119·4	...	13
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate	...	2·08	52·8	106·4	9
7, 8 & 9	1	Bel Ombre§	40	...	...	...	...
	3	Beau Champ*	...	2·07	52·6	...	8
	4	Board*	...	1·95	49·5	...	8
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
	...	No returns.	...	...	...	...	...
10	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	6·80	172·7	201·7	29
11	3	Mare aux Vacoas ...	1,850	7·81	198·4	279·9	24
	4	La Marie Filter Bed ...	1,700	2·95	74·9	164·1	13
	5	Réunion	1,420	3·28	83·3	105·9	19
12	1	The Manse	850	1 04	26·4	56·6	16
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	1·59	39·8	65·0	28
	4	Alma	1,460	5.22	132·6	206·0	20
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	2·96	75·9	...	14
	7	Trianon	950	1·52	38·6	75·4	10
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·49	12·4	...	6
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	1·81	48·0	95·0	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	...	0.63	15.7	...	...

* Normals not available § Record not Received

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NEW SERIES (MONTHLY). VOL. X. 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 1924

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

DIRECTOR.

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of JULY 1924

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	
JULY	° ′			′		
1	10·59·4	·22946	·29953	3·7	25	20
2	59·8	44	51	3·2	29	16
3	59·6	46	47	3·4	34	22
4	59·0	51	47	4·3	37	18
5	59·3	58	49	4·5	44	10
6	60·2	57	45	3·5	35	14
7	59·3	53	44	2·7	32	13
8	59·9	44	42	4·5	26	23
9	59·4	47	40	3·9	48	13
10	59·5	33	41	4·3	48	9
11	59·9	40	36	4·0	23	15
12	59·6	43	35	3·3	19	16
13	59·6	48	32	5·9	29	17
14	60·0	47	34	6·5	21	19
15	60·0	48	31	4·0	51	15
16	60·1	37	33	3·3	46	16
17	60·3	37	33	3·3	21	18
18	60·4	42	36	4·2	27	9
19	60·3	42	35	4·5	32	15
20	61·0	46	34	4·1	32	15
21	61·2	...	35	3·2	...	18
22	61·5	39	36	2·5	22	7
23	61·5	41	35	4·9	14	7
24	62·2	48	35	4·0	24	13
25	62·0	54	32	4·8	58	19
26	62·5	30	32	7·1	51	23
27	61·6	30	36	5·8	34	8
28	...	33	36	...	33	20
29	...	41	36	...	20	11
30	62·0	40	35	5·5	28	15
31	61·8	47	34	6·1	28	24
Mean	11·00·45	·22944	·29·939	4·31	32·4	15·4

T=0·37720 : Mean Dip.=θ=52°.32′·07 (X=·22522 : Y=−·04381 : Z=·29939).

† 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, + = an increase and − = a decrease of the Magnetic Element ; ± denotes positive and negative movements of approximately equal extent.

JULY 1924.

9^d $9\frac{1}{4}^h$	Sudden increase in H. F. (11 γ) followed by small undulations until 10^d 1^h in V. F. small oscillations.
10^d 12^h to 18	Regular wave in H. F. (−43 γ).
20^d $20\frac{1}{2}$	Sudden increase in H. F. (+10 γ).
25^d 10 to 28.12	Small undulations in H. F. & Dec. the most noticeable being in H. F. 25.^{d}23^h to 26^{d}0$\frac{1}{2}^h$ (+25 γ) 28.^{d}0$\frac{3}{4}$ to 3^h (+29 γ).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of JULY 1924.

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 7. 9.02	10.56·96	JULY 7. 9.45	·22956	JULY 7. 8.49	52.30 ·8	·29946	JULY 7.13.22	52.30· 2	·29928
.13.33	10.59·14	.12.39	·22970	14. 9.40	52.31 .2	·29944	14.13.15	52.30· 5	·29918
14. 9.28	11.02·65	11. 9.44	·22940	25·10·57	52.29 ·8	·29936	25.13.57	52.27· 8	·29915
.13.26	10.59·18	.12.52	·22968						
23. 8.58	11. 2·38	19. 9.00	·22945						
13.31	11. 0·86	.13.23	·22955						
		28.11.40	·22938						
		.13.27	·22948						

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

JULY 1924.

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

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

JULY 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	046	038	037	040	043	049	041	036	038	029	030	041	048	045	046	011	Midnight
1h	047	039	040	041	043	049	045	036	039	040	031	041	048	045	047	020	1h
2	047	043	041	042	047	051	047	037	039	038	031	040	049	045	049	025	2
3	045	044	041	044	049	052	050	041	040	038	035	039	050	043	051	024	3
4	057	044	039	046	050	051	052	042	041	039	039	038	050	045	053	029	4
5	045	045	040	047	052	051	052	047	042	039	039	039	052	045	055	032	5
6	045	045	043	049	054	057	059	049	045	043	040	041	055	047	053	039	6
7	048	049	045	049	058	060	061	051	052	047	044	048	060	049	055	040	7
8	049	051	051	051	066	065	071	053	058	049	050	052	060	052	058	041	8
9	049	050	052	051	072	071	065	054	054	043	053	051	061	053	061	043	9
10	047	049	057	055	082	066	066	051	066	038	042	049	060	062	061	042	10
11	051	050	060	058	087	068	065	055	063	045	050	046	052	049	062	048	11
Noon	059	057	062	071	081	078	062	057	070	041	053	052	053	046	063	051	Noon
13h	057	061	071	077	078	079	062	049	076	032	047	045	045	050	072	057	13h
14	053	058	061	077	071	071	061	051	065	021	039	039	041	050	069	056	14
15	050	051	051	068	062	067	052	046	062	001	033	033	039	047	059	049	15
16	046	040	040	051	052	055	048	033	045	008	030	037	032	041	047	043	16
17	047	039	038	044	049	049	047	031	037	022	032	039	038	041	041	038	17
18	045	041	042	043	050	049	052	036	042	028	040	042	042	043	047	035	18
19	041	040	041	043	051	047	051	039	044	034	039	042	044	043	032	032	19
20	038	033	041	042	050	046	047	039	037	031	039	042	044	044	031	030	20
21	034	034	040	041	050	044	044	037	029	029	039	041	044	047	023	029	21
22	035	032	039	041	049	045	039	037	028	027	039	041	044	048	023	029	22
23	034	032	038	042	048	046	042	036	031	027	039	043	045	047	021	030	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	034	035	032	040	023	028	039	040	047	040	031	019	034	039	039	037·2	Midnight
1h	031	035	035	040	027	031	038	041	049	037	034	012	034	039	040	038·2	1h
2	033	035	034	041	040	031	038	041	050	039	041	039	036	041	042	040·4	2
3	037	040	040	042	038	032	039	042	052	042	039	031	037	041	043	041·4	3
4	041	045	040	042	048	033	039	045	057	045	038	025	038	041	044	042·9	4
5	041	050	042	043	049	041	042	046	059	047	033	029	039	042	046	044·1	5
6	042	050	044	045	051	043	043	049	057	047	035	031	040	043	049	046·1	6
7	045	055	046	048	057	046	046	051	062	048	046	037	045	046	051	049·6	7
8	043	053	048	055	060	048	047	058	063	049	041	042	051	049	051	052·5	8
9	042	052	050	062	062	044	049	063	062	051	045	043	050	052	052	053·0	9
10	042	057	052	063	067	047	047	064	075	050	035	041	049	051	052	053·9	10
11	039	055	059	064	045	050	044	059	071	043	043	045	052	051	055	054·6	11
Noon	045	051	062	061	031	048	041	049	072	035	038	039	051	041	058	054·9	Noon
13h	041	048	057	058	...	046	038	048	079	025	022	040	047	032	067	053·5	13h
14	043	039	045	052	...	044	037	043	081	021	021	041	041	038	064	049·8	14
15	031	033	035	043	...	043	035	042	065	012	023	041	041	032	053	043·3	15
16	025	032	030	036	...	033	036	042	047	007	031	035	040	024	046	037·1	16
17	024	030	037	038	...	029	040	042	042	003	027	026	039	029	041	035·9	17
18	030	030	038	041	028	034	042	043	047	002	032	026	038	037	043	038·7	18
19	032	034	037	042	028	041	043	043	039	000	020	027	033	039	041	037·8	19
20	033	035	035	041	031	040	042	046	037	011	017	029	032	039	041	037·1	20
21	035	035	036	047	031	038	042	047	032	013	011	029	032	038	041	036·0	21
22	036	037	039	039	028	037	041	047	028	021	013	031	037	038	040	036·0	22
23	035	034	039	032	029	036	040	046	023	037	011	031	039	039	039	036·1	23

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

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

JULY 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	055	053	051	049	050	048	047	045	042	041	040	037	035	035	033	035	Midnight
1h	054	052	050	048	050	047	047	045	042	043	040	037	035	035	032	035	1h
2	054	051	050	048	049	046	046	045	042	041	040	037	035	035	032	033	2
3	054	051	050	047	048	046	045	044	042	041	040	037	035	035	032	033	3
4	053	052	050	046	047	045	044	044	041	041	039	038	035	035	032	033	4
5	054	053	050	047	047	045	043	043	040	040	039	038	035	035	032	034	5
6	055	053	051	048	048	045	043	042	040	040	038	036	036	035	033	034	6
7	055	053	050	047	046	043	042	041	039	037	037	036	034	035	033	034	7
8	056	053	050	050	046	044	045	040	040	038	038	037	035	037	033	037	8
9	059	055	053	053	050	047	045	043	040	042	038	039	035	040	035	037	9
10	060	056	052	051	053	050	049	047	043	043	037	039	036	043	036	039	10
11	059	054	050	045	054	049	049	049	045	045	035	033	032	031	032	037	11
Noon	052	052	043	038	051	043	048	044	040	044	033	029	027	031	027	032	Noon
13h	045	047	036	035	049	036	043	041	035	041	031	023	022	027	026	027	13h
14	041	042	031	035	046	037	039	034	034	037	031	023	020	024	024	024	14
15	040	040	031	037	044	038	036	026	035	037	027	027	019	024	022	023	15
16	044	040	034	042	044	040	037	031	032	036	025	032	026	029	023	027	16
17	053	046	042	049	047	045	040	038	039	042	032	036	033	034	029	032	17
18	055	052	048	051	050	048	043	043	042	042	036	039	036	038	033	034	18
19	056	053	050	052	050	049	043	043	042	041	037	038	036	037	034	035	19
20	055	054	050	052	050	048	044	043	040	040	037	037	036	037	035	035	20
21	055	053	050	052	050	049	046	042	041	041	037	036	035	036	035	035	21
22	055	053	051	052	050	049	047	043	041	041	037	036	035	035	036	035	22
23	054	053	051	052	050	049	046	043	042	041	038	035	035	034	037	034	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. \ Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	033	036	037	039	038	040	037	037	034	033	036	038	037	035	035	040·0	Midnight
1h	033	035	036	037	037	039	037	037	034	035	036	038	036	035	035	039·7	1h
2	032	034	036	036	036	037	036	037	034	035	035	037	036	035	035	039·2	2
3	031	034	034	034	035	038	036	036	034	035	035	037	036	035	035	038·9	3
4	032	033	034	034	034	037	036	036	034	035	035	037	037	035	035	038·7	4
5	033	033	034	034	035	036	036	036	034	035	036	037	037	035	036	038·8	5
6	033	033	034	034	035	037	036	036	034	035	035	037	037	035	037	038·9	6
7	033	031	033	034	034	035	035	035	033	033	034	036	038	035	036	038·0	7
8	035	032	034	035	033	035	036	036	034	033	034	037	036	035	038	038·8	8
9	036	037	036	036	036	037	037	036	035	034	037	042	037	038	041	040·8	9
10	038	040	039	037	039	040	037	039	034	034	039	045	040	041	044	042·6	10
11	035	038	037	036	038	038	036	039	030	034	038	041	036	040	040	040·5	11
Noon	030	039	030	034	037	037	033	039	028	029	035	034	033	037	034	036·9	Noon
13h	020	039	026	028	030	034	030	036	022	024	033	025	029	034	028	032·3	13h
14	024	037	024	025	022	033	031	030	017	017	032	026	030	032	020	029·7	14
15	027	034	026	024	026	033	030	027	020	016	033	028	032	029	020	029·4	15
16	030	033	030	027	030	034	032	026	027	023	036	033	033	026	024	031·8	16
17	033	034	035	033	035	035	037	030	034	033	039	037	035	031	030	037·0	17
18	037	037	038	034	037	036	037	034	036	037	040	040	037	036	036	040·1	18
19	037	037	039	035	037	036	036	034	035	039	040	040	038	037	037	040·4	19
20	037	037	039	035	037	037	036	034	035	038	039	040	038	037	037	040·3	20
21	037	038	039	037	037	036	036	034	034	037	039	039	037	037	038	040·2	21
22	036	038	039	036	038	036	036	034	034	038	038	037	036	036	037	040·2	22
23	035	038	039	036	040	037	037	034	035	036	039	036	035	036	036	040·1	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of JULY 1924.

Month and Day 1924.	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	1010·8	— 2·9	25·4	17·0	8·4	20·8	+ 0·8	1·4	18·3	+ 2·6	86	+ 10	20·8	13·5	0·0	...	5·3	5·5
2	1010·6	— 3·2	24·2	18·5	5·7	20·8	+ 0·8	1·8	17·6	+ 1·9	82	+ 6	19·9	13·2	0·0	...	2·5	6·1
3	1010·5	— 3·3	24·3	16·0	8·3	19·5	— 0·5	1·7	16·4	+ 0·8	83	+ 7	18·5	11·7	0·5	5	4·0	4·3
4	1010·4	— 3·5	24·7	15·3	9·4	19·5	— 0·5	2·4	15·2	— 0·4	76	0	17·1	10·6	0·0	...	4·8	2·7
5	1009·6	— 4·3	25·0	16·9	8·1	21·2	+ 1·2	1·6	18·4	+ 2·8	84	+ 8	21·0	14·4	0·0	...	2·6	5·8
6	1011·2	— 2·7	23·4	19·7	3·7	21·2	+ 1·2	1·2	19·1	+ 3·5	88	+ 12	21·9	18·4	2·0	105	2·3	8·4
7	1011·6	— 2·3	23·0	19·5	3·5	20·8	+ 0·9	1·4	18·3	+ 2·7	86	+ 10	20·8	17·9	4·2	135	3·2	7·9
8	1010·8	— 3·1	24·6	19·6	5·0	21·6	+ 1·7	1·7	18·6	+ 3·1	83	+ 7	21·2	17·7	1·0	15	2·0	6·3
9	1011·5	— 2·4	21·9	20·0	1·9	20·8	+ 0·9	0·9	19·2	+ 3·7	91	+ 15	22·0	18·3	25·0	173	4·0	9·5
10	1012·1	— 1·8	24·0	20·1	3·9	21·6	+ 1·7	2·3	17·6	+ 2·1	78	+ 2	19·9	17·8	0·4	8	3·7	5·8
11	1013·3	— 0·6	24·8	19·8	5·0	21·6	+ 1·7	1·9	18·3	+ 2·8	82	+ 6	20·8	17·4	0·6	15	3·3	7·0
12	1014·0	+ 0·1	24·1	17·9	6·2	21·0	+ 1·2	2·1	17·3	+ 1·8	80	+ 4	19·6	13·0	1·4	19	4·9	4·8
13	1015·7	+ 1·8	24·5	16·8	7·7	20·3	+ 0·5	1·8	17·1	+ 1·7	82	+ 6	19·3	13·0	0·0	...	3·3	4·8
14	1015·9	+ 2·0	24·0	19·1	4·9	20·8	+ 1·0	2·1	17·1	+ 1·7	80	+ 5	19·3	16·4	0·0	...	2·8	5·9
15	1015·1	+ 1·2	23·4	18·1	5·3	20·5	+ 0·7	2·2	16·6	+ 1·2	78	+ 3	18·7	15·4	4·2	62	3·8	6·5
16	1015·6	+ 1·7	23·3	18·1	5·2	20·2	+ 0·4	2·3	16·1	+ 0·7	77	+ 2	18·1	15·2	4·0	39	5·5	5·7
17	1016·8	+ 2·9	22·9	18·2	4·7	20·0	+ 0·2	3·1	14·5	— 0·8	71	— 4	16·4	15·1	4·9	50	6·5	4·0
18	1016·9	+ 3·0	23·1	17·6	5·5	20·2	+ 0·4	3·8	13·4	— 1·9	65	— 10	15·2	13·7	0·0	...	5·3	5·1
19	1016·8	+ 2·9	23·0	15·5	7·5	19·8	0·0	3·9	12·8	— 2·5	64	— 11	14·7	9·4	0·0	...	4·6	7·7
20	1017·4	+ 3·6	23·6	17·1	6·5	20·2	+ 0·4	2·7	15·4	+ 0·1	74	— 1	17·3	13·6	0·0	...	3·9	5·3
21	1016·6	+ 2·8	23·3	18·0	5·3	20·5	+ 0·7	2·7	15·7	+ 0·5	74	— 1	17·7	11·4	0·9	11	4·1	4·5
22	1015·2	+ 1·4	23·7	16·9	6·8	20·1	+ 0·3	2·0	16·5	+ 1·3	80	+ 5	18·6	12·4	1·1	13	3·3	6·5
23	1014·4	+ 0·6	24·2	15·3	8·9	20·2	+ 0·4	2·4	15·9	+ 0·7	77	+ 2	17·9	11·7	1·5	38	4·7	4·6
24	1014·8	+ 1·0	24·2	16·3	7·9	20·2	+ 0·4	3·1	14·7	— 0·4	71	— 4	16·6	13·0	0·0	...	4·7	4·2
25	1015·3	+ 1·5	23·5	18·1	5·4	20·1	+ 0·3	2·6	15·5	+ 0·4	75	0	17·4	14·5	4·0	49	3·5	6·9
26	1014·5	+ 0·7	24·2	16·1	8·1	19·5	— 0·3	3·0	14·1	— 1·0	71	— 4	15·9	12·4	0·9	13	4·8	5·7
27	1012·2	— 1·6	24·5	16·8	7·7	19·9	+ 0·1	3·0	14·5	— 0·6	71	— 4	16·4	8·8	1·1	28	3·0	7·5
28	1011·8	— 2·0	23·6	14·8	8·8	18·7	— 1·1	1·8	15·4	+ 0·4	81	+ 6	17·3	7·3	0·7	15	2·2	7·0
29	1011·3	— 2·5	23·0	15·9	7·1	19·2	— 0·6	2·5	14·7	— 0·3	75	0	16·6	12·9	1·8	45	5·4	5·9
30	1008·6	— 5·2	23·9	16·4	7·5	19·4	— 0·4	1·9	16·0	+ 1·0	81	+ 6	18·0	14·3	4·2	91	7·1	6·1
31	1009·3	— 4·5	24·5	14·6	9·9	20·3	+ 0·5	2·4	16·0	+ 1·0	76	+ 1	18·0	13·1	0·3	10	6·7	3·0
Mean	1013·2	— 0·6	23·8	17·4	6·4	20·3	+ 0·4	2·2	16·3	+ 1·0	78·1	+ 2·7	18.5	13·8	64·7	939	4·1	5·8
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
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	1.8

GENERAL WEATHER CONDITIONS DURING THE MONTH OF JULY 1924.

The characteristic feature of the month was the single large oscillation in atmospheric pressure which rose from 4·3 millibars below normal on the 5th to 3·6 millibars above on the 20th and fell again to 5·2 millibars below on the 30th.

Temperature of the Air was above normal on every day except the 3rd, 4th and from 28th to 30th. It was 0·4C above in the mean for the month.

Relative Humidity was much above normal in the mean for the month (2·6%) and was persistently above during the first 15 days.

Wind Velocity was very variable. High velocities occurred from the 5th to the 7th during very low pressure and from the 14th to the 21st during very high pressure. Velocity was 0·1 m.p.s. below in the mean for the month.

Rainfall at the Observatory was 1.8 m.m. (2%) above normal, but the duration was 49% below: this was due to the heavy intensity of the fall on the 9th.

Northern Districts	River System 1,	39 %	above
Eastern Districts	,, ,, 2, 3, 4,	35 %	,,
South-Eastern Districts	,, ,, 5 & 6	83 %	,,
Western Districts	River System 11	24%	above
	,, ,, 12	11%	,,
	,, ,, 13	No record	

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of JULY 1924.

Month and Day 1924.	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	8·2	76	+ 0·6	+ 0·1	170	0·6	1·5	− 2·2	25·6	24·7	23·3	22·6	...	22·0	22·2	f. : c . f. f. :
2	5·2	48	− 1·5	+ 1·8	50	2·3	2·5	− 1·2	25·6	24·7	23·3	22·8	...	22·6	22·6	o. : c .f. : f. .
3	5·2	48	− 0·6	+ 1·6	69	1·7	1·9	− 1·8	25·6	24·7	23·4	22·8	...	22·1	21·7	c .f. : c . : f . .
4	10·1	93	− 1·5	+ 1·7	49	2·2	2·3	− 1·4	25·6	24·7	23·4	22·5	...	21·7	21·5	f. .
5	8·0	74	− 2·4	+ 3·5	56	4·2	4·4	+ 0·7	25·6	24·7	23·4	22·4	...	21·9	21·9	f. : o. q . : c.q. .
6	5·8	54	− 1·6	+ 6·0	75	6·2	6·3	+ 2·6	25·6	24·8	23·3	22·6	...	22·3	22·3	o. g . r.q . o . .
7	4·9	45	− 0·8	+ 5·4	82	5·4	5·5	+ 1·8	25·6	24·7	23·3	22·7	...	22·2	22·0	o .q . r. : o. : .
8	8·8	81	+ 0·9	+ 2·8	108	2·9	3·1	− 0·6	25·6	24·7	23·3	22·7	...	22·2	22·2	c. f . : c.g. : c. f. : o.g. .
9	0·0	0	+ 0·6	+ 2·6	103	2·6	2·7	− 1·0	25·6	24·7	23·4	22·8	...	22·3	22·2	o. g . r . : .
10	6·0	55	+ 0·6	+ 4·4	98	4·4	4·5	+ 0·8	25·6	24·6	23·4	22·6	...	22·1	22·0	f. : o. : f. .
11	8·9	81	0·0	+ 4·1	90	4·1	4·1	+ 0·4	25·6	24·6	23·4	22·7	...	22·3	22·4	f. : c . :c.f.: o. .
12	10·1	92	− 1·0	+ 2·6	69	2·8	2·8	− 0·9	25·6	24·4	23·4	22·8	...	22·4	22·5	c . f . .
13	9·2	84	− 1·4	+ 2·3	59	2·7	2·7	− 1·1	25·5	24·6	23·4	22·7	...	22·3	22·2	f . : c : f. .
14	9·0	82	− 2·3	+ 3·5	57	4·2	4·2	+ 0·4	25·5	24·5	23·4	22·6	...	22·3	22·1	c. f . c . c.f . .
15	9·1	83	− 2·1	+ 4·1	63	4·6	4·6	+ 0·8	25·5	24·5	23·4	22·7	...	22·1	21·7	c. f .d: f. : c. .
16	8·5	78	− 2·9	+ 4·2	55	5·1	5·1	+ 1·3	25·5	24·5	23·4	22·4	...	21·9	21·7	o. r: : f: .
17	9·9	90	− 3·3	+ 5·1	57	6·0	6·1	+ 2·3	25·5	24·5	23·3	22·4	...	21·6	21·5	c.q. p.: f. .
18	8·7	79	− 3·1	+ 4·2	54	5·2	5·3	+ 1·5	25·5	24·5	23·2	22·0	...	21·2	20·3	f. . : c. .
19	6·1	56	− 2·4	+ 3·3	54	4·1	4·1	+ 0·3	25·5	24·5	22·7	21·8	...	21·2	21·0	o . .
20	9·0	82	− 1·7	+ 3·7	65	4·0	4·1	+ 0·3	25·5	24·3	23·0	21·7	...	21·2	21·0	o.g. : f. .
21	9·0	82	− 0·8	+ 4·8	80	4·8	5·0	+ 1·2	25·5	24·5	22·9	21·8	...	21·3	21·1	f . : c .f. .
22	6·0	54	− 1·1	+ 3·1	71	3·3	3·3	− 0·5	25·5	24·5	22·8	21·7	...	21·2	21·1	c. f. p. : c . .
23	8·9	81	− 0·3	+ 3·3	85	3·3	3·4	− 0·4	25·5	24·3	22·8	21·9	...	21·6	21·7	o. p. : c. f. f. .
24	9·7	88	− 1·9	+ 2·8	56	3·4	3·6	− 0·2	25·5	24·3	22·8	21·9	...	21·4	21·4	f. : c. f. : f. .
25	5·6	51	− 0·6	+ 4·0	81	4·0	4·2	+ 0·4	25·4	24·2	22·8	21·8	...	21·3	21·2	o. r . : c. f. .
26	5·2	47	− 1·2	+ 2·3	72	2·3	2·6	− 1·2	25·4	24·2	22·8	21·8	...	21·1	21·0	f. : c . p. c. .
27	6·9	63	− 1·8	+ 2·3	52	2·9	3·1	− 0·7	25·3	24·3	22·8	21·7	...	21·3	21·4	o. p .
28	2·2	20	− 1·0	+ 1·7	59	1·9	2·0	− 1·8	25·3	24·6	22·7	21·9	...	21·3	21·1	c : o . g. p. : c . .
29	8·1	73	− 1·2	+ 2·8	67	3·0	3·0	− 0·9	25·3	24·3	22·7	21·7	...	21·0	21·2	c p. : c. f. . .
30	0·0	0	+ 0·3	+ 1·2	104	1·2	1·9	− 2·0	25·3	24·1	22·7	21·9	...	21·9	21·6	o. r. : f. .
31	11·0	99	− 1·2	− 1·2	315	1·7	2·8	− 1·1	25·3	24·2	22·7	22·0	...	21·6	21·8	f. .
Mean	7·21	65·5	− 1·19	+ 3·04	68·6	3·26	3·64	− 0·13	25·50	24·50	23·12	22·27	...	21·77	21·66	...
Average	7·73	70·0	− 1·49	+ 3·03	63·8	3·38	3·77	...	25·17	24·44	...	...	...	21·45	21·35	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF JULY 1924.

Element	Highest			Date		Lowest		Date	
Atmospheric Pressure	1018·8 mbs	at	9h	on	20th	1006·2 mbs	at 15h	on	30th
Temperature of the Air	25·4C		12·15	on	1st	14·6C	at 6h 10m	on	31st
Daily range of temperature of the Air...	9·9C		...	on	31st	1·9C	...	on	9th
Temperature of the Dew Point	21·2C	at	9h	on	3rd	8·0C	at 23h	on	27th
Daily range of temperature of the Dew Point	8·7C		...	on	27th	2·1C	...	on 11th & 14th	
Relative humidity...	98·6	at	6h	on	2nd	51·5%	at 13h	on	24th
Wind Velocity	10·6 m.p.s.	at	11h	on	17th	0·6 m.p.s.	often		...
Rainfall	25·2 m.m. for 24h ending 22h on 9th					...	...		...
Temperature of the soil at 3 ins. ...	24·1C	at	18h	on	1st	19·6C	at 9h	on	26th
,, ,, at 6 ins. ...	22·9C	at	21h	on	2nd	20·3C	at 6h	on	29th
Duration of sunshine...	11·0		...	on	31st	0·0h	...	on 9th & 30th	
Amount of Evaporation in 24 hours	7·1 mm.		...	on	30th	2·0 m.m.	...	on	8th
Vapour Tension	24·9 mbs	at	9h	on	3rd	11·3 mbs	at 23h	on	27th
Minimum on Grass	...		...		...	7·3C	...	on	28th

Number of Days Overcast, 7, Clear 2, of Rain 21, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 21·78C, Average 21·57C, Mean Night Temperature of Air 18·90C, Average 18·23C.

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

† *Thermometer broken.*

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

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

JULY 1924.

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	0113	0110	0108	0112	0104	0103	0125	0117	0107	0122	0132	0141	0154	0167	0162	0153	Midnight
1h	0113	0109	0109	0111	0104	0104	0124	0116	0104	0118	0132	0139	0154	0166	0159	0153	1h
2	0109	0105	0106	0109	0099	0102	0122	0106	0100	0113	0129	0136	0150	0163	0154	0152	2
3	0110	0103	0103	0105	0094	0100	0115	0104	0099	0112	0125	0133	0146	0158	0152	0145	3
4	0106	0103	0100	0103	0089	0101	0115	0102	0101	0111	0123	0131	0144	0157	0150	0143	4
5	0105	0102	0100	0103	0090	0100	0114	0102	0105	0113	0125	0132	0143	0156	0151	0143	5
6	0107	0104	0103	0105	0092	0103	0114	0104	0110	0116	0130	0134	0146	0161	0153	0147	6
7	0113	0107	0106	0110	0096	0105	0115	0109	0114	0122	0135	0136	0153	0164	0155	0153	7
8	0118	0114	0111	0117	0101	0115	0125	0115	0119	0126	0137	0144	0160	0171	0162	0158	8
9	0124	0119	0115	0118	0105	0118	0127	0124	0120	0128	0145	0148	0166	0174	0165	0165	9
10	0122	0119	0115	0118	0100	0123	0125	0122	0125	0134	0146	0150	0168	0174	0163	0167	10
11	0119	0117	0112	0115	0097	0123	0124	0118	0125	0129	0144	0144	0165	0171	0159	0165	11
Noon	0111	0111	0106	0105	0093	0114	0118	0110	0122	0123	0134	0139	0157	0163	0152	0156	Noon
13h	0104	0102	0101	0099	0093	0110	0112	0105	0115	0119	0128	0133	0151	0152	0146	0152	13h
14	0098	0095	0094	0091	0085	0103	0107	0101	0109	0111	0125	0129	0145	0144	0137	0149	14
15	0094	0093	0092	0089	0085	0101	0104	0096	0109	0112	0121	0125	0144	0143	0135	0149	15
16	0092	0093	0093	0090	0087	0102	0107	0098	0111	0112	0122	0127	0146	0142	0134	0150	16
17	0095	0097	0096	0092	0092	0108	0111	0100	0115	0115	0125	0133	0152	0144	0135	0152	17
18	0097	0101	0097	0096	0094	0112	0112	0101	0117	0121	0126	0139	0157	0150	0138	0155	18
19	0101	0104	0104	0101	0096	0116	0114	0106	0123	0124	0131	0145	0165	0153	0147	0159	19
20	0106	0108	0108	0103	0098	0124	0115	0108	0126	0126	0136	0153	0171	0160	0154	0168	20
21	0110	0109	0111	0106	0105	0127	0117	0112	0127	0131	0143	0157	0170	0165	0154	0169	21
22	0112	0108	0112	0106	0106	0127	0116	0111	0125	0133	0143	0157	0172	0166	0154	0169	22
23	0112	0107	0112	0105	0105	0127	0117	0109	0125	0134	0143	0155	0170	0164	0153	0170	23

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Hour \ Day.
Midnight	0169	0174	0174	0177	0176	0167	0151	0150	0153	0159	0137	0120	0130	0107	0087	1013·7	Midnight
1h	0167	0173	0173	0178	0175	0165	0150	0147	0152	0157	0134	0118	0127	0108	0084	1013·6	1h
2	0164	0171	0171	0177	0174	0161	0143	0144	0147	0152	0132	0113	0122	0104	0081	1013·3	2
3	0163	0170	0168	0174	0172	0154	0141	0142	0144	0151	0131	0112	0118	0098	0076	1013·0	3
4	0164	0171	0167	0173	0169	0154	0139	0137	0145	0145	0128	0111	0120	0093	0075	1012·8	4
5	0165	0168	0166	0174	0167	0154	0137	0141	0145	0144	0127	0107	0117	0090	0073	1012·8	5
6	0167	0171	0167	0175	0166	0154	0141	0145	0152	0149	0127	0111	0122	0092	0078	1013·0	6
7	0168	0176	0165	0178	0167	0156	0144	0151	0155	0153	0129	0116	0124	0096	0086	1013·4	7
8	0173	0178	0170	0185	0173	0163	0152	0155	0162	0162	0135	0122	0128	0098	0095	1014·0	8
9	0175	0180	0175	0188	0174	0165	0156	0164	0167	0164	0136	0127	0131	0106	0102	1014·4	9
10	0176	0179	0175	0185	0174	0163	0155	0165	0168	0164	0131	0131	0129	0102	0106	1014·4	10
11	0171	0175	0171	0181	0169	0160	0153	0159	0160	0154	0129	0133	0124	0091	0103	1014·1	11
Noon	0170	0171	0167	0173	0166	0154	0146	0151	0154	0149	0124	0120	0114	0081	0097	1013·4	Noon
13h	0168	0164	0163	0167	0163	0144	0137	0144	0145	0138	0114	0114	0106	0073	0093	1012·7	13h
14	0165	0155	0154	0162	0153	0140	0130	0136	0143	0131	0106	0109	0099	0063	0086	1012·1	14
15	0161	0153	0153	0161	0152	0136	0130	0136	0142	0126	0103	0103	0094	0062	0085	1011·9	15
16	0158	0153	0153	0163	0154	0135	0131	0136	0141	0126	0105	0108	0094	0063	0086	1012·0	16
17	0160	0158	0157	0164	0155	0140	0134	0140	0143	0129	0109	0110	0098	0065	0090	1012·3	17
18	0163	0161	0162	0169	0163	0142	0137	0144	0149	0133	0111	0115	0100	0070	0096	1012·7	18
19	0167	0167	0166	0173	0164	0143	0138	0149	0154	0136	0114	0119	0100	0073	0098	1013·1	19
20	0172	0171	0173	0176	0167	0146	0146	0154	0159	0143	0118	0124	0106	0082	0107	1013·6	20
21	0174	0175	0177	0177	0168	0152	0150	0156	0161	0143	0120	0129	0107	0085	0111	1013·9	21
22	0174	0174	0177	0177	0167	0153	0151	0155	0160	0144	0123	0128	0109	0089	0110	1013·9	22
23	0174	0174	0177	0177	0167	0151	0151	0154	0160	0142	0123	0130	0107	0091	0111	1013·9	23

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

Hour. \ Day.	JULY 1924.																																
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	3	6	1	0	4	5	7	5	10	3	4	5	3	8	7	8	7	4	9	9	3	3	5	4	2	3	9	7	4	9	3	5·2
1h	4	6	2	0	3	7	9	4	10	3	5	5	4	9	9	7	5	3	9	10	1	7	4	2	6	1	8	6	5	10	5	5·5
2	6	7	3	0	2	8	6	3	10	3	4	5	3	6	8	8	5	2	9	10	1	6	10	3	8	2	10	6	6	10	7	5·7
3	4	7	4	1	1	9	4	3	10	4	5	6	3	2	8	9	4	2	8	10	3	9	10	3	8	2	10	9	7	10	2	5·7
4	4	8	4	1	2	9	6	4	10	4	7	5	3	4	6	9	10	2	8	10	3	5	10	9	6	2	9	8	7	10	2	6·0
5	5	8	5	1	3	10	10	5	10	5	8	3	4	5	5	10	8	2	8	10	0	4	9	9	9	5	9	9	6	10	2	6·4
6	4	9	5	2	5	10	9	6	10	7	9	4	3	5	6	9	2	2	8	2	1	3	9	9	9	5	7	8	6	10	3	6·0
7	4	8	4	4	8	9	8	7	10	9	7	5	3	5	4	9	3	3	8	2	4	5	5	8	8	7	7	9	7	10	2	6·2
8	6	9	5	3	7	9	9	7	10	9	7	2	4	5	7	8	2	1	9	3	7	6	5	5	8	8	7	10	8	10	2	6·4
9	7	10	7	2	5	8	9	7	10	9	7	2	4	5	6	8	2	1	9	4	9	7	6	4	9	9	7	9	9	10	3	6·6
10	7	10	7	2	6	8	8	7	10	8	7	2	6	6	5	7	2	3	7	5	7	6	6	3	9	8	7	10	8	10	5	6·5
11	8	9	8	3	7	10	10	8	10	7	6	3	7	7	5	7	3	3	6	6	7	7	7	1	8	7	7	9	7	9	6	6·7
Noon	7	9	8	4	7	9	9	5	10	7	6	4	8	7	5	3	3	3	6	5	5	7	6	1	7	8	7	8	2	2	4	5·9
13h	7	8	8	5	7	9	7	5	10	7	6	7	7	8	5	4	4	6	7	3	6	7	3	2	7	7	7	8	2	1	6	6·0
14	7	7	7	6	7	9	9	5	10	7	6	7	7	8	6	3	4	7	8	4	6	6	3	4	7	7	7	7	2	2	4	6·1
15	7	7	7	7	8	8	8	5	10	7	5	6	8	7	6	3	5	7	8	5	6	5	3	7	7	7	7	7	2	2	3	6·1
16	6	6	6	5	9	8	8	6	10	6	7	5	6	6	7	3	5	7	8	5	5	5	3	5	6	6	8	7	3	2	3	5·9
17	5	5	5	4	10	9	9	4	10	5	8	4	4	5	8	2	4	8	8	6	5	9	2	5	5	7	10	6	4	3	2	5·8
18	4	3	4	3	10	8	8	5	10	5	9	2	3	4	9	2	9	9	9	8	4	8	1	4	4	8	9	6	8	3	2	5·8
19	7	2	2	2	8	9	9	8	10	6	10	5	6	5	7	2	3	9	8	5	6	7	1	3	7	6	8	6	7	3	2	5·8
20	5	2	1	2	4	8	10	10	9	8	8	8	3	6	8	3	2	9	7	4	7	8	1	2	8	5	6	5	6	3	1	5·5
21	6	1	0	1	5	7	8	10	10	4	10	9	3	7	8	3	1	9	4	2	4	6	1	2	10	4	5	4	6	3	1	5·0
22	4	1	0	2	6	8	6	10	7	3	8	7	4	6	6	4	2	9	8	2	5	9	1	3	2	6	5	3	7	3	2	4·8
23	5	1	0	3	5	7	5	10	4	3	8	4	6	7	5	6	3	8	5	1	4	10	0	3	5	10	6	3	10	4	1	4·9

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

Hour* Ending \ Day.	JULY 1924.																															
	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	10	18	8	0	5	0	0	0	10	5	15	5	0	10	12	0	10	1	0	0	0	0	0	0	1	0	0	29	2·3
8	0	15	20	60	60	23	0	52	2	19	36	58	60	50	20	12	52	60	0	36	55	30	10	59	2	15	50	46	0	0	60	16·5
9	58	0	16	60	60	48	46	50	0	8	58	58	60	58	50	45	60	60	8	60	48	9	55	50	6	5	60	10	9	0	60	19·6
10	40	0	39	60	58	55	45	58	0	10	58	60	56	57	60	42	60	60	40	60	60	50	48	60	5	12	60	25	60	0	60	22·6
11	40	0	26	60	60	13	37	50	0	25	59	60	58	48	60	55	60	60	46	60	60	48	60	60	16	35	45	8	60	0	60	22·2
Noon	58	50	40	60	58	50	28	55	0	30	59	60	58	55	60	60	60	60	50	60	60	53	60	60	40	25	52	36	60	0	60	25·3
13h	56	50	36	60	57	28	40	60	0	60	60	60	60	56	55	60	60	60	50	60	38	58	60	60	47	32	58	2	60	0	60	25·0
14	57	46	55	60	56	14	50	58	0	60	50	60	58	56	60	60	60	24	12	60	50	16	60	60	60	27	59	0	60	0	60	23·5
15	60	47	36	60	48	50	32	42	0	60	55	60	50	58	60	60	60	26	55	50	60	22	60	45	60	48	30	6	60	0	60	23·5
16	58	60	35	60	5	48	13	50	0	59	54	60	60	54	58	60	60	55	58	60	59	32	60	60	60	48	0	0	60	0	60	23·4
17	57	46	12	52	0	10	0	45	0	30	48	57	25	35	55	50	50	45	48	33	50	40	50	60	39	60	0	0	50	0	54	18·4
18	10	0	0	7	0	0	0	3	0	0	0	0	0	0	0	8	5	0	0	0	0	0	8	10	1	3	0	0	6	0	05	1·1
19																																

The total amount of registered sunshine was 223·4 hours and the total possible sunshine 341·2 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

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	19·1	1·0	19·9	0·9	18·3	1·2	16·2	1·0	16·9	1·0	20.9	0·8	20·5	1·3	20·0	0·9	Midnight
1h	18·6	0·7	20·0	0·9	17·1	0·9	16·5	0·6	17·8	1·2	20·9	0·9	20·4	1·3	19·9	1·4	1
2	18·7	0·6	20·0	1·0	17·1	0·9	16·0	0·7	19·1	0·9	20·6	0·7	20·7	1·6	20·0	1·0	2
3	18·1	0·8	20·0	1·0	16·9	0·9	15·9	0·9	18·9	0·9	20·7	0·7	20·5	1·5	20·1	1·1	3
4	17·2	0·3	19·9	1·0	16·3	0·4	16·3	0·5	18·8	0·8	20·3	0·6	20·7	1·7	20·2	1·2	4
5	17·1	0·7	19·9	1·1	16·3	0·5	15·8	0·8	19·0	1·0	20·2	0·5	20·2	1·0	20·1	1·2	5
6	17·0	0·6	19·0	0·1	16·1	1·1	15·7	1·0	19·2	1·1	20·1	0·5	20·1	0·6	20·1	1·2	6
7	17·2	0·5	19·3	1·0	16·1	1·0	15·6	0·9	19·5	1·2	20·5	0·5	20·0	1·0	20·1	1·1	7
8	18·4	0·5	20·1	1·0	19·2	1·0	19·0	0·8	21·1	1·7	20·9	1·0	20·5	1·1	21·2	1·4	8
9	22·7	1·6	21·0	1·1	20·3	1·0	21·9	2·2	22·8	2·6	21·7	1·5	20·7	1·0	22·8	2·5	9
10	23·1	2·1	21·6	1·6	22·9	3.0	23·1	3·6	23·5	2·5	22·4	1·7	22·1	1·6	23·0	2·5	10
11	23·8	2·7	21·9	1·5	23·7	3·6	23·7	4·3	24·0	3·2	20·9	0·6	22·1	1·9	23·2	2·2	11
Noon	25·0	3·0	23·7	3·4	23·9	3·4	24·4	5·2	23·9	2·9	22·8	1·3	22·2	1·9	24·0	3·3	Noon
13h	25·0	3·3	23·2	3·2	23·8	3·9	24·7	5·4	24·8	3·6	22·6	2·0	22·9	2·8	24·2	3.5	13h
14	24·9	3·2	23·6	3·4	24·0	4·2	24·2	5·3	24·0	3·3	23·1	2·8	22·5	2·5	23·6	2.5	14
15	24·2	3·0	23·9	4·0	23·1	3.1	23·8	5·3	22·7	1·5	23·0	2·2	22·1	2·2	23·3	2·5	15
16	24·0	2·5	22·9	3·3	22·6	2·3	23·1	4·3	22·1	1·2	22·9	2·4	20·7	1·2	23·3	2.4	16
17	23·0	2·0	21·7	2·6	21·5	2·5	22·2	3·6	21·4	1·1	22·1	2·1	20·0	1·0	22·0	1.8	17
18	21·9	2·0	20·7	2·3	20·2	1·3	20·5	2·6	21·3	0·8	21·0	1·1	19·8	1·8	21·3	1·2	18
19	20·6	1·1	20·0	1·9	19·5	1·4	19·1	2·0	21·0	0·8	21·0	1·5	20·5	1·0	20·9	1.2	19
20	20·2	1·1	19·7	1·7	18·1	1·3	17·8	1·6	21·0	0·9	20·3	0·8	20·3	1·2	20·8	1·5	20
21	19·5	0·6	19·3	1·4	17·9	1·0	18·1	2·1	21·0	0·7	19·8	1·0	20·5	1·1	21·2	1·2	21
22	20·1	0·9	19·3	1·5	17·5	1·0	17·2	1·1	20·9	0·7	20·2	0·9	19·9	0·9	21·0	0.9	22
23	20·1	0·6	18·8	1·5	16·8	1·1	17·6	1·9	21·0	0·8	20·6	1·1	20·1	1·0	21·0	0.9	23

Day. / Hour.	9d. Air	9d. Excess of Air over Evap.	10d. Air.	10d. Excess of Air over Evap.	11d. Air.	11d. Excess of Air over Evap.	12d. Air.	12d. Excess of Air over Evap.	13d. Air.	13d. Excess of Air over Evap.	14d. Air.	14d. Excess of Air over Evap.	15d. Air.	15d. Excess of Air over Evap.	16d. Air.	16d. Excess of Air over Evap.	Day. / Hour.
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Midnight	21·0	0·8	20·3	2·2	21·0	1·1	20·0	0·9	17·2	0·9	19·8	1·2	19·1	1·0	19·0	0·8	Midnight
1h	20·2	0·3	20·2	2·1	20·9	1·6	20·1	0·9	18·9	0·8	19·6	0·9	19·1	1·0	18·5	0·9	1h
2	20·9	0·7	21·0	2·3	20·9	1·7	20·0	0·9	18·8	0·8	19·1	1·0	19·1	1·1	18·5	1·0	2
3	20·6	0·5	20·4	1·8	20·9	1·4	20·0	0·8	18·0	1·1	19·2	1·0	19·0	1·0	18·1	1·1	3
4	20·6	0·4	20·5	1·4	20·5	1.5	19·9	1·0	18·0	1·0	19·3	1·1	18·9	1·2	18·1	1·3	4
5	20·7	0·5	20·5	1·6	20·0	1·1	19·0	0·9	18·6	0·6	19·2	1·1	18·9	1·4	18·5	1·2	5
6	20·4	0·4	20·5	1·5	20·5	1·3	19·5	0·8	17·6	0·9	19·1	1·2	18·7	1·5	18·9	1·0	6
7	20·2	0·2	20·9	1·8	20·1	1.1	19·4	0·9	16·8	0·8	19·1	1·0	18·5	1·2	19·0	1·1	7
8	21·0	0·4	21·1	1·6	20·9	2·0	20·8	1·6	19·2	0·6	20·1	1·2	19·1	0·9	19·2	1·1	8
9	21·9	0·8	21·9	2·6	22·5	2·5	22·5	2·5	21·9	2·3	21·9	2·5	20·9	2·2	21·3	2·2	9
10	20·7	0·4	23·0	3·5	23·0	3·0	23·2	3·6	21·8	2·3	22·9	3·6	22·1	3·2	22·0	3·0	10
11	21·2	0·3	23·2	3·1	23·7	3·5	23·7	4·5	23·1	3·0	23·0	3·2	23·1	4·1	22·1	3·5	11
Noon	21·1	0·3	23·3	3·2	24·2	3·7	23·8	4·3	24·0	3·5	23·3	4·1	23·3	4·5	23·0	4·0	Noon
13h	21·0	0·3	23·5	3·5	24·2	4·2	23·6	3·9	23·4	3·4	23·8	3·9	23·2	4·2	23·0	4·0	13h
14	21·6	0·6	23·5	3·6	23·3	2·8	23·5	3·6	23·9	4·4	23·5	4·4	23·0	4·3	23·0	4·1	14
15	21·2	1·0	23·2	3·3	23·5	3·0	23·5	4·0	23·5	4·2	23·0	3·8	22·9	4·2	22·8	4·0	15
16	21·3	1·2	22·9	3·6	23·3	2·6	23·0	3·9	23·1	4·0	22·1	3·1	22·4	3·8	22·0	3·8	16
17	20·9	1·4	22·3	2·7	22·2	2·2	22·0	2·9	21·8	2·8	21·5	2·6	21·9	3·2	21·3	3·5	17
18	20·8	1·7	21·0	1·7	20·5	1·4	20·7	1·8	20·7	2·2	20·5	2·2	21·0	2·5	21·2	3·9	18
19	20·5	1·6	20·9	1·3	21·0	1·3	19·9	1·8	19·8	1·9	20·1	1·9	19·7	1·1	19·5	2·5	19
20	20·7	1·8	21·1	1·4	20·6	0·9	19·9	1·3	19·2	1·2	20·1	1·7	19·3	1·0	19·0	2·0	20
21	20·7	1·9	20·9	1·8	20·2	0·6	19·2	1·0	19·1	1·1	20·0	1·5	19·1	0·6	19·0	1·8	21
22	20·9	2·4	21·1	1·7	20·0	0·6	19·0	0·9	19·4	0·9	19·8	1·3	19·2	0·7	18·9	1·3	22
23	20·7	2·4	21·3	1·6	19·9	0·6	19·0	1·0	19·1	0·9	19·7	1·4	19·3	0·9	19·1	1·2	23

TABLE X. (*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 1924

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

Figures in italics are eye observations.

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

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

JULY 1924.

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	900	918	900	919	890	907	892	908	893	904	879	950	889	952	892	940	Midnight
1h	900	919	900	914	891	907	892	908	905	903	880	949	890	949	900	945	1h
2	900	918	900	912	889	908	891	909	885	906	878	952	900	952	893	935	2
3	900	910	900	909	890	908	892	908	873	911	876	957	890	950	906	927	3
4	900	911	893	909	887	913	890	910	878	909	865	953	900	948	906	931	4
5	898	908	897	905	892	910	890	910	876	916	880	949	883	941	906	927	5
6	898	911	894	902	890	915	894	906	873	911	887	962	890	949	900	928	6
7	898	908	896	910	892	910	894	906	884	907	900	956	900	944	904	921	7
8	898	908	897	913	892	911	892	908	879	904	883	942	882	943	904	921	8
9	900	912	897	916	891	912	888	931	878	932	887	964	886	970	913	932	9
10	902	911	900	908	894	930	886	936	870	946	900	966	887	964	928	928	10
11	921	904	893	916	906	928	873	941	880	949	900	966	886	971	922	932	11
Noon	924	884	873	927	900	935	874	940	864	955	886	967	900	977	924	936	Noon
13h	922	878	868	932	906	931	875	938	866	952	886	970	886	971	919	929	13h
14	915	876	867	933	906	927	874	940	870	945	884	979	887	965	931	931	14
15	913	880	866	934	900	925	864	936	865	952	884	980	900	972	907	932	15
16	907	883	865	935	900	923	872	928	873	941	885	977	900	952	917	925	16
17	908	892	868	932	895	922	868	921	868	947	872	967	900	954	906	931	17
18	906	894	866	934	894	915	879	914	868	947	874	962	889	954	905	926	18
19	906	894	879	921	889	908	894	903	865	953	887	965	890	948	900	924	19
20	908	892	880	920	887	909	894	902	879	951	889	954	900	944	900	918	20
21	909	891	881	919	890	915	889	900	876	958	875	960	890	951	905	923	21
22	903	914	873	918	892	910	893	899	888	961	890	947	893	936	905	923	22
23	900	916	888	909	893	910	890	904	877	955	890	949	900	942	905	924	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	913	920	900	934	907	936	893	917	896	907	886	921	888	931	878	933	Midnight
1h	916	916	900	939	900	944	887	933	890	915	882	927	888	931	874	939	1h
2	909	922	906	931	900	935	889	926	889	916	882	918	889	928	873	941	2
3	911	926	906	930	900	940	891	921	896	907	880	920	888	930	874	940	3
4	903	913	907	934	900	937	887	919	880	920	875	925	888	931	875	937	4
5	907	917	907	933	900	943	889	916	892	908	880	920	887	919	879	931	5
6	916	916	900	932	900	934	891	922	887	913	874	926	885	922	890	923	6
7	909	909	900	933	900	934	886	921	888	912	878	922	876	936	885	938	7
8	906	914	900	937	900	944	890	923	891	909	875	925	885	937	877	935	8
9	905	924	911	955	900	939	891	945	882	927	873	941	880	948	867	949	9
10	915	923	912	961	910	951	882	943	883	926	876	957	872	967	868	948	10
11	910	923	911	955	910	951	891	945	881	947	872	942	871	971	863	957	11
Noon	904	920	912	960	910	948	890	948	882	944	875	959	871	969	852	972	Noon
13h	900	915	913	963	900	955	887	934	879	952	868	948	873	966	858	963	13h
14	904	919	911	956	890	951	890	925	884	939	867	950	865	953	862	957	14
15	908	939	910	949	890	948	883	941	881	946	867	950	878	954	864	955	15
16	906	931	909	943	900	952	894	931	885	937	877	956	867	949	867	949	16
17	906	930	900	961	900	945	887	934	886	935	875	938	871	943	865	953	17
18	900	951	900	942	908	941	893	917	888	912	877	935	877	935	872	928	18
19	900	931	900	941	900	934	890	915	891	909	882	927	885	938	867	933	19
20	900	932	907	936	900	940	891	912	887	913	878	932	878	932	878	922	20
21	900	934	909	943	900	937	890	915	886	914	879	931	882	927	871	929	21
22	900	940	908	939	900	922	892	911	892	918	887	933	878	932	876	936	22
23	900	941	909	945	900	932	893	909	886	922	889	927	877	935	879	931	23

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

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

JULY 1924.

Hour. \ Day.	17d. N.	17d. E.	18d. N.	18d. E.	19d. N.	19d. E.	20d. N.	20d. E.	21d. N.	21d. E.	22d. N.	22d. E.	23d. N.	23d. E.	24d. N.	24d. E.	Day. \ Hour.
Midnight	876	936	881	929	890	915	892	911	887	934	894	914	893	916	888	930	Midnight
1h	883	942	876	936	889	916	888	918	886	934	893	915	891	922	890	923	1h
2	875	937	871	943	883	917	893	916	886	934	892	918	889	916	876	924	2
3	870	945	876	936	880	920	886	921	889	929	893	915	906	913	889	908	3
4	874	940	877	934	876	924	882	918	889	927	889	929	907	936	884	911	4
5	864	955	879	931	887	913	889	928	891	943	888	918	908	940	881	896	5
6	865	952	875	925	885	915	883	917	894	930	881	913	889	927	887	909	6
7	867	950	871	929	875	925	880	920	900	947	890	914	888	930	882	918	7
8	872	941	864	936	877	910	879	931	900	951	890	915	900	933	891	909	8
9	858	963	861	959	864	936	871	944	887	966	891	922	891	943	873	927	9
10	849	976	866	951	876	936	879	950	900	973	891	943	900	950	871	929	10
11	841	988	853	971	856	966	873	966	900	975	881	947	900	948	864	936	11
Noon	858	963	861	958	862	957	886	969	900	984	888	960	890	951	868	947	Noon
13h	854	968	852	972	857	964	887	964	900	966	890	947	909	944	874	962	13h
14	859	962	849	951	865	953	878	954	886	968	888	957	900	945	979	952	14
15	850	975	857	965	863	957	875	961	900	970	879	951	908	941	878	953	15
16	861	959	858	962	868	947	878	953	885	977	883	943	900	940	877	955	16
17	853	971	858	942	865	952	879	952	888	959	884	940	900	947	880	949	17
18	878	954	861	939	875	937	886	936	889	955	890	924	892	937	885	937	18
19	873	941	875	938	883	924	878	922	886	936	887	933	890	923	872	941	19
20	879	932	881	929	885	926	883	926	884	940	890	925	893	915	887	913	20
21	887	919	881	929	885	923	888	930	888	931	893	936	892	918	889	911	21
22	878	933	882	927	886	921	887	932	895	923	893	935	893	916	882	918	22
23	881	928	886	922	886	921	885	937	896	920	894	927	890	923	888	930	23

Hour. \ Day.	25d. N.	25d. E.	26d. N.	26d. E.	27d. N.	27d. E.	28d. N.	28d. E.	29d. N.	29d. E.	30d. N.	30d. E.	31. N.	31. E.	Mean. N.	Mean. E	Day. \ Hour.
Midnight	892	920	885	923	887	913	885	910	900	914	890	915	897	906	891	922	Midnight
1h	881	928	886	922	895	922	885	910	900	918	911	929	897	908	892	925	1h
2	900	941	889	917	882	918	891	907	896	910	910	925	898	906	890	924	2
3	900	940	888	918	905	912	891	907	895	925	888	919	896	910	891	923	3
4	900	932	887	920	866	923	894	904	889	927	884	911	890	925	888	925	4
5	887	933	891	913	881	929	891	907	892	918	910	904	906	900	891	922	5
6	900	926	892	920	884	911	903	913	888	919	908	892	913	900	891	921	6
7	886	936	891	922	885	923	891	912	887	919	906	894	896	882	890	922	7
8	887	933	889	926	884	924	892	908	894	906	914	890	897	884	890	922	8
9	900	944	889	926	878	932	886	936	881	929	907	915	886	866	886	936	9
10	913	934	904	919	876	936	890	923	883	943	881	908	892	861	889	939	10
11	900	961	900	940	873	941	907	936	880	949	877	900	883	859	886	944	11
Noon	912	961	884	939	872	941	894	931	878	952	915	915	887	866	887	946	Noon
13h	900	978	886	934	870	946	874	939	882	943	924	924	891	855	886	945	13h
14	900	963	879	931	871	943	873	927	881	947	920	920	890	853	885	941	14
15	887	963	877	935	871	943	886	936	882	945	918	918	890	851	884	944	15
16	886	970	885	937	882	918	881	919	886	935	909	921	884	860	885	939	16
17	889	954	884	924	880	913	890	914	889	928	908	920	887	868	884	937	17
18	891	943	894	915	882	912	890	915	889	926	906	915	890	892	887	930	18
19	892	919	888	919	881	912	893	909	886	936	902	910	882	900	887	926	19
20	891	922	894	908	883	911	895	907	890	923	893	915	878	909	889	923	20
21	890	925	891	921	890	907	893	909	887	932	894	913	868	913	889	925	21
22	890	924	882	918	887	909	896	906	895	911	893	917	860	916	889	924	22
23	892	919	885	915	896	919	890	914	896	910	895	912	866	913	890	925	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during JUNE 1924.

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 1924.

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

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

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for JULY 1924.

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	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	0·2	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	0·2	...	...	3·4	...	...	...	...	...	0·3	0·1	...	...	...	...	...	...	...	...	...	...	...	...	...	2·1	02
3	...	..	...	...	...	0·3	...	0·8	122	0·2	...	0·2	...	...	1·0	0·2	...	...	...	...	...	0·2	...	...	...	...	...	...	...	0·5	...
4	...	...	0.5	...	...	...	0·2	...	0·6	...	...	...	...	...	0·7	0·2	0·1	...	...	...	...	0·2	...	...	...	...	...	...	...	0·3	...
5	...	...	...	...	...	0·3	...	...	...	...	...	...	...	...	...	0·3	4·8	...	...	...	...	...	0·7	...	...	...	...	...	...	0·1	01
6	...	...	...	...	...	0·5	0·2	...	1·2	0·2	...	...	...	...	...	0·4	...	...	...	...	...	...	...	...	.	...	...	...	0·8	0·2	...
7	...	...	...	...	...	0·2	0·2	...	1·2	...	...	0·6	...	...	0·4	0·3	...	...	...	..	...	0·2	0·4	...	...	...	...	0·4	0·6	0·2	...
8	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	0·9	2·0	...	...	...	...	...	...	0·4	...	0·8	0·3	...	...	0·4	0·3	...
9	...	...	...	...	...	...	0·4	...	...	...	...	...	...	...	0·4	0·3	...	...	...	...	...	...	...	...	1·7	0·3	...	0·3	...	0·5	...
10	...	...	...	...	...	...	1·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·0	..	...	...	...	...
11	...	...	...	...	...	...	...	...	...	..	...	...	..	...	...	...	...	...	..	...	...	...	...	...	1·1	...	...	...	...	...	...
Noon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13h	...	...	...	...	...	...	...	...	1·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	..	...	...
14	...	...	...	...	...	...	...	...	3·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·3	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...
17	..	...	...	...	...	...	1·0	...	0·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	..	...	...	...	0·5	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	0·5	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	0·2	...	0·6	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	...	...	...
23	...	...	...	...	...	...	...	...	...	..	...	0·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	..	0·2	...	...	...	...	...	...	0·3	...	...	...	...	...	0·2	...	...	...	...	...	1·1	...	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of JULY 1924.

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	3·96	100·6	69·6	17
	3	Belmont	50	4·47	113·5	66·0	11
	4	Poudre d'Or	20	3·97	100·8	64·0	10
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	4.78	121·4	89·2	18
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	0.77	19·6	82·0	15
	9	Beau Séjour	300	4.15	106·4	116·1	19
	10	Mont Piton	860	6.43	163·3	102·1	17
	11	Mon Choix	700	3.01	76·5	89·7	15
	12	Antoinette	640	6.36	161·5	104·9	19
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	7·18	182·4	112·8	22
	15	Mon Songe	620	6·02	152.9	113·0	16
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	3·62	91·9	82·8	26
	19	The Observatory ...	179	2·55	64·7	67·1	22
	20	Solitude	175	1·84	46·7	34·3	7
	21	St. André	90	1·79	45·5	45·5	8
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	5·05	128·3	...	15
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	0·63	16·0	...	7
	49	Poudre d'Or Station ...	172	1·30	33·0	...	8
	50	Rivière du Rempart* ...	134	1·19	30·2	...	7
2 & 3	1	Union Régnard S.E. ...	600	6·12	155·4	117·9	21
	2	Constance d'Arifat L.G.	100	4·12	104·6	94·5	20
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)* ...	...	8.85	224·8	...	10
	9	Belle Vue (Allendy)* ...	...	6.76	171·7	...	19
	10	St. Julien E(K. Reetoo)	...	3·22	81·8	...	17
4	1	Sans Souci	900	14·47	367·5	234·9	28
	2	Etoile	400	5.46	136·5	177·0	7
	3	Beau Champ	20	5·24	133·1	74.7	12
	4	Belle Rive*	400	...	...	...	...
	5	Olivia	400	8·35	212·1	123·9	18
	6	Deep River*	350	5·26	133.6	...	20
	7	Belle Rose Estate* ...	...	5·07	128·8	...	20
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	11·54	292·2	...	25
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau	460	6·96	176.8	142·2	15
	3	Ferney§...	20	...	...	...	...
	4	Beau Vallon	60	1·18	30·0	89·4	17
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	4·38	111·2	...	20
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	20·47	519·8	228·9	28
	2	Tivoli*	1,300	15·50	393·7	...	21
	3	La Flora*	1,050	14·39	365·4	...	21
	4	Britannia	730	7·19	182·6	166·6	17
	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*	...	5·61	142.5	...	19
	14	Union S. E.*	...	6·07	154·2	...	14
	15	Fontenelle§	...	...	...	...	...
	16	Combo*	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	2·08	52·8	81·8	9
	3	Beau Champ*	...	3·12	79·2	...	9
	4	Board*	...	2·96	75·2	...	9
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
	...	No returns.	...	...	...	...	...
10	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	9·67	245·6	197·4	27
11	3	Mare aux Vacoas ...	1,850	14·14	359·2	254·5	23
	4	La Marie Filter Bed ...	1,700	7·95	201·9	150·4	17
	5	Réunion	1,420	4·73	120·1	137·7	20
12	1	The Manse	850	2·03	51·6	53·8	21
	2	The Bower§	1,080	...	...	...	..
	3	Le Réduit (D. of A.) ...	1,000	3·09	78·5	62·0	29
	4	Alma	1,460	12.02	305·3	210·1	19
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	4·98	126·5	...	19
	7	Trianon	950	2·89	73·4	70·1	15
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	1·20	30·5	..	10
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	3·73	94·7	81·3	25
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	..
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or§	...	...	...	...	...
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	..	...
	2	Institute	...	1·42	36·0	...	4

* Normals not available § Record not Received

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NEW SERIES (MONTHLY). VOL. X. 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 1924

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 AUGUST 1924

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)
	° ′			′		
AUG.						
1	11.1·7	·22943	·29936	4·3	47	14
2	11.1·8	49	36	4·1	42	16
3	11.1·4	53	...	5·5	22	...
4	11.1·6	50	...	8·5	20	...
5	11.2·4	50	36	5·2	25	17
6	11.1·1	38	35	6·3	37	20
7	11.0·5	41	34	5·7	31	22
8	11.1·8	39	34	8·0	21	25
9	11.1·7	38	33	8·3	22	23
10	11.2·0	44	36	5·8	14	23
11	11.1·5	44	36	3·5	15	12
12	11.1·5	46	34	8·8	16	37
13	11.1·8	53	...	6·3	17	...
14	11.1·6	54	30	8·8	30	50
15	11.1·9	51	32	5·7	30	23
16	11.1·7	50	32	6·2	16	32
17	11.1·0	51	33	5·3	52	26
18	11.0·7	39	33	8·7	40	19
19	11.0·8	36	30	4·7	21	19
20	11.1·2	36	30	5·5	17	20
21	11.1·2	37	25	7·0	18	36
22	11.0·9	49	23	7·0	30	28
23	11.1·6	47	25	4·3	23	15
24	11.0·7	50	25	6·0	32	30
25	11.0·4	54	24	5·3	31	24
26	11.1·3	55	23	7·5	35	28
27	11.0·9	53	26	7·2	31	35
28	11.0·8	53	24	7·5	23	24
29	11.0·0	42	25	7·7	65	30
30	11.1·0	45	28	7·0	40	27
31	...	44	25	...	24	32
Mean	11.1·28	·22946	·29930	6·39	28·6	25·2

T=0·37713 : Mean Dip.=θ=52°.31′·45. (X=·22524 : Y=−·04380 : Z=·29930).

† 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.

AUGUST 1924.

August 17d 20h to 18d 4h

Long negative wave in H. F. (43 γ) culminating at 17d 23h with small superposed undulations, which lasted until 18d 16h, and 18d 6h to 8h double wave. (−10 γ to +10 γ).

In Dec 17d 23h to 18d 0h wave (−2′) 18d 6h to 9h wave(−6′) 17d 18h to 18d 7h In V. F. minute rapid fluctuations.

29d 11h to 30d 8h Long negative wave in H. F. (60 γ) culminating at 22h, with superposed positive wave 29d 22h ¾ to 30d 0h (20 γ) In V. F. 29d 22h ¾ to 23h small rapid fluctuations.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of AUGUST 1924

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. 1. 8.43	11. 0·9	AUG. 1. 9.35	·22950	AUG. 4. 9.32	52.30·56	·29917	AUG. 4.13.02	52.30·44	·29925
8. 9.10	10.44·3	.12.45	·22967	13.11.25	52.31·25	·29940	...	...	...
.13.43	10.58·7	8. 9.44	·22966	22. 9.40	52.31·62	·29947	22.13.41	52.28·07	·29895
13.11.12	10.45·6	.12.39	·22966	29. 9.18	52.30·09	·29932	29 13.26	52·30·62	·29914
22. 9.27	11. 1·7	16. 9.33	·22942						
13.52	10.57·2	.13.09	·22956						
29. 9.04	10.59·7	22.11.16	·22956						
13.38	10.59·2	.13.09	·22968						
		29. 9.46	·22936						
		.12.34	·22925						

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

AUGUST 1924.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	60·7	62·1	61·5	61·5	62·1	62·0	60·7	62·0	62·0	62·0	62·0	62·0	61·7	62·0	61·5	61·5	Midnight
1h	60·6	62·2	61·5	61·5	62·0	61·9	60·0	61·9	62·0	61·9	61·8	61·7	61·5	62·0	61·7	61·5	1h
2	61·0	62·3	61·3	61·5	62·0	61·8	60·0	62·0	61·8	61·5	61·5	61·5	61·5	62·1	61·8	61·7	2
3	61·3	62·5	61·3	61·6	62·0	61·9	59·5	61·0	61·7	61·3	61·3	61·5	61·7	62·0	61·8	62·0	3
4	61·5	62·5	61·2	61·7	62·1	61·7	60·0	61·5	61·8	61·0	61·3	61·5	61·7	62·0	61·7	62·0	4
5	61·5	62·3	61·3	61·3	61·8	61·0	60·0	61·5	61·7	60·7	61·0	61·0	61·3	61·8	61·5	61·7	5
6	61·0	62·3	61·1	61·3	61·9	61·3	60·0	61·5	61·5	60·5	60·7	60·5	61·0	61·5	61·0	61·5	6
7	60·3	61·3	60·2	60·7	60·9	60·0	59·0	60·3	61·0	61·5	60·0	59·5	59·3	60·0	60·3	60·0	7
8	60·1	61·0	60·7	60·7	60·0	60·7	59·3	61·3	62·0	62·0	60·5	59·8	59·0	60·5	61·0	60·3	8
9	61·3	62·2	62·2	64·0	62·7	62·5	61·2	64·0	64·0	64·0	62·3	61·0	61·7	63·0	64·0	62·7	9
10	63·0	63·8	63.8	65.5	64·4	64·1	62·0	66·0	65·3	64·8	62·5	63·0	63·0	64·2	64·7	64·0	10
11	63·5	62·7	63·5	64·2	65·2	63·8	62·7	65·7	65·0	64·5	62·7	65·5	65·3	65·3	65·2	64·7	11
Noon	63·8	61·0	63·0	63·0	64·5	62·7	61·8	63·8	64·0	64·3	62·0	66·5	65·3	65·0	64·3	64·3	Noon
13h	64·0	60·5	60·7	60·0	63·3	60·0	58·5	60·3	61·0	63·5	63·0	65·5	63·0	63·0	63·5	63·0	13h
14	62·5	59·7	59·8	57·8	63·0	57·8	57.0	58·5	58·3	62·7	62·7	62·0	61·5	60·0	62·0	61·0	14
15	60·2	59.7	58.3	57.0	60·5	57·8	57·3	58·0	57·0	60·0	61·0	58·0	60·7	56·5	59·7	59·0	15
16	59·7	60·5	59·0	58·5	60·5	58·5	58·0	58·5	58·0	59.0	59·5	57·7	60·5	57·7	59·5	58·5	16
17	60·7	61·5	60·7	61·3	62·0	59 9	60·7	61·0	60·3	60·3	60·3	59·0	61·0	60·0	60·5	59·5	17
18	62·0	62·5	62·0	62·0	62·9	60·8	62·0	62·0	61·5	61·5	61·5	61·0	62·0	61·5	61·5	62·0	18
19	62 7	62·7	62·3	62·8	63·0	61·7	62·5	62·5	62·0	62·0	61·5	61·5	62·3	61·7	62·0	62·5	19
20	62·7	62·5	62·3	63·0	63·0	61·5	62·5	62·5	62·0	62·1	61·5	61·5	62·2	61·7	62·0	62·3	20
21	62·4	62·3	62·2	62·9	62·7	61·5	62·7	62·5	62·0	62·1	61·7	61·5	62·0	61·7	61·5	62·0	21
22	62·5	61·8	62·0	62·5	62·3	61·3	62·3	62·3	62·1	62·2	61·8	61·7	62·0	61·5	61·5	61·5	22
23	62·3	61·7	61·7	62·5	62·2	61·2	62·0	62·2	62·1	62·1	61·8	61·5	62·0	61·7	61·5	61·3	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d. *	Mean	Day. / Hour
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	61·0	62·1	61·5	61·5	61·3	61·3	61·7	62·0	61·0	60·7	60·5	60·7	60·5	60·5	...	61.5	Midnight
1h	61·0	61·5	61·3	61·3	60·7	61·0	61·5	62·0	61·0	60·7	60·5	60·7	60·5	60·7	...	61·3	1h
2	60·7	60·5	61·0	61·0	60·5	60·7	61·0	62·0	60·5	60·7	60·5	60·5	60·7	61·0	...	61·2	2
3	60·7	60·0	61·0	61·0	61·7	60·5	61·0	61·6	60·7	60·7	60·5	60·3	60·7	61·5	...	61·2	3
4	60·7	60·0	61·0	61·3	60·8	60·5	61·0	60·5	60·5	60·5	60·5	60·3	60·5	61·3	...	61·2	4
5	60·5	60·0	61·3	61·0	60·7	60·5	61·2	60·3	60·5	60·5	60·3	60·2	60·5	61·2	...	61·0	5
6	60·3	60·0	60·3	60·7	60·5	60·3	61·0	60·0	60·0	60·0	60·0	59·5	60·0	60·0	...	60·7	6
7	59·0	54·0	59·7	60·0	60·0	59·5	60·0	58·0	58·2	58·5	58·7	58·7	58·0	57·0	...	59.5	7
8	59·7	57·0	60·0	60·0	60·7	60·3	60·7	58·0	59·0	59·2	60·0	60·3	58·5	58·0	...	60·0	8
9	62·0	60·2	61·5	62·0	62·0	61·5	62·0	61·0	62·0	62·5	63·0	62·5	60·7	60·5	...	62·2	9
10	62·7	62·5	62·0	62·7	64·0	64·0	63·5	62·5	63·5	64·4	64·3	65·0	62·8	63·5	...	63·7	10
11	63·3	62·7	62·7	64·0	65·0	64·7	64·0	64·0	63·0	66·0	64·5	65·5	64·0	64·0	...	64·2	11
Noon	63·0	61·5	62·0	63·5	64·5	64·0	64·0	64·0	62·5	65·5	64·7	65·0	62·7	62·0	...	63·6	Noon
13h	61·5	61·0	59·7	61·5	62·0	61·0	63·3	62·0	60·0	63·0	63·9	62·0	60·0	60·0	...	61·8	13h
14	60·3	61·5	58·0	59·3	59·3	58·2	62·5	60·5	58·7	61·0	61·0	59·5	58·0	58·7	..	60·1	14
15	58·0	60·5	58·0	58·5	58·0	57·7	60·2	58·0	58·3	59·3	57·5	58·0	56·3	59·0	...	58·6	15
16	58·0	60·0	58·0	58·5	58·0	58·3	59.7	58·0	58·3	59·0	57·5	58·5	56·5	60·0	...	58·7	16
17	60·0	60·7	60·0	60·5	60·0	60·0	60·1	59·0	59·5	60·1	59·0	59·7	58·0	61·5	...	60·2	17
18	62·0	62·0	61·7	61·5	61·2	61·0	61·0	60·7	60·0	61·0	60·0	60·0	60·0	62·2	...	61·4	18
19	62·2	62·0	62·1	61·7	61·5	61·5	61·5	60·3	60·5	61·5	60·3	60·5	60·0	*62·2*	...	61·8	19
20	62·0	62·0	62·0	62·0	61·7	61·7	61·7	60·5	60·5	61·5	60·3	60·5	60·0	*62·0*	...	61·8	20
21	61·5	62·0	62·0	61·8	61·8	61·5	61·8	61·0	60·7	61·5	60·3	60·5	60·0	*62·0*	...	61·7	21
22	62·0	62·0	61·8	61·5	61·5	61·5	61·9	61·0	60·5	61·5	61·3	60·5	60·0	*62·0*	...	61·7	22
23	61·0	62·0	61·5	61·7	61·5	61·4	61·7	61·0	60·5	61·5	61·3	60·3	60·0	*62·0*	...	61·6	23

* Register lost.

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 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	041	032	046	047	048	035	030	037	038	036	041	043	044	050	048	048	Midnight
1h	043	036	046	047	049	038	031	039	037	038	040	043	044	050	048	048	1h
2	044	038	046	048	049	049	033	035	037	039	041	044	049	049	049	049	2
3	044	037	047	047	051	049	036	040	038	039	041	044	049	050	049	048	3
4	046	039	053	049	042	045	035	041	039	041	045	044	050	050	050	050	4
5	049	041	057	053	041	050	037	039	039	044	047	045	050	052	051	051	5
6	054	044	060	061	049	041	040	042	041	049	046	047	053	056	052	052	6
7	060	048	062	059	050	046	047	042	045	050	050	049	057	059	060	056	7
8	061	050	067	058	055	045	050	048	047	050	050	051	059	061	059	056	8
9	059	049	063	052	059	045	058	053	049	046	050	052	060	058	053	056	9
10	059	046	060	047	052	039	061	043	040	041	043	054	057	052	049	057	10
11	065	047	053	046	059	049	051	037	027	041	042	052	057	057	052	056	11
Noon	066	068	050	049	062	054	050	032	028	044	051	051	058	066	064	055	Noon
13h	062	071	059	058	062	049	049	041	035	050	049	052	059	072	071	056	13h
14	051	071	066	061	056	041	047	038	041	048	051	045	061	069	062	051	14
15	040	074	061	047	057	030	043	037	041	049	049	041	061	062	053	047	15
16	025	062	050	042	054	017	041	038	035	047	040	039	050	048	045	043	16
17	022	049	048	041	049	022	037	039	034	041	036	038	047	042	041	042	17
18	022	049	048	049	056	025	036	036	038	046	040	042	047	047	043	049	18
19	021	046	047	051	053	029	031	037	037	047	041	043	048	049	047	049	19
20	020	042	047	050	045	028	030	036	035	045	041	047	049	049	048	048	20
21	019	040	046	043	039	031	035	036	038	042	041	046	049	049	047	047	21
22	023	041	045	045	039	030	033	036	039	040	042	048	050	049	047	045	22
23	028	043	047	046	037	030	036	036	037	040	042	045	050	048	047	041	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	042	020	031	030	030	038	041	045	040	048	044	039	055	020	044	039·7	Midnight
1h	041	025	032	031	031	039	041	041	041	048	047	040	052	020	043	040·3	1h
2	044	032	033	036	037	039	043	037	044	049	048	042	052	022	048	042·1	2
3	049	037	036	038	038	039	043	039	047	050	050	045	051	034	046	043·6	3
4	052	056	037	039	039	039	044	041	049	050	050	050	*053*	045	045	045·4	4
5	056	051	037	041	041	040	045	044	049	052	051	051	*055*	043	045	046·7	5
6	059	050	038	042	042	045	047	048	050	055	055	054	*058*	047	043	049·0	6
7	062	053	045	044	047	053	047	057	059	061	062	060	*061*	058	049	053·5	7
8	071	057	048	042	048	060	049	064	066	062	068	062	*063*	060	049	056·0	8
9	068	060	050	040	048	061	048	066	069	063	068	061	064	057	047	055·9	9
10	061	060	048	038	046	059	052	067	067	062	067	061	067	050	043	053·2	10
11	063	049	041	031	041	053	059	063	071	071	065	060	067	050	033	051·9	11
Noon	060	046	040	027	031	059	062	063	070	078	061	057	058	058	034	053·3	Noon
13h	057	047	037	029	030	063	061	069	071	077	060	051	047	060	051	055·0	13h
14	053	045	031	033	034	068	058	069	066	071	060	048	045	059	057	053·4	14
15	054	037	032	037	035	062	047	057	058	063	060	049	043	057	050	049·5	15
16	054	022	031	034	031	051	040	042	050	054	050	048	031	048	042	042·1	16
17	051	023	029	037	032	046	039	037	045	047	045	050	027	043	040	039·3	17
18	057	029	032	041	035	043	042	040	045	043	047	051	022	042	043	041·4	18
19	052	030	031	041	034	043	043	041	047	047	048	054	013	040	040	041·3	19
20	051	029	030	040	034	043	041	·042	047	048	049	055	010	040	040	040·6	20
21	041	029	029	036	035	042	042	041	047	045	037	056	007	040	041	039·2	21
22	025	028	030	033	035	042	041	041	047	044	041	056	*002*	040	041	038·6	22
23	019	026	030	031	037	041	040	041	047	044	040	056	030	040	041	039·2	23

N.B.—Figures in italics are interpolated values.

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 1924.

Hour. / Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	037	039	038	...	036	039	039	036	037	039	036	037	035	034	035	034	Midnight
1h	036	038	037	...	036	038	037	036	037	039	036	037	035	034	034	034	1h
2	035	036	036	...	036	038	037	036	037	039	036	037	035	034	034	033	2
3	035	036	037		035	036	036	035	036	039	037	037	035	034	034	033	3
4	035	035	036	...	034	035	036	035	036	039	037	037	037	034	033	033	4
5	035	036	035	...	035	034	035	034	036	038	037	037	037	035	034	033	5
6	035	036	036	...	035	035	035	034	035	038	037	037	037	035	035	034	6
7	034	035	035	...	033	035	033	033	035	037	036	036	034	033	033	032	7
8	036	037	037	...	035	039	034	035	036	040	039	037	037	036	036	034	8
9	039	044	040	041	041	043	037	040	038	042	041	040	042	043	040	040	9
10	040	045	041	044	044	044	036	043	038	044	042	044	046	047	042	046	10
11	039	039	031	037	045	038	036	042	037	040	035	043	048	040	039	041	11
Noon	034	031	023	025	039	030	033	039	035	033	031	042	043	025	029	037	Noon
13h	031	029	022	020	035	025	021	031	021	030	031	036	...	012	026	030	13h
14	039	030	017	017	034	024	017	018	015	027	030	020	...	—003	022	021	14
15	026	030	014	021	029	025	023	019	019	021	030	007		—002	019	014	15
16	029	032	020	029	028	030	031	022	022	023	031	014	...	010	021	017	16
17	033	035	028	033	031	033	036	030	030	031	031	026	...	025	027	024	17
18	037	039	033	036	035	036	037	034	035	035	039	034	035	031	031	031	18
19	039	038	..	036	036	037	036	035	036	036	039	035	037	034	034	034	19
20	040	038	...	037	036	037	036	036	036	035	038	035	035	034	035	034	20
21	040	039	...	036	037	037	037	036	037	036	037	035	035	035	035	035	21
22	040	038	...	038	038	038	035	036	037	036	036	035	034	035	035	034	22
23	040	037	...	038	038	038	035	036	037	036	036	034	034	035	035	035	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	035	036	033	031	030	028	027	026	026	025	026	025	024	031	027	032·4	Midnight
1h	034	036	032	031	031	028	027	027	026	025	026	025	023	030	027	032·1	1h
2	034	034	031	030	030	028	027	027	026	025	026	025	023	029	025	031·7	2
3	033	032	030	030	029	028	027	027	027	025	026	026	023	029	025	031·4	3
4	032	031	030	029	029	028	027	027	027	026	026	026	023	028	025	031·1	4
5	032	030	029	029	028	027	027	027	027	026	027	026	024	028	026	031·1	5
6	031	031	029	028	028	026	027	026	027	026	027	027	025	027	026	031·1	6
7	031	028	029	028	027	024	026	022	024	024	026	027	025	024	027	029·9	7
8	035	032	031	032	029	026	028	025	027	027	031	031	028	027	030	032·6	8
9	039	038	035	036	033	031	031	023	033	032	037	034	033	035	034	036·8	9
10	043	044	037	039	038	032	032	037	035	033	041	033	037	041	037	039·8	10
11	042	043	036	040	036	030	031	039	025	031	040	027	034	041	033	037·2	11
Noon	035	036	033	036	022	023	026	031	016	024	035	019	023	031	025	030·4	Noon
13h	031	034	027	027	013	011	023	021	012	012	026	015	014	021	016	023·6	13h
14	023	031	018	021	002	004	020	011	011	005	012	010	008	014	007	017·5	14
15	017	026	021	020	008	006	017	009	015	009	006	011	007	017	005	016·2	15
16	021	025	025	022	012	011	017	013	018	013	010	017	013	020	010	019·9	16
17	028	028	028	026	018	020	021	020	023	021	019	022	022	023	020	026·1	17
18	033	032	031	029	024	024	024	025	026	025	023	025	028	027	025	030·5	18
19	035	034	032	029	025	025	026	026	025	026	025	026	030	028	027	031·7	19
20	035	034	032	030	026	025	026	026	025	027	025	026	031	029	028	031·9	20
21	035	034	032	031	027	026	026	026	025	025	025	026	031	029	029	032·2	21
22	036	034	032	031	027	025	026	026	024	026	025	025	032	029	029	032·1	22
23	039	034	033	031	028	026	026	025	024	026	025	024	033	029	028	032·2	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1924.

Month and Day 1924.	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.	Rainfall: Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
AUG:	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1011·8	— 2·0	24·4	16·1	8·3	19·9	+ 0·1	2·8	14·9	— 0·1	73	— 2	16·8	10·7	0·0	...	3·6	4·2
2	1012·9	— 0·9	24·6	16·7	7·9	20·4	+ 0·6	2·7	15·6	+ 0·6	74	— 1	17·6	13·5	0·0	...	2·8	6·5
3	1010·6	— 3·2	25·7	19·2	6·5	22·0	+ 2·2	1·9	18·7	+ 3·7	82	+ 8	21·4	17·0	0·0	...	3·3	7·6
4	1010·4	— 3·4	25·7	19·8	5·9	21·9	+ 2·1	2·3	17·9	+ 2·9	78	+ 4	20·3	16·4	0·6	10	3·9	8·5
5	1012·5	— 1·3	24·6	19·5	5·1	21·0	+ 1·2	2·3	16·9	+ 1·9	77	+ 3	19·0	16·4	1·8	55	3·3	8·1
6	1012·6	— 1·2	21·7	18·6	3·1	19·9	+ 0·1	1·0	18·1	+ 3·1	90	+ 16	20·6	16·5	6·5	310	2·5	7·7
7	1013·4	— 0·4	25·4	19·1	6·3	21·5	+ 1·7	1·6	18·7	+ 3·7	84	+ 10	21·4	17·3	2·3	40	3·8	6·5
8	1014·6	+ 0·8	25·1	19·9	5·2	21·8	+ 2·0	2·0	18·3	+ 3·4	80	+ 6	20·8	16·9	2·4	50	5·2	5·8
9	1015·0	+ 1·2	24·0	18·8	5·2	20·9	+ 1·0	1·8	17·7	+ 2·8	82	+ 8	20·1	16·4	10·2	200	4·4	6·5
10	1014·8	+ 1·0	23·5	18·0	5·5	20·2	+ 0·3	2·3	16·1	+ 1·2	77	+ 3	18·1	16·4	0·0	...	3·8	5·6
11	1013·5	— 0·3	25·0	18·0	7·0	20·5	+ 0·6	2·1	16·8	+ 1·9	79	+ 5	18·9	15·2	3·2	65	4·2	7·4
12	1014·6	+ 0·7	24·3	18·2	6·1	20·8	+ 0·9	2·0	17·3	+ 2·4	81	+ 7	19·6	14·6	9·1	115	5·9	6·6
13	1016·6	+ 2·7	24·1	18·5	5·6	20·8	+ 0·9	3·0	15·5	+ 0·6	72	— 2	17·4	15·4	0·0	...	4·5	6·9
14	1016·7	+ 2·8	24·2	18·3	5·9	20·8	+ 0·9	2·3	16·7	+ 1·8	77	+ 3	18·8	15·5	5·9	50	3·9	7·1
15	1015·6	+ 1·7	22·6	18·2	4·4	19·8	— 0·2	1·3	17·5	+ 2·5	86	+ 12	19·8	15·8	4·6	125	4·1	7·5
16	1014·3	+ 0·4	23·7	18·0	5·7	20·2	+ 0·2	2·6	15·6	+ 0·6	75	+ 1	17·6	15·0	0·4	10	3·9	4·5
17	1013·9	— 0·1	24·2	17·6	6·6	20·6	+ 0·6	2·3	16·5	+ 1·5	77	+ 3	18·6	13·8	0·9	20	3·6	6·4
18	1013·3	— 0·7	24·0	19·2	4·8	21·1	+ 1·1	2·4	16·9	+ 1·9	77	+ 3	19·0	16·3	2·7	55	5·1	5·9
19	1010·9	— 3·1	24·4	18·0	6·4	20·7	+ 0·7	2·2	16·8	+ 1·8	78	+ 5	18·9	15·3	1·7	35	3·7	5·9
20	1008·2	— 5·9	24·0	19·1	4·9	21·3	+ 1·2	1·7	18·3	+ 3·3	83	+ 10	20·8	16·6	8·8	75	4·8	7·8
21	1005·8	— 8·3	23·9	17·6	6·3	20·8	+ 0·7	0·9	19·2	+ 4·2	91	+ 18	22·0	15·8	10·1	90	1·7	9·3
22	1006·7	— 7·4	24·7	16·0	8·7	20·1	0·0	2·3	16·0	+ 1·0	77	+ 4	18·0	12·5	1·3	5	4·3	4·8
23	1009·7	— 4·4	24·1	15·2	8·9	19·4	— 0·7	2·9	14·2	— 0·8	72	— 1	16·1	9·6	0·0	...	5·0	4·4
24	1010·9	— 3·2	24·4	14·0	10·4	18·8	— 1·4	3·2	13·0	— 2·0	69	— 4	14·9	9·7	0·0	...	4·6	5·7
25	1011·1	— 3·0	24·1	14·3	9·8	18·9	— 1·3	3·1	13·3	— 1·7	70	— 3	15·1	11·8	0·0	...	4·5	6·8
26	1014·9	+ 0·8	21·4	15·9	5·5	18·2	— 2·0	3·8	11·2	— 3·8	64	— 9	13·2	11·8	0·0	...	4·5	8·5
27	1016·3	+ 2·2	21·5	16·3	5·2	18·3	— 1·9	2·8	13·2	— 1·9	72	— 1	15·0	11·9	0·4	10	3·8	6·8
28	1016·3	+ 2·2	22·9	16·3	6·6	19·0	— 1·3	2·2	15·0	— 0·1	78	+ 5	16·9	12·6	1·0	20	5·6	6·3
29	1014·9	+ 0·8	23·4	17·5	5·9	19·5	— 0·8	1·8	16·2	+ 1·1	81	+ 8	18·2	15·6	10·4	135	4·6	6·1
30	1013·7	— 0·4	21·9	18·0	3·9	19·0	— 1·3	0·8	17·5	+ 2·4	91	+ 18	19·8	15·5	25·1	250	2·7	7·4
31	1012·1	— 2·0	24·0	18·1	5·9	20·5	+ 0·2	1·9	17·1	+ 2·0	81	+ 8	19·3	16·0	0·0	...	4·0	7·7
Mean	1012·9	— 1·1	23·9	17·7	6·2	20·3	+ 0·3	2·2	16·4	+ 1·4	78·3	+ 4·7	18·5	14·6	Sum 109·4	Sum 1725.	4·1	6·7
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 1924.

The month of August was characterised by low pressure, high temperature and humidity, and low wind velocities.

Pressure was above normal on 10 days. A very deep depression occurred between the 14th and 27th, the lowest value being 10.1 mbs below normal at 14^h on the 21st. North-westerly winds and heavy rain accompanied this depression.

Temperature was above normal from the 1st to the 22nd when a cold spell set in on the rising pressures of the 22nd to the 28th.

Relative humidity was above normal on every day except the 1st and from the 23rd to the 28th.

High wind velocities occurred on the 6th during the recovery from the low pressure of the 4th, and again from the 13th to the 18th during decreasing pressure.

Rainfall was 83% above normal at the Observatory.

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

Northern Districts	River System 1,	118 % above
Eastern Districts	,, ,, 2, 3, 4,	116 % ,,
South-Eastern Districts	,, ,, 5 & 6	51 % ,,
Western Districts	River System 11	156% above
	,, ,, 12	109% ,,
	,, ,, 13	No record

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of AUGUST 1924.

Month and Day 1924.	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	7·1	63	— 1·3	+ 0·8	32	1·5	2·0	— 1·9	25·3	24·1	22·7	22·2	...	21·9	21·9	f. : c : f .
2	5·3	47	— 1·7	+ 2·7	58	3·2	3·3	— 0·6	25·3	24·1	22·8	22·3	...	22·0	22·1	f. : e. .
3	2·7	24	+ 0·2	— 0·1	207	0·2	1·6	— 2·3	25·3	24·1	22·8	22·4	...	22·4	22·5	o. .
4	0·7	6	— 0·9	+ 0·9	45	1·3	2·2	— 1·7	25·3	24·1	22·9	22·8	...	23·1	23·3	o. p. .
5	8·7	78	— 2·2	+ 4·0	61	4·5	4·7	+ 0·8	25·3	24·1	23·0	22·9	...	22·9	22·9	o. d. o. g. q . r. .
6	5·9	53	— 3·3	+ 6·7	64	7·4	7·5	+ 3·6	25·2	24·1	23·1	22·6	...	22·2	22·0	c.q: o .q. r. c.q . .
7	8·1	72	+ 0·4	+ 3·6	96	3·6	3·7	— 0·2	25·2	24·1	23·1	22·5	...	22·2	22·1	c. : d. f. : o. g. p. .
8	10·0	88	— 0·4	+ 4·2	85	4·2	4·3	+ 0·4	25·2	24·1	23·1	22·6	...	22·4	22·3	f. d . : o .g. p. .
9	6·8	60	— 1·2	+ 4·6	75	4·7	4·8	+ 0·9	25·2	24·1	23·1	22·8	...	22·3	22·2	c. f. : o. r. : c . f. .
10	9·0	80	— 1·8	+ 3·7	64	4·1	4·1	+ 0·2	25·2	24·0	23·1	22·5	...	22·0	22·0	f. : c. c. f. .
11	8·1	72	— 0·4	+ 3·4	83	3·4	3·7	— 0·2	25·2	24·1	23·1	22·6	...	21·9	21·8	f. : p. o. r .
12	7·9	70	— 0·4	+ 3·0	82	3·0	3·2	— 0·7	25·2	24·1	23·0	22·5	...	22·3	22·5	o.g. r. : c . : f :
13	8·3	73	— 1·9	+ 4·3	66	4·7	4·8	+ 0·9	25·2	24·4	23·1	22·7	...	22·2	22·1	c. : f. : c. .
14	9·9	87	— 2·3	+ 3·9	60	4·5	4·7	+ 0·8	25·2	24·1	23·1	22·4	...	22·1	22·1	o.g .r. : c. : c. f . .
15	8·0	70	— 2·5	+ 4·2	59	4·9	5·0	+ 1·1	25·2	24·1	23·0	22·4	...	22·2	22·1	c .r. : c . f . .
16	9·7	85	— 1·8	+ 3·1	60	3·6	3·6	— 0·3	25·1	24·0	23·0	22·4	...	22·2	22·1	q. f. .
17	8·7	76	— 0·3	+ 3·8	85	3·8	3·9	0·0	25·2	23·9	23·0	22·4	...	22·1	21·9	c. : f. : c. .
18	10·2	89	— 0·6	+ 5·3	84	5·3	5·3	+ 1·4	25·2	24·1	23·0	22·3	...	22·1	22·1	c.p : c . f . .
19	9·0	79	0·0	+ 3·2	90	3·2	3·3	— 0·6	25·1	24·0	23·0	22·5	...	22·2	22·2	c. p. : c. f. : f .
20	2·8	24	+ 0·7	+ 2·9	104	3·0	3·1	— 0·8	25·1	24·1	23·0	22·5	...	22·2	22·2	f.p. : c : o .g. r. .
21	0·6	5	+ 1·1	— 0·5	204	1·2	2·4	— 1·5	25·1	23·9	23·0	22·5	...	22·4	22·6	r. o. r. .
22	6·1	53	— 1·0	+ 0·1	6	1·0	2·1	— 1·8	25·1	24·0	23·0	22·6	...	22·3	22·3	c. : f. : c. : f .
23	9·7	84	— 2·9	+ 1·5	27	3·2	3·2	— 0·7	25·1	24·0	23·0	22·4	...	22·1	21·8	c. : f. : c f.: f. .
24	4·6	40	— 2·1	+ 0·8	21	2·2	2·4	— 1·5	25·1	24·0	23·0	22·3	...	22·1	22·0	c. : f : c. : f .
25	6·5	57	— 3·2	+ 0·8	14	3·3	3·6	— 0·3	25·1	23·9	22·9	22·3	...	21·8	21·5	c. d . o. .
26	3·5	30	— 2·5	+ 2·4	44	3·5	3·6	— 0·3	25·1	24·0	22·9	21·9	...	21·5	21·1	o. .
27	5·6	48	— 2·5	+ 2·9	49	3·8	4·0	+ 0·1	25·1	24·0	22·8	21·7	...	21·3	20·8	o. : f. .
28	6·4	55	— 2·5	+ 3·8	57	4·5	4·6	+ 0·7	25·0	24·0	22·7	21·4	...	21·2	21·1	f. : c . .
29	8·6	74	— 2·2	+ 4·0	61	4·5	4·7	+ 0·8	25·1	24·0	22·6	21·4	...	21·5	21·1	o. r. c. : f. .
30	1·0	9	— 2·0	+ 2·9	55	3·5	3·6	— 0·3	25·0	24·0	22·5	21·4	...	21·2	21·2	. . o.r. . . : f .
31	5·3	46	— 0·8	+ 3·1	75	3·2	3·3	— 0·6	25·0	24·0	22·4	21·5	...	21·4	21·6	o . .
Mean	6·61	58·0	— 1·36	+ 2·90	64·8	3·20	3·75	— 0·15	25·16	24·05	22·92	22·32	...	22·06	21·97	...
Average	7·69	67·8	— 1·40	+ 3·20	66·4	3·49	3·90	...	24·84	23·83	...	...	...	21·45	21·35	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF AUGUST 1924.

Element	Highest			Date	Lowest		Date	
Atmospheric Pressure	1017·9 mbs	at	10h	on 13th & 14th	1004·0 mbs	at 14h	on	21st
Temperature of the Air	25·7C	at	14h	on 3rd & 11h 40m on 4th	14·0C	at 22·45h	on	24th
Daily range of temperature of the Air...	10·4C		...	on 24th	3·1C	...	on	6th
Temperature of the Dew Point	20·6C	at	12h	on 21st	9·8C	at 0h	on	26th
Daily range of temperature of the Dew Point	5·9C		...	on 25th	1·4C	...	on	7th
Relative humidity...	98·7	at	9h	on 9th	50·9%	at 12 & 13h	on	24th
Wind Velocity	11·4 m.p.s.	at	11h	on 6th	0·6 m.p.s.	9 times	on	3rd & 4th
Rainfall	25·1 m.m.	ending	17h	on 30th	..	...		...
Temperature of the soil at 3 ins. ...	24·2C	at	18h	on 4th	19·9C	at 9h	on	28th
,, ,, at 6 ins. ...	23·4C	at	21h	on 3rd & 18h, 21h on 4th	20·7C	at 6h	on	30th
Duration of sunshine...	10·2 hrs.,		...	on 18th	0·6 hrs.	...		21st
Amount of Evaporation in 24 hours	5·9 mm.		...	on 12th	1·7 m.m.	...	on	21st
Vapour Tension	24·0 mbs	at	12h	on 21st	12·1 mbs	at 0h	on	26th
Minimum on Grass	...		...	...	9·6C	...	on	23rd

Number of Days Overcast, 12, Clear 0, of Rain 21, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 21·71C, Average 21·78C, Mean Night Temperature of Air 18·85C, Average 18·05C.

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

† Thermometer broken.

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

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

AUGUST 1924.

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	0111	0136	0126	0104	0119	0137	0131	0145	0156	0155	0148	0142	0162	0174	0172	0157	Midnight
1h	0108	0134	0121	0102	0119	0135	0128	0144	0153	0152	0143	0140	0162	0174	0170	0154	1h
2	0106	0129	0116	0098	0118	0134	0127	0143	0147	0146	0137	0137	0160	0171	0166	0151	2
3	0102	0127	0110	0094	0117	0129	0125	0138	0046	0144	0135	0135	0159	0167	0162	0146	3
4	0103	0126	0110	0093	0117	0127	0123	0136	0143	0143	0131	0134	0157	0164	0160	0144	4
5	0106	0126	0108	0094	0117	0125	0125	0135	0143	0145	0133	0140	0160	0165	0158	0140	5
6	0110	0129	0107	0101	0120	0127	0129	0137	0146	0149	0138	0138	0164	0166	0159	0143	6
7	0115	0130	0107	0098	0123	0128	0134	0143	0153	0154	0142	0145	0170	0168	0164	0148	7
8	0122	0140	0111	0107	0129	0137	0138	0150	0158	0158	0145	0153	0176	0175	0169	0154	8
9	0127	0147	0118	0114	0134	0137	0141	0155	0164	0159	0148	0155	0178	0177	0170	0155	9
10	0128	0146	0114	0115	0136	0137	0145	0157	0166	0164	0149	0156	0179	0179	0169	0155	10
11	0127	0139	0109	0111	0133	0130	0144	0155	0157	0161	0140	0153	0174	0176	0164	0151	11
Noon	0121	0133	0102	0104	0127	0122	0135	0149	0152	0152	0133	0144	0168	0169	0155	0143	Noon
13h	0117	0125	0098	0100	0123	0116	0128	0142	0145	0142	0128	0137	0164	0160	0149	0135	13h
14	0112	0118	0096	0093	0117	0114	0126	0138	0141	0136	0123	0131	0159	0154	0142	0129	14
15	0109	0116	0093	0094	0115	0112	0114	0035	0137	0134	0118	0130	0155	0153	0136	0128	15
16	0111	0115	0095	0095	0116	0116	0126	0035	0137	0134	0117	0130	0155	0154	0136	0127	16
17	0115	0118	0096	0098	0118	0116	0130	0137	0140	0136	0122	0137	0156	0155	0137	0127	17
18	0117	0118	0096	0100	0126	0119	0135	0143	0147	0138	0125	0142	0164	0157	0144	0130	18
19	0126	0123	0097	0104	0127	0126	0137	0147	0152	0144	0129	0148	0168	0163	0148	0136	19
20	0129	0127	0102	0110	0135	0127	0143	0154	0157	0149	0136	0155	0175	0168	0155	0140	20
21	0135	0131	0105	0115	0138	0129	0144	0158	0158	0153	0138	0162	0176	0172	0159	0145	21
22	0136	0129	0105	0118	0137	0129	0147	0159	0157	0154	0143	0163	0176	0173	0158	0146	22
23	0136	0128	0105	0119	0137	0129	0146	0158	0157	0152	0142	0164	0175	0172	0158	0146	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	0146	0144	0129	0104	0074	0063	0089	0114	0114	0134	0166	0174	0157	0149	0139	1013·5	Midnight
1h	0143	0142	0126	0100	0067	0060	0088	0111	0111	0131	0161	0171	0155	0143	0133	1013·2	1h
2	0136	0137	0122	0095	0063	0055	0085	0108	0105	0129	0155	0166	0153	0140	0130	1012·8	2
3	0134	0135	0116	0090	0060	0054	0084	0106	0103	0128	0153	0165	0150	0135	0125	1012·5	3
4	0133	0130	0113	0086	0054	0053	0084	0105	0102	0135	0153	0163	0148	0134	0123	1012·3	4
5	0135	0131	0106	0086	0056	0054	0089	0109	0105	0135	0157	0163	0151	0134	0123	1012·4	5
6	0136	0134	0108	0089	0058	0061	0094	0113	0107	0142	0162	0167	0153	0136	0124	1012·7	6
7	0142	0137	0112	0094	0061	0067	0098	0122	0114	0151	0168	0173	0154	0139	0126	1013·2	7
8	0146	0143	0117	0095	0064	0071	0105	0125	0118	0154	0174	0176	0161	0145	0128	1013·7	8
9	0152	0150	0121	0097	0068	0075	0108	0126	0121	0159	0177	0175	0164	0152	0131	1014·0	9
10	0152	0151	0122	0096	0067	0075	0110	0126	0120	0161	0178	0174	0164	0151	0131	1014·1	10
11	0147	0143	0115	0088	0066	0070	0104	0115	0111	0155	0173	0167	0155	0146	0127	1013·6	11
Noon	0141	0136	0107	0080	0057	0063	0096	0105	0105	0153	0163	0162	0151	0137	0122	1012·9	Noon
13h	0135	0130	0104	0075	0053	0062	0092	0098	0100	0145	0161	0154	0143	0133	0114	1012·3	13h
14	0130	0125	0097	0068	0040	0052	0084	0094	0095	0139	0152	0149	0144	0125	0110	1011·7	14
15	0125	0119	0094	0067	0041	0052	0085	0092	0094	0140	0145	0143	0130	0122	0106	1011·4	15
16	0125	0113	0092	0066	0042	0055	0090	0094	0093	0140	0144	0142	0131	0122	0105	1011·5	16
17	0127	0117	0094	0065	0042	0062	0093	0095	0102	0143	0152	0151	0132	0122	0107	1011·7	17
18	0133	0122	0096	0068	0053	0069	0096	0100	0109	0152	0156	0154	0136	0126	0111	1012·2	18
19	0137	0127	0101	0070	0062	0075	0105	0106	0117	0156	0159	0161	0143	0134	0116	1012·7	19
20	0144	0132	0107	0074	0064	0082	0106	0111	0124	0164	0171	0166	0152	0137	0121	1013·3	20
21	0144	0133	0110	0078	0063	0085	0112	0114	0130	0169	0175	0167	0153	0140	0123	1013·6	21
22	0144	0130	0107	0077	0065	0087	0114	0114	0132	0172	0174	0166	0153	0141	0124	1013·6	22
23	0145	0128	0106	0075	0063	0087	0114	0115	0134	0170	0176	0164	0152	0139	0123	1013·6	23

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

Hour. \ Day.	AUGUST 1924.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	d 31	Mean.
Midnight	3	1	5	3	8	5	8	3	6	3	5	9	5	10	8	8	5	8	9	4	8	7	4	2	3	9	9	4	8	1	2	5·6
1h	2	6	7	6	8	3	7	3	6	1	8	9	8	10	9	7	6	9	8	4	7	6	5	4	5	9	9	2	9	1	4	6·1
2	3	4	8	8	9	6	10	2	7	3	6	10	9	10	9	5	6	9	7	3	9	5	6	6	7	9	9	2	9	3	6	6·6
3	1	4	8	8	9	5	4	2	6	3	6	9	9	10	8	4	7	9	6	3	10	6	6	8	9	9	8	2	7	5	7	6·4
4	2	2	7	10	10	10	4	2	7	3	4	9	7	9	8	4	7	8	5	4	10	4	8	8	7	9	8	5	9	8	7	6·6
5	2	4	10	10	10	10	3	3	9	4	6	9	8	9	7	2	6	8	6	5	10	4	9	8	6	9	9	7	10	6	8	7·0
6	3	9	9	9	9	10	4	3	6	3	9	10	9	8	7	3	8	8	6	4	10	4	9	9	9	10	9	9	8	8	10	7·5
7	4	9	8	9	9	10	5	4	8	5	10	10	9	9	7	3	5	7	7	9	10	3	7	9	7	9	9	8	7	9	10	7·6
8	0	8	8	8	8	10	4	6	10	6	9	9	4	6	8	3	5	6	6	7	10	1	3	6	8	5	9	8	9	10	10	6·8
9	1	7	8	8	9	8	6	6	10	7	9	9	4	6	9	3	6	6	6	6	10	1	3	3	7	5	9	9	10	10	9	6·8
10	3	7	8	7	8	8	7	6	10	7	8	8	3	6	8	4	6	6	7	7	8	3	3	2	6	6	9	6	9	10	9	6·6
11	5	7	7	10	8	7	7	7	8	7	7	7	5	7	7	3	6	6	7	10	10	5	5	3	6	7	9	6	7	10	9	6·9
Noon	5	7	7	10	8	7	6	7	7	8	7	7	8	7	7	3	6	6	6	10	10	6	5	4	6	8	9	9	6	10	8	7·1
13h	4	7	7	10	8	7	10	7	6	6	7	7	7	9	7	3	5	5	6	10	10	9	6	6	9	9	9	8	7	10	8	7·4
14	6	7	7	9	7	8	10	7	7	6	7	8	7	8	7	4	6	4	6	10	10	8	6	8	10	9	8	8	7	10	9	7·5
15	6	7	8	9	7	10	9	7	7	6	7	7	6	7	7	5	6	3	5	10	10	8	7	9	9	9	7	6	7	10	8	7·4
16	8	7	9	9	7	8	8	7	6	6	6	5	6	6	7	4	6	3	7	10	10	8	5	9	6	9	6	8	5	10	8	7·1
17	8	8	8	9	8	8	8	8	5	7	6	3	5	5	8	4	7	4	8	10	10	8	3	9	5	9	5	8	4	10	9	7·0
18	7	6	8	9	8	8	9	9	4	8	5	1	7	5	9	3	8	4	9	10	10	9	2	9	4	9	5	7	2	9	9	6·8
19	7	7	8	9	6	6	10	10	6	8	7	2	9	4	8	5	7	3	4	10	10	5	1	7	4	9	3	6	2	10	8	6·5
20	8	8	9	9	8	7	9	9	8	7	9	3	8	4	7	8	7	6	3	10	9	3	1	3	5	9	2	5	2	8	7	6·5
21	8	9	9	9	10	8	8	9	5	8	9	3	4	5	4	6	8	4	3	10	8	1	1	1	7	10	2	4	2	3	6	5·9
22	4	8	6	7	6	6	2	5	2	6	9	3	7	5	5	7	7	3	3	10	8	1	1	1	8	9	2	5	2	3	5	5·0
23	3	6	5	7	8	7	1	5	2	7	9	4	9	7	8	8	6	5	4	10	7	2	1	2	8	9	2	8	1	2	6	5·5

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

Hour* Ending \ Day.	AUGUST 1924.																															
	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	20	0	1	2	0	0	4	25	0	12	0	0	13	0	2	0	4	0	0	1	0	21	0	0	6	8	22	0	0	1	0	2·4
8	60	38	0	2	12	0	55	58	0	50	28	0	14	48	6	59	30	42	44	37	0	60	31	1	12	39	55	15	0	0	14	13·5
9	60	30	20	0	52	29	58	60	0	52	48	8	60	60	31	60	52	60	60	45	0	60	60	21	30	28	15	23	20	15	50	19·4
10	60	40	17	28	32	50	59	60	1	57	60	44	60	60	36	60	51	60	51	55	35	60	60	60	44	32	6	50	52	28	45	23·6
11	50	42	1	3	56	55	52	60	45	59	60	45	60	60	53	60	59	60	52	28	0	59	60	60	60	4	5	60	58	15	47	23·1
Noon	24	60	15	4	60	50	60	60	48	25	60	55	54	60	60	60	55	60	59	3	0	54	60	60	46	35	35	49	60	0	40	22·9
13h	50	60	30	0	60	56	39	60	58	45	60	60	56	50	58	60	45	60	59	0	0	14	60	48	5	0	0	31	59	0	38	20·4
14	60	44	40	0	60	40	4	60	60	53	58	60	5	50	57	60	58	60	58	0	0	4	60	23	20	30	10	51	60	0	39	19·7
15	40	3	35	0	59	30	58	55	58	60	20	53	48	58	56	53	59	60	59	0	0	30	54	1	26	4	59	49	59	0	8	19·2
16	0	3	2	0	56	18	44	56	60	56	36	60	52	60	58	54	48	60	40	0	0	3	47	0	60	31	59	46	60	0	21	18·2
17	1	1	0	0	59	27	40	35	60	50	51	60	53	60	54	58	45	60	49	0	0	2	60	0	60	0	56	8	60	0	17	17·1
18	0	0	0	1	15	0	12	12	15	20	7	31	22	28	7	0	16	28	9	0	0	1	30	0	22	0	16	0	28	0	1	5·3
19																																

The total amount of registered sunshine was 204·8 hours and the total possible sunshine 353·3 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

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	
Midnight	19·0	2·1	17·1	1·2	20·3	2·2	20·5	0·8	20·1	1·7	19.3	1·1	20·1	0·8	20·6	0·9	Midnight
1h	18·1	1·4	16·7	1·1	19·7	1·7	20·5	0·7	20·1	1·8	19·3	1·0	20·6	0·9	20·6	0·9	1
2	17·1	1·5	17·1	1·2	19·7	1·2	19·9	0·7	20·1	1·7	19·3	0·9	20·4	0·9	20·6	1·1	2
3	16·4	1·4	17·3	1·1	19·9	1·4	19·8	0·8	20·0	1·5	19·1	0·8	20·2	0·9	20·0	0·8	3
4	17·3	1·6	17·4	1·2	20·0	1·3	20·0	0·8	19·9	1·5	19·1	0·7	20·2	1·0	20·2	1·0	4
5	16·2	1·2	18·0	1·5	20·0	1·1	20·1	0·6	19·6	1·2	19·0	0·9	19·9	0·9	20·4	0·9	5
6	16·5	1·5	18·1	1·7	19·9	1·0	20·6	0·8	19·7	1·3	19·0	1·0	19·3	0·6	20·1	1·0	6
7	16·3	1·2	18·3	1·8	20·2	1·1	20·5	0·5	19·6	1·3	19·0	0·9	19·3	0·3	20·1	1·1	7
8	19·4	2·3	19·7	1·7	21·1	1·4	21·6	0·8	20·2	1·6	19·3	1·1	22·1	1·5	21·3	1·6	8
9	21·2	3·4	21·9	3·2	22·3	2·0	22·9	1·8	22·3	3·2	19·9	1·1	22·9	2·7	23·1	3·0	9
10	22·8	4·9	22·8	3·8	24·2	2.9	24·3	2·5	23·1	3·9	21·3	2·3	23·4	3·2	23·7	3·2	10
11	23·6	5·6	23·4	4·5	25·0	3·3	24·9	3·6	23·6	4·2	21·7	2·5	23·5	3·4	24·0	3·9	11
Noon	23·6	5·6	24·2	5·0	25·6	3·6	24·6	3·4	24·0	4·5	21·2	1·4	24·9	4·0	24·7	4·4	Noon
13h	23·9	5·1	24·3	5·2	25·2	3·1	23·9	2·8	24·1	4·6	21·0	1·4	23·8	3·5	25·0	4·6	13h
14	24·4	4·4	23·9	5·2	25·7	3·5	24·4	4·6	24·2	4·7	20·5	1·1	22·7	2·4	24·5	4·5	14
15	23·5	4·0	22·9	4·0	25·6	3·8	23·8	4·7	23·8	4·3	20·1	0·8	23·0	2·0	23·8	3·0	15
16	22·2	3·5	22·3	3·5	23·9	2·6	23·7	4·8	22·4	3·7	20·1	0·9	22·5	2·0	24·0	3·3	16
17	21·5	2·8	21·7	3·2	23·2	2·0	22·7	4·4	21·8	3·7	20·2	1·1	22·7	2·3	22·3	2·0	17
18	20·3	2·4	20·9	2·6	22·9	2·0	21·8	3·1	20·7	1·9	20·2	1·1	22·2	1·8	21·9	1·7	18
19	19·3	2·3	19·7	2·0	21·5	1·4	21·4	2·9	19·2	1·1	20·0	0·9	21·0	1·2	21·0	1·0	19
20	19·2	2·1	19·8	2·0	20·6	1·1	21·3	2·8	19·3	1·2	19·7	0·7	20·7	0·9	20·7	0·7	20
21	19·5	2·4	20·3	2·3	20·7	1·0	21·1	2·6	19·0	0·5	20·1	0·9	20·3	0·9	20·3	0·9	21
22	18·1	1·7	20·2	2·1	20·7	0·9	20·7	2·2	19·5	0·8	20·0	0·9	20·4	0·7	20·1	0·9	22
23	17·9	1·6	20·1	2·2	20·9	1·0	21·0	2·5	19·2	0·7	19·6	0·6	20·7	0·8	20·3	0·6	23

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

TABLE X. (*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*)

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

Hour. / Day.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean. Air.	Mean. Excess of Air over Evap.	Day. / Hour.
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Midnight	14·8	1·7	17·5	4·2	17·5	3·5	17·0	1·2	18·1	1·0	18·9	1·1	18·6	0·5	18·8	1·3	Midnight
1h	14·9	1·4	17·7	3·4	17·3	3·1	17·5	1·8	17·9	1·1	18·7	1·1	18·4	0·4	18·7	1·2	1h
2	15·9	1·3	17·6	3·7	17·0	2·8	17·0	1·6	17·9	1·0	18·8	1·2	18·5	0·5	18·6	1·2	2
3	16·2	1·3	17·0	2·3	16·7	2·2	17·0	1·9	17·7	0·9	18·4	1·0	18·4	0·7	18·4	1·1	3
4	16·3	1·5	16·7	3·2	16·4	2·4	17·4	1·6	17·7	0·5	18·4	0·9	18·5	0·7	18·5	1·2	4
5	16·6	1·7	16·7	3·0	17·0	3·0	17·3	1·9	17·7	0·6	18·3	0·4	18·3	0·4	18·5	1·2	5
6	16·4	1·7	16·7	3·1	16·8	2·7	17·3	2·2	17·5	0·8	18·0	0·8	18·7	0·8	*18·4*	1·2	6
7	16·5	1·6	16·2	1·4	16·7	2·2	17·4	1·4	17·6	1·0	18·3	0·5	18·7	0·4	18·4	1·0	7
8	18·6	2·6	18·0	3·5	18·3	3·1	18·2	1·7	18·3	0·7	18·8	0·6	19·9	0·5	19·8	1·5	8
9	20·8	4·0	19·3	4·4	19·8	4·3	18·5	1·1	19·0	0·7	19·0	0·8	22·0	2·1	21·3	2·6	9
10	22·0	4·5	18·9	3·1	19·9	4·3	22·2	4·4	20·9	2·3	20·1	1·0	22·7	3·2	22·3	3·3	10
11	23·4	5·7	19·9	5·2	18·9	2·5	22·6	5·1	21·0	2·0	19·6	1.1	23·2	3·4	22·8	3·8	11
Noon	23·7	5·7	20·0	4·5	20·0	3·2	21·7	4·0	22·1	3·5	20·2	1·2	23·9	4·1	23·2	4·0	Noon
13h	23·1	4·8	19·8	4·5	18·3	1·3	22·5	4·7	22·5	4·0	20·4	0·9	23·6	4·2	23·0	3·9	13h
14	21·1	2·8	19·8	5·0	20·1	3·1	22·1	4·6	22·6	3·9	19·5	0·7	23·8	4·5	23·0	3·9	14
15	22·0	3·8	19·0	3·7	21·2	4·6	21·6	3·6	21·9	3·1	19·9	0·8	23·0	4·0	22·7	3·7	15
16	22·1	4·5	20·1	5·2	20·7	4·2	20·5	2·7	21·8	3·5	19·2	0·5	22·9	4·1	22·1	3·4	16
17	20·5	3·2	19·0	5·0	20·0	3·2	19·2	1·9	21·0	2·7	19·0	0·8	21·9	3·4	*21·4*	3·0	17
18	19·6	3·2	18·5	4·3	18·5	2·4	18·3	0·8	19·7	2·1	18·8	0·8	21·0	2·2	*20·5*	2·3	18
19	18·9	3·4	18·0	4·3	17·9	2·3	18·1	1·1	18·9	1·8	18·4	0·6	20·1	1·7	19·7	1·9	19
20	18·1	3·9	17·7	3·7	17·6	2.1	18·1	1·3	19·0	1·9	18·5	0·6	19·4	1·2	19·4	1·8	20
21	16·9	3·6	17·7	3·7	17·0	1.9	18·3	1·3	18·8	1·6	18·3	0·6	19·1	1·0	19·2	1·7	21
22	16·5	2·8	17·5	3·5	17·4	1·9	18·4	1·3	18·5	1·3	18·8	0·7	19·1	1·0	19·0	1·5	22
23	17·9	3·9	17·1	3·0	18·0	2·3	18·1	1·1	18·9	1·4	18·9	0·8	19·1	0·9	19·0	1·5	23

Figures in italics are eye observations.

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

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

AUGUST 1924.

Hour \ Day.	1d. N.	1d. E.	2d. N.	2d. E.	3d. N.	3d. E.	4d. N.	4d. E.	5d. N.	5d. E.	6d. N.	6d. E.	7d. N.	7d. E.	8d. N.	8d. E.	Hour.
Midnight	872	911	887	913	889	911	904	896	881	919	876	957	893	934	900	926	Midnight
1h	884	907	886	914	890	914	904	896	894	906	862	957	900	941	900	931	1h
2	893	903	886	914	891	912	905	895	889	911	865	953	900	935	900	937	2
3	886	906	884	916	892	910	904	896	887	909	867	950	900	936	900	928	3
4	882	908	880	920	890	914	904	896	884	916	860	960	892	941	900	939	4
5	888	905	877	915	890	910	905	895	880	913	871	971	894	927	900	940	5
6	892	903	874	911	894	906	905	895	890	925	873	966	894	927	900	939	6
7	884	907	886	914	896	904	913	897	888	930	852	972	896	921	900	944	7
8	880	908	887	913	896	904	906	904	883	926	856	967	891	921	900	939	8
9	873	911	881	929	888	912	905	903	887	934	858	963	910	950	911	955	9
10	882	918	878	932	879	909	909	909	880	948	871	970	908	941	900	953	10
11	891	913	868	948	887	913	924	900	887	963	856	1006	910	949	912	959	11
Noon	888	912	880	948	905	888	890	875	877	955	848	977	909	943	912	958	Noon
13h	895	875	889	956	917	875	905	924	878	953	861	993	910	948	890	951	13h
14	894	873	882	944	914	879	875	925	888	961	865	984	910	951	911	955	14
15	904	910	877	955	929	881	869	921	859	961	870	973	908	941	880	949	15
16	887	919	882	944	937	885	866	914	875	959	857	964	910	949	882	945	16
17	892	908	884	939	932	878	857	929	872	967	872	967	908	941	883	941	17
18	884	916	888	930	906	894	873	918	874	940	867	979	907	932	884	939	18
19	882	918	889	927	906	894	871	929	863	956	875	961	920	930	886	935	19
20	886	914	892	918	904	896	869	931	868	947	875	961	910	924	884	940	20
21	878	922	889	917	905	895	877	923	868	947	870	972	904	921	887	933	21
22	886	914	882	918	907	893	885	915	862	957	880	948	900	929	892	939	22
23	889	911	885	915	904	896	881	919	867	949	890	948	900	932	893	932	23

Hour \ Day.	9d. N.	9d. E.	10d. N.	10d. E.	11d. N.	11d. E.	12d. N.	12d. E.	13d. N.	13d. E.	14d. N.	14d. E	15d. N.	15d. E.	16d. N.	16d. E.	Hour.
Midnight	885	938	887	934	884	916	900	929	883	926	877	934	866	934	872	942	Midnight
1h	888	931	887	934	877	923	900	927	878	922	900	949	880	920	883	926	1h
2	881	928	887	934	885	924	889	926	871	929	876	936	900	922	889	928	2
3	883	926	888	931	881	929	903	917	900	920	869	946	881	929	885	924	3
4	887	934	886	936	882	943	903	917	891	921	874	939	880	930	885	924	4
5	885	938	886	935	900	918	888	909	885	923	875	925	872	928	877	923	5
6	888	931	888	930	909	921	900	911	889	926	882	918	883	925	869	931	6
7	878	933	887	919	900	935	893	916	892	937	879	921	885	937	875	925	7
8	893	934	887	932	879	921	891	921	884	940	881	928	900	939	878	922	8
9	900	941	880	948	881	929	900	938	877	955	870	946	877	955	874	940	9
10	884	940	875	961	882	944	911	955	872	967	863	956	887	963	866	951	10
11	900	976	875	960	911	952	910	951	869	975	875	961	861	958	878	952	11
Noon	900	954	874	940	909	946	910	948	887	962	870	973	870	972	883	943	Noon
13h	900	972	864	954	924	958	900	951	883	984	873	965	864	955	872	941	13h
14	886	968	870	946	911	954	911	954	874	963	879	950	861	958	870	946	14
15	884	981	875	959	900	947	900	955	873	966	865	953	859	962	880	948	15
16	887	965	878	953	900	946	891	944	872	967	881	947	864	955	883	941	16
17	886	967	881	946	900	945	884	940	882	945	867	949	864	955	884	939	17
18	880	948	888	931	900	937	889	917	875	937	879	931	872	941	887	920	18
19	884	939	890	923	894	929	893	917	887	933	885	937	871	929	887	920	19
20	890	949	890	915	889	926	887	919	882	945	882	918	875	937	887	920	20
21	891	943	885	924	900	926	887	920	878	932	888	918	882	927	890	914	21
22	885	937	885	924	904	920	886	922	886	936	883	925	874	939	904	919	22
23	887	934	880	920	887	933	889	916	879	931	878	922	876	936	900	918	23

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

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

AUGUST 1924.

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	914	886	935	900	916	900	923	904	918	897	892	881	904	884	911	Midnight
1h	897	906	892	939	897	908	900	921	903	917	897	893	885	903	882	912	1h
2	894	915	900	941	891	921	886	921	900	914	895	888	881	904	884	911	2
3	893	916	900	944	900	922	895	924	902	911	879	896	883	907	887	913	3
4	892	919	900	952	882	927	900	930	904	920	878	900	883	907	886	906	4
5	884	924	890	948	891	909	900	934	906	914	882	900	888	905	885	906	5
6	886	922	890	949	889	929	900	927	907	915	882	900	887	906	881	908	6
7	885	938	900	962	892	920	900	928	905	912	892	908	888	909	879	904	7
8	896	921	900	957	891	921	905	926	907	917	896	904	894	904	889	898	8
9	910	948	900	972	900	945	900	943	931	888	891	900	868	907	885	897	9
10	900	940	900	976	907	936	918	943	941	900	897	884	852	910	871	906	10
11	912	959	900	964	910	947	911	954	938	875	885	885	850	910	868	913	11
Noon	900	953	900	984	900	948	918	943	931	888	910	925	851	920	884	907	Noon
13h	889	954	900	977	909	943	927	941	936	886	934	900	844	937	886	878	13h
14	888	959	887	964	910	947	920	949	927	882	941	900	864	914	879	904	14
15	900	963	886	971	909	943	932	932	943	857	922	909	865	923	862	915	15
16	900	958	887	966	910	947	915	924	905	876	874	911	864	924	864	914	16
17	900	952	889	955	910	948	909	921	903	884	862	915	866	934	865	923	17
18	900	945	889	952	908	940	904	918	878	867	873	906	874	917	861	926	18
19	900	937	892	940	900	939	904	919	885	877	870	912	864	924	874	917	19
20	900	940	894	931	900	936	904	920	902	889	884	907	864	924	876	915	20
21	900	934	888	930	900	930	904	921	902	889	868	893	860	926	893	904	21
22	900	940	888	930	900	922	904	918	901	893	882	900	879	914	891	907	22
23	909	946	886	936	894	914	910	915	898	891	882	900	879	914	884	907	23

Day. / Hour.	25d.		26d.		27d.		28d.		29d.		30d.		31.		Mean.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	
Midnight	885	903	873	918	868	921	879	909	880	930	882	927	877	923	885	921	Midnight
1h	885	906	870	912	887	913	875	925	887	933	882	927	889	929	888	921	1h
2	890	904	879	904	877	915	875	925	876	936	885	924	900	929	888	921	2
3	886	906	889	902	889	929	880	920	887	934	890	924	881	928	889	921	3
4	883	903	872	911	877	910	880	920	889	952	886	934	906	914	887	924	4
5	879	904	883	907	877	915	880	920	900	926	879	921	895	922	887	920	5
6	892	908	863	915	855	930	886	921	884	939	869	931	895	926	887	922	6
7	887	913	893	901	866	914	900	942	885	937	878	932	909	922	889	924	7
8	878	905	884	907	868	932	887	920	908	937	876	936	900	913	890	923	8
9	877	895	868	948	880	930	879	952	883	943	872	941	891	942	887	934	9
10	877	885	877	934	870	945	883	943	879	950	876	936	888	958	887	937	10
11	875	890	873	941	890	947	874	964	863	956	876	936	900	951	888	943	11
Noon	869	869	840	940	878	952	861	958	862	957	894	931	882	944	887	939	Noon
13h	850	910	869	946	885	937	871	943	860	960	891	942	880	949	889	941	13h
14	855	900	870	946	874	939	858	962	868	947	876	924	891	943	887	938	14
15	834	913	858	942	869	946	865	953	865	952	865	935	900	962	884	941	15
16	832	914	859	941	858	962	862	957	854	969	871	929	882	945	880	940	16
17	828	948	878	933	869	931	873	941	875	937	878	922	883	941	882	937	17
18	839	941	876	924	879	921	878	933	876	936	879	931	889	929	883	929	18
19	859	917	889	926	869	931	861	939	875	925	890	923	891	921	884	927	19
20	852	920	885	915	872	928	865	935	874	926	882	918	891	913	884	925	20
21	885	906	884	916	882	918	875	938	878	922	882	927	889	916	886	923	21
22	881	908	894	928	880	920	876	936	878	922	888	931	889	917	888	923	22
23	854	919	883	925	876	924	875	937	874	926	886	922	889	917	886	923	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during JUNE 1924.

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 1924.

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

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for AUGUST 1924.

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	31
1h	...	...	...	..	...	...	...	0·2	..	...	...	0·7	...	4·0	...	...	...	0·3	...	...	...	...	...	...	...	...	...	...	..	...	...
2	...	...	...	...	...	...	0·6	...	...	...	...	0·1	..	0·4	...	...	...	1·0	0.3	1·2	...	...	...	...	...	...	...	...	...	...	...
3	...	..	...	...	...	0·2	...	0·2	...	...	...	1·3	...	...	1·7	...	0·3	...	0·6	...	..	...	...	...	...	...	...	...	1·0	...	...
4	...	...	...	...	...	1·3	0·2	0·3	...	...	...	0·2	...	0·8	0·3	...	...	0·4	0·2	...	...	1·3	...	...	...	...	...	...	2·0	...	...
5	...	...	...	..	...	0·4	0·5	...	...	...	...	0·1	...	0·4	0·6	...	...	...	...	...	0·9	...	...	...	...	...	...	...	3.0	0·9	...
6	...	...	...	...	...	0·5	...	0·3	1·0	...	...	1·9	...	0·3	0·2	...	...	...	...	...	0·1	...	...	...	.	...	...	...	0·5	...	...
7	...	...	...	...	...	0·8	...	...	...	...	...	1·9	...	...	0·2	...	...	...	0·6	1·3	...	...	...	...	...	...	...	...	...	0·5	...
8	...	..	...	...	...	...	...	...	2·6	...	...	1·9	...	...	0·2	...	...	...	...	0·5	...	...	...	...	...	...	...	...	...	1·6	...
9		...	...	...	...	0·2	...	...	3·0	...	1·4	1·0	...	...	0·5	...	...	...	...	0·8	7·5	...	...	...	...	...	...	...	2·5	0·9	...
10	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...	...	..	...	1·4	...	...
11	...	..	...	...	...	...	...	...	0·9	..	...	...	..	..	...	...	...	...	..	...	0·5	...	...	...	...	...	0·4	...	...	5·0	...
Noon	...	...	..	...	..	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	2·2	...
13h	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	2·0	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·1	...
15	...	...	..	...	...	0·7	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·1	...
16	...	...	...	..	..	1·1	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·8	...
17	.	...	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	0·2	...	...	..	...	...	...	...	...	4·0	...
18	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	.	...	...	0·6	...	...	0·5	...	...	...	...	...	...	...	0·2	...	...	...	...	...	0·7	...	...	...	...	...	...	...	...	0·0	...
20	...	...	..	...	...	...	0·5	1·4	...	...	...	...	...	...	...	...	...	...	...	...	0·2	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	1·3	...	...	0·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	1·4	...	...	...	0·4	...	...	...	...	...	...	...	...	...	...	1·0	...	...	...	...	...	..	...	...	...	...	...
23	..	...	...	...	0.4	...	...	...	...	..	...	...	...	...	...	...	...	...	...	4.0	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	..	...	...	..	...	...	...	1·8	...	...	...	0·3	0·4	0·6	1·0	...	...	...	...	...	...	...	...	...	1·0	...	...	...

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of AUGUST 1924.

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	3·47	88·1	48·0	16
	3	Belmont	50	29·90	75·9	34·8	12
	4	Poudre d'Or	20	2 47	62·7	35·3	11
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	6·01	152·6	55·9	20
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	4·07	103·5	64·8	19
	9	Beau Séjour	300	6·52	165·6	89·2	24
	10	Mont Piton	360	8·97	227·8	78·7	24
	11	Mon Choix	700	5·47	138·9	72·9	22
	12	Antoinette	640	7·79	197·9	97·0	14
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	10·94	277·9	92·7	21
	15	Mon Songe	620	5·75	146·0	98·3	15
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	5·94	150·9	71·1	24
	19	The Observatory ...	179	4·38	109·4	63·0	21
	20	Solitude§	175	...	...	...	...
	21	St. André§	90	...	...	...	...
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	4.23	107·4	...	20
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ..	296	7·55	191·8	...	11
	49	Poudre d'Or Station ...	172	0·73	18·5	...	16
	50	Rivière du Rempart* ...	134	4·41	112·0	...	7
2 & 3	1	Union Régnard S.E. ...	600	7·87	199·9	93·2	23
	2	Constance d'Arifat L.G.	100	4·00	101·6	67·6	18
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund	600	9·97	253·2	120·1	13
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)* ...	...	11·83	300·5	...	12
	9	Belle Vue (Allendy)* ...	...	6·36	161·5	...	18
	10	St. Julien E(K. Reetoo)	...	4·27	108·5	...	19
4	1	Sans Souci§	900	...	...	...	...
	2	Etoile	400	10.63	270·0	134·9	14
	3	Beau Champ	20	6·41	162·8	46.7	16
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	8·55	217·2	96·8	20
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	14·42	366·2	...	24
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau	460	4·86	123.4	110·5	5
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	4·57	116·0	75·4	18
	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	19·10	485·1	255·3	30
	2	Tivoli*	1,300	18·57	471·7	...	22
	3	La Flora*	1,050	14·67	372·6	...	24
	4	Britannia	730	9·01	288·8	152·1	22
	5	Savannah (Mill) ...	200	5·87	149·1	84·8	20
	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.*	...	7·75	196.8	...	20
	15	Fontenelle*	...	7·42	188·5	...	16
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	3·03	77·0	...	16
	3	Beau Champ*	...	4·27	108·5	...	13
	4	Board*	...	5·41	137·4	...	14
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	16·26	13·0	186·9	26
	3	Mare aux Vacoas ...	1,850	22.32	466·9	254·5	26
	4	La Marie Filter Bed ...	1,700	21·15	537·2	119·4	22
	5	Réunion	1,420	9·98	553·5	131·6	24
12	1	The Manse	850	2·84	272·1	43·9	24
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	5·19	131·9	58·4	28
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	9·76	247·9	...	24
	7	Trianon	950	5·38	136·6	66·5	21
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	1·40	35·6	..	16
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	5·05	128·3	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	...	2·07	52·5	..	9

* Normals not available § Record not Received

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

SEPTEMBER 1924

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DIRECTOR.

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of SEPTEMBER 1924

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)
SEP.	° ′			′		
1	...	...	·29926	...	...	21
2	11.00·5	·22938	26	6·5	46	29
3	10.59·7	38	23	6·5	36	36
4	11·00·0	46	25	6·5	31	26
5	11.00·3	39	29	6·6	46	17
6	10.59·3	22	30	5·3	57	15
7	11.00·8	34	26	7·0	87	26
8	11.00·9	03	...	5·5	72	...
9	11.00·3	19	32	5·2	44	19
10	11.00·3	20	31	5·3	42	23
11	11.00·6	30	30	6·2	24	33
12	11.00·6	30	25	5·7	34	34
13	11.00·5	20	21	4·5	27	34
14	11.00·6	22	20	5·7	18	32
15	11.00·4	23	18	5·8	38	28
16	11.01·2	25	17	6·0	21	30
17	11.01·0	31	14	5·7	36	18
18	11.01·1	41	08	5·0	34	16
19	11.00·2	26	07	6·3	23	27
20	11.00·3	28	09	6·2	25	12
21	11.01·4	29	04	4·2	14	33
22	11.01·4	36	03	7·7	17	27
23	11.01·0	26	06	7·3	42	21
24	11.01·3	15	05	7·5	39	21
25	11.01·1	09	03	9·7	36	39
26	11.00·8	12	06	7·5	27	24
27	11.01·6	21	06	7·2	29	29
28	11.00·9	14	05	5·8	30	39
29	11.01·1	26	03	9·5	38	28
30	11.00·4	22	06	9·6	14	32
...	...	...	...	...	...	...
Mean	11·00·67	·22926	·29916	6·47	35·4	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 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.

SEPTEMBER 1924.

September $1^d\ 0^h$ to $12\frac{1}{2}^h$ Loss of H.F. register

$1^d\ 13\frac{1}{4}^h$ to $15\frac{1}{2}^h$ Wave in H. F. (—27 γ)

$2^d\ 1^h$ to 3^h Wave in H. F. (+15 γ)

$4^d\ 8^h\ 50^m$ Sudden increase in H. F. (10γ) in Dec(1′) followed in H. F. by small rapid undulations until $5^d 10^h$

6^d Accentuated diurnal variation in H. F.

$7^d\ 13^h$ to $16\frac{1}{2}^h$ Rapid undulations in H. F. (± 5 γ): in V. F. small.

$7^d\ 20^h$ to 23^h Decrease of H.F. (60 γ) with superposed rapid fluctuations and sharp wave $22^h\ 25^m$ to $22^h\ 40^m$ (+10γ) in V. F. double wave (+3 γ to —3 γ)

$8^d\ 0^h\ 20^m$ to $0^h\ 40^m$ Sharp wave in H.F. (+12γ) followed immediately till 1.30 by double wave (—10γ) positive movement sharp. In V. F. two successive double waves (+8 γ and +5 γ)

In Dec 7.21 $\frac{3}{4}$ to 23 $\frac{1}{2}$ wave (+4′.0) $8^d\ 1^h$ to 2^h wave (+2′5)

8^d Accentuated and irregular D. V. in H. F. with small superposed undulations (see hourly values table IV)

$9^d\ 0^h$ to $0\frac{1}{2}^h$ Increase in H. F. (20 γ)

$9^d\ 3\frac{3}{4}^h$ to 5^h. Wave in H.F. (+20 γ)

$12^d\ 23\frac{3}{4}^h$ to $13^d\ 4\frac{1}{2}^h$ Small rapid fluctuations in H. F. and V. F.

$23^d\ 23^h$ to $24^d\ 3^h$ Rapid fluctuations in H. F. and V. F. followed in H. F. by two successive waves $24^d\ 3^h$ to 5^h (—20 γ), 6^h to 8^h (—30 γ)

In Dec. $24^d\ 7^h$ to 9^h, wave (—6′)

In V. F. $24^d\ 7\frac{1}{2}^h$ to 9^h wave (—8 γ)

T=0·37690: Mean Dip.=θ=52°.32′·11. (X=·25504: Y=—·04379: Z=·29916).

† 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 1924

Declination (West). Day and Hour.	Declination (West). Observed Value.	Horizontal Force (C.G.S. Unit) Day and Hour.	Horizontal Force (C.G.S. Unit) Observed Value.	Dip (South). A. M. Observations. Day and Hour.	A. M. Observations. Observed Value.	Resulting Vertical Force. C. G. S. Units.	P. M. Observations. Day and Hour.	P. M. Observations. Observed Value.	Resulting Vertical Force C.G.S. Units
d h m	° ′	d h m		d h m	° ′		d h m	° ′	
SEP. 5. 8.46	10.58·14	SEP. 5. 9.43	·22957	SEP. 5.9.01	52.31·5	·29950	SEP. ...	...	...
12. 9.43	11.03·09	.13.12	·22943	8.8.40	52.32·5	·29943	...	...	...
.12.54	11·01·70	10. 9.33	·22920	12.9.57	52.32·8	·29936	12.13.03	52.30·4	·29909
19. 8.54	11.02·07	.12.22	·22940	19.9.03	52.31·7	·29924	19 13.16	52·30·3	·29890
.13.26	10.59·62	17. 9.25	·22940	26·8·55	52·33·5	·29919	26.13.18	52.30.6	·29884
26. 8.38	11.02·42	.13.24	·22941						
.13.28	10.57·45	24. 9.22	·22924						
		.12.37	·22925						

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

SEPTEMBER 1924.

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

Hour \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′		′	
Midnight	60·2	61·0	60·7	60·1	61·0	61·2	61·2	61·0	61·8	61·0	61·8	62·3	61·8	60·5	...	60.8	Midnight
1h	60·3	60·5	60·5	60·1	61·0	61·1	61·3	63·0	61·7	60·7	61·9	60·5	60·5	60·5	...	60·8	1h
2	60·5	60·3	60·5	60·3	61·0	61·3	61·5	62·0	61·7	62·3	62·0	61·2	61·0	60·5	...	60·8	2
3	60·3	61·5	60·3	60·5	61·0	61·5	61·4	62·4	61·8	60·7	62·0	61·5	61·3	60·5	...	60·8	3
4	60·3	62·1	60·2	60·5	61·2	61·7	61·3	62·7	61·5	60·2	61·0	61·5	61·3	60·5	...	60·6	4
5	60·5	61·7	60·0	60·6	61·3	61·8	61·4	61·5	61·3	60·2	62·0	60·7	61·5	60·6	...	60·6	5
6	60·0	62·0	60·0	60·2	61·2	61·5	60·3	60·7	61·7	59·8	61·5	60·5	61·0	60·0	...	60·2	6
7	58·2	62·3	59·0	59·7	60·7	61·3	60·3	62·0	62·0	60·0	60·2	60·7	61·5	60·8	...	59.4	7
8	59·5	63·3	60·0	60·2	61·7	62·7	61·5	56·0	63·3	61·0	62·0	61·8	63·0	62·0	...	60·1	8
9	62·3	63·5	62·0	62·0	63·0	64·0	62·5	62·0	64·8	63·3	63·8	63·0	65·5	64·1	...	62·1	9
10	63·7	63·3	62·8	62·5	64·0	65·0	64·5	63·0	66·0	64·2	65·2	63·5	66·0	65·3	...	63·4	10
11	63·9	63·0	63·5	63·2	63·7	65·5	65·3	63·5	65·0	64·0	65·0	63·0	65·0	64·7	...	63·8	11
Noon	63·0	61·0	62·7	62·8	62·2	64·0	63·3	62·2	61·8	61·5	63·8	62·0	63·5	63·1	...	63·0	Noon
13h	62·0	59·8	60·7	60·0	62·0	61·5	60·0	60·5	59·5	58·7	60·2	58·5	60·5	58·0	...	61·1	13h
14	61·5	59·8	59·7	57·3	60·8	58·3	58·3	59·3	57·3	56·7	58·0	57·8	57·8	55·7	...	59·4	14
15	60·5	59·0	57·7	57·0	60·0	57·8	58·0	59·0	56·3	57·0	58·5	57·7	56·5	56·0	...	58·3	15
16	60·0	58·5	57·2	57·5	59·8	58·0	58.3	59·5	57·0	58·3	59·7	58·0	57·0	57·0	...	58·2	16
17	59·8	59·2	58·0	58·0	60·1	59·5	59·3	60·2	58·7	60·0	60·5	59·8	59·0	59·5	...	59·0	17
18	60·5	60·0	59·7	60·3	61·0	60·2	60·1	61·3	59·8	61·0	61·3	60·5	60·0	60·3	...	60·2	18
19	60·7	61·2	60·2	60·2	61·2	60·7	60·8	61·7	60·3	60·7	61·0	61·0	60·7	60·2	...	60·6	19
20	61·3	61·2	60·2	60·5	61·5	60·8	60·8	61·7	60·7	61·2	61·2	61·7	60·8	60·0	...	60·6	20
21	61·2	61·0	60·3	60·7	61·7	61·1	60·5	61·8	60·9	61·8	61·3	61·3	60·7	60·0	...	60·7	21
22	61·3	61·0	60·3	60·7	61·5	61·0	60·5	61·5	60·9	61·8	61·7	61·0	60·7	60·0	...	60·7	22
23	61·4	60·7	60·2	61·0	61·5	61·1	60·7	61·7	60·7	61·7	63·0	61·5	60·5	60·0	...	60·9	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).

SEPTEMBER 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	...	015	039	030	050	020	015	−021	001	019	020	029	002	020	022	018	Midnight
1h	...	031	039	031	042	028	016	−031	017	021	019	028	010	013	026	020	1h
2	...	033	041	030	047	030	020	−012	012	020	027	031	017	025	027	021	2
3	...	030	046	037	049	040	021	003	012	025	026	031	019	029	023	021	3
4	...	031	049	035	051	050	023	001	030	024	026	030	020	028	026	023	4
5	...	034	051	034	051	045	028	005	023	023	026	031	017	028	026	027	5
6	...	033	053	037	051	045	031	005	020	024	029	033	018	029	029	028	6
7	...	042	057	041	053	048	039	011	025	027	029	034	021	028	033	030	7
8	...	046	059	045	059	049	049	031	029	027	032	034	026	028	036	035	8
9	...	045	051	044	061	047	052	040	031	024	038	034	023	026	034	037	9
10	...	048	040	052	059	037	055	041	030	037	041	032	021	025	039	031	10
11	...	055	039	058	054	027	060	025	037	043	042	039	029	028	041	030	11
Noon	047	061	040	060	051	025	061	005	045	039	041	043	029	029	033	030	Noon
13h	040	050	036	061	040	011	058	003	038	027	043	044	022	027	029	029	13h
14	009	040	030	059	025	001	060	−011	021	019	038	040	021	020	022	029	14
15	022	033	029	056	020	−007	061	−006	011	001	031	031	023	011	019	021	15
16	027	032	023	053	021	−006	061	−009	009	002	023	032	021	013	010	016	16
17	022	030	024	046	032	−001	036	−009	007	008	022	029	022	014	003	019	17
18	017	030	029	043	034	001	034	−005	001	009	027	031	021	018	007	023	18
19	023	031	028	045	031	009	033	−003	011	010	029	025	020	019	009	023	19
20	021	033	025	047	022	010	031	−002	012	008	029	025	019	019	011	022	20
21	025	034	025	049	017	008	030	−001	014	012	029	024	019	019	014	021	21
22	022	036	027	047	015	008	−004	−001	013	017	029	022	020	019	017	022	22
23	017	037	030	046	017	013	−026	000	013	018	027	010	020	020	017	022	23

Hour. \ Day	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean.	Day. \ Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	021	026	030	021	019	039	032	040	006	011	015	000	016	019	...	019·8	Midnight
1h	023	027	029	024	021	037	033	033	007	017	016	029	029	020	...	022·6	1h
2	026	029	029	025	021	039	035	030	009	017	019	019	028	021	...	024·7	2
3	027	029	030	023	025	041	033	031	009	020	020	019	027	022	...	026·5	3
4	029	032	031	027	029	041	034	019	005	019	021	019	027	024	...	027·7	4
5	026	034	031	030	030	043	035	033	013	017	029	021	028	024	...	029·1	5
6	028	035	036	030	031	042	034	030	011	012	030	020	027	021	...	029·4	6
7	036	046	037	035	033	041	035	005	015	011	031	024	029	020	...	031·6	7
8	042	052	036	036	032	040	038	019	015	010	031	019	032	019	...	034·7	8
9	046	055	031	041	032	039	043	020	010	009	022	016	032	019	...	034·5	9
10	046	055	026	043	030	030	041	021	006	002	029	017	036	021	...	034·2	10
11	048	057	028	045	029	026	035	023	013	005	019	020	047	030	...	035·6	11
Noon	051	060	030	034	022	028	035	020	029	010	026	023	045	031	...	035·7	Noon
13h	043	059	030	028	030	029	027	019	027	022	032	018	032	029	...	032·5	13h
14	031	052	029	029	030	031	015	010	015	027	030	009	033	026	...	026·9	14
15	022	051	018	031	029	036	007	003	000	020	022	000	029	026	...	021·7	15
16	015	046	014	029	030	035	001	001	−007	010	020	002	023	022	...	018·7	16
17	021	035	017	027	031	036	009	002	−007	007	020	007	017	020	...	018·1	17
18	024	033	021	025	032	039	015	004	−005	007	012	000	009	021	...	018·6	18
19	027	036	022	023	032	038	015	002	008	000	017	−001	009	021	...	019·6	19
20	025	035	019	020	030	038	009	001	010	001	019	009	010	020	...	019·2	20
21	026	032	019	021	029	039	012	001	011	001	017	009	013	017	...	019·3	21
22	026	031	019	020	029	034	020	001	012	009	005	011	019	019	...	018·7	22
23	026	031	020	020	032	032	031	002	011	012	003	011	019	019	...	018·4	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).

SEPTEMBER 1924.

·29900 + (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	029	031	030	030	024	030	032	033	031	031	031	028	027	022	020	020	Midnight
1h	027	031	029	030	025	030	031	031	031	031	031	028	028	022	019	019	1h
2	026	029	029	030	024	030	031	032	031	030	031	027	025	023	018	019	2
3	025	029	027	030	024	029	031	031	032	031	031	027	024	020	019	018	3
4	024	029	026	029	025	025	030	031	031	030	031	028	023	021	018	018	4
5	025	029	025	029	024	024	030	031	031	031	031	029	024	021	019	018	5
6	026	029	025	029	024	025	030	031	031	031	031	029	024	021	018	017	6
7	027	028	022	029	025	024	029	031	030	031	031	029	024	021	017	018	7
8	026	031	027	028	030	025	030	033	032	030	031	032	030	026	022	022	8
9	031	036	030	031	032	033	032	037	040	033	035	037	034	032	027	028	9
10	033	037	033	035	037	036	036	037	042	040	044	039	032	033	031	029	10
11	032	035	028	035	041	039	033	036	041	043	041	033	025	030	027	030	11
Noon	029	033	020	029	040	039	027	...	037	040	033	020	019	023	021	025	Noon
13h	021	023	007	020	035	036	020	...	030	033	031	009	009	014	016	012	13h
14	018	012	—003	012	033	031	016	...	023	026	021	005	000	004	008	000	14
15	013	008	000	009	032	027	012	...	025	020	011	005	001	001	003	000	15
16	012	009	010	009	027	024	010	...	027	022	015	010	004	003	007	005	16
17	021	014	019	014	025	025	016	...	029	026	022	019	011	010	011	010	17
18	029	021	025	020	026	029	021	...	032	031	029	026	020	016	017	012	18
19	030	025	029	022	027	030	022	030	031	033	030	029	022	019	019	015	19
20	031	026	030	023	028	030	023	031	031	032	030	029	024	021	021	017	20
21	031	028	030	024	029	031	024	031	031	032	030	029	023	022	021	017	21
22	033	029	030	025	030	031	029	032	031	031	029	029	023	023	021	019	22
23	032	029	030	025	031	032	032	032	031	031	028	030	024	022	021	019	23

·29900 + (C.G.S. UNIT).

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean.	Day. / Hour.
Midnight	017	011	009	010	009	006	005	005	009	007	007	009	009	009	...	018·2	Midnight
1h	016	011	009	010	009	007	005	007	009	007	006	006	008	009	...	018·3	1h
2	015	011	009	010	009	007	005	006	009	007	006	004	006	007	...	017·7	2
3	014	011	009	010	009	007	005	006	009	007	006	005	005	006	...	017·4	3
4	014	011	008	010	009	007	005	008	009	007	006	006	005	006	...	017·2	4
5	014	011	008	010	009	007	006	007	009	008	007	006	006	007	...	017·4	5
6	013	010	008	009	009	006	005	006	010	008	007	007	007	007	...	017·3	6
7	012	010	009	009	007	008	007	009	011	009	007	009	010	010	...	017·7	7
8	016	011	013	011	009	011	012	005	013	012	011	015	013	013	...	020·4	8
9	022	012	018	013	012	012	013	012	014	014	017	019	013	017	...	024·2	9
10	024	011	020	013	017	012	017	012	014	013	020	020	011	020	...	026·2	10
11	021	010	017	015	013	011	017	005	007	013	016	015	008	012	...	023·9	11
Noon	015	008	007	011	001	003	008	—005	—007	000	004	003	000	000	...	016·7	Noon
13h	008	003	—004	004	—010	—007	—003	—009	—023	—010	—003	—012	—011	—009	...	007·9	13h
14	006	003	—007	003	—016	—015	—004	—009	—025	—010	—009	—019	—015	—012	...	002·7	14
15	009	002	—007	003	—014	—014	—001	—008	—019	—010	—005	—013	—013	—007	...	002·4	15
16	007	—002	—002	004	—009	—007	001	—001	—009	—005	—001	—008	—007	—001	...	005·3	16
17	009	—004	000	005	—001	—001	004	003	000	003	002	—001	—011	001	...	009·7	17
18	011	001	005	008	002	001	006	009	004	010	005	005	002	005	...	014·8	18
19	012	006	006	008	003	002	006	009	007	010	007	007	007	005	...	016·5	19
20	013	007	007	009	004	003	007	009	008	011	008	009	007	006	...	017·3	20
21	014	009	009	010	005	005	007	009	008	011	008	009	007	008	...	018·0	21
22	015	009	010	010	006	004	007	009	008	010	009	009	008	009	...	018·5	22
23	015	010	011	010	007	005	006	009	007	009	010	009	008	009	...	018·7	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1924.

Month and Day 1924.	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.		
SEP:	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1011·1	— 3·0	25·0	18·2	6·8	21·0	+ 0·6	2·2	17·1	+ 2·0	78	+ 5	19·3	15·6	0·0	...	5·0	7·7
2	1011·7	— 2·3	24·6	18·0	6·6	21·0	+ 0·6	2·2	17·1	+ 2·0	78	+ 5	19·3	14·9	0·0	...	4·3	4·6
3	1013·2	— 0·8	23·9	18·7	5·2	21·3	+ 0·9	2·1	17·6	+ 2·4	79	+ 6	19·9	15·4	19·0	115	8·0	7·7
4	1012·7	— 1·3	24·5	17·6	6·9	20·7	+ 0·3	2·4	16·5	+ 1·3	77	+ 5	18·6	13·8	0·0	...	4·7	5·0
5	1011·4	— 2·6	24·5	15·0	9·5	19·6	— 0·9	2·3	15·5	+ 0·3	77	+ 5	17·4	11·6	0·5	5	4·7	2·9
6	1011·6	— 2·3	25·1	17·6	7·5	21·2	+ 0·7	2·7	16·4	+ 1·2	74	+ 2	18·5	12·5	0·0	...	5·1	6·2
7	1012·6	— 1·3	25·6	19·4	6·2	21·7	+ 1·2	3·3	15·9	+ 0·7	70	— 2	17·9	16·2	0·0	...	5·2	6·5
8	1013·9	0·0	23·9	18·7	5·2	20·7	+ 0·1	3·8	14·0	— 1·2	65	— 7	15·8	15·1	0·0	...	7·0	2·8
9	1016·1	+ 2·2	23·5	18·1	5·4	20·3	— 0·3	4·2	12·8	— 2·4	62	— 10	14·7	15·0	0·0	...	7·5	3·7
10	1016·6	+ 2·8	23·8	17·9	5·9	20·4	— 0·2	4·3	12·7	— 2·6	62	— 10	14·6	14·0	0·0	...	7·2	5·6
11	1014·3	+ 0·5	24·8	16·0	8·8	20·2	— 0·5	3·3	14·3	— 1·0	69	— 3	16·2	10·8	0·0	...	6·0	5·1
12	1011·7	— 2·1	25·0	15·2	9·8	19·8	— 0·9	2·4	15·5	+ 0·2	76	+ 4	17·4	9·8	4·4	40	4·9	5·2
13	1010·9	— 2·8	25·5	14·1	11·4	19·8	— 0·9	2·3	15·7	+ 0·4	77	+ 5	17·7	10·3	0·0	...	4·5	5·1
14	1013·0	— 0·7	24·1	16·4	7·7	20·0	— 0·8	3·1	14·5	— 0·8	71	— 1	16·4	12·2	0·0	...	4·2	5·6
15	1013·5	— 0·2	24·1	13·1	11·0	18·6	— 2·3	3·3	12·6	— 2·8	68	— 4	14·5	8·4	0·0	...	6·0	3·4
16	1013·2	— 0·4	24·5	12·1	12·4	18·5	— 2·4	3·3	12·5	— 2·9	68	— 4	14·4	7·2	0·0	...	5·5	3·4
17	1014·8	+ 1·2	23·2	16·0	7·2	19·6	— 1·3	3·9	12·6	— 2·8	64	— 8	14·5	10·4	0·0	...	6·0	4·8
18	1015·3	+ 1·8	22·9	17·1	5·8	18·9	— 2·0	3·6	12·4	— 3·0	66	— 6	14·3	13·8	0·0	...	5·5	7·5
19	1015·1	+ 1·6	22·9	17·7	5·2	19·5	— 1·5	3·5	13·2	— 2·3	67	— 4	15·0	14·0	0·0	...	5·9	8·2
20	1014·9	+ 1·4	23·2	16·7	6·5	19·6	— 1·4	3·6	13·2	— 2·3	66	— 5	15·0	13·2	0·5	5	7·0	8·2
21	1015·1	+ 1·7	23·4	16·2	7·2	19·6	— 1·5	3·5	13·3	— 2·2	67	— 4	15·1	12·2	0·7	10	5·0	7·2
22	1016·2	+ 2·8	24·2	16·9	7·3	20·0	— 1·1	3·4	13·9	— 1·6	67	— 4	15·7	14·7	0·0	...	4·2	7·5
23	1015·0	+ 1·7	24·1	16·5	7·6	19·9	— 1·3	3·0	14·5	— 1·1	71	0	16·4	11·8	1·6	15	5·6	6·9
24	1014·1	+ 0·8	24·9	16·6	8·3	20·8	— 0·4	3·2	15·1	— 0·5	70	— 1	17·0	12·7	0·1	5	5·6	5·7
25	1014·5	+ 1·3	25·1	18·2	6·9	20·7	— 0·5	3·0	15·4	— 0·2	71	0	17·3	14·9	0·0	...	5·8	5·7
26	1013·5	+ 0·3	25·2	16·7	8·5	20·3	— 1·0	3·4	14·2	— 1·5	68	— 3	16·1	11·0	0·4	10	6·4	4·8
27	1011·6	— 1·5	25·5	15·2	10·3	20·3	— 1·0	3·1	14·8	— 0·9	71	0	16·7	10·8	0·0	...	6·7	5·8
28	1011·4	— 1·7	26·0	15·9	10·1	21·2	— 0·2	3·4	15·2	— 0·5	69	— 2	17·1	10·4	0·0	...	6·0	6·0
29	1011·5	— 1·5	26·9	14·1	12·8	20·3	— 1·1	3·3	14·4	— 1·4	69	— 2	16·3	9·7	0·0	...	7·5	3·7
30	1011·3	— 1·6	24·4	16·0	8·4	20·0	— 1·4	4·5	11·9	— 3·9	60	— 11	13·8	11·7	0·0	...	8·0	4·2
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1013·4	— 0·2	24·4	16·5	7·9	20·2	— 0·7	3·2	14·5	— 0·9	69·9	— 1·8	16·4	12·5	Sum 27·2	Sum 205	5·8	5·5
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 1924.

Pressure during the month of September was very variable. Two well-defined anticyclonic systems appear to have passed the meridian of Mauritius one from the 7th to 12th and the other from the 16th to the 26th. Low temperatures, low humidities and high wind velocities, as usual, accompanied these high pressure systems at Mauritius. Anticyclonic indications were weak in the previous month. In spite of the anticyclonic areas Pressure was below normal on 16 days and —0·2 mbs. below in the mean.

Temperature was below normal on every day except seven (from the 1st to the 4th and from the 6th to the 8th); it was 0.7C below in the mean.

Relative Humidity was below on 10 days, and 1.2% below in the mean.

Wind Velocity was again slightly below normal and more Southerly than usual in the mean.

At the Observatory Rainfall was 18% below normal and duration 76% below normal.

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

Northern Districts	River System 1,	43 % below
Eastern Districts	,, ,, 2, 3, 4,	26 % ,,
South-Eastern Districts	,, ,, 5 & 6	25 % ,,
Western Districts	River System 11	31% below
	,, ,, 12	45% ,,
	,, ,, 13	No record

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of SEPTEMBER 1924.

Month and Day 1924.	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	7·9	68	+ 0·1	+ 2·8	92	2·8	2·9	− 1·0	25·1	24·0	22·4	21·8	...	22·1	22·3	o. : c :
2	10·4	89	− 0·2	+ 3·5	87	3·5	3·5	− 0·4	25·1	23·9	22·5	22·3	...	22·3	22·5	o c. f. .
3	8·8	75	+ 0·4	+ 4·1	96	4·1	4·1	+ 0·2	24·8	23·9	22·6	22·4	...	22·4	22·6	o.g. r. : c.q . : f. .
4	10·1	86	− 0·1	+ 3·0	88	3·0	3·1	− 0·8	24·9	23·9	22·7	22·3	...	22·3	22·5	f : c. f. .
5	7·1	61	− 1·2	+ 1·4	49	1·8	2·1	− 1·8	24·9	23·9	22·8	22·4	...	22·3	22·3	f. : c f. : f. .
6	8·4	71	− 1·4	+ 2·6	62	2·9	3·1	− 0·7	24·9	23·8	22·8	22·2	...	22·3	22·5	f. : c f. c. .
7	7·5	64	− 1·8	+ 3·0	59	3·5	3·5	− 0·3	24·8	23·9	22·8	22·2	...	22·9	23·1	o : f. : c. f. c .
8	10·8	92	− 3·7	+ 4·0	47	5·4	5·5	+ 1·7	24·8	23·9	22·9	22·7	...	22·7	22·6	f . .
9	10·8	92	− 2·9	+ 5·6	63	6·3	6·4	+ 2·6	24·9	23·9	22·9	22·5	...	22·3	22·1	f. q. .
10	10·0	85	− 1·0	+ 4·9	78	5·0	5·1	+ 1·3	24·9	23·7	22·9	22·4	...	22·0	21·7	c. f. : f. .
11	8·3	70	+ 0·2	+ 2·7	94	2·7	2·9	− 0·9	24·9	23·7	22·9	22·2	...	22·1	22·1	c. f. : f. .
12	6·7	56	− 0·1	+ 1·0	84	1·0	1·7	− 2·1	24·8	23·7	22·9	22·3	...	22·1	21·9	f. : c. p. : f
13	7·8	66	− 1·4	+ 0·1	4	1·4	2·5	− 1·3	24·9	23·7	22·9	22·3	...	22·1	22·0	f. : o. .
14	5·8	49	− 1·9	+ 1·6	40	2·5	2·6	− 1·2	24·9	23·7	22·9	22·5	...	22·3	22·3	o. : f. : c. f. : f. .
15	10·3	87	− 1·7	+ 2·1	51	2·7	2·7	− 1·1	24·9	23·7	22·9	22·3	...	22·0	21·7	f. : c. g : f . .
16	10·1	85	− 1·9	+ 2·1	48	3·0	2·9	− 0·9	24·9	23·7	22·9	22·1	...	21·7	21·3	f. .
17	7·5	62	− 2·9	+ 3·4	49	4·5	4·5	+ 0·7	24·8	23·8	22·8	22·1	...	21·7	21·3	f. c. f. f. .
18	4·3	36	− 2·2	+ 4·1	62	4·6	4·7	+ 0·9	24·9	23·7	22·7	21·8	...	21·4	21·0	.
19	4·3	36	− 2·3	+ 3·9	59	4·5	4·6	+ 0·8	24·8	23·8	22·7	21·7	...	21·2	21·1	o. : f .
20	5·8	48	− 2·4	+ 4·7	63	5·3	5·3	+ 1·5	24·8	23·8	22·6	21·5	...	21·3	21·1	o. g. d. .
21	5·8	48	− 1·4	+ 4·4	72	4·6	4·7	+ 0·9	24·8	23·8	22·6	21·5	...	21·3	21·0	c. d. q: f. .
22	5·5	45	− 1·2	+ 3·9	73	4·1	4·2	+ 0·4	24·8	23·7	22·6	21·5	...	21·2	21·0	o.g. : c. : f .
23	6·5	54	− 1·4	+ 2·8	63	3·1	3·1	− 0·7	24·8	23·4	22·5	21·7	...	21·6	21·6	c. p. : c. f. : c. .
24	7·1	59	− 1·4	+ 2·8	63	3·1	3·2	− 0·5	24·8	23·7	22·5	22·0	...	21·9	21·9	c. : f. .
25	7·5	62	− 1·5	+ 3·5	67	3·8	3·9	+ 0·2	24·8	23·7	22·6	22·1	...	22·2	22·2	c. : c. f. .
26	9·4	78	− 0·7	+ 2·8	76	2·9	3·0	− 0·7	24·8	23·7	22·6	22·3	...	22·3	22·3	f. : c. . f. .
27	8·3	68	− 0·2	+ 2·5	85	2·5	2·7	− 1·0	24·7	23·8	22·7	22·5	...	21·1	22·5	c. : f. .
28	5·5	45	− 0·3	+ 1·8	80	1·8	2·4	− 1·3	24·8	23·7	22·8	22·9	...	22·8	22·6	c. f. .
29	9·0	74	− 1·6	+ 0·5	17	1·7	3·1	− 0·6	24·8	23·8	23·0	23·1	...	22·9	22·6	f. : o. .
30	10·1	83	− 3·7	+ 2·6	35	4·5	4·6	+ 0·9	24·8	23·7	23·1	23·3	...	23·4	23·4	c. f. : f. .
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	7·91	66·5	−1·40	+2·94	64·5	3·26	3·62	− 0·17	24·85	23·77	22·75	22·23	...	22·07	22·04	...
Average	8·08	67·7	−1·04	+3·07	71·3	3·25	3·79	...	24·57	23·79	...	...	...	22·72	22·93	...
Column	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

MEANS AND EXTREMES OF CERTAIN METEOROLOGICAL ELEMENTS DURING THE MONTH OF SEPTEMBER 1924.

Element	Highest			Date	Lowest		Date
Atmospheric Pressure	1017·8 mbs	often		on 9th, 10th and 22nd	1009·2 mbs	at 15ᵃ	on 29th
Temperature of the Air	26·9C	at	14.45	on 29th	12·1C	at 4·30	on 16th
Daily range of temperature of the Air...	12·8C		...	on 29th	5·2C	...	on 3rd & 8th & 19th
Temperature of the Dew Point	19·0C	at	3ʰ	on 3rd	9·5C	at 0ʰ	on 18th
Daily range of temperature of the Dew Point	6·1C		...	on 21st	1·8C	...	on 2nd
Relative humidity...	97·7%	at	2ʰ	on 27th	42·1%	at 13ʰ	on 30th
Wind Velocity	10·2 m.p.s.	at	13ʰ	on 9th	0·6 m.p.s.	0ʰ & 18ʰ	on 12th & 7ʰ on 16th
Rainfall	19·0 m.m.	ending	8ᵃ	on 3rd	..	...	...
Temperature of the soil at 3 ins. ...	25·1C	at	18ʰ	on 30th	19·7C	at 9ʰ	on 16th
,, ,, at 6 ins. ...	24·2C	at	18ʰ	on 30th	20·8C	at 9ʰ	on 22nd
Duration of sunshine...	10·8 hrs.		...	on 9th	4·3 hrs.	...	on 18th & 19th
Amount of Evaporation in 24 hours	8·0 mm.		...	on 30th	4·2 m.m.	...	on 14th & 22nd
Vapour Tension	21·7 mbs	at	3ʰ	on 3rd	11·8 mbs	at 0ʰ	on 18th
Minimum on Grass	...		...	...	7·2C	...	on 16th

Number of Days Overcast, 7, Clear 2, of Rain 8, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 22·17C, Average 22·91C, Mean Night Temperature of Air 18·20C, Average 18·63C.

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

† Thermometer broken.

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

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

SEPTEMBER 1924.

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	0118	0125	0131	0139	0126	0120	0127	0137	0155	0176	0166	0134	0115	0126	0145	0139	Midnight
1h	0114	0122	0130	0134	0123	0114	0126	0133	0153	0173	0159	0129	0111	0125	0143	0135	1h
2	0111	0114	0127	0130	0117	0111	0124	0130	0151	0170	0155	0126	0107	0123	0141	0131	2
3	0106	0112	0124	0126	0115	0109	0122	0127	0147	0168	0152	0121	0105	0119	0138	0129	3
4	0104	0108	0123	0127	0111	0110	0119	0127	0146	0167	0147	0117	0103	0117	0137	0127	4
5	0104	0107	0126	0128	0109	0112	0122	0129	0149	0169	0146	0117	0104	0122	0138	0127	5
6	0108	0109	0132	0132	0115	0115	0125	0134	0153	0172	0150	0119	0108	0124	0141	0128	6
7	0113	0116	0135	0136	0120	0119	0128	0140	0162	0177	0155	0123	0112	0128	0145	0132	7
8	0117	0119	0136	0138	0123	0124	0133	0145	0165	0177	0157	0128	0116	0135	0146	0136	8
9	0120	0123	0138	0141	0124	0125	0135	0150	0171	0178	0160	0130	0121	0141	0147	0137	9
10	0118	0123	0138	0137	0123	0124	0134	0152	0172	0176	0158	0129	0118	0144	0150	0140	10
11	0113	0118	0136	0135	0120	0120	0129	0147	0170	0172	0152	0123	0116	0141	0146	0138	11
Noon	0109	0111	0132	0128	0115	0115	0124	0140	0162	0165	0144	0115	0109	0133	0139	0128	Noon
13h	0104	0105	0127	0119	0107	0107	0121	0134	0157	0156	0137	0107	0104	0129	0127	0121	13h
14	0100	0104	0124	0114	0101	0102	0112	0130	0152	0151	0129	0105	0097	0123	0119	0117	14
15	0098	0105	0124	0112	0097	0097	0109	0127	0147	0147	0124	0101	0095	0119	0114	0112	15
16	0098	0106	0126	0110	0096	0101	0110	0127	0150	0146	0121	0098	0096	0119	0114	0114	16
17	0102	0111	0127	0113	0098	0100	0116	0128	0152	0147	0123	0100	0094	0122	0115	0119	17
18	0107	0115	0129	0116	0102	0111	0122	0135	0159	0152	0124	0104	0103	0126	0118	0128	18
19	0110	0123	0133	0120	0110	0118	0128	0143	0168	0162	0132	0110	0108	0130	0126	0136	19
20	0118	0128	0138	0127	0117	0125	0135	0147	0175	0168	0136	0116	0112	0136	0132	0143	20
21	0124	0132	0142	0128	0121	0128	0140	0158	0178	0171	0139	0120	0120	0144	0138	0148	21
22	0126	0132	0143	0132	0123	0129	0142	0159	0178	0170	0140	0120	0124	0145	0141	0149	22
23	0127	0132	0141	0130	0122	0129	0139	0159	0177	0169	0138	0118	0124	0146	0141	0147	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	Hour \ Day
Midnight	0146	0163	0157	0156	0159	0166	0169	0147	0147	0148	0129	0124	0124	0119	...	1014·1	Midnight
1h	0143	0157	0155	0154	0157	0166	0158	0144	0144	0147	0128	0118	0120	0114	...	1013·8	1h
2	0139	0153	0154	0154	0153	0165	0156	0142	0142	0144	0123	0115	0117	0111	...	1013·5	2
3	0136	0149	0150	0148	0148	0167	0156	0137	0137	0139	0117	0110	0113	0108	...	1013·1	3
4	0137	0148	0146	0147	0146	0166	0156	0137	0136	0138	0116	0109	0114	0107	...	1013·0	4
5	0138	0148	0148	0147	0147	0166	0155	0139	0139	0141	0120	0113	0116	0109	...	1013·1	5
6	0141	0153	0151	0148	0153	0171	0159	0143	0146	0141	0122	0118	0119	0113	...	1013·5	6
7	0146	0156	0155	0153	0155	0174	0166	0147	0152	0148	0124	0121	0125	0118	...	1013·9	7
8	0152	0164	0160	0157	0164	0178	0168	0154	0156	0153	0127	0126	0129	0125	...	1014·4	8
9	0155	0167	0161	0157	0163	0176	0169	0154	0157	0153	0127	0127	0130	0123	...	1014·5	9
10	0157	0164	0162	0155	0161	0173	0166	0151	0159	0151	0126	0127	0127	0119	...	1014·4	10
11	0154	0160	0155	0150	0153	0165	0157	0142	0154	0145	0120	0120	0121	0115	...	1014·0	11
Noon	0147	0153	0150	0142	0145	0154	0148	0136	0147	0135	0112	0113	0112	0107	...	1013·2	Noon
13h	0144	0147	0142	0136	0138	0148	0140	0132	0138	0127	0104	0105	0107	0100	...	1012·6	13h
14	0139	0144	0138	0133	0132	0142	0134	0124	0135	0116	0098	0097	0097	0096	...	1012·0	14
15	0139	0144	0135	0129	0131	0140	0132	0124	0130	0113	0095	0095	0092	0094	...	1011·7	15
16	0139	0144	0134	0135	0132	0141	0131	0124	0131	0110	0095	0094	0093	0097	...	1011·8	16
17	0143	0145	0137	0138	0136	0145	0133	0129	0137	0112	0097	0098	0098	0103	...	1012·1	17
18	0149	0146	0145	0145	0143	0152	0136	0133	0140	0120	0102	0103	0105	0110	...	1012·6	18
19	0153	0148	0148	0152	0151	0155	0139	0138	0143	0127	0109	0112	0112	0114	..	1013·2	19
20	0159	0155	0155	0157	0156	0163	0146	0148	0150	0131	0117	0118	0124	0121	.	1013·8	20
21	0162	0160	0160	0161	0164	0169	0148	0151	0156	0136	0125	0125	0127	0126	...	1014·3	21
22	0163	0159	0159	0159	0166	0170	0148	0154	0156	0133	0127	0125	0125	0125	...	1014·4	22
23	0164	0159	0158	0158	0166	0169	0147	0153	0154	0133	0126	0125	0124	0125	...	1014·3	23

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

Hour. \ Day.	SEPTEMBER 1924.																															
	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	6	3	1	5	9	8	2	8	6	3	0	8	3	2	1	6	5	6	5	9	9	8	8	2	4	5	0	6	...	5·0
1h	8	4	7	2	0	5	9	8	2	8	8	3	0	9	4	1	1	7	7	7	6	9	9	6	7	3	4	7	0	6	...	5·2
2	8	4	9	2	0	4	9	7	1	7	8	3	0	9	4	1	2	8	9	9	7	9	7	6	6	4	5	8	0	4	...	5·3
3	10	4	10	2	0	3	10	4	1	7	8	3	1	10	4	0	4	9	9	10	8	10	4	4	5	2	7	9	1	4	...	5·4
4	10	4	10	3	1	2	9	4	3	6	6	3	0	7	5	2	4	9	9	9	9	10	7	2	8	4	7	9	1	8		5·7
5	10	4	10	4	2	3	9	4	4	5	5	4	0	5	6	3	3	8	9	9	9	9	8	3	9	9	7	9	1	8	...	6·0
6	10	4	10	3	2	4	9	2	4	4	5	2	1	1	8	4	3	7	10	9	10	9	8	8	8	9	7	8	1	8	..	5·9
7	9	3	10	4	3	4	8	2	4	8	5	2	1	1	8	3	4	9	9	9	7	8	10	8	8	9	7	8	2	6	...	6·0
8	8	5	10	5	3	6	5	2	4	5	5	4	3	6	2	3	4	8	9	9	7	9	8	6	8	9	7	7	0	5	...	5·7
9	7	4	10	6	3	8	1	2	4	6	7	5	3	6	2	3	4	9	9	9	8	8	7	5	6	9	8	6	1	5	...	5·7
10	7	5	9	6	3	7	1	2	4	5	5	5	5	7	3	4	5	9	9	9	8	8	8	7	7	8	8	6	1	4	...	5·8
11	7	5	10	8	5	6	5	3	5	5	5	6	4	7	4	5	6	9	9	9	9	6	7	7	6	8	8	5	0	3	...	6·1
Noon	7	3	8	7	6	5	7	2	3	5	5	7	7	7	4	5	6	9	9	9	9	7	5	8	4	7	7	5	1	1	...	5·8
13h	7	3	9	7	5	6	7	2	3	6	6	8	7	8	4	6	6	9	8	8	9	7	4	8	5	6	7	6	3	0	...	6·0
14	7	5	8	7	6	5	8	2	5	6	6	8	7	9	4	6	7	9	8	10	9	7	5	7	5	5	6	6	3	2	...	6·3
15	7	5	8	7	7	6	8	2	5	6	7	9	10	9	4	7	7	9	7	9	7	7	6	7	6	4	5	7	4	3	...	6·5
16	8	6	7	7	5	7	5	2	4	6	6	6	9	8	3	6	6	9	8	10	6	8	5	8	7	3	4	6	6	3	...	6·1
17	8	7	5	7	4	8	4	2	3	8	8	8	9	7	2	6	5	9	9	9	5	7	6	8	8	2	3	6	8	2	...	5·1
18	8	6	4	8	2	9	2	3	3	7	2	9	9	4	2	5	5	9	9	9	4	6	4	7	9	1	3	7	9	2	...	5·6
19	6	6	6	5	2	9	4	2	5	4	2	9	8	2	2	3	5	7	8	8	3	5	7	5	4	1	3	6	9	2	...	4·9
20	7	4	9	2	1	9	5	1	6	3	2	8	9	1	1	2	6	2	7	6	3	5	8	2	2	2	5	5	9	3	...	4·5
21	7	5	5	9	1	9	7	1	2	2	2	6	10	1	1	2	7	2	6	5	6	4	8	1	1	2	7	4	9	4	...	4·5
22	7	4	4	5	2	8	7	1	3	3	2	4	9	2	1	2	6	3	7	5	8	5	8	2	1	2	4	1	9	5	...	4·3
23	6	5	3	2	4	8	8	2	5	5	3	2	7	3	1	1	5	5	8	5	9	7	8	1	2	2	5	0	7	6	...	4·6

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

Hour* Ending \ Day.	SEPTEMBER 1924.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total.
	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.		hrs.
6h																																
7	3	28	0	5	20	22	30	30	25	0	24	31	40	31	0	30	35	0	0	0	15	0	7	1	0	0	0	0	40	26	...	7·4
8	25	60	20	60	60	35	60	45	60	52	56	60	60	60	45	60	60	0	10	0	6	30	23	30	35	3	0	1	60	36	...	18·5
9	50	60	42	60	60	16	60	60	60	60	35	60	60	60	60	60	60	40	6	15	46	7	45	59	55	45	33	25	60	50	...	23·5
10	60	60	42	60	60	56	60	60	60	59	59	60	45	50	60	60	44	45	5	45	18	36	51	60	55	56	54	59	60	55	...	25·9
11	60	60	50	60	55	48	60	60	60	60	60	60	55	33	60	55	47	21	7	51	37	23	24	59	55	60	59	58	60	60	...	25·3
Noon	60	60	45	60	60	60	60	60	60	60	60	50	55	49	59	52	45	33	41	44	20	41	60	46	60	60	60	59	60	60	...	26·6
13h	60	60	60	60	47	60	2	60	60	60	50	7	52	7	52	59	52	25	48	56	16	55	60	7	60	60	58	58	60	60	...	23·9
14	60	60	60	60	30	60	8	60	60	60	47	0	46	0	60	49	38	43	18	59	25	42	59	8	60	60	60	59	60	60	...	22·8
15	35	60	60	60	0	60	18	60	60	60	38	0	38	15	60	59	39	12	37	12	48	27	15	45	60	60	60	5	57	53	...	20·2
16	50	60	60	60	15	50	45	60	60	60	16	34	0	28	60	48	15	15	44	20	59	44	27	55	10	60	30	0	20	48	...	19·2
17	12	40	60	45	15	40	44	60	60	50	54	43	17	13	60	53	18	19	40	45	51	16	15	46	0	60	58	5	0	59	...	18·3
18	0	15	30	17	12	0	2	30	25	22	0	0	0	1	40	22	0	5	0	1	8	10	2	7	0	43	28	0	0	36	...	5·8
19																																

The total amount of registered sunshine was 237·4 hours and the total possible sunshine 358·2 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

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	19·1	1·1	18·3	1·0	20·1	1·0	18·6	1·0	17·7	0·9	18.7	1·4	20·1	2·0	20·0	2·3	Midnight
1h	19·2	1·1	18·2	0·8	20·5	1·2	18·3	0·9	17·0	0·9	18·8	1·4	20·1	2·0	20·1	2·3	1
2	19·1	0·9	19·1	1·2	20 4	0·8	18·3	1·0	16·4	0·7	18·9	1·5	20·1	2·0	19·7	2·2	2
3	19·2	1·1	18·3	0·9	20·3	0·7	18·2	0·9	16·0	0·7	18·9	1·7	20·2	2·1	19·4	2·4	3
4	19·4	1·0	18·2	0·7	20·6	1·0	18·1	1·1	15·9	0·8	18·1	1·3	20·2	2·2	19·2	2·6	4
5	19·1	0·9	18·0	0·8	19·3	0·3	17·9	1·0	15·3	0·6	17·7	1·2	20·1	2·1	19·0	2·8	5
6	19·1	1·0	18·7	0·9	19·2	0·6	17·8	0·9	15·1	0·8	17·7	1·0	20·1	2·1	18·9	2·7	6
7	20·3	1·3	19·8	1·2	19·5	0·5	18·5	0·9	16·6	1·0	18·7	1·2	20·7	2·0	19·6	2·7	7
8	21·2	1·6	22·1	2·8	21·4	0·9	21·7	2·2	20·6	1·9	21·6	2·8	22·4	3·2	20·7	4·2	8
9	22·9	2·7	22·7	3·6	22·5	2·3	23·1	3·6	22·3	3·3	21·2	2·0	23·6	4·5	21·7	4·7	9
10	23·8	3·6	23·3	4·3	23·3	2·7	23·4	3·7	23·4	4·2	23·1	3·5	24·1	4·6	22·3	5·0	10
11	23·2	2·9	23·6	4·0	23·6	3·3	23·6	4·3	23·5	4·4	23·9	4·2	24·4	4·7	23·1	6·0	11
Noon	24·4	3·9	24·1	4·4	23·9	4·0	23·8	3·8	24·1	5·1	24·5	5·4	25·6	6·2	23·2	6·9	Noon
13h	23·8	3·6	23·8	4·3	23·8	4·0	24·1	4·5	24·1	5·1	24·7	5·7	23·9	4·5	23·5	6·1	13h
14	24·1	4·1	23·7	3·9	23·7	4·0	24·0	5·0	23·7	3·8	24·5	5·2	23·9	5·0	23·6	5·8	14
15	23·5	4·0	24·1	4·1	23·5	3·9	23·6	4·3	22·9	4·2	24·6	4·9	24·2	5·2	22·9	5·9	15
16	23·3	4·0	23·2	3·6	23·3	3·8	23·3	3·8	22·6	3·5	23·9	4·5	23·6	4·8	22·2	5·3	16
17	22·1	3·4	22·3	2·8	22·8	3·7	22·3	4·4	22·1	3·1	22·8	3·8	22·9	4·6	21·2	4·7	17
18	21·2	2·8	21·7	1·9	21·3	2·6	21·7	2·9	20·4	2·8	21·9	3·1	21·1	3·1	20·3	3·8	18
19	19·7	1·7	20·3	1·4	20·5	2·5	20·2	1·9	19·3	2·1	20·7	1·8	20·3	2·6	20·0	3·6	19
20	19·0	1·2	20·2	1·1	20·1	2·1	19·0	1·5	18·7	1·7	20·5	1·5	19·9	2·6	19·7	3·4	20
21	19·2	1·4	19·6	0·9	20·5	2·3	19·1	1·5	18·1	1·4	20·9	1·9	19·9	2·4	19·6	3·0	21
22	19·3	1·4	20·1	1·1	19·8	1·7	19·2	1·3	17·2	1·2	20·7	2·2	19·6	2·2	19·3	2·7	22
23	19·1	1·5	20·0	0·8	18·9	1·2	18·7	1·0	17·7	1·1	20·6	2·1	19·8	2·2	19·0	2·5	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	19·0	2·1	19·1	4·6	19·3	3·3	16·6	1·5	15·9	1·0	19·1	1·7	17·2	1·7	14·3	1·5	Midnight
1h	18·9	2·5	18·0	3·5	19·0	2·2	17·0	1·4	16·2	1·0	19·1	2·1	16·9	1·8	14·5	1·5	1h
2	18·7	2·5	18·4	3·6	18·6	2·2	17·6	1·5	15·7	0·9	19·6	2·7	16·6	1·8	13·2	1·2	2
3	18 6	2·6	18·9	4·2	18·0	1·7	17·2	1·2	14·9	0·9	19·0	2·0	15·3	1·4	13·1	1·1	3
4	18·7	2·6	18·3	3·2	18·1	1·3	16·1	1·1	14·6	0·9	18·9	2·0	13·9	0·9	12·2	0·7	4
5	18·6	2·6	18·0	2·5	17·0	1·5	15·5	1·1	14·4	0·6	18·1	1·8	13·1	1·1	12·7	0·6	5
6	18·8	2·8	17·9	3·0	17·1	2·2	16·1	1·1	14·3	0·8	16·5	1·2	14·3	1·1	13·0	1·0	6
7	19·5	3·3	19·1	3·5	18·4	1·7	18·6	1·0	16·1	0·6	17·9	1·5	16·0	0·7	14·2	0·7	7
8	21·3	4·3	21·6	5·6	21·6	4·2	21·9	3·4	20·6	1·8	21·3	3·3	21·0	5·1	20·4	3·4	8
9	21·9	5·0	22·3	5·0	21·9	4·4	23·0	4·2	22·9	2·9	22·9	4·6	21·9	5·6	22·3	5·1	9
10	22·3	5·6	22·8	6·0	23·4	4·5	23·7	5·3	22·3	2·6	23·2	4·5	23·1	6·1	23·1	5·7	10
11	22·4	5·8	23·2	6·8	23·6	6·0	24·9	6·3	24·7	4·4	23·3	4·9	23·3	6·3	23·6	5·9	11
Noon	22·7	6·2	23·3	6·3	24·1	6·4	24·5	5·8	24·4	3·9	23·8	4·7	23·5	6·5	23·3	6·0	Noon
13h	23·3	6·3	23·3	5·8	23·8	6·0	22·4	3·7	24·5	4·1	23·0	4·5	23·9	6·6	24·1	6·5	13h
14	22·9	5·5	23·1	5·4	24·2	6·4	21·5	2·0	23·7	3·9	22·6	4·3	23·9	6·4	23·5	6·3	14
15	22·4	5·4	22·5	5·0	22·9	5·3	21·4	1·8	23·1	3·4	21·6	4·0	22·9	5·4	23·2	5·9	15
16	21·3	4·0	22·0	4·7	22·3	4·3	22·1	2·6	22·3	2·8	22·2	4·4	22·1	5·5	22·1	5·3	16
17	21·0	4·2	21·3	4·4	21·8	4·7	22·2	2·8	22·0	3·0	21·2	4·3	21·2	4·8	21·4	4·9	17
18	20·1	4·2	20·8	4·3	20·3	3·3	21·2	2·2	20·6	3·1	19·8	3·5	19·5	3·7	20·1	4·2	18
19	19·3	4·1	19·9	3·6	18·6	2·1	19·7	1·8	20·2	3·0	18·6	3·1	17·6	2·3	18·9	3·2	19
20	18·9	4·4	19·3	3·4	18·1	1·8	19·1	1·3	20·0	2·7	18·2	3·2	16·4	1·7	19·0	2·8	20
21	18·7	4·1	18·7	3·1	18·0	1·7	18·7	1·4	20·1	2·9	17·2	2·2	15·3	1·3	18·1	2·4	21
22	18·1	3·8	18·7	2·9	17·3	1·3	17·3	1·1	20·1	2·1	17·0	2·2	14·9	1·4	16·2	1·3	22
23	18·6	4·2	18·6	2·5	17·9	1·6	16·5	1·1	19·9	2·4	17·3	2·4	15·0	1·4	16·3	1·7	23

TABLE X. (*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 1924

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

Figures in italics are eye observations.

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

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

SEPTEMBER 1924.

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	920	900	921	894	929	900	913	890	923	883	917	885	924	882	927	Midnight
1h	897	908	900	927	900	930	900	922	887	919	889	911	886	922	881	928	1h
2	896	910	900	935	900	918	900	934	888	912	890	910	888	918	870	930	2
3	894	915	900	922	900	919	900	928	887	913	886	910	884	924	874	917	3
4	894	913	896	921	907	932	900	916	886	914	886	910	890	925	867	922	4
5	890	914	896	918	900	942	897	916	889	911	892	906	885	924	868	948	5
6	893	910	894	929	889	928	892	918	892	908	886	910	887	920	864	936	6
7	893	915	895	923	900	913	890	925	893	907	890	907	886	934	865	935	7
8	894	928	900	934	900	934	900	929	887	913	882	927	884	939	871	929	8
9	900	935	900	949	912	961	910	949	885	937	891	943	881	947	857	943	9
10	900	943	900	955	912	960	910	949	900	939	890	947	880	948	866	952	10
11	916	939	900	952	913	965	909	943	893	932	888	930	883	941	843	957	11
Noon	922	933	900	959	913	966	910	950	893	933	900	944	883	941	837	942	Noon
13h	918	945	900	958	914	969	909	943	889	928	900	948	882	918	835	965	13h
14	916	940	910	948	911	955	909	943	894	886	891	942	881	928	847	935	14
15	909	943	900	955	910	949	900	938	890	915	879	932	885	924	858	962	15
16	900	959	900	937	912	958	900	940	884	907	891	944	880	949	839	961	16
17	900	939	900	938	900	957	895	925	878	905	865	935	869	931	860	940	17
18	900	932	892	937	900	943	892	920	879	909	884	939	872	928	878	922	18
19	900	930	896	921	900	930	892	911	888	905	878	933	875	925	866	934	19
20	900	922	895	922	900	932	888	919	885	906	883	917	888	931	866	934	20
21	900	929	896	921	900	931	889	929	886	906	884	924	880	920	883	941	21
22	900	928	894	931	900	926	894	928	889	908	878	922	882	927	883	941	22
23	900	926	895	924	900	933	896	921	889	911	880	920	873	927	869	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	866	934	900	953	900	937	897	905	895	926	887	913	873	918	888	918	Midnight
1h	871	944	894	931	900	939	892	910	891	912	887	913	877	915	881	919	1h
2	870	946	887	932	900	925	891	913	890	914	880	908	881	913	885	915	2
3	873	941	891	943	897	916	891	913	891	913	882	904	876	910	885	915	3
4	872	942	887	933	890	924	889	911	889	917	883	903	884	907	890	910	4
5	871	944	889	916	893	916	889	911	891	913	876	905	887	906	890	910	5
6	866	934	885	937	895	912	885	915	887	920	885	910	890	904	896	907	6
7	865	953	892	937	891	922	892	911	891	913	891	907	890	907	896	904	7
8	859	961	900	949	912	931	892	911	896	906	881	912	883	926	885	915	8
9	858	962	885	974	909	942	900	918	890	915	880	913	877	934	877	935	9
10	850	975	900	977	909	942	904	920	898	890	888	909	881	929	878	932	10
11	858	963	886	967	916	939	905	923	905	877	887	906	883	926	878	932	11
Noon	862	991	887	966	912	930	905	925	900	862	885	910	885	937	877	935	Noon
13h	861	994	886	967	906	930	904	918	892	859	878	922	878	922	877	935	13h
14	868	978	886	973	911	929	900	885	883	859	885	937	872	941	880	930	14
15	874	964	883	983	907	933	925	895	891	857	882	927	883	943	876	936	15
16	871	971	889	955	909	945	914	894	893	909	876	936	883	942	879	931	16
17	871	971	887	964	907	933	910	890	849	900	873	927	876	936	856	944	17
18	875	953	890	950	900	927	906	898	865	914	875	925	885	915	864	924	18
19	879	952	890	949	900	933	900	919	863	915	877	923	890	910	877	915	19
20	886	936	892	940	894	928	899	907	877	910	880	920	889	911	879	914	20
21	884	940	893	936	896	919	897	913	876	905	876	924	889	916	876	915	21
22	886	936	893	934	889	916	897	915	888	902	878	922	884	924	885	910	22
23	883	942	894	928	895	907	896	918	874	917	884	916	896	926	883	911	23

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

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

SEPTEMBER 1924.

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	887	932	874	926	878	932	888	919	900	945	889	927	893	915	Midnight
1h	889	911	871	929	883	925	877	935	885	915	891	942	878	922	891	912	1h
2	875	925	880	920	879	931	875	937	881	919	900	944	883	911	882	918	2
3	870	930	869	931	886	922	887	932	886	914	886	934	890	915	881	913	3
4	877	923	884	940	883	926	880	920	893	910	878	922	900	911	870	920	4
5	873	927	882	927	877	934	883	926	893	909	886	921	894	929	892	906	5
6	879	921	870	930	877	935	873	927	887	933	883	926	889	929	887	919	6
7	865	935	885	937	865	935	877	934	890	923	881	928	889	929	882	927	7
8	861	939	880	948	875	938	879	952	892	918	887	933	889	929	886	936	8
9	857	943	881	946	879	950	877	955	879	950	900	955	889	929	872	942	9
10	859	941	876	958	878	953	869	976	879	951	893	935	889	929	892	940	10
11	866	952	874	964	867	949	873	965	875	961	900	970	885	938	891	943	11
Noon	868	947	869	975	872	967	871	970	871	970	912	961	883	941	893	935	Noon
13h	863	956	875	960	863	957	870	972	870	972	875	960	890	950	891	942	13h
14	868	947	875	960	878	953	870	973	884	979	882	945	881	947	893	936	14
15	862	957	886	972	880	948	871	969	900	972	879	952	884	939	892	940	15
16	860	940	879	952	882	944	871	970	884	979	875	961	884	939	882	944	16
17	870	945	872	941	882	943	878	953	886	973	879	950	877	934	876	936	17
18	878	922	870	930	869	931	883	943	888	959	893	935	888	918	883	926	18
19	867	922	876	936	879	932	878	953	890	948	890	924	889	916	889	928	19
20	875	925	886	922	873	927	887	932	889	955	879	931	887	920	887	920	20
21	877	923	883	925	881	928	883	941	892	940	885	915	887	920	890	925	21
22	880	930	889	927	878	932	868	932	885	937	900	922	876	936	880	920	22
23	871	929	885	924	877	934	869	931	885	938	893	933	882	918	880	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	888	912	879	932	894	908	900	914	892	908	874	911	...	...	888	922	Midnight
1h	890	914	882	918	894	908	900	918	883	917	877	923	...	...	887	921	1h
2	887	913	885	915	893	909	900	937	892	908	867	922	...	...	886	921	2
3	879	921	889	911	889	917	900	933	889	911	873	918	...	...	886	920	3
4	882	918	900	914	888	919	900	922	884	916	871	919	...	...	887	919	4
5	874	911	889	917	882	918	893	916	881	919	860	926	...	...	885	920	5
6	886	914	885	915	882	918	893	917	885	915	868	922	...	...	884	921	6
7	887	933	893	909	888	919	900	917	892	908	863	925	...	...	886	923	7
8	900	921	897	908	886	921	895	922	894	906	864	924	...	...	887	928	8
9	900	959	900	942	893	936	907	932	892	892	858	942	...	...	886	941	9
10	890	951	909	945	907	933	905	922	890	875	827	930	...	..	888	940	10
11	888	957	900	949	900	941	907	934	886	864	851	933	...	...	887	940	11
Noon	880	949	890	947	908	940	909	943	870	854	849	934	...	...	887	942	Noon
13h	889	955	889	955	908	940	908	938	890	852	848	934	...	..	885	942	13h
14	877	955	900	959	910	948	906	928	891	857	864	936	...	...	887	938	14
15	900	956	889	955	909	944	890	948	918	943	853	947	...	...	889	943	15
16	879	950	890	950	900	944	878	878	921	932	853	947	...	...	889	942	16
17	892	940	891	942	907	932	892	890	861	926	853	947	...	...	881	936	17
18	880	948	887	933	906	930	895	889	861	926	857	929	...	...	883	929	18
19	888	931	896	910	900	923	890	908	868	921	873	918	...	...	885	926	19
20	882	927	894	914	900	918	890	907	870	920	880	913	...	...	886	923	20
21	877	935	895	911	900	918	889	908	873	918	878	909	...	...	886	923	21
22	881	929	894	913	900	910	887	913	872	919	878	909	...	...	886	923	22
23	880	920	895	912	900	915	890	910	872	919	878	909	...	...	885	922	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during SEPTEMBER 1924.

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 1924.

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	6	2·2	8	2·1	7	3·0	8	1·3	6	2·5	4	2·4	5	2·8	5	3·3	4	4·8	8	5·3	8	3·7	5	0·6	7	2·7	4	1·8	3	3·3	5	2·1
1h	6	0·9	8	2·7	8	3·0	8	2·2	5	2·3	4	1·5	5	2·6	5	3·4	5	5·3	7	3·2	8	3·9	5	1·3	5	1·5	4	1·9	3	2·7	4	2·7
2	6	1·1	8	3·5	8	1·8	8	3·4	4	1·7	4	1·4	5	2·1	4	4·3	5	5·5	6	3·4	8	2·5	5	1·6	5	1·7	2	2·2	3	2·3	4	2·2
3	6	1·6	8	2·2	8	1·9	8	2·8	4	1·9	3	1·7	5	2·9	3	3·1	5	4·9	7	4·4	7	1·6	5	1·6	5	1·6	1	1·8	2	2·6	4	2·1
4	6	1·4	7	2·2	9	3·3	8	1·6	4	2·0	3	1·7	6	2·7	3	4·0	5	5·1	6	3·5	6	2·6	4	1·6	5	2·0	1	1·7	2	1·8	4	1·4
5	5	1·7	7	1·8	8	4·2	7	1·6	4	1·6	3	1·0	5	2·8	5	5·8	5	5·3	5	1·9	6	1·8	4	1·6	5	1·6	1	2·5	2	1·4	4	1·4
6	5	1·2	7	3·0	6	3·0	6	2·0	4	1·2	3	1·7	5	2·4	4	5·2	4	4·9	6	4·0	6	1·3	4	2·1	5	2·4	3	1·8	2	1·1	5	0·8
7	6	1·7	7	2·4	8	1·3	6	2·7	4	1·0	3	1·2	6	3·7	4	5·0	5	6·4	7	3·8	6	2·4	5	1·4	5	1·6	3	1·1	3	1·2	4	0·6
8	7	2·9	8	3·4	8	3·4	8	2·9	4	1·8	5	3·3	6	4·2	4	4·2	5	7·3	8	4·9	10	3·3	5	1·4	5	0·7	3	2·2	5	3·1	4	2·1
9	8	3·5	8	4·9	9	6·2	9	5·0	6	4·0	7	4·4	6	5·1	4	6·1	5	7·5	7	7·5	9	4·3	8	1·8 r	5	1·8	3	2·4	5	4·1	5	4·2
10	8	4·3	8	5·5	9	6·1	9	5·0	8	3·9	7	4·8	6	5·2	5	6·2	5	9·0	8	7·7	9	4·3	9	2·0	25	1·0	3	1·5	5	3·5	5	3·9
11	10	4·2	8	5·2	9	6·6	9	4·4	7	3·3	6	3·2	6	4·4	4	8·0	5	7·6	7	6·8	10	4·2	9	2·4	23	2·4	2	1·4	5	3·1	5	3·9
Noon	11	4·0	8	5·9	9	6·7	9	5·1	7	3·4	8	4·4	6	4·4	3	7·6	6	9·9	7	6·7	10	3·2	9	2·6	24	3·8	3	1·8	6	4·0	5	4·2
13h	10	4·9	8	5·8	9	7·0	9	4·4 r	6	3·0	8	4·8	4	2·6	4	9·2	6	10·2	7	6·8	9	3·1 r	9	1·8	25	4·2	4	3·1	4	3·1	5	4·2
14	10	4·3	9	4·9	9	5·6	9	4·4	26	1·5	7	4·3	5	3·4	3	6·4	6	8·4	7	7·4	10	3·1	24	1·5	26	4·4	6	4·0	5	5·0	5	3·6
15	9	4·4	8	5·5	9	5·0	8	3·8 d	5	1·8	5	3·8	5	2·8	5	7·5	6	6·9	7	8·5	9	3·4	r17	2·6	25	4·4	5	3·2	6	4·6	5	4·4
16	8	5·9	8	3·7	9	5·9	8	4·0	2	1·8	7	4·5	6	5·3	4	8·7	6	7·7	7	5·6	9	4·6	18	1·5 d	5	§1·1	5	4·3	6	4·5	5	3·7
17	8	3·9	8	3·8	8	5·7	7	2·6	1	2·3	4	5·0	4	4·4	4	5·7	6	7·7	7	6·5	9	3·4	20	1·4 r	0	5·1	4	3·8	5	4·4	4	6·3
18	8	3·2	7	3·8	8	4·3	6	2·2	2	2·3	6	4·2	4	4·0	4	3·2	6	5·8	7	5·1	8	2·7	18	0·6	2	3·8	4	3·5	4	2·2	3	4·3
19	8	3·0	7	2·1	8	3·0	5	1·4	2	1·3	5	4·0	4	3·5	4	4·9	6	5·6	7	5·0	8	3·3 r	8	1·9	2	4·0	4	3·3	4	1·4	3	2·7
20	8	2·2	7	2·3	8	3·2	5	2·2	2	1·6	4	2·4	6	3·3	4	4·8	6	3·9	7	4·1	7	2·9	7	0·7	2	2·5	4	2·9	4	1·6	3	2·5
21	8	2·0	7	2·1	8	3·1	6	3·1	2	1·5	5	2·9	4	2·8	6	4·4	6	4·3	7	3·7	7	1·9	7	1·3	1	2·5	4	3·4	5	1·9	3	2·8
22	8	2·8	7	3·2	8	2·6	7	2·9	3	1·4	4	3·1	5	3·3	6	4·4	6	3·9	7	3·5	5	1·9	7	1·5	1	1·2	4	3·1	5	2·9	3	1·8
23	8	2·6	7	2·5	8	3·3	7	2·1	4	1·6	4	2·9	4	3·8	5	5·6	6	4·5	7	2·9	5	0·9	7	1·8	3	3·1	4	2·3	5	0·7	3	2·0

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	4	1·4	6	3·4	4	3·7	5	3·9	5	2·2	8	4·5	6	2·9	6	1·7	4	1·7	5	3·8	5	1·0	8	1·4	4	1·1	2	2·8	...	...	2·7
1h	4	1·6	4	4·1	5	3·0	5	4·2	4	2·2	7	4·3	4	3·2	5	1·5	5	1·7	4	2·5	5	1·0	8	1·8	4	2·4	4	3·3	...	...	2·6
2	4	3·6	4	2·9	5	3·7	5	4·5	4	2·7	8	4·4	3	2·0	4	2·5	4	1·8	4	2·1	5	1·1	8	3·7	4	1·2	3	4·0	..	...	2·7
3	4	4·3	4	4·4	5	2·6	6	3·4	4	2·0	6	3·7	5	1·8	3	2·3	4	3·0	4	1·5	5	2·0	8	3·3	4	1·5	3	3·2	...	...	2·6
4	4	3·3	6	4·3	5	3·1	4	2·9	5	1·2	4	3·1	8	1·1	3	3·6	4	2·5	8	1·4	5	2·2	8	2·2	4	2·3	3	3·5		...	2·5
5	4	3·9	5	3·2	5	4·1	5	3·1	1	1·1	5	2·5	7	3·0	3	1·0	2	2·8	5	2·0	4	2·5	6	1·8	4	2·7	3	4·8	...	...	2·6
6	4	3·0	4	4·3	5	4·2	4	3·9	6	3·5	5	3·1	6	3·1	5	2·3	4	2·0	4	2·2	4	2·6	6	1·9	4	2·1	3	3·9	..	...	2·7
7	4	5·0	6	4·0	4	5·0	5	4·1	6	2·5	5	3·4	6	3·1	5	3·3	6	3·5	5	1·1	5	2·2	8	1·7	4	1·2	3	4·5	...	...	2·7
8	4	5·5	6	5·2	5	4·6	6	5·6	6	2·0	6	3·5	6	3·1	6	3·9	8	2·1	6	0·9	5	2·5	7	2·3	4	0·8	3	4·4	...	...	3·3
9	4	6·1	6	5·0	6	5·4	6	6·0	6	5·4	8	5·5	6	3·1	5	5·1	8	5·9	8	4·2	7	3·7	9	3·3	r28	1·2	4	6·0	...	...	4·6
10	4	5·9	6	6·3	6	5·8	6	8·2	6	5·5	7	3·6	6	3·1	7	4·1	7	5·2	9	4·6	9	3·4	9	2·3	26	2·7	2	7·9	...	...	4·7
11	5	6·2	6	6·9	5	5·9	6	7·0	6	6·6	8	7·0	6	4·1	7	4·4	7	5·8	8	4·9	8	4·1	9	3·5	26	3·9	3	5·9	...	...	4·9
Noon	5	5·7	6	8·1	6	7·2	6	7·6	6	7·6	9	6·2	6	4·4	7	3·6	6	5·3	7	4·8	9	4·1	9	4·4	27	5·5	3	6·1	...	...	5·3
13h	5	6·7	6	6·5	5	6·8	6	7·8	6	7·8	6	6·5	7	5·1	7	4·3	7	5·6	7	5·6	9	4·1	9	3·9	25	4·9	3	6·2	...	...	5·3
14	5	5·7	6	6·5	6	5·8	6	7·9	7	8·1	6	4·9	6	5·1	7	3·7	6	6·0	8	5·9	9	4·9	9	2·9	25	4·4	4	5·2	...	...	5·0
15	5	6·9	7	7·3	6	5·2	6	7·5	8	7·2	6	5·6	6	4·2	7	4·1	8	5·6	7	5·6	9	4·5	7	4·9	d10	4·7	4	6·7	...	...	5·1
16	4	5·7	6	5·6	6	4·8	6	7·6	7	8·1	6	6·6	6	4·2	6	4·8	6	5·4	7	5·1	8	4·4	r28	3·1	11	3·8	4	6·7	...	...	5·0
17	5	5·4	5	5·0	6	4·7	6	5·8	7	7·4	6	5·4	5	4·1	5	4·4	7	4·1	7	4·3	9	3·3	27	1·3 d	3	4·7	4	6·7	...	...	4·6
18	4	3·2	4	4·3	4	4·4	6	4·6	7	6·0	7	3·6	5	2·1	5	3·1	6	5·2	6	3·5	9	3·1	26	1·2	3	4·7	3	5·2	...	...	3·6
19	3	4·0	5	4·4	5	3·8	6	5·8	7	4·9	6	2·6	5	1·9	6	3·0	6	3·3	6	1·1	8	2·3 d	3	1·3	3	3·8	3	3·3	...	...	3·2
20	4	3·5	5	2·6	4	3·9	6	3·4	7	5·6	5	3·7	5	2·4	5	2·4	5	3·2	6	1·5	8	1·8	3	1·2	3	3·6	3	2·4	...	...	2·8
21	4	3·3	5	3·0	5	3·4	6	4·4	7	4·1	4	2·2	5	2·4	6	2·7	5	4·2	6	1·2	8	1·8	3	1·4	3	3·3	2	2·4	...	...	2·8
22	5	3·6	6	2·9	5	3·9	4	4·5	6	4·0	8	2·2	5	4·3	4	2·9	5	3·5	6	1·4	8	1·0	4	1·8	3	3·4	2	2·4	...	...	2·8
23	4	4·1	5	2·8	5	4·1	4	4·4	6	4·1	7	3·4	4	2·5	4	2·9	4	2·8	6	1·3	8	1·5	4	1·4	3	3·4	2	2·4	...	...	2·8

d = direct. r = retrograde. § N.B. Wind fell nearly calm as it veered from W. by S. to S. E. by E. and increased again as it backed to S. W. by S.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for SEPTEMBER 1924.

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of SEPTEMBER 1924.

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	0·81	20·5	30·2	4
	3	Belmont	50	0·64	16·2	26·4	3
	4	Poudre d'Or	20	0·46	11·7	24·9	3
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	1·47	37·3	48·5	9
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	1·06	27·0	41·1	9
	9	Beau Séjour	300	1·18	30·0	59·9	11
	10	Mont Piton	360	2·00	50·8	44·7	10
	11	Mon Choix	700	0·65	16·5	50·5	7
	12	Antoinette	640	1·40	35·6	61·7	9
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	1·12	28·4	69·1	11
	15	Mon Songe	620	1·40	35·6	66·0	4
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	0·77	19·6	46·9	8
	19	The Observatory ...	179	1·07	27·2	33·1	9
	20	Solitude§	175	...	...	...	...
	21	St. André§	90	...	...	...	...
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	0.95	24·1	...	5
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	0·00	0·0	...	...
	49	Poudre d'Or Station* ...	172	0·32	8·1		4
	50	Rivière du Rempart* ...	134	0·37	9·4		4
2 & 3	1	Union Régnard S.E. ...	600	2·01	51·1	61·0	15
	2	Constance d'Arifat L.G.	100	0·67	17·0	38·4	5
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)* ...	...	1·10	27·9	...	1
	9	Belle Vue (Allendy)* ...	...	2·35	59·7	...	6
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci	900	3·77	95·8	133·9	22
	2	Etoile§	400	...	...	...	...
	3	Beau Champ	20	1·41	35·8	35.8	5
	4	Belle Rive§	400	...	...	...	...
	5	Olivia§	400	...	...	...	...
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	3·03	77·0	...	25
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau	460	2·35	59.7	75·9	7
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	1·30	33·0	48·5	10
	5	Union Vale§	200	...	...	...	...

River System.	Register Number.	Station.	Approximate Altitude feet.	Total fall in inches.	Total fall in mill.	Normal in mill.	No. of days
5 cont.	6	Mon Désert (Carié) ...	75	1·29	32·8	...	12
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	6·75	171·4	196·8	17
	2	Tivoli*	1,300	3.88	98·5	...	14
	3	La Flora*	1,050	1·89	48·0	...	13
	4	Britannia	730	2·50	63·5	190·8	15
	5	Savannah (Mill) ...	200	0·84	21·3	56·4	4
	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.*	...	0·74	18·8	...	2
	15	Fontenelle*	...	0·46	11·7	...	1
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	0·15	3·8	48·5	1
	3	Beau Champ*	...	0·00	0·0	...	...
	4	Board*	...	0·13	3·3	...	1
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
	10	No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	..	...
	2	Curepipe Gardens ...	1,840	3·36	85·3	126·1	20
	3	Mare aux Vacoas ...	1,850	4.46	113·3	167·4	18
	4	La Marie Filter Bed ...	1,700	5·06	128·5	113·8	16
	5	Réunion	1,420	1·06	26·9	88·9	12
12	1	The Manse	850	0·53	13·5	30·9	13
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	1·12	28·5	37·3	22
	4	Alma	1,460	2·32	58·9	120·4	14
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	1·22	31·0	...	10
	7	Trianon§	950	...	...	...	...
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·32	8·1	..	11
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	0·80	20·3	45·7	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	..	0·22	5·5	...	1

* Normals not available § Record not Received

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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 1924

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 OCTOBER 1924

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	
OCT.	° ′			′		
1	10°59·9	·22927	·29903	7·8	32	35
2	11° 1·7	30	907	11·1	55	33
3	11. 1·2	27	910	8·0	11	29
4	11° 1·1	26	912	5·6	49	23
5	11. 1·6	20	915	8·0	19	17
6	11. 1·6	27	912	8·0	17	22
7	11. 1·1	31	914	7·9	41	23
8	11. 0·9	31	917	6·8	43	20
9	11. 0·8	22	915	8·1	12	26
10	11. 0·9	27	911	7·7	21	42
11	11. 1·5	22	915	8·0	19	37
12	11. 1·4	23	911	7·1	27	32
13	11. 2·1	32	913	7·6	27	26
14	11. 1·2	32	909	6·2	12	33
15	11. 0·9	44	906	8·7	27	26
16	11. 0·7	47	902	8·8	30	37
17	11. 1·4	27	911	4·5	17	18
18	11. 1·0	09	910	6·2	59	18
19	11. 1·3	16	910	6·2	21	25
20	11° 1·1	29	913	5·7	32	10
21	11. 1·6	30	912	5·7	44	15
22	11. 0·6	28	909	6·6	37	13
23	11. 1·4	24	912	4·5	31	12
24	10.59·7	02	916	5·5	101	15
25	11° 1·3	06	918	6·3	51	8
26	11. 1·8	14	911	6·5	34	29
27	11. 1·1	30	909	8·1	53	21
28	11. 1·6	27	911	6·5	34	21
29	11. 1·0	27	908	10·7	23	26
30	11. 1·6	35	907	10·5	40	30
31	11. 1·2	39	908	7·6	23	17
Mean	11° 1·17	·22926	·29911	7·34	33·0	23·8

T=0·37686 : Mean Dip.=θ=52°.31′·85. (X=·22503 : Y=−·04382 : Z=·29911).

† 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.

OCTOBER 1924.

Oct. 4^d 3^h to 5^d 3^h	Small undulations in H.F. & V.F.
7^d 12^h 0^m	Sudden increase in H.F. (10γ) followed by small irregular undulations till 8^d14^h
15^d 14^h 25^m	Sudden increase in H.F. (10γ) in V.F. (2γ) followed in both elements by small undulations till $16^d0.^h14^m$ with $16^d12^h5^m$ to 10^m sudden decrease in H.F. (20γ) in V.F. (5γ)
23^d 10^h 40^m to 50^m	Sharp positive wave in H.F. (20γ) followed by decrease of force (40γ) till 11^h25^m. $24^d1^h10^m$ to $1.^h40^m$ Increase in force (45γ) followed by gradual decrease (120γ) till $24^d13^h50^m$ with superposed small undulations and return (70γ) by 24^d19^h. 25^d2^h to 3^h. Wave in H.F. (+20γ). In Dec. small irregular undulations throughout. $23.^d10.^h45^m$ Sudden increase in V.F. (30γ) followed by two consecutive waves $10.^h45^m$ to $11.^h20^m$ (—10γ) $11.^h20^m$ to $11.^h40^m$ (—5γ) the former double crested. $24.^d1.^h30^m$ to $3.^h30^m$ Shallow irregular wave (—10γ). Small irregular undulations occurred throughout especially from 23^h 20^h to $24.^d14^h$
$28.^d$ $0\frac{1}{2}^h$ to $2.^h$	Wave in H.F. (+20γ).

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of OCTOBER 1924

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. 3. 8.37	11. 2·74	OCT. 1. 9.36	·22920	OCT. 3. 8.48	52.33·2	·29932	...	...	...
10.10.21	11. 5·96	.12.22	·22941	10.10.13	52.31·8	·29930	OCT. 10·13.48	52.29·4	.29872
.13.36	10·57·50	8. 9.07	·22967	15. 8.58	52.31·3	·29924	15.13.34	52.29·0	·29884
15. 8.42	11. 4·44	.12.42	·22935	22. 9.23	52.30·9	·29913	22.13.53	52·30·2	·29897
.13.44	10.56·41	15. 9.33	·22938	31° 9·53	52·30·4	·29914	31.13.34	52.29.4	·29890
22. 9.10	11. 2·25	·12.22	·22939						
31. 9.43	11. 4·29	22. 9.44	·22941						
.13.47	10.58.18	.13.17	·22947						
		29. 9.11	.22935						
		.13.16	.22961						

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

OCTOBER 1924.

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

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d	Mean	Day. / Hour.
	10° +																
Midnight	61·3	61·3	61·0	61·5	61·3	61·8	61·8	62·5	62·0	61·8	61·7	61·5	61·3	61·3	61·0	61·4	Midnight
1h	61·3	61·3	61·2	61·3	61·5	61·5	61·7	61·8	62·0	61·9	61·8	62·0	61·4	61·3	61·0	61·4	1h
2	61·2	61·2	61·0	61·2	61·0	61·5	61·8	58·7	63·0	61·9	62·0	61·5	61·5	61·5	61·3	61·3	2
3	62·5	61·5	61·3	61·3	61·8	61·7	62·0	60·0	62·0	62·0	62·0	61·0	61·8	61·7	61·8	61·5	3
4	61·0	61·5	61·3	61·0	61·5	61·8	62·2	60·5	62·7	62·0	62·3	61·0	62·0	61·8	62·0	61·5	4
5	60·0	61·7	61·5	61·3	62·0	62·0	61·9	60·7	63·8	62·2	62·5	61·8	62·2	62·2	62·3	61·6	5
6	60·0	62·0	61·5	61·0	62·0	62·5	61·9	60·0	63·1	62·8	62·7	62·0	62·7	62·8	62·3	61·3	6
7	61·5	62·1	62·2	61·5	62·5	62·7	62·5	59·9	63·2	64·0	63·8	63·8	64·5	64·5	63·5	62.1	7
8	62·5	62·0	63·5	62·0	63·0	62·5	62·5	60·0	62·5	64·1	64·0	64·7	65·7	66·0	63·8	62·9	8
9	63·8	63·3	64·0	63·3	63·8	62·0	63·0	58·2	61·8	65·0	63·8	64·8	65·0	66·5	63·9	63·7	9
10	64·0	63·7	64·0	63·8	64·0	61·5	61·5	57·8	61·5	64·5	62·3	63·4	63·2	66·0	63·5	63·9	10
11	64·0	63·5	63·7	63·7	64·0	61·0	61·0	57·5	61·0	63·0	60·2	62·0	60·5	63·5	62·3	63·4	11
Noon	62·1	62·3	61·3	62·1	62·2	58·2	61·7	57·5	58·5	61·0	57·5	60·5	58·0	60·0	60·0	61·5	Noon
13h	60·7	60·7	58·7	60·5	60·2	57·0	60·0	57·0	57·5	59·5	56·0	58·8	55·7	56·7	57·0	59·0	13h
14	59·8	58·0	57·8	58·2	59·0	56·1	59·0	56·0	57·8	58·5	55·9	58·3	55·0	56·0	56·3	57·6	14
15	59·5	57·7	58·0	58·1	58·3	57·3	58·5	59·0	58·7	59·0	57·0	58·8	56·5	57·0	57·0	57·7	15
16	60·0	57·5	59·0	58·5	59·5	58·5	59·5	59·7	60·2	60·0	59·2	60·5	58·5	58·8	58·8	58·7	16
17	60·8	58·7	60·7	59·5	60·5	59·5	60·7	60·2	61·8	60·8	61·0	61·8	60·7	61·5	61·0	60·2	17
18	61·5	59·8	61·5	60·4	60·8	60·3	61·0	60·7	61·5	61·0	61·5	62·0	61·3	62·0	61·5	60·9	18
19	61·3	60·7	61·5	61·3	61·0	60·7	60·9	60·9	61·7	61·5	61·5	61·9	61·7	61·7	61·5	61·2	19
20	61·2	61·0	61·5	61·2	61·5	61·0	60·5	61·3	61·5	61·5	61·7	61·7	61·8	61·5	61·7	61·2	20
21	61·0	60·8	61·3	61·3	62·0	61·0	62·2	61·2	61·5	61·5	61·8	61·5	61·3	61·0	61·5	61·3	21
22	61·0	61·0	61·3	61·2	61·8	61·3	61·9	61·3	61·5	61·3	61·7	61·5	61·2	61·3	61·3	61·3	22
23	61·3	61·0	61·5	61·5	62·0	61·5	62·7	61·5	61·7	61·5	61·8	61·7	61·5	61·0	61·3	61·4	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).

OCTOBER 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	021	017	023	032	021	021	029	030	020	021	025	018	027	028	031	042	Midnight
1h	021	024	025	034	022	021	029	029	018	025	024	020	028	028	032	045	1h
2	024	024	027	036	024	022	029	030	019	025	023	021	029	029	036	050	2
3	030	024	029	033	023	023	029	032	020	028	024	022	029	030	037	051	3
4	031	027	030	031	025	025	029	032	023	028	026	022	030	031	038	050	4
5	027	029	031	035	021	027	029	025	026	029	028	023	028	031	038	050	5
6	027	029	030	034	020	025	030	027	027	030	029	022	028	030	039	051	6
7	029	029	029	031	023	024	042	033	029	028	028	021	027	030	039	053	7
8	028	031	027	027	025	025	044	039	·025	027	025	024	030	030	039	055	8
9	026	037	023	024	029	028	047	058	019	028	023	031	038	036	046	057	9
10	029	048	027	037	029	032	051	051	021	032	026	037	047	040	050	050	10
11	034	052	031	047	026	038	050	045	023	041	031	039	051	039	051	057	11
Noon	041	050	029	050	023	036	046	042	021	040	027	036	045	033	049	061	Noon
13h	048	047	025	047	022	037	040	035	022	034	028	025	041	037	045	050	13h
14	042	039	021	036	020	031	031	038	028	030	022	019	040	039	050	052	14
15	031	031	020	013	020	031	027	036	026	026	021	015	032	034	058	050	15
16	024	024	021	007	018	025	027	031	017	021	014	012	027	030	050	050	16
17	022	020	025	001	011	022	021	025	017	022	015	019	027	031	052	042	17
18	024	020	028	002	010	022	023	021	020	025	013	020	029	033	049	040	18
19	023	022	030	009	015	023	015	019	019	023	012	021	027	032	045	038	19
20	020	022	029	009	015	022	010	017	019	020	013	021	026	031	045	035	20
21	020	021	029	013	013	029	013	015	020	021	017	021	024	031	044	033	21
22	019	022	030	017	014	026	022	019	021	022	017	022	024	030	049	032	22
23	016	022	030	019	017	027	023	018	025	027	017	024	027	030	043	031	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean.	Day. \ Hour.
	·22900 + (C.G.S. UNIT.)																
Midnight	030	023	008	019	029	012	026	002	003	009	020	013	025	024	028	021·8	Midnight
1h	031	023	012	019	029	016	025	011	006	009	021	033	027	027	037	024·2	1h
2	031	020	014	019	032	020	029	042	002	010	022	024	028	031	038	026·1	2
3	036	022	015	021	024	023	038	033	009	009	027	029	029	030	036	027·3	3
4	035	024	016	022	027	022	031	039	005	010	030	033	028	031	039	028·1	4
5	034	025	016	025	028	026	041	032	004	·010	031	023	027	033	034	027·9	5
6	029	020	016	025	027	025	035	030	010	011	029	024	027	034	033	027·5	6
7	028	016	017	029	030	029	034	023	009	008	028	023	024	036	040	028·0	7
8	029	020	019	032	036	035	036	010	010	008	031	020	023	038	044	028·8	8
9	031	020	022	041	044	041	041	012	016	016	037	022	030	040	051	032·7	9
10	031	020	027	048	049	040	041	—002	021	022	042	026	035	046	048	035·5	10
11	029	028	028	051	049	042	032	—018	031	033	051	031	036	058	042	038·0	11
Noon	030	027	027	050	049	049	011	—030	032	037	057	040	042	060	044	037·2	Noon
13h	023	017	021	041	040	040	019	—039	027	031	059	047	040	057	047	034·0	13h
14	022	010	014	032	040	037	014	—059	010	014	052	045	036	051	041	028·9	14
15	022	006	009	024	037	029	012	—022	—002	008	044	038	030	044	041	025·5	15
16	019	—015	007	022	039	027	011	—012	—019	003	040	030	022	035	041	020·9	16
17	020	—028	008	023	033	021	016	—007	—016	007	030	023	020	027	035	018·8	17
18	023	—031	011	023	028	020	020	—001	—012	009	022	020	019	023	032	018·9	18
19	022	—010	015	024	021	019	015	002	—006	009	022	020	021	021	034	019·4	19
20	021	—010	016	023	009	020	017	000	—003	009	017	021	021	020	031	018·3	20
21	025	—004	016	023	005	020	026	001	—001	010	006	022	021	022	032	019·0	21
22	023	—002	015	024	008	020	015	001	001	012	007	021	021	023	046	020·0	22
23	022	002	015	026	007	022	010	004	004	017	009	022	022	024	037	020·6	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*).

OCTOBER 1924.

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	910	910	911	912	917	916	914	917	919	919	914	914	912	913	911	910	Midnight
1h	909	910	911	912	917	916	914	917	919	919	914	913	911	912	911	910	1h
2	909	909	911	912	917	915	914	917	919	919	914	913	911	911	910	909	2
3	907	909	910	912	917	915	914	918	919	919	914	913	911	911	910	909	3
4	907	909	910	912	916	916	915	918	919	919	915	913	912	911	910	909	4
5	908	909	910	912	917	915	915	918	919	920	916	914	913	912	910	910	5
6	907	909	908	911	915	914	913	917	919	920	914	913	912	912	911	909	6
7	907	910	912	913	917	916	915	919	921	921	917	916	917	914	912	911	7
8	910	915	919	919	920	920	921	921	922	922	924	921	921	917	915	915	8
9	911	919	923	921	921	920	923	921	922	923	931	927	927	920	916	916	9
10	913	922	925	920	921	916	924	923	921	923	932	927	927	920	913	911	10
11	908	917	919	916	920	907	923	923	916	917	930	920	923	915	906	902	11
Noon	897	908	908	909	914	899	919	919	910	902	916	909	916	904	897	890	Noon
13h	883	896	900	900	907	898	906	910	901	889	900	900	907	893	891	881	13h
14	878	890	896	898	904	899	901	903	896	881	895	895	901	887	890	879	14
15	881	889	897	901	904	902	904	906	897	889	900	896	901	890	891	881	15
16	889	893	901	909	907	909	909	911	904	896	904	900	903	899	897	887	16
17	893	900	906	911	910	910	912	916	912	902	910	905	906	904	901	892	17
18	901	904	909	914	913	911	913	918	917	910	914	910	910	910	906	899	18
19	904	905	909	914	914	911	913	917	918	911	915	912	911	911	907	901	19
20	905	906	909	914	914	912	915	917	918	912	916	913	912	911	907	904	20
21	907	907	910	915	915	914	915	919	918	914	916	914	914	911	909	907	21
22	908	909	910	915	916	914	915	919	917	914	917	914	915	913	910	908	22
23	909	910	911	916	916	914	915	919	916	914	916	914	914	912	909	909	23

Hour. / Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31d.	Mean	Day. / Hour.
	·29900 + (C.G.S. UNIT).																
Midnight	910	912	914	912	911	912	911	911	915	915	911	912	911	911	910	912·8	Midnight
1h	910	912	914	913	911	912	911	911	915	914	911	913	911	911	909	912·7	1h
2	910	911	914	912	912	912	911	907	915	914	911	910	910	910	909	912·2	2
3	909	911	914	912	911	912	911	909	914	914	911	911	910	910	909	912·1	3
4	909	911	914	912	911	912	911	912	914	915	911	911	911	910	910	912·4	4
5	909	911	914	912	911	913	911	913	919	915	912	913	911	911	910	913·0	5
6	910	911	913	911	911	913	911	912	920	919	914	915	912	912	910	912·8	6
7	913	914	915	913	912	913	912	913	920	921	916	920	919	916	912	915·1	7
8	918	915	919	915	918	911	913	913	921	922	915	921	920	920	914	918·0	8
9	921	917	920	917	920	909	915	914	922	923	911	920	916	917	914	919·3	9
10	922	915	920	919	919	905	912	915	921	913	910	916	911	911	910	918·0	10
11	920	911	912	919	918	903	906	920	921	901	904	909	901	901	907	913·4	11
Noon	912	904	905	917	913	901	918	920	920	895	899	902	895	893	900	906·8	Noon
13h	908	900	900	913	909	900	912	921	917	894	895	900	894	890	898	900·4	13h
14	904	899	895	909	905	900	909	919	915	897	896	900	895	893	897	897·6	14
15	905	900	899	910	905	905	912	922	915	903	902	905	897	897	901	900·2	15
16	906	904	901	910	907	909	916	921	920	908	910	910	902	902	904	904·8	16
17	907	910	905	910	909	911	917	921	921	910	913	911	909	906	909	908·4	17
18	907	911	909	911	909	911	915	920	920	911	913	911	911	907	910	910·8	18
19	907	913	909	911	910	911	913	917	919	911	912	911	911	908	908	911·1	19
20	909	913	909	911	911	911	912	916	917	912	912	911	911	909	908	911·5	20
21	910	913	910	910	912	911	913	91	916	912	912	911	911	910	909	912·3	21
22	911	914	911	910	912	911	912	916	916	912	913	912	912	911	910	912·8	22
23	911	914	911	911	912	911	912	915	915	911	912	912	911	911	910	912·4	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1924.

Month and Day 1924.	Atmospheric Pressure: Mean	Atmospheric Pressure: Excess above Average	Temperature of the Air. (in degrees Centigrade.): Highest	Temperature of the Air: Lowest.	Temperature of the Air: Range	Temperature of the Air: Mean	Temperature of the Air: Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.): Mean	Temperature of the Dew Point: Excess above Average	Degree of Humidity (Saturation=100): Mean	Degree of Humidity: Excess above Average	Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall: Amount recorded by the Beckley Pluviograph.	Rainfall: Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
OCT.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1011·1	— 1·8	23·5	14·4	9·1	18·7	— 2·8	4·1	12·4	— 3·4	67	— 4	14·3	6·4	0·0	...	8·2	5·5
2	1010·9	— 1·9	24·0	13·6	10·4	19·0	— 2·5	4·3	11·4	— 4·5	61	— 10	13·4	7·8	0·0	...	6·5	4·3
3	1012·1	— 0·7	24·3	16·0	8·3	19·6	— 1·9	3·3	13·7	— 2·2	69	— 2	15·5	11·6	0·0	...	6·6	5·5
4	1013·6	+ 0·9	25·1	15·6	9·5	20·5	— 1·1	4·1	13·2	— 2·7	63	— 7	15·0	11·6	0·0	...	5·8	6·3
5	1014·0	+ 1·4	24·4	18·5	5·9	21·1	— 0·5	3·6	14·7	— 1·2	67	— 3	16·6	16·3	0·6	15	4·8	9·1
6	1013·3	+ 0·8	24·9	18·1	6·8	20·8	— 0·9	3·5	14·6	— 1·4	68	— 2	16·5	16·1	0·6	15	6·1	7·1
7	1012·8	+ 0·4	24·4	18·1	6·3	20·4	— 1·3	2·5	15·9	— 0·1	76	+ 6	17·9	15·6	4·1	70	7·9	8·9
8	1012·1	— 0·2	25·2	17·9	7·3	21·0	— 0·8	3·0	15·7	— 0·4	72	+ 2	17·7	13·8	2·1	55	6·8	6·3
9	1008·4	— 3·8	24·9	15·0	9·9	19·7	— 2·1	2·8	14·7	— 1·4	73	+ 3	16·6	11·4	0·0	...	5·6	5·5
10	1004·7	— 7·4	27·1	14·1	13·0	20·7	— 1·2	3·3	14·9	— 1·2	69	— 1	16·8	10·5	0·0	...	7·5	2·6
11	1005·1	— 6·9	27·4	16·1	11·3	21·4	— 0·5	2·3	17·3	+ 1·1	78	+ 8	19·6	13·1	8·7	185	6·2	7·3
12	1009·3	— 2·7	26·0	16·9	9·1	20·9	— 1·0	3·8	14·2	— 2·0	66	— 4	16·1	13·2	0·0	...	5·5	5·0
13	1011·9	0·0	25·0	13·1	11·9	19·7	— 2·3	4·2	12·2	— 4·0	62	— 8	14·1	9·4	0·0	...	9·0	5·3
14	1012·1	+ 0·3	24·9	16·3	8·6	21·0	— 1·0	4·4	13·2	— 3·1	61	— 9	15·0	11·7	0·0	...	6·2	7·8
15	1011·4	— 0·4	25·2	17·1	8·1	21·3	— 0·8	3·3	15·5	— 0·8	69	— 1	17·4	12·9	1·3	15	6·6	8·5
16	1011·3	— 0·4	26·7	20·4	6·3	23·0	+ 0·9	2·4	18·8	+ 2·5	77	+ 7	21·5	16·9	15·1	95	6·1	8·4
17	1011·4	— 0·2	27·0	21·1	5·9	23·3	+ 1·1	1·9	20·0	+ 3·6	82	+ 12	23·2	18·9	0·3	5	7·7	8·0
18	1010·5	— 1·0	27·2	21·0	6·2	23·2	+ 1·0	1·8	19·0	+ 2·6	78	+ 8	21·8	19·8	1·1	50	2·5	9·3
19	1009·3	— 2·2	24·0	19·7	4·3	21·1	— 1·2	2·2	17·2	+ 0·7	78	+ 9	19·4	16·9	39·5	185	6·0	9·0
20	1009·4	— 2·0	25·7	16·1	9·6	20·7	— 1·7	3·4	14·7	— 1·8	69	0	16·6	11·8	4·1	70	6·3	6·5
21	1010·2	— 1·1	25·2	16·7	8·5	21·0	— 1·4	3·5	14·8	— 1·7	68	— 1	16·7	10·5	0·6	10	7·6	3·8
22	1010·1	— 1·1	25·2	12·9	12·3	19·3	— 3·2	3·5	13·0	— 3·6	67	— 2	14·9	8·0	0·0	...	7·3	3·5
23	1009·1	— 2·1	25·3	13·9	11·4	20·4	— 2·2	3·9	13·4	— 3·2	64	— 5	15·2	9·7	0·0	...	7·0	6·1
24	1008·9	— 2·2	25·8	16·9	8·9	20·8	— 1·8	3·5	14·6	— 2·0	68	— 1	16·5	13·8	0·0	...	5·0	6·2
25	1009·3	— 1·7	26·9	17·1	9·8	21·3	— 1·4	3·4	15·3	— 1·4	69	0	17·2	12·5	0·0	...	6·5	5·1
26	1010·7	— 0·3	26·3	14·4	11·9	20·3	— 2·4	3·7	13·7	— 3·0	66	— 3	15·5	10·3	0·0	...	5·0	3·5
27	1011·9	+ 1·0	25·6	15·6	10·0	19·9	— 2·9	2·1	16·1	— 0·7	79	+ 10	18·1	12·3	4·0	90	5·0	5·7
28	1011·2	+ 0·4	26·0	15·2	10·8	20·7	— 2·2	2·4	16·5	— 0·3	77	+ 8	18·6	11·6	0·0	...	7·8	4·8
29	1010·6	— 0·2	26·9	15·2	11·7	20·9	— 2·0	2·9	15·8	— 1·1	73	+ 4	17·8	11·1	0·0	...	5·3	4·5
30	1011·0	+ 0·3	26·1	15·0	11·1	20·9	— 2·0	2·9	15·8	— 1·1	73	+ 4	17·8	10·5	0·0	...	4·5	5·5
31	1011·4	+ 0·8	23·9	19·1	4·8	20·9	— 2·1	2·9	15·8	— 1·1	73	+ 4	17·8	16·3	0·0	...	6·5	9·0
Mean	1010·6	— 1·1	25·5	16·5	9·0	20·7	— 1·5	3·4	15·1	— 1·3	70·3	+ 0·6	17·1	12·7	Sum 82·1	Sum 860	6·3	6·3
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 1924.

The meteorological conditions during the month of October were abnormal in several respects. The general type of weather throughout the month was, as is usual at this time of the year, such as accompanies the Southern anticyclonic belt.

The very low pressures from the 8th to the 13th were apparently due to an intense Southern depression, and temperature and wind velocity both remained much below normal.

From the 16th to the 18th a sudden rise of temperature occurred accompanied with a northerly wind and no marked fall of pressure. These conditions belong distinctly to the equatorial calm belt.

Early in the morning of the 19th a zone of Southerly wind appears to have undercut the warm zone of northerly winds: this gave rise to the heavy rainfall of the 19th and to the sequence of weather which is evidenced in the curves reproduced at the end of this bulletin, in which the records from the Aerological station at Vacoas are compared with those at Pamplemousses.

Pressure was below normal on every day except from the 4th to the 7th, 14th, 27th, 28th, and 30th to 31st. It was 1.1m.b.s. below in the mean.

Temperature was below normal on every day except the 16th, 17th and 18th and was 1.5C below in the mean.

Wind was more Southerly than usual and 0.57 m.p.s. below normal in the mean. Sunshine was 11% below normal and cloudiness 26% above.

Rainfall was 134% above normal at the Observatory, but practically normal in duration.

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

Northern Districts	River System 1,	43 % above	
Eastern Districts	,, ,, 2, 3, 4,	47 % ,,	
South-Eastern Districts	,, ,, 5 & 6	125 % ,,	
Western Districts	River System 11	103% above	
	,, ,, 12	70% ,,	
	,, ,, 13	124% ,,	

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of OCTOBER 1924.

Month and Day 1924.	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	6·8	56	— 2·9	+ 1·5	27	3·2	3·3	— 0·4	24·8	23·7	23·2	23·2	...	22·7	22·3	f. : c. f. : f. :
2	6·0	49	— 1·5	+ 0·9	31	1·7	2·7	— 1·0	24·7	23·7	23·3	22·6	...	22·1	21·5	c. o. : c. f : f. .
3	6·1	50	— 1·2	+ 0·9	37	1·5	2·4	— 1·3	24·8	23·6	23·2	22·3	...	22·0	21·7	c .f : c. : f. .
4	9·2	75	— 1·0	+ 2·4	67	2·6	2·7	— 1·0	24·8	23·6	23·1	22·3	...	22·2	22·1	f. .
5	3·8	31	— 1·0	+ 3·0	72	3·2	3·3	— 0·3	24·7	23·8	23·1	22·6	...	22·6	22·6	f. d. : c. q. : f :
6	6·7	54	— 1·3	+ 3·4	69	3·6	3·8	+ 0·2	24·7	23·7	23·1	22·8	...	22·7	22·7	o .g. q. d. c. q. .
7	6·0	49	— 0·7	+ 2·9	76	3·0	3·1	— 0·5	24·7	23·7	23·2	23·0	...	22·9	22·8	o . d. p: o. .
8	7·8	63	— 0·7	+ 3·2	78	3·3	3·4	— 0·2	24·8	23·8	23·3	23·0	...	22·9	22·8	c. f. : c. d. : f. : o. g. .
9	2·0	16	— 0·2	+ 1·6	83	1·6	1·8	— 1·8	24·7	23·7	23·3	22·9	...	22·6	22·2	o. :
10	11·8	95	+ 1·2	— 0·4	198	1·2	2·3	— 1·3	24·7	23·7	23·3	22·8	...	22·6	22·2	c.f. c. : f. .
11	5·7	46	+ 0·6	— 1·4	247	1·5	2·4	— 1·2	24·7	23·5	23·4	23·3	...	22·9	23·4	f. : c. o.g.r. .
12	8·3	67	— 2·2	+ 1·7	38	2·8	3·0	— 0·6	24·7	23·7	23·4	23·4	...	23·4	23·3	f. .
13	9·3	75	— 1·9	+ 3·2	59	3·7	3·9	+ 0·3	24·7	23·7	23·5	23·3	...	23·0	22·4	f. .
14	6·6	53	— 0·8	+ 3·9	78	4·0	4·1	+ 0·5	24·8	23·7	23·5	23·1	...	22·7	22·2	f. : c. .
15	5·9	47	+ 0·4	+ 3·6	96	3·6	3·7	+ 0·1	24·7	23·8	23·5	22·9	...	22·6	22·4	c. d: f. : o. .
16	7·9	63	+ 0·9	+ 2·7	108	2·9	3·0	— 0·6	24·6	23·7	23·5	23·1	...	23·2	23·5	c. : f. p. .
17	5·1	41	+ 1·4	+ 2·5	119	2·8	3·0	— 0·5	24·7	23·7	23·5	23·6	...	23·9	24·1	c .q : f. .
18	3·3	26	+ 2·2	+ 0·9	158	2·4	2·6	— 0·9	24·6	23·7	23·7	24·0	...	24·1	24·3	f. : c. r. .
19	2·0	16	— 2·8	+ 2·5	42	3·7	4·0	+ 0·5	24·7	23·9	23·8	23·8	...	23·7	23·6	c. r. : c. f. .
20	9·2	73	— 2·9	+ 2·1	36	3·6	3·8	+ 0·3	24·6	23·7	23·9	23·6	...	23·1	23·2	c : f. : c. r. .
21	11·5	91	— 2·9	+ 2·8	44	4·0	4·1	+ 0·6	24·7	23·9	23·9	23·6	...	23·8	24·0	f. .
22	8·7	69	— 2·4	+ 2·4	45	3·4	3·5	0·0	24·6	23·8	23·9	23·6	...	23·3	22·9	f. : c. .
23	9·7	77	— 1·2	+ 1·5	51	1·9	2·6	— 0·9	24·6	23·9	23·9	23·2	...	22·8	22·9	c : f. .
24	8·4	66	— 1·8	+ 1·1	31	2·1	2·6	— 0·9	24·6	23·8	23·8	23·5	...	22·9	23·0	f. .
25	7·7	61	— 1·7	+ 0·8	25	1·9	2·5	— 1·0	24·7	23·9	23·8	23·6	...	23·3	23·2	c. : f. .
26	8·1	64	— 2·3	+ 1·5	33	2·7	3·1	— 0·4	24·6	23·9	23·8	23·5	...	22·9	22·8	f : c. o. .
27	5·4	43	— 1·1	+ 0·4	20	1·1	1·8	— 1·7	24·6	23·9	23·8	23·1	...	22·8	22·5	o .g. r. : c . .
28	6·8	54	— 0·1	+ 0·1	45	0·1	1·8	— 1·7	24·5	23·9	23·8	23·0	...	22·7	22·6	c. : f. .
29	7·3	57	— 0·1	+ 0·3	72	0·3	2·0	— 1·5	24·5	23·9	23·7	23·0	...	22·1	23·1	c. .
30	8·4	66	— 1·1	— 0·2	350	1·1	2·4	— 1·1	24·6	23·9	23·7	23·4	...	23·2	22·8	o . d. . : . f. . . f:
31	0·1	0	— 1·8	+ 34	62	3·8	3·9	+ 0·4	24·6	23·9	23·7	23·5	...	23·5	23·5	...
Mean	6·83	54·6	— 1·00	+ 1·78	60·7	2·04	2·99	— 0·57	24·67	23·77	23·54	23·18	...	22·94	22·86	...
Average	8·21	65·7	— 0·60	+ 2·44	76·2	2·51	3·56	...	24·41	24·13	...	...	...	25·37	25·74	...
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 OCTOBER 1924.

Element	Highest			Date		Lowest		Date	
Atmospheric Pressure	1015·6 mbs	at	21h	on	4th	1002·2 mbs	at 16a	on	10th
Temperature of the Air	27·4C	at	11.30	on	11th	12·9C	at 5·40	on	22nd
Daily range of temperature of the Air...	13·0C		...	on	10th	4·3C	...	on	19th
Temperature of the Dew Point	21·2C	at	21h	on	18th	8·0C	at 6h	on	2nd
Daily range of temperature of the Dew Point	6·5C		...	on	20th	0·9C	...	on	18th
Relative humidity...	95·8%	at	5h	on	19th	37·9%	at 14h	on	4th
Wind Velocity	8·4 m.p.s.	at	14h	on	21st	0·6 m.p.s.	often		...
Rainfall	40·6m.m. for the 24h. ending 7a			on	19th	..	...		...
Temperature of the soil at 3 ins. ...	25·7C	at	18h	on	21st	20·0C	at 9h	on	2nd
,, ,, at 6 ins. ...	24·9C	at	18h	on	23rd	20·7C	at 0h	on	2nd
Duration of sunshine...	11·8 hrs.		...	on	10th	0·1 hrs.	...	on	31st
Amount of Evaporation in 24 hours	9·0 mm.		...	on	13th	2·5 m.m.	...	on	18th
Vapour Tension	24·9 mbs	at	21h	on	18th	10·8 mbs	at 6h	on	2nd
Minimum on Grass	...		...		...	6·4 C	...	on	1st

Number of Days Overcast, 11, Clear 1, of Rain 13, of Lightning 0, of Thunderstorm 0.

Mean Day Temperature of Air 23·09C, Average 24·60C, Mean Night Temperature of Air 18·40C, Average 19·77C.

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

† Thermometer broken.

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

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

OCTOBER 1924.

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
Midnight	0119	0116	0119	0134	0148	0145	0135	0134	0115	0066	0044	0076	0118	0131	0126	0116
1h	0114	0115	0116	0130	0142	0138	0134	0131	0109	0061	0036	0074	0116	0126	0118	0108
2	0111	0112	0115	0127	0138	0136	0127	0127	0101	0055	0033	0070	0111	0121	0114	0106
3	0110	0111	0113	0126	0136	0134	0124	0124	0100	0053	0029	0070	0110	0119	0111	0104
4	0007	0108	0113	0127	0135	0132	0122	0124	0096	0048	0030	0068	0111	0117	0110	0104
5	0009	0106	0116	0129	0136	0134	0124	0126	0098	0051	0032	0079	0114	0118	0107	0106
6	0113	0111	0121	0135	0142	0138	0126	0130	0100	0056	0040	0082	0118	0120	0115	0112
7	0118	0112	0123	0140	0146	0145	0132	0133	0103	0063	0045	0088	0118	0126	0120	0121
8	0121	0116	0127	0143	0152	0147	0135	0136	0104	0065	0053	0096	0126	0129	0125	0122
9	0120	0116	0128	0147	0153	0146	0137	0135	0103	0065	0055	0097	0127	0130	0127	0124
10	0117	0115	0129	0148	0153	0144	0138	0129	0097	0064	0056	0096	0127	0131	0125	0120
11	0114	0109	0125	0142	0145	0141	0135	0124	0092	0056	0054	0095	0125	0127	0122	0118
Noon	0108	0103	0116	0133	0139	0134	0128	0122	0080	0042	0051	0091	0116	0121	0115	0115
13h	0100	0101	0113	0126	0134	0126	0120	0115	0067	0035	0044	0088	0111	0115	0105	0106
14	0094	0095	0110	0123	0126	0116	0114	0108	0062	0032	0042	0083	0109	0110	0102	0104
15	0092	0093	0110	0122	0125	0115	0112	0103	0061	0027	0042	0082	0108	0107	0097	0101
16	0095	0094	0110	0124	0124	0115	0113	0102	0059	0022	0042	0085	0107	0107	0099	0102
17	0100	0096	0113	0125	0127	0119	0120	0104	0061	0025	0047	0089	0109	0110	0102	0104
18	0105	0103	0120	0130	0134	0125	0125	0110	0064	0030	0055	0100	0118	0113	0106	0110
19	0112	0108	0124	0141	0140	0129	0130	0115	0070	0033	0066	0109	0125	0117	0113	0117
20	0116	0116	0129	0151	0144	0136	0135	0122	0074	0044	0071	0114	0127	0121	0116	0122
21	0121	0120	0135	0156	0150	0137	0138	0124	0075	0050	0078	0122	0135	0125	0122	0124
22	0123	0117	0135	0155	0151	0137	0139	0124	0072	0050	0082	0123	0134	0126	0124	0125
23	0122	0118	0134	0153	0150	0135	0136	0121	0071	0051	0077	0122	0134	0128	0121	0125

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
Midnight	0123	0122	0104	0098	0105	0111	0098	0095	0097	0111	0122	0126	0113	0119	0121	1011·3
1h	0117	0113	0096	0095	0101	0105	0096	0091	0092	0106	0118	0124	0108	0113	0114	1010·8
2	0113	0105	0093	0093	0096	0104	0091	0087	0086	0102	0115	0115	0104	0110	0111	1010·4
3	0109	0099	0085	0091	0093	0102	0090	0085	0083	0097	0112	0112	0099	0103	0108	1010·1
4	0107	0093	0084	0091	0094	0100	0086	0083	0083	0096	0111	0112	0096	0102	0104	1010·0
5	0109	0100	0093	0094	0100	0103	0090	0088	0085	0104	0115	0114	0102	0103	0107	1010·3
6	0110	0105	0096	0096	0103	0105	0094	0092	0091	0106	0120	0115	0106	0104	0111	1010·7
7	0116	0110	0102	0100	0110	0111	0097	0096	0094	0111	0123	0121	0112	0106	0115	1011·2
8	0121	0116	0106	0101	0113	0113	0097	0101	0098	0114	0126	0124	0114	0112	0123	1011·5
9	0123	0121	0107	0102	0113	0113	0101	0102	0098	0114	0127	0124	0115	0114	0123	1011·6
10	0124	0117	0103	0100	0110	0109	0100	0099	0098	0112	0125	0123	0112	0113	0122	1011·5
11	0122	0111	0096	0094	0104	0100	0098	0093	0095	0108	0121	0115	0108	0108	0119	1011·0
Noon	0115	0106	0095	0088	0098	0094	0086	0085	0090	0103	0119	0110	0104	0106	0114	1010·4
13h	0109	0100	0083	0083	0092	0090	0080	0082	0083	0095	0112	0102	0097	0103	0106	1009·8
14	0104	0096	0076	0076	0089	0089	0075	0077	0079	0093	0107	0099	0095	0100	0105	1009·3
15	0101	0091	0076	0071	0086	0085	0073	0072	0074	0091	0108	0095	0091	0100	0102	1009·1
16	0102	0094	0078	0079	0085	0085	0075	0071	0076	0093	0111	0095	0092	0101	0103	1009·2
17	0104	0095	0079	0084	0090	0083	0079	0072	0078	0099	0113	0094	0095	0102	0105	1009·4
18	0110	0097	0085	0091	0096	0095	0086	0080	0090	0105	0117	0102	0100	0109	0112	1010·1
19	0114	0102	0092	0097	0103	0100	0092	0087	0099	0114	0123	0108	0105	0116	0116	1010·7
20	0118	0108	0098	0103	0108	0106	0100	0096	0108	0120	0127	0113	0113	0121	0125	1011·3
21	0123	0113	0103	0107	0114	0107	0105	0100	0113	0124	0129	0116	0117	0125	0127	1011·7
22	0126	0114	0103	0108	0117	0110	0104	0102	0115	0125	0131	0118	0122	0126	0128	1011·8
23	0125	0108	0101	0107	0115	0108	0101	0100	0113	0123	0130	0114	0122	0124	0125	1011·7

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

Hour. \ Day.	OCTOBER 1924.																															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	7	5	2	1	9	10	8	10	1	2	1	10	0	10	10	7	9	8	10	7	9	0	1	9	5	2	1	1	2	1	9	5·4
1h	8	6	4	0	9	10	8	10	1	2	2	9	0	9	9	8	8	9	10	8	8	0	2	9	8	3	2	2	2	0	9	5·6
2	8	6	6	2	9	10	9	10	2	3	3	9	1	9	9	8	7	9	10	7	8	0	4	8	9	3	2	2	1	0	9	5·9
3	7	2	8	5	10	10	9	10	2	4	5	10	1	9	9	9	5	9	10	5	7	0	8	7	8	3	2	2	1	0	9	6·0
4	6	5	6	4	9	9	9	10	2	3	3	9	1	9	9	8	7	9	10	3	6	0	6	8	8	2	2	2	1	0	9	5·6
5	5	4	5	7	9	9	9	10	3	2	3	7	1	9	9	7	8	9	10	2	6	1	5	7	6	2	3	2	2	1	9	5·5
6	6	3	4	8	9	9	9	9	6	1	6	6	2	9	9	7	6	9	10	1	7	1	7	9	3	2	6	2	4	2	9	5·8
7	8	1	3	7	9	10	9	9	9	1	4	3	2	9	9	7	9	9	10	1	6	2	5	9	4	2	6	2	7	7	9	6·1
8	7	0	2	7	8	9	9	9	8	1	6	2	4	7	9	7	9	9	9	3	5	4	5	7	5	2	6	4	8	6	9	6·0
9	6	1	3	8	9	9	9	9	9	2	7	3	5	6	9	7	8	9	8	3	6	4	5	7	5	1	6	5	8	6	9	6·2
10	7	3	5	9	9	9	10	6	9	2	9	4	6	7	8	8	8	9	8	4	6	6	4	7	6	3	7	5	8	7	10	6·7
11	7	7	7	8	9	8	10	7	9	3	7	6	7	8	8	8	9	8	9	6	6	7	4	7	6	6	8	5	9	7	10	7·3
Noon	6	7	6	7	9	7	9	6	9	3	9	7	8	5	9	8	9	8	9	7	4	5	3	7	6	6	9	9	7	5	10	7·1
13h	6	6	8	5	9	6	9	6	8	4	9	7	7	6	7	8	10	9	9	7	3	5	3	7	7	7	8	7	7	7	10	7·0
14	7	6	8	9	9	6	9	6	7	5	8	7	6	6	8	8	10	9	10	7	2	6	3	7	6	7	9	7	6	8	10	7·2
15	7	7	9	2	9	5	9	6	7	6	9	7	5	6	9	9	10	10	9	8	1	7	5	7	6	8	9	8	5	9	10	7·2
16	6	8	9	3	9	4	7	5	8	4	9	8	5	8	9	9	9	10	9	9	1	8	8	6	5	7	9	9	8	9	10	7·4
17	4	9	8	5	8	5	9	6	9	2	10	5	9	8	8	9	10	10	7	10	2	8	9	5	4	6	9	9	7	8	10	7·4
18	2	8	7	8	9	5	7	4	4	2	10	3	9	5	8	9	9	10	9	10	2	9	9	4	3	5	9	9	5	9	10	6·8
19	2	3	5	8	9	4	8	2	8	5	10	2	8	8	8	10	8	10	9	10	1	7	9	3	3	4	9	8	4	8	10	6·5
20	1	1	4	9	9	2	9	2	4	2	10	1	9	9	6	10	6	10	8	10	0	3	9	3	3	2	8	6	2	4	9	5·5
21	0	2	9	9	10	4	9	1	2	1	10	1	9	9	9	10	5	10	8	9	0	1	10	2	3	1	4	4	1	8	9	5·5
22	4	2	2	8	10	5	9	1	2	1	10	0	9	8	8	10	6	10	8	10	0	0	9	2	2	1	2	3	1	9	7	5·1
23	4	2	3	9	10	7	10	1	3	2	10	0	9	9	8	10	8	10	7	9	0	0	9	3	3	0	2	2	1	8	4	5·3

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

Hour* Ending \ Day.	OCTOBER 1924.																															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.		hrs.
6h																						2	2	3	2	3	3	4	0	0	0	0·3
7	8	50	50	0	0	0	0	0	0	50	37	20	50	0	0	25	1	1	0	60	30	60	45	20	59	59	59	56	29	60	0	13·8
8	18	60	60	55	13	2	29	6	0	60	53	60	60	31	0	45	5	30	0	60	60	60	59	60	60	60	60	60	50	58	4	20·6
9	52	60	60	14	11	0	52	55	0	60	48	60	60	60	10	60	59	45	0	60	60	60	60	55	55	60	60	46	15	50	0	22·5
10	34	60	60	17	32	14	26	55	25	60	28	60	60	58	14	59	60	30	32	60	60	60	60	40	60	60	56	49	0	30	3	22·0
11	32	20	45	50	0	20	11	55	5	60	59	60	60	37	48	60	60	15	10	60	60	44	60	55	59	60	20	50	0	35	0	20·2
Noon	18	10	45	60	41	55	5	45	2	60	42	45	60	17	17	60	60	17	0	60	60	40	60	34	50	60	0	52	31	55	0	19·3
13h	12	0	38	59	16	34	45	22	0	60	17	50	60	54	40	60	50	31	0	52	60	45	60	35	7	37	0	10	30	60	0	17·2
14	27	2	2	60	27	55	55	38	25	60	45	30	50	35	50	50	2	26	16	53	60	35	60	15	5	15	16	50	50	40	0	17·6
15	48	23	2	60	27	60	45	32	30	60	11	5	40	42	58	2	2	0	1	60	60	13	60	28	30	3	32	2	60	25	0	15·3
16	50	42	5	60	13	60	23	46	20	60	0	6	40	38	59	47	4	0	3	22	60	27	26	40	20	0	0	30	60	21	0	14·7
17	59	35	0	60	50	53	20	60	13	60	0	48	20	22	35	8	0	0	5	2	60	60	28	50	0	50	0	1	59	30	0	14·8
18	48	0	0	58	0	50	50	55	0	55	0	55	1	5	21	0	0	0	50	0	60	26	1	60	47	12	15	0	45	40	0	12·6
19																					2	0	0	10	10	5	2	0	10	0	0	0·7

The total amount of registered sunshine was 211·6 hours and the total possible sunshine 387·8 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

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	16·6	2·4	17·2	2·3	16·0	1·7	17·0	1·8	19·2	2·0	20.0	3·1	19·7	2·6	19·0	1·1	Midnight
1h	17·3	2·7	16·6	2·1	16·6	1·7	17·6	1·9	18·7	2·1	19·3	2·3	19·0	1·5	19·1	1·2	1
2	15·9	2·0	16·5	2·8	16·2	1·7	17·0	1·9	18·6	1·3	19·1	2·0	18·6	1·0	19·2	1·4	2
3	15·8	1·9	14·9	2·4	17·1	2·2	15·8	1·4	18·9	1·3	19·8	2·8	18·5	1·4	19·1	1·4	3
4	15·6	1·6	14·4	2·4	16·2	1·5	16·0	1·0	18·9	1·4	18·6	1·6	18·2	1·3	19·6	1·6	4
5	16·2	2·0	13·8	2·5	16·6	1·7	17·2	1·4	19·0	2·8	18·9	1·7	18·9	1·4	18·9	1·2	5
6	15·7	2·3	14·8	3·6	16·7	2·0	17·1	1·3	18·6	2·0	19·0	2·3	18·7	1·4	18·8	1·0	6
7	17·7	3·1	18·0	4·7	18·2	2·4	18·5	1·6	20·0	2·1	18·8	1·7	18·8	1·4	19·2	1·1	7
8	19·3	4·4	20·1	5·2	22·1	5·1	21·2	4·1	21·3	3·3	20·0	2·5	21·3	2·8	21·0	1·8	8
9	21·6	6·3	22·0	6·7	22·6	5·9	23·2	5·7	22·6	4·3	21·5	3·9	22·9	4·0	23·3	4·3	9
10	21·1	6·1	22·5	7·0	24·0	6·7	22·9	5·7	21·5	3·1	22·0	4·3	20·3	1·3	24·2	5·7	10
11	22·0	7·0	21·6	5·7	23·0	5·8	24·3	6·9	22·9	5·1	23·3	5·4	21·1	2·1	24·2	5·1	11
Noon	21·7	6·0	22·4	7·1	22·9	5·9	25·0	7·3	23·4	5·3	23·8	5·9	21·0	1·8	23·9	5·2	Noon
13h	22·1	7·0	22·5	6·0	22·4	4·7	24·9	8·1	23·3	6·0	23·4	4·8	23·9	4·9	24·3	6·0	13h
14	23·2	7·4	22·9	6·2	21·9	4·2	25·0	9·0	24·0	5·8	24·6	6·9	23·3	5·1	24·1	5·6	14
15	22·9	6·7	23·6	6·7	21·7	4·2	24·8	8·3	23·2	5·3	24·0	7·1	23·7	5·4	24·0	5·0	15
16	21·7	6·6	23·4	6·5	21·8	3·8	24·2	7·2	23·2	5·9	23·7	5·7	23·2	4·9	23·9	5·0	16
17	20·5	5·7	21·3	5·6	21·6	4·1	22·9	6·3	22·3	5·1	21·8	4·3	22·0	3·8	22·7	4·2	17
18	19·2	4·5	19·9	4·8	19·8	3·3	21·3	4·6	21·5	4·5	21·0	3·1	21·2	3·1	21·5	3·8	18
19	18·0	3·7	18·2	3·3	19·7	3·2	19·7	3·5	21·2	4·1	19·8	2·1	19·6	2·1	20·5	3·2	19
20	15·7	2·5	17·1	2·6	18·2	2·4	19·1	2·8	21·1	4·0	19·1	2·1	18·6	1·7	19·1	2·1	20
21	16·0	2·5	17·1	2·3	17·9	1·7	18·8	2·5	21·0	3·8	19·3	2·0	19·0	1·5	18·9	2·1	21
22	14·9	1·8	17·1	2·1	18·2	2·1	18·9	2·4	20·8	3·5	20·0	3·0	19·1	1·9	18·4	1·7	22
23	17·0	2·3	17·8	2·2	17·7	1·7	19·7	2·7	20·1	2·8	19·8	2·6	18·6	1·2	18·3	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	17·9	1·4	16·2	0·9	18·0	1·5	19·1	1·2	18·0	2·5	17·0	2·3	18·9	1·9	21·0	1·7	Midnight
1h	17·5	1·4	15·9	1·0	17·0	1·2	19·0	1·3	17·6	2·4	18·3	2·7	18·9	2·8	21·1	1·7	1h
2	17·3	1·3	15·0	0·9	16·9	1·2	18·3	1·2	15·9	1·8	19·0	3·0	18·4	2·3	21·7	1·9	2
3	16·8	1·3	14·6	1·0	16·3	1·0	19·0	1·5	15·2	1·5	18·2	3·2	18·2	2·0	21·7	1·9	3
4	16·2	1·1	14·3	0·8	16·4	1·0	18·7	1·2	13·8	1·6	17·4	2·4	17·1	1·4	21·7	1·9	4
5	15·5	1·0	14·1	0·8	16·3	1·0	18·7	1·5	13·2	1·2	18·7	2·4	18·0	1·8	21·0	1·3	5
6	15·3	0·7	14·5	0·5	16·7	0·9	18·7	1·7	14·0	1·1	18·8	2·3	18·4	1·6	21·0	1·3	6
7	18·0	0·9	19·2	1·5	21·2	1·2	20·0	3·0	19·0	3·3	20·0	4·1	20·0	2·1	22·0	0·6	7
8	20·0	2·1	22·2	3·7	23·8	2·8	21·9	4·0	22·0	5·5	23·1	7·1	21·0	2·1	24·7	2·5	8
9	20·9	2·8	24·0	5·0	25·0	3·8	23·0	5·3	23·0	6·3	24·2	7·3	22·8	4·2	25·0	3·9	9
10	22·9	4·3	25·5	5·8	25·9	4·8	24·3	6·6	23·0	6·6	24·0	6·9	23·5	5·0	25·0	4·0	10
11	23·7	4·8	26·7	7·2	26·7	5·3	25·0	7·3	24·0	7·0	23·2	6·2	24·0	5·8	25·2	4·2	11
Noon	23·2	5·3	27·0	6·9	26·3	5·0	25·3	6·5	24·3	7·3	24·2	7·0	24·0	5·1	26·0	4·5	Noon
13h	24·2	5·9	26·3	6·6	26·7	5·0	24·9	6·5	24·8	7·1	24·0	6·8	24·2	5·3	26·1	4·8	13h
14	24·5	6·3	26·0	6·1	26·4	4·8	24·9	5·9	23·6	6·1	23·3	5·9	24·4	5·4	25·2	4·0	14
15	23·6	5·4	25·8	5·8	25·3	3·3	24·0	6·0	22·9	6·3	23·3	5·9	24·7	5·9	25·7	4·7	15
16	23·3	4·9	25·3	5·2	24·9	3·6	23·0	5·6	22·7	6·5	23·0	6·0	23·7	4·6	25·0	4·0	16
17	23·0	4·6	24·1	4·6	22·7	2·0	22·1	5·3	21·7	5·5	22·2	4·8	23·0	4·9	23·0	2·6	17
18	21·5	3·5	22·9	3·8	21·6	1·1	20·7	4·6	20·9	4·6	21·0	4·0	22·3	3·6	22·6	2·1	18
19	20·0	2·7	20·9	2·7	20·6	1·1	19·8	3·6	20·3	4·2	20·0	3·7	21·2	2·9	21·9	1·8	19
20	18·1	1·9	19·7	2·2	20·1	0·9	19·1	3·1	19·3	3·5	20·0	3·2	20·9	2·5	20·7	0·8	20
21	17·0	1·5	18·8	2·1	19·2	1·1	18·7	2·9	18·6	3·3	19·9	2·9	20·9	2·4	20·6	0·7	21
22	16·1	1·0	17·9	1·6	19·3	1·0	16·9	1·7	18·0	3·1	20·0	2·8	19·9	1·8	21·7	0·9	22
23	16·2	1·0	18·0	1·4	18·9	1·2	17·8	2·3	17·0	3·0	19·2	2·1	20·8	1·9	21·7	0·9	23

TABLE X. (*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*)

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Hour / Day	17d. Air.	17d. Excess of Air over Evap.	18d. Air.	18d. Excess of Air over Evap.	19d. Air.	19d. Excess of Air over Evap.	20d. Air.	20d. Excess of Air over Evap.	21d. Air.	21d. Excess of Air over Evap.	22d. Air.	22d. Excess of Air over Evap.	23d. Air.	23d. Excess of Air over Evap.	24d. Air.	24d. Excess Air over Evap.	Day / Hour
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Midnight	21·7	1·0	21·5	*0·8*	21·2	0·6	19·2	2·7	18·9	1·2	16·7	2·4	16·9	2·2	19·1	1·1	Midnight
1h	21·6	1·0	21·0	*0·7*	21·1	0·5	18·9	2·8	19·0	1·2	15·9	2·1	16·0	1·9	19·2	1·3	1h
2	21·4	1·0	21·7	*0·9*	21·3	0·7	18·8	2·9	18·9	1·2	14·9	1·8	15·2	1·5	19·1	1·4	2
3	21·1	0·8	21·7	*0·9*	21·3	0·6	18·4	3·0	18·9	1·7	13·4	1·3	15·8	2·2	18·9	1·4	3
4	21·2	0·7	21·6	*0·8*	21·2	0·5	18·0	2·9	18·7	1·6	13·1	1·1	15·2	1·9	17·7	1·3	4
5	21·3	0·9	21·7	*0·9*	20·4	0·4	16·1	1·8	18·3	1·3	13·0	1·0	14·0	1·4	17·0	1·0	5
6	21·7	0·9	21·7	*0·9*	20·0	0·8	17·6	3·3	18·9	1·4	14·0	1·2	14·6	1·6	17·1	1·1	6
7	22·1	0·9	22·1	*1·1*	19·9	1·2	19·2	3·7	20·0	1·9	19·2	2·7	18·6	2·6	19·7	1·8	7
8	22·9	1·4	23·5	*1·5*	20·4	1·4	21·3	4·9	22·0	3·4	21·8	4·0	22·3	5·8	22.2	4·1	8
9	24·0	2·3	24·9	*2·2*	20·8	1·9	22·7	5·8	22·5	4·3	23·7	5·7	23·5	6·6	22·8	5·0	9
10	25·4	2·9	25·9	*3·6*	22·7	2·8	24·0	6·3	23·9	5·0	24·3	6·1	24·0	7·1	24·6	6·9	10
11	25·9	3·5	26·5	*4·3*	23·1	3·3	24·9	6·8	24·2	5·2	23·7	6·1	24·2	7·2	24·3	6·3	11
Noon	26·9	4·0	26·4	4·2	22·6	3·3	25·2	7·0	25·0	6·2	24·4	6·7	25·0	7·7	25·2	6·5	Noon
13h	25·7	3·0	26·5	3·9	23·2	3·3	23·9	5·3	24·9	5·8	23·7	5·7	25·0	7·5	23·6	5·1	13h
14	25·4	3·4	26·0	3·8	23·1	3·6	25·0	5·8	25·0	7·0	23·2	5·2	25·0	7·1	24·0	4·8	14
15	25·3	3·4	25·1	3·1	22·6	3·6	24·2	5·1	24·8	7·1	23·1	5·2	24·6	6·5	24·1	5·9	15
16	24·9	3·0	24·2	2·5	22·2	3·5	23·0	4·3	24·0	5·9	23·0	5·0	23·5	5·4	24·0	6·4	16
17	24·1	2·4	23·6	2·1	21·8	3·6	20·2	1·2	22·6	5·4	21·6	4·4	22·6	5·0	23·1	5·4	17
18	23·8	2·3	22·9	1·4	20·6	2·6	19·6	1·3	21·1	4·4	20·4	3·7	22·0	4·3	21·2	4·4	18
19	23·0	1·6	22·4	1·1	20·2	2·4	19·5	1·0	20·0	3·2	19·3	3·3	20·9	3·0	20·0	3·5	19
20	22·6	1·5	22·2	1·1	20·1	2·4	19·3	1·2	19·4	2·7	18·3	2·6	20·0	2·0	18·6	2·5	20
21	22·3	1·3	21·9	1·0	20·1	2·9	19·4	1·2	19·2	2·7	17·5	2·4	19·4	1·4	17·2	1·9	21
22	22·1	1·3	21·5	0·8	19·5	2·6	19·1	1·0	18·4	2·5	17·2	2·2	19·6	1·3	19·2	2·5	22
23	21·9	1·2	21·4	0·8	19·1	2·5	18·9	1·0	17·2	2·0	16·8	2·2	19·6	1·2	18·7	2·1	23

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

Figures in italics are eye observations.

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

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

OCTOBER 1924.

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	877	905	877	910	887	913	885	915	892	906	885	924	911	929	885	915	Midnight
1h	877	905	889	905	890	910	886	934	890	907	895	926	904	910	878	922	1h
2	878	905	874	905	910	924	892	918	900	911	893	917	886	921	889	928	2
3	884	916	882	900	905	911	892	911	896	910	879	931	895	912	879	921	3
4	892	908	883	900	877	915	890	915	893	915	887	920	893	915	884	924	4
5	882	900	873	918	885	906	890	915	891	921	884	916	890	914	889	927	5
6	881	904	872	919	885	906	887	913	892	910	900	935	887	919	900	918	6
7	871	911	873	918	879	909	888	912	881	919	886	921	900	935	904	906	7
8	866	913	866	923	885	923	886	921	880	930	885	923	878	932	885	937	8
9	871	929	877	923	887	934	883	943	891	942	885	924	900	939	900	942	9
10	857	917	892	919	900	938	900	933	885	938	900	965	909	942	900	954	10
11	865	935	881	928	875	925	910	947	909	942	878	953	910	947	910	951	11
Noon	851	933	886	922	876	924	907	934	889	956	900	953	894	927	884	940	Noon
13h	846	936	900	870	878	868	900	949	910	948	868	948	878	952	900	947	13h
14	859	927	921	868	887	867	893	932	900	945	900	951	891	945	900	948	14
15	859	917	904	882	890	876	886	935	879	950	900	960	888	957	900	952	15
16	851	933	922	900	896	879	887	932	891	946	900	954	900	946	900	945	16
17	854	930	891	921	891	887	879	931	879	952	870	945	882	943	891	943	17
18	867	913	868	922	890	923	880	920	889	928	880	930	884	939	891	946	18
19	880	908	876	916	888	919	887	913	879	932	883	917	893	917	895	926	19
20	893	901	879	914	887	913	892	908	890	924	875	925	895	912	896	918	20
21	888	902	879	914	886	914	892	908	878	933	891	922	891	921	890	923	21
22	880	904	881	919	889	916	890	910	885	915	878	922	889	916	892	920	22
23	875	910	891	909	889	917	875	925	890	924	880	920	888	919	892	920	23

Day. / Hour.	9d.		10d.		11d.		12d.		13d.		14d.		15d.		16d.		Day. / Hour.
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E	N.	E.	N.	E.	
Midnight	893	916	890	914	908	892	887	900	870	920	890	910	895	924	900	922	Midnight
1h	894	914	894	908	912	888	885	903	876	916	878	922	892	938	905	924	1h
2	892	920	894	908	915	885	888	905	879	914	889	927	893	934	900	922	2
3	894	914	889	917	913	887	889	905	885	910	893	915	895	922	905	925	3
4	895	912	893	909	914	886	886	910	888	909	886	921	895	926	900	917	4
5	894	914	890	915	918	882	891	904	885	910	886	922	893	932	904	918	5
6	893	917	889	917	910	890	880	908	885	915	885	924	896	920	903	916	6
7	891	922	893	910	905	895	872	906	887	913	894	931	900	926	907	936	7
8	891	913	890	914	913	887	871	906	876	936	900	946	900	925	911	927	8
9	892	908	917	900	923	865	875	910	858	942	890	943	908	940	916	924	9
10	900	919	931	900	922	868	878	914	876	958	887	962	910	947	917	943	10
11	910	925	932	878	921	869	885	915	879	951	887	963	910	948	919	946	11
Noon	904	920	942	883	921	850	882	927	876	957	911	954	911	954	917	943	Noon
13h	905	925	947	868	909	857	900	927	888	961	900	956	918	943	926	940	13h
14	911	927	938	875	908	862	918	918	887	965	900	955	910	951	917	941	14
15	905	922	925	875	922	878	883	941	875	959	900	961	919	946	917	941	15
16	908	920	934	886	906	885	852	932	878	953	889	952	918	944	922	932	16
17	907	916	931	879	904	918	835	943	891	945	889	956	909	945	900	935	17
18	907	916	919	888	875	900	854	931	883	942	892	939	910	948	900	918	18
19	902	906	910	893	890	892	872	928	879	931	893	932	908	937	913	920	19
20	894	915	907	896	882	900	864	924	883	925	893	934	900	928	907	909	20
21	894	913	906	894	883	903	876	915	880	920	894	931	900	927	885	903	21
22	893	915	904	896	887	903	885	910	885	915	889	928	900	926	917	926	22
23	897	906	908	892	895	911	878	914	888	912	900	946	900	930	915	924	23

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

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

OCTOBER 1924.

Hour. / Day.	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	910	924	902	906	899	906	855	918	879	921	886	914	876	915	887	913	Midnight
1h	903	906	904	910	898	908	853	919	880	920	889	911	878	914	885	915	1h
2	904	918	906	913	898	908	867	913	890	908	892	908	876	916	887	913	2
3	903	917	912	919	899	907	868	900	887	913	892	908	876	916	887	913	3
4	900	925	913	913	897	913	888	900	878	909	892	908	882	912	888	912	4
5	900	923	909	909	911	884	878	900	887	906	881	919	883	917	885	915	5
6	900	924	907	907	885	924	874	900	892	906	881	913	885	915	891	909	6
7	908	937	907	907	874	926	881	896	879	921	871	911	889	911	889	917	7
8	910	925	913	913	874	905	857	929	879	931	863	925	904	910	890	925	8
9	922	952	943	900	875	925	865	935	871	944	871	929	900	926	887	920	9
10	915	938	931	900	850	933	860	916	872	942	869	931	891	946	887	919	10
11	933	949	938	892	864	936	864	936	857	943	859	917	908	940	881	919	11
Noon	937	925	946	900	854	931	859	928	854	946	886	936	893	935	873	918	Noon
13h	919	946	950	900	863	937	860	940	850	950	883	941	900	933	886	866	13h
14	929	929	956	900	848	952	858	942	830	947	867	950	885	938	908	863	14
15	943	929	943	909	861	939	849	934	848	934	860	940	895	926	882	912	15
16	936	924	958	924	858	942	864	936	864	954	866	934	873	873	866	914	16
17	922	922	925	905	854	931	890	923	854	946	865	952	871	871	854	931	17
18	921	921	923	923	862	938	889	917	867	933	869	931	891	893	873	927	18
19	911	917	921	914	866	934	887	919	874	917	873	927	890	904	875	925	19
20	906	915	913	913	860	940	880	920	871	929	882	918	890	925	891	909	20
21	906	913	907	909	865	935	876	924	874	917	881	919	887	920	889	911	21
22	905	911	898	911	879	914	884	940	884	911	878	922	896	904	869	912	22
23	904	910	899	907	848	935	879	921	868	921	876	916	892	908	874	900	23

Hour. / Day.	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	879	900	881	904	885	910	889	911	896	910	892	908	889	911	888	912	Midnight
1h	884	900	886	903	880	913	887	913	885	915	893	907	883	917	888	913	1h
2	883	907	884	903	880	913	886	914	887	913	889	911	894	906	890	913	2
3	886	906	878	900	880	913	888	912	887	913	884	916	888	912	890	912	3
4	876	910	889	900	879	914	887	913	887	913	889	911	882	918	890	912	4
5	878	909	889	900	903	913	889	911	892	908	888	912	881	919	890	912	5
6	882	908	876	905	903	914	885	915	892	908	882	918	883	917	889	913	6
7	875	917	878	905	900	911	892	908	893	907	885	915	877	935	888	916	7
8	874	926	866	913	882	918	895	912	892	892	879	909	875	937	885	921	8
9	878	922	864	914	900	919	896	910	896	921	890	907	868	947	890	925	9
10	870	912	870	912	897	914	900	909	889	927	880	900	881	947	891	928	10
11	900	864	882	918	904	879	925	900	904	881	904	879	868	948	896	923	11
Noon	900	882	868	922	900	880	931	912	893	883	900	866	865	953	894	922	Noon
13h	900	882	881	919	893	884	890	877	919	872	891	856	888	957	895	918	13h
14	890	925	913	933	880	880	895	875	926	874	900	853	868	948	897	919	14
15	900	925	910	925	893	904	918	882	924	885	889	874	900	963	896	924	15
16	909	922	856	929	885	910	900	877	913	881	905	875	878	953	893	922	16
17	876	936	855	930	887	906	903	892	920	892	900	874	883	941	886	924	17
18	863	915	867	922	885	906	903	892	915	915	900	885	883	943	887	921	18
19	875	905	873	918	882	900	905	888	908	908	877	910	888	931	889	916	19
20	886	903	865	923	888	900	907	884	888	919	874	911	889	927	888	916	20
21	880	904	865	923	879	900	908	881	885	915	881	912	889	927	887	915	21
22	880	904	877	915	887	900	887	913	889	916	881	929	888	930	888	915	22
23	877	905	861	916	881	900	894	913	890	915	889	911	890	924	887	916	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during OCTOBER 1924.

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 1924.

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	1	2·4	2	2·5	4	1·8	4	2·2	3	1·0	5	2·8	10	3·1	4	2·1	6	1·8	5	1·7	20	1·1	0	1·3	3	3·6	4	1·4	7	2·5	8	2·2
1h	1	2·4	2	1·2	4	1·4	6	3·7	3	1·2	7	2·7	10	1·1	4	3·2	6	1·5	5	1·0	20	1·7	1	1·5	3	2·9	4	3·1	7	3·9	9	2·5
2	1	2·3	1	2·7	10	2·6	6	2·0	8	1·1	6	1·9	5	2·5	6	3·0	6	2·2	5	1·0	20	2·1	2	1·3	3	2·5	6	2·9	7	3·5	8	2·2
3	4	2·3	0	1·8	10	1·2	5	1·4	6	1·1	5	3·7	6	1·3	4	3·0	6	1·5	5	2·0	20	1·8	2	1·2	3	1·8	6	1·7	7	2·3	9	2·6
4	4	1·1	0	1·7	3	2·7	5	1·8	6	1·7	5	2·4	6	1·7	5	2·9	6	1·3	5	1·1	20	2·0	3	1·7	3	1·5	5	2·5	7	2·7	8	1·7
5	0	1·8	3	3·3	2	1·6	5	1·8	6	2·3	4	2·3	5	1·7	6	2·9	6	1·5	5	1·8	20	2·6	2	1·0	3	1·8	5	2·6	7	3·3	9	1·8
6	1	1·9	3	3·4	2	1·6	4	1·8	5	1·3	8	3·5	5	2·3	8	1·8	6	1·9	5	2·0	20	1·4	2	2·2	4	2·1	5	2·8	7	2·0	9	1·6
7	2	3·1	3	3·3	2	2·3	4	1·7	4	2·7	5	2·5	8	3·5	11	0·7	6	2·4	5	1·2	20	0·7	1	2·9	4	1·9	7	3·2	8	2·6	9	3·7
8	2	3·6	3	4·1	5	2·7	5	2·5	5	3·6	5	2·7	5	3·9	6	4·0	5	1·6	5	1·7	20	1·9	1	3·0	5	4·3	8	4·6	8	2·5	10	2·9
9	4	4·1	4	3·3	6	3·6	6	4·6	7	4·3	5	2·8	8	3·9	8	4·2	4	1·1	d16	1·7	21	4·2	2	2·7	4	6·0	7	4·9	9	4·1	11	2·9
10	2	4·6	6	2·1	8	3·8	8	3·3	6	4·1	8	6·5	9	4·3	8	5·4	8	1·9	16	3·1	21	3·9	3	2·6	6	6·3	7	6·3	9	4·8	10	4·6
11	4	5·0	5	3·4	4	3·6	9	4·8	9	4·3	6	5·8	9	4·8	9	5·2	10	2·7	19	3·9	21	3·7	4	2·1	6	5·5	7	6·4	9	4·9	10	5·0
Noon	3	5·9	5	2·6	4	3·4	9	3·5	7	5·7	8	5·3	7	2·8	6	4·3	9	2·0	18	4·5	22	5·4	5	3·3	6	6·2	9	5·5	9	5·4	10	4·6
13h	3	6·5	24	3·0	r27	3·9	8	4·9	9	4·9	5	5·8	6	5·7	8	4·7	9	2·6	19	5·7	23	4·4	8	2·7	7	6·2	8	5·6	10	4·7	11	4·8
14	3	4·9	21	3·8	26	3·5	7	3·3	8	4·5	8	5·1	7	4·6	8	4·8	10	2·9	19	4·6	23	3·9	12	2·5	7	6·6	8	5·5	9	5·2	10	4·4
15	2	4·4	23	1·8	26	2·6	6	3·8	6	5·4	8	6·0	7	5·8	8	5·2	9	2·3	20	3·5	20	3·1	6	4·4	6	6·4	8	6·1	10	5·0	10	4·4
16	3	5·9	16	2·2	25	2·1	6	3·4	7	4·7	8	5·4	8	4·6	8	4·5	10	2·2	18	3·7	22	1·6	3	5·8	6	5·8	7	5·3	10	4·8	11	3·9
17	3	5·5	r6	2·3	27	1·6	5	3·7	6	5·6	5	5·4	6	4·7	7	4·4	10	1·8	19	3·7	r9	1·8	3	7·8	7	4·6	7	5·7	9	4·6	8	3·5
18	2	3·5	3	3·9	d6	2·5	4	2·9	6	3·0	5	3·6	6	4·2	7	4·7	10	1·8	19	2·2	0	2·5	3	5·6	6	4·5	7	4·0	9	4·9	8	1·8
19	2	2·2	3	2·9	5	2·2	4	1·8	5	3·8	4	2·4	6	1·9	7	2·7	10	0·6	19	1·2	r29	1·3	4	4·0	5	3·7	7	3·3	9	3·8	11	2·4
20	1	0·7	3	2·5	4	1·8	4	1·2	6	2·6	4	3·5	6	1·3	7	1·8	6	1·6	19	0·8	0	1·8	3	4·3	5	3·0	7	3·5	8	2·8	11	1·1
21	1	1·2	3	2·5	4	2·0	4	1·1	5	4·0	6	2·4	6	2·3	6	2·5	6	1·4	20	0·9	1	1·7	3	2·8	4	2·9	7	3·2	8	2·7	1	1·5
22	1	2·0	4	2·7	5	1·9	4	1·4	4	2·1	4	3·2	5	1·9	6	2·2	6	1·7	20	0·6	1	1·3	3	1·8	4	2·2	6	3·0	8	2·6	11	3·1
23	2	2·7	4	1·3	5	2·0	4	3·5	6	2·6	4	2·9	5	2·2	6	2·2	6	0·7	20	1·1	6	1·2	3	2·6	4	1·7	8	4·6	8	3·0	11	2·8

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.	Vel.	Velocity
Midnight	10	2·6	10	0·6	7	0·6	2	4·9	4	3·0	4	2·0	3	2·8	4	1·9	0	2·1	1	1·9	3	1·8	4	1·6	6	1·1	4	1·1	4	1·5	2·0
1h	10	0·7	10	1·1	7	0·8	2	5·1	4	2·8	4	1·6	3	2·6	4	2·2	0	1·6	1	1·4	3	2·4	4	1·8	4	2·2	4	1·0	4	2·4	2·1
2	9	1·8	10	1·4	7	0·8	2	3·5	3	1·3	4	1·1	3	2·9	4	1·8	2	1·9	1	1·6	3	2·4	4	2·0	4	1·8	4	1·6	4	0·8	2·0
3	9	1·7	11	2·2	7	0·7	0	3·2	4	1·9	4	1·1	3	2·9	4	1·9	2	1·5	0	2·2	3	2·4	4	1·7	4	1·8	4	2·3	4	1·7	1·9
4	8	2·5	12	1·9	7	1·3	0	1·2	2	2·4	4	1·2	3	2·1	4	1·7	2	2·6	0	1·1	3	2·5	4	1·8	4	1·8	4	1·6	4	2·5	1·9
5	8	2·3	12	1·3	21	1·9	0	2·2	2	1·4	4	2·7	4	2·4	4	2·1	2	2·4	0	1·1	9	1·3	4	1·5	4	1·2	4	1·7	4	2·7	2·0
6	8	2·4	12	1·0	d5	2·8	0	2·6	3	1·0	3	2·3	4	2·2	4	1·3	2	2·0	1	2·5	9	1·4	4	2·2	4	1·1	4	2·6	4	2·4	2·0
7	9	3·8	12	1·0	4	3·7	31	1·9	4	3·0	2	3·1	4	1·6	5	2·0	3	3·0	1	2·3	8	1·1	4	1·2	4	1·0	4	2·1	5	4·2	2·4
8	10	2·7	12	1·8	1	2·7	3	5·2	5	3·7	3	4·5	10	1·1	6	2·7	4	3·7	2	3·6	4	2·5	6	1·3	r28	1·1	2	2·3	5	4·5	3·0
9	10	5·7	16	4·3	4	3·5	4	5·0	5	5·3	4	4·2	8	2·6	5	2·4	4	3·1	2	3·9	8	1·9	6	1·1	7	2·2	3	1·2	5	5·7	3·6
10	10	4·1	16	3·1	3	6·0	2	4·3	5	5·1	4	4·4	7	4·7	5	2·3	2	3·2	2	3·2	7	1·4	8	0·9	6	2·9	0	2·0	6	5·1	3·9
11	11	5·9	17	3·9	4	5·2	4	5·2	4	6·1	2	4·4	9	4·1	4	2·7	r24	3·6	4	2·6	d23	2·2	d16	2·5	r23	1·9	r23	2·1	5	5·8	4·2
Noon	13	4·5	16	4·6	3	5·6	3	5·0	4	6·5	6	3·9	7	3·6	3	3·2	24	1·8	3	3·9	24	2·0	14	3·3	26	1·9	24	3·4	5	6·4	4·2
13h	10	5·0	16	5·0	4	5·3	4	5·7	4	7·1	6	4·4	8	3·3	r26	3·7	24	1·8	4	2·7	26	1·8	r26	2·5	21	3·4	25	4·5	7	5·8	4·4
14	12	4·1	16	5·6	4	7·4	4	6·0	3	8·4	5	6·0	6	4·1	23	3·8	d6	2·7	10	3·5	28	2·9	25	2·6	20	3·7	24	4·7	5	5·8	4·6
15	13	5·2	15	4·4	4	5·6	3	6·1	3	6·2	4	5·7	7	2·7	d3	2·1	8	2·5	10	2·7	d3	0·8	20	2·6	19	2·8	26	2·8	8	6·3	4·1
16	13	4·3	14	6·3	4	6·0	4	5·1	5	6·5	4	4·9	r28	3·9	2	3·7	10	2·4	3	5·3	3	1·8	24	2·3	21	2·3	23	2·6	6	5·8	4·2
17	12	3·2	15	2·6	3	5·6	6	2·5	4	6·6	5	6·3	28	4·2	3	5·6	5	4·3	3	5·4	2	1·4	22	0·9	18	2·2	24	2·6	6	4·4	4·0
18	12	3·0	12	3·3	4	5·4	5	2·0	4	4·7	4	4·4	29	1·0	4	3·9	2	4·0	3	4·0	2	1·6	22	0·9	12	2·2	24	1·5	6	4·6	3·3
19	11	2·0	13	2·5	4	4·8	5	2·3	3	3·1	4	3·8	d2	1·1	4	3·6	1	2·6	3	3·2	0	1·8	22	1·3	12	1·1	d2	2·5	6	3·3	2·6
20	10	1·6	12	1·9	4	5·7	4	2·8	4	4·2	4	2·6	6	2·7	4	1·3	1	1·4	3	4·2	0	1·2	22	1·8	r5	2·2	2	2·8	6	2·9	2·4
21	10	1·5	11	1·1	4	5·0	4	3·4	3	3·1	4	2·7	5	2·4	4	1·5	1	2·0	3	4·2	0	2·1	22	2·1	4	2·2	3	2·2	6	2·9	2·4
22	10	1·2	7	1·1	3	2·5	6	4·3	3	1·9	4	3·1	4	0·6	2	3·3	1	2·0	3	2·7	0	1·3	4	1.8	5	1·9	5	3·5	6	3·2	2·2
23	10	1·1	7	0·7	3	6·3	4	3·0	3	3·8	3	2·9	4	1·2	0	2·6	1	2·4	2	4·2	0	1·9	6	1·4	5	1·8	4	1·5	6	2·6	2·4

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for OCTOBER 1924.

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of OCTOBER 1924.

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	3·23	82·0	61·7	7
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	3·62	92·0	49·3	6
	9	Beau Séjour	300	2·82	71·6	65·0	13
	10	Mont Piton	360	2·87	72·9	67·6	10
	11	Mon Choix	700	2·35	59·7	63·2	7
	12	Antoinette	640	4.63	117·6	64·3	13
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	4·48	113·8	94·0	12
	15	Mon Songe	620	2·88	73·2	70·9	8
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	3·96	100·6	54·6	9
	19	The Observatory ...	179	3·23	82·1	32·5	13
	20	Solitude	175	2 82	71·6	23·1	4
	21	St. Andre	90	3·80	96·5	29·7	5
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trébuchet)*	165	3.55	90·2	...	5
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station* ...	44	0·50	12·7	...	1
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station§ ...	137	...	...	...	...
	48	Mapou Station* ...	296	2·56	65·0	...	3
	49	Poudre d'Or Station* ...	172	3·54	90·0		5
	50	Rivière du Rempart* ...	134	2·84	72·0		2
2 & 3	1	Union Régnard S.E. ...	600	3·25	82·5	61·2	11
	2	Constance d'Arifat L.G.	100	1·76	44·7	47·5	5
	3	St. Julien Church§ ...	1,050	...	...	...	...
	4	Riche Fund§	600	...	...	...	...
	5	Constance (Manès)§ ...	...	...	...	...	...
	6	Queen Victoria§ ...	...	...	...	...	...
	7	Belle Mare§	...	...	...	...	...
	8	Bel Etang (Lesur)* ...	...	15·15	384·8	...	8
	9	Belle Vue (Allendy)* ...	...	3·53	89·7	...	5
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci	900	10·93	277·6	134·6	17
	2	Etoile	400	3·69	93·7	97·0	6
	3	Beau Champ	20	5·09	129·3	45·5	8
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	8·74	222·0	89·7	12
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	15·15	395·0	...	21
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau	460	11·37	288.8	84·3	10
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon	60	2·91	73·9	50·5	12
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	10·09	256·3	...	12
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	16·18	411·0	64·8	18
	2	Tivoli*	1,300	13.62	345·9	...	15
	3	La Flora*	1,050	7·17	182·1	...	17
	4	Britannia§	730	...	...	...	...
	5	Savannah (Mill) ...	200	4·85	123·2	68·8	7
	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.*	...	3·82	97·0	...	8
	15	Fontenelle*	...	5·20	132·1	...	6
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	2·50	63·5	45·2	8
	3	Beau Champ*	...	2·78	70·6	..	5
	4	Board*	...	2·87	72·9	...	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	8·35	212·1	113·3	17
	3	Mare aux Vacoas ...	1,850	8·80	223·5	126·7	14
	4	La Marie Filter Bed ...	1,700	11·12	282·4	96·8	20
	5	Réunion	1,420	4·86	123·4	78·0	10
12	1	The Mause	850	2 55	64·8	41·1	12
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	3·12	79·0	42.7	24
	4	Alma§	1,460	...	...	...	...
	5	Bagatelle§	1,250	...	...	63·8	...
	6	Highlands*	1,300	3·88	98·5	...	9
	7	Trianon	950	2·79	70·9	46·2	7
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	2·74	69·6	..	10
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	3·61	91·7	54·6	15
	12	Ebène§	...	...	...	...	...
	13	Mon Rêve§	...	...	...	...	..
	14	Bassin§	...	...	...	...	...
	15	Hermitage§	...	...	...	...	...
	16	Côte d'Or*	...	4·18	106·2	...	9
	17	Mon Repos§	..	...	...	...	...
13	1	The Albion Dock§ ...	18	...	...	...	...
	2	Institute	...	1·91	48·5	...	3

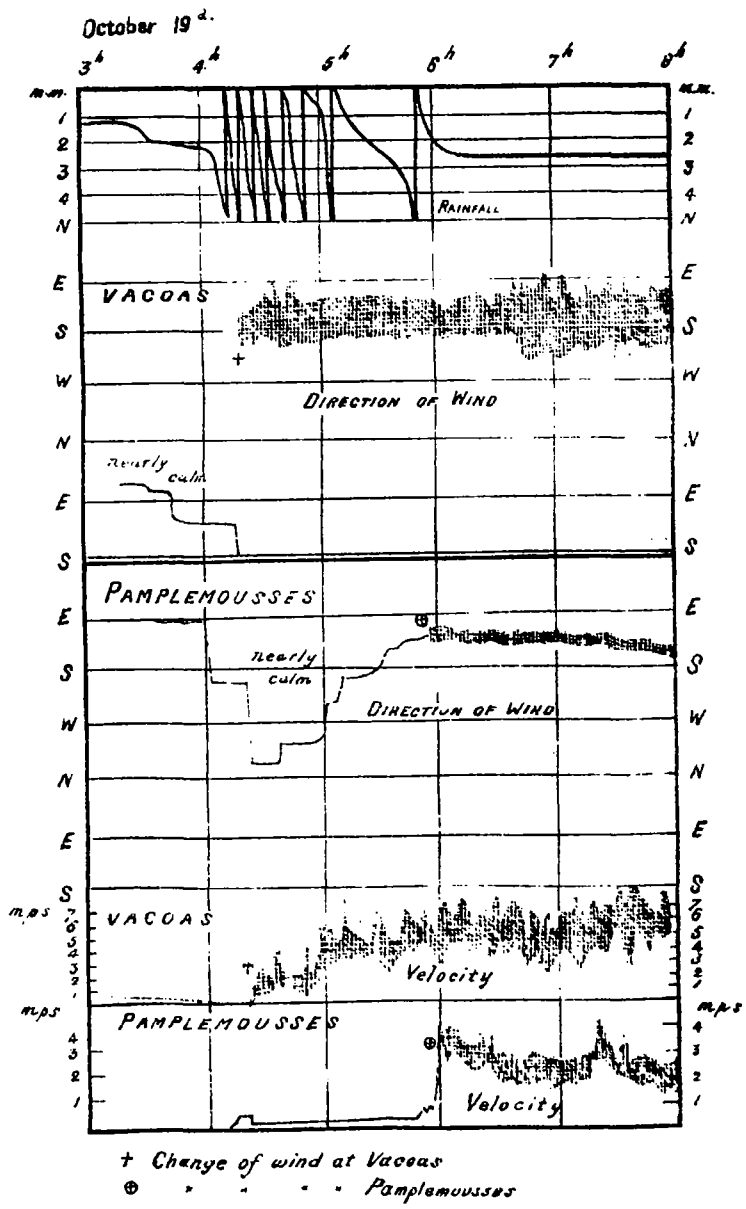
* Normals not available § Record not Received

THE WEATHER OF THE 15TH TO 19TH OF OCTOBER.

The rainfall of the 19th of October which is shewn in the diagram below is of special interest, as it evidently takes its origin in the adiabatic cooling of a stratum of air without the disturbing effect of orographic conditions or cyclonic depression.

As stated in the weather note on page 150 the rise of temperature, with variable and light northerly winds, from the 15th to the 18th appears to have been due to the establishment of the equatorial calm belt over Mauritius at an unusually early epoch of the year, and on the resumption of the cool southerly winds on the 19th this warm zone was undercut and forced to rise with consequent cooling. From the sequence of weather at Vacoas and Pamplemousses it will be seen that (1) the wind changes were sudden both in direction and velocity at both stations (2) the difference in the time of occurrence at the two stations amounted to $1^h 40^m$ (3) the heavy precipitation ceased as the belt of southerly winds struck the northern station (a continuous record of rain is not available from Vacoas) (4) the fall of temperature, although not marked at the time of change of wind in the early morning hours, amounted to 2.9C in the mean of the day temperatures between the 18th & 19th. (5) There were no correlated changes in pressure.

The station at Vacoas is 410 metres above sea-level and 23 kilometres almost due South of the Pamplemousses Station.



NEW SERIES (MONTHLY). VOL. X. 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 1924

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 NOVEMBER 1924

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)
Nov	° ′					
1	11· 1·7	·22932	·29904	9·6	32	27
2	11· 1·9	926	909	7·8	44	17
3	11. 1·6	927	903	8·8	39	25
4	11· 1·4	928	904	8·4	28	19
5	11. 1·9	931	901	4·5	29	10
6	11. 1·5	940	899	6·3	36	15
7	11. 1·4	923	901	6·7	30	13
8	11. 2·0	932	901	3·9	21	14
9	11. 2·3	937	899	7·0	39	22
10	11. 2·5	924	894	9·7	24	38
11	11. 2·5	921	901	5·9	28	21
12	11. 1·9	921	897	7·4	17	20
13	11. 2·0	927	898	6·3	32	17
14	11. 1·9	921	901	6·7	28	12
15	11. 2·0	925	900	8·3	24	15
16	11. 2·1	925	900	8·3	18	14
17	11. 1·8	925	900	8·7	19	20
18	11. 2·0	932	898	9·1	20	23
19	11. 1·6	922	900	11·3	76	29
20	11· 2·2	920	902	8·0	29	19
21	11. 3·4	928	906	5·0	37	8
22	11. 3·0	924	908	6·0	39	15
23	11. 2·9	936	905	6·5	49	25
24	11. 3·8	907	910	5·5	140	30
25	11· 2·7	893	920	5·0	83	7
26	11. 2·8	914	914	9·0	29	21
27	11. 3·9	927	914	11·3	22	24
28	11. 3·1	936	907	10·0	46	24
29	11. 4·3	924	912	7·0	31	17
30	11. 3·9	925	912	7·0	22	20
Mean	11· 2·40	·22925	·29904	7·53	37·0	19·4

T=0·37680 : Mean Dip.=θ=52°.31′·54. (X=·22501 : Y=—·04390 : Z=·29904).

† 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.

NOVEMBER 1924.

1^d 4^h 10^m	Sudden decrease of H.F. (25γ); in V.F. sharp pointed wave (—10γ).
9^d 11^h 10^m	Sudden increase of H.F. (15γ), followed by small oscillations and decrease 16^h10^m to 18^h (20γ). In V.F. $9^d11^h10^m$ sudden increase (2γ).
14^d 2^h to 5^h	Undulations in H.F. (±5γ) in V.F. slight.
19^d 13^h 55^m	Sudden increase in H.F. (20γ): 16^h30^m to 18^h30^m gradual decrease in H.F. (92γ); small undulations followed till $20^d4^h\frac{1}{2}$. In V.F. $19^d13^h55^m$ increase of force (5γ); 15^h to 19^h gradual increase of Force (30γ).
24^d 11^h to 19^h 30^m	Gradual decrease of H.F. (152γ) followed by wave 19^h30^m to 21^h (+22γ). 25^d0^h to 11^h increase of H.F. (90γ) with two consecutive superposed positive waves 1^h to 3^h (15γ), 3^h to 4^h (20γ). In Dec. waves $24^d19^h30^m$ to 21^h(+4′), $25^d1^h\frac{1}{4}$ to $1^h\frac{3}{4}$ (+2′), 25^d3^h to 4^h(—5^h) In V.F. 24^d11^h to 19^h30^m gradual increase of Force (25γ), followed by wave 19^h30^m to 20^h30^m (+8γ) and 25^d3^h to 4^h (—8γ)
26^d $23^h\frac{1}{2}$ to 27^d 2^h	Series of irregular undulations in H.F. (±10γ) in V.F. (±2γ): $6^h\frac{3}{4}$ to $7^h\frac{3}{4}$ wave in H.F. (—15γ).
28^d 5^h 20^m	Sudden increase in H.F. (10γ): 8^h to 15^h long shallow positive wave (40γ): $19^h\frac{3}{4}$ to 20^h sharp pointed positive wave (20γ). In V.F. $19^h\frac{3}{4}$ to $20^h\frac{1}{4}$ double wave (±5γ) the positive movement very sharp.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of NOVEMBER 1924

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 10. 9. 0	11. 4·21						...	...	...
10.13.55	10.57·32	Nov. 5. 8.26	·22924	Nov. 7. 8.59	52.31·56	·29910	Nov. 7·13.37	52.31 94	.29899
14. 8.50	11· 3·33	5.13.30	·22966	14. 9. 9	52.31·90	·29901	14.13.50	52.30·59	·29893
14.14. 2	10.58·16	12. 9.15	·22947	21. 9. 3	52.32·31	·29943	21.13.50	52·31·19	·29915
21. 8.50	11. 5·15	21.11.25	·22946	28·10·37	52·28·19	·29889	28.13.38	52.27.69	·29887
22.13.24	11. 2·16	21.13·19	·22940						
28.10.54	11. 2·14	29· 9.15	·22922						
		29.13.20	·22918						

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

NOVEMBER 1924.

Hour. \ Day.	1d.	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Day. \ Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	61·7	61·0	61·9	62·3	62·2	62·3	62·4	62·2	62·2	62·8	62·3	62·1	62·3	62·2	62·4	62·9	Midnight
1h	61·8	60·7	61·5	62·2	62·3	62·3	62·6	62·5	62·3	63·1	62·3	62·2	62·5	62·2	62·4	62·7	1h
2	62·0	62·2	61·3	62·0	62·1	62·3	62·5	62·5	62·6	63·1	62·4	62·3	62·7	62·3	62·3	62·8	2
3	62·8	62·3	61·7	61·9	62·0	62·3	62·7	62·4	63·0	63·4	62·8	62·4	63·4	62·1	62·3	62·4	3
4	63·2	62·3	61·0	61·9	62·0	62·3	62·6	62·5	63·2	63·6	62·9	63·1	64·3	62·2	62·3	62·7	4
5	62·4	62·5	62·0	62·0	62·2	62·5	63·0	62·6	63·2	64·1	63·1	63·2	64·0	62·9	62·9	62·7	5
6	63·5	62·0	62·0	61·8	62·7	63·3	63·4	63·0	64·0	65·3	64·0	63·3	64·1	63·5	63·7	63·3	6
7	65·2	64·0	64·0	63·0	64·4	64·1	64·1	64·1	65·5	67·9	64·3	64·5	64·5	64·9	65·2	64·4	7
8	65·8	65·7	65·3	64·0	64·0	64·1	63·2	64·0	65·7	66·6	65·9	65·3	64·3	64·7	65·7	65·2	8
9	65·8	65·7	65·8	64·7	62·5	62·3	62·2	62·1	64·1	65·9	65·4	64·1	62·5	63·2	64·5	65·5	9
10	65·2	64·8	64·7	63·0	61·5	60·5	60·6	61·5	61·8	62·3	64·1	62·2	61·2	62·2	63·7	65·2	10
11	63·8	63·5	63·0	60·7	61·5	60·3	59·7	60·2	60·0	60·3	63·1	60·9	60·3	60·9	62·4	63·7	11
Noon	62·0	61·5	60·2	58·2	61·0	59·8	59·1	60·7	58·7	59·9	61·3	59·1	59·2	59·3	60·3	61·4	Noon
13h	58·7	59·0	58·3	57·0	60·2	58·3	58·2	60·2	58·8	58·3	60·0	57·9	58·2	58·4	58·0	58·2	13h
14	57·0	57·9	57·0	56·3	59·9	57·8	57.4	60·5	60·3	58·2	60·0	58·0	58·2	58·2	57·4	57·2	14
15	56·2	58·0	57·1	58·0	59·9	58·1	57·9	61·0	61·5	58·8	60·3	59·1	59·5	59·2	57·7	57·5	15
16	57·3	59·3	58·5	60·0	60·5	59·8	59·4	61·8	62·2	60·0	61·1	60·4	60·2	60·2	59·2	58·7	16
17	59·5	61·0	60·7	61·9	61·7	60·8	61·1	62·2	63·0	62·1	62·3	62·6	62·0	62·2	61·2	61·2	17
18	60·8	61·5	61·7	62·0	61·8	61·6	61·4	62·1	62·5	62·7	62·1	62·4	62·4	62·7	61·7	61·9	18
19	61·3	61·7	61·9	61·9	62·0	61·8	61·9	62·1	62·2	62·4	62·1	62·3	62·8	62·5	62·2	62·3	19
20	61·5	62·0	62·0	62·0	62·1	61·9	62·1	62·2	62·1	62·3	62·1	62·2	63·5	62·4	62·2	62·3	20
21	61·5	62·2	62·0	62·1	62·1	62·0	62·2	62·0	62·1	62·2	62·1	62·2	62·3	62·4	62·2	62·2	21
22	61·5	61·8	62·0	62·1	62·1	62·0	62·3	62·0	62·0	62·5	62·1	62·2	62·2	62·3	62·3	62·2	22
23	61·4	61·8	62·2	62·3	62·2	62·1	62·3	62·2	62·7	62·3	62·3	62·3	62·2	62·3	62·8	62·2	23

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. \ Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′		′	
Midnight	62·1	62·3	62·9	62·8	63·5	63·7	63·2	63·5	64·5	63·5	63·0	63·2	63·3	63·8	...	62.7	Midnight
1h	62·0	62·2	62·9	63·0	63·5	63·5	63·3	63·3	64·2	63·6	63·8	63·5	63·3	63·8	...	62·7	1h
2	62·2	62·3	63·0	62·9	63·7	63·7	63·1	63·5	63·1	64·0	64·2	63·9	63·8	63·9	...	62·8	2
3	62·5	62·5	63·0	62·9	64·0	63·8	63·3	63·9	59·0	64·0	64·5	64·0	64·2	64·0	...	62·8	3
4	62·5	62·5	63·0	63·3	64·0	64·0	63·3	64·0	62·0	64·0	65·5	64·3	64·5	64·0	...	63·1	4
5	62·7	62·8	63·0	63·7	64·0	64·5	63·7	64·1	62·7	64·0	66·1	65·0	64·7	64·2	...	63·3	5
6	63·3	63·9	63·3	64·2	64·5	65·0	64·0	65·0	64·2	65·2	67·0	66·0	65·5	65·9	...	64·0	6
7	64·5	65·3	65·0	66·0	66·0	66·0	66·0	66·8	65·0	66·5	68·5	68·0	66·7	67·5	...	65.4	7
8	65·7	66·1	66·0	65·9	65·9	66·0	66·5	66·2	64·0	67·5	70·0	66·2	68·0	68·0	...	65·7	8
9	65·0	65·9	66·0	64·0	65·3	65·0	66·0	64·0	62·3	65·0	68·0	64·1	68·0	67·0	...	64·7	9
10	64·0	64·0	64·1	62·2	64·0	64·0	63·5	63·0	61·5	62·1	65·8	63·5	67·0	65·3	...	63·3	10
11	61·8	62·0	62·0	61·0	63·5	63·0	62·0	61·5	61·0	60·2	63·0	62·0	65·0	64·5	...	61·9	11
Noon	60·0	59·0	59·0	59·5	62·5	62·0	61·8	60·7	60·0	59·0	60·7	60·0	63·0	62·5	...	60·4	Noon
13h	58·0	57·8	58·1	58·2	61·5	60·1	60·2	60·3	60·8	58·5	58·7	58·0	61·7	61·0	...	59·0	13h
14	57·0	57·0	55·3	58·0	61·0	60·0	60·0	61·0	61·3	59·3	59·0	59·1	61·0	61·0	...	58·7	14
15	57·5	58·0	54·7	58·1	61·7	60·7	60·5	62·7	62·7	60·5	61·0	60·2	61·9	61·0	...	59·4	15
16	58·7	59·5	56·2	59·9	62·0	61·0	61.5	62·3	64·0	62·0	62·5	61·3	62·5	61·5	...	60·4	16
17	61·0	61·0	58·5	61·5	62·5	62·0	62·2	63·0	64·1	62·5	63·3	62·5	64·0	62·8	...	61·9	17
18	62·0	62·0	60·0	62·0	62·7	62·2	62·5	63·2	64·0	62·5	63·3	63·0	64·5	63·5	...	62·3	18
19	62·1	62·1	62·2	62·5	63·0	62·3	62·3	64·3	63·2	62·7	63·0	63·1	64·2	63·8	...	62·5	19
20	62·3	62·1	62·5	62·5	63·0	62·2	62·2	67·2	63·0	62·7	63·0	63·2	64·0	63·9	...	62·6	20
21	62·2	62·2	63·0	62·7	63·3	62·5	62·5	66·0	63·0	62·5	62·8	63·0	63·9	63·8	...	62·6	21
22	62·3	62·2	62·7	63·0	63·7	62·7	62·7	65·1	63·0	62·5	62·9	63·2	63·8	63·7	...	62·6	22
23	62·3	62·5	62·7	63·2	63·9	63·0	63·0	66·0	63·0	62·7	63·0	63·5	63·8	63·7	...	62·7	23

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

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

NOVEMBER 1924.

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	946	931	915	919	929	932	938	925	930	922	914	912	928	928	919	920	Midnight
1h	950	936	917	918	926	931	933	924	931	923	919	919	929	930	919	921	1h
2	951	927	920	920	927	931	937	924	932	929	916	920	931	921	920	920	2
3	945	921	921	926	925	934	927	926	931	927	919	922	935	929	921	922	3
4	943	924	930	928	925	934	923	928	931	926	919	921	938	928	922	922	4
5	924	923	930	927	925	932	922	929	931	927	922	921	926	915	921	922	5
6	926	924	928	929	923	930	925	927	929	926	921	920	927	919	921	922	6
7	927	921	927	927	924	930	926	926	922	921	919	917	929	918	924	921	7
8	927	924	930	926	930	943	926	930	927	921	922	916	931	916	926	923	8
9	922	930	930	934	944	958	931	941	941	922	927	913	939	917	927	922	9
10	919	931	929	939	950	963	931	945	950	926	931	921	940	920	927	929	10
11	920	942	931	944	947	966	927	942	952	929	936	928	937	928	930	933	11
Noon	929	948	938	946	949	961	929	941	961	930	934	929	941	936	937	937	Noon
13h	940	947	949	941	947	956	929	942	957	936	930	929	939	936	942	938	13h
14	939	940	947	934	940	947	910	940	946	927	927	928	929	929	939	932	14
15	931	933	942	928	930	946	908	936	955	932	921	920	930	926	930	930	15
16	932	930	936	921	925	935	913	932	950	921	920	918	922	921	926	928	16
17	933	926	927	920	923	931	915	930	938	921	920	917	920	917	924	921	17
18	930	924	917	920	921	932	915	930	930	920	921	919	918	912	926	921	18
19	930	917	910	923	925	935	917	928	931	920	918	916	910	912	926	922	19
20	930	909	912	925	929	933	918	929	929	920	911	919	909	911	922	921	20
21	930	904	921	923	930	935	920	929	928	916	908	919	911	908	921	921	21
22	930	909	919	923	930	936	921	928	927	912	910	922	912	912	920	920	22
23	931	910	917	928	931	937	922	928	928	923	912	923	921	919	918	921	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	920	921	930	906	920	927	923	929	833	900	930	925	931	917	...	920·7	Midnigh t
1h	921	923	929	911	921	921	922	932	850	901	932	926	941	919	...	922·5	1h
2	921	926	930	921	922	921	926	930	872	902	930	922	940	919	...	923·6	2
3	922	929	930	920	926	921	927	931	892	903	932	927	940	919	...	925·0	3
4	924	929	928	920	926	920	926	931	883	910	931	932	941	919	...	925·4	4
5	923	929	929	909	929	920	923	929	886	912	932	924	934	921	...	923·2	5
6	926	929	927	912	929	919	923	925	885	914	933	932	930	927	...	923·6	6
7	927	930	924	915	931	921	926	930	890	908	920	933	935	929	...	923·3	7
8	927	930	921	919	932	927	930	938	897	911	926	938	936	930	...	926·0	8
9	928	930	922	925	945	931	945	955	905	915	931	951	929	932	...	931·4	9
10	929	931	927	935	950	940	957	968	913	920	935	961	923	939	...	936·0	10
11	930	936	940	935	948	949	969	967	916	922	939	962	921	937	...	938·8	11
Noon	931	933	947	935	947	950	970	959	912	929	931	960	913	935	...	939·9	Noon
13h	939	941	946	933	940	936	971	947	909	927	930	967	910	931	...	939·5	13h
14	934	941	951	928	931	921	963	932	901	919	930	960	910	926	...	933·4	14
15	928	941	957	920	929	913	949	921	897	910	927	925	915	921	...	928·4	15
16	922	940	953	912	923	911	933	901	888	910	921	921	917	922	...	923·5	16
17	921	938	935	912	920	912	929	870	889	915	920	923	919	922	...	920·3	17
18	920	932	885	910	921	917	926	859	890	918	920	929	916	920	...	917·3	18
19	920	933	872	916	920	919	927	835	895	917	920	932	912	920	...	915·9	19
20	921	932	871	919	921	916	925	840	896	917	917	931	915	920	...	915·6	20
21	921	930	888	920	917	917	926	828	896	918	921	930	919	920	...	915·8	21
22	920	929	897	920	913	920	926	829	897	916	920	924	916	920	...	915·9	22
23	920	929	900	919	913	923	927	830	898	931	918	926	918	921	...	918·1	23

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

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

NOVEMBER 1924.

Hour. \ Day.	1.d	2d.	3d.	4d.	5d.	6d.	7d.	8d.	9d.	10d.	11d.	12d.	13d.	14d.	15d.	16d.	Hour.
	·29000 + (C.G.S. UNIT).																
Midnight	909	906	910	905	903	901	900	901	900	900	899	901	900	901	901	903	Midnight
1h	909	907	910	905	902	902	901	901	900	901	899	900	900	901	901	901	1h
2	909	910	909	905	902	902	900	901	900	900	898	900	900	900	901	901	2
3	910	910	908	904	902	903	902	902	901	900	899	900	900	901	901	901	3
4	910	910	908	904	903	904	903	902	901	901	900	901	901	901	901	901	4
5	910	910	909	905	904	904	905	904	902	902	901	902	900	901	901	901	5
6	911	909	909	904	905	906	906	906	906	907	904	903	901	904	904	902	6
7	913	912	912	910	906	906	908	909	911	909	910	906	903	906	906	904	7
8	914	918	914	911	902	902	902	909	909	903	914	906	901	904	907	907	8
9	912	913	913	906	900	898	899	901	902	897	912	902	897	902	902	906	9
10	909	910	909	900	900	892	899	897	896	889	907	896	896	903	900	904	10
11	907	909	900	892	901	893	899	898	892	881	897	891	896	903	897	901	11
Noon	898	907	893	892	897	893	898	901	891	876	894	890	891	900	896	896	Noon
13h	890	901	889	893	896	891	896	899	889	871	894	887	886	896	894	893	13h
14	887	901	890	898	896	891	895	897	889	873	893	887	887	894	892	893	14
15	889	903	890	905	897	892	897	895	892	881	896	886	889	895	892	894	15
16	892	910	894	910	899	894	900	896	896	889	897	889	895	897	894	896	16
17	900	911	900	911	901	899	902	899	899	894	899	894	898	899	897	904	17
18	902	911	901	910	901	900	903	900	898	897	899	896	900	900	900	900	18
19	903	910	902	906	901	900	903	900	899	898	899	897	900	900	900	900	19
20	905	910	903	905	901	900	902	900	900	899	901	898	901	901	900	900	20
21	905	911	902	905	901	900	902	901	900	900	902	900	901	902	901	900	21
22	906	911	903	906	901	900	901	900	900	900	902	900	902	902	901	901	22
23	907	911	903	905	901	900	901	900	901	900	902	900	902	903	902	901	23

Day \ Hour.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	...	Mean	Day. / Hour.
	·29000 + (C.G.S. UNIT).																
Midnight	901	903	901	909	905	907	909	908	921	919	915	914	911	914	...	905·9	Midnight
1h	901	903	901	909	905	907	909	908	921	917	917	914	911	914	..	905·9	1h
2	901	903	902	909	906	908	909	908	917	917	916	913	911	914	...	905·7	2
3	901	903	902	909	906	908	910	909	917	917	916	913	911	914	...	906·0	3
4	901	903	902	909	906	910	910	910	919	919	917	914	912	914	...	906·6	4
5	901	903	902	910	906	910	911	911	921	919	917	914	911	914	...	907·0	5
6	905	905	903	910	908	912	912	912	924	920	920	915	914	917	...	908·8	6
7	910	906	909	910	911	916	915	914	924	924	923	919	921	921	...	911·8	7
8	910	906	908	903	909	915	914	910	923	920	927	914	921	922	...	910·8	8
9	903	900	901	895	903	911	908	907	920	916	921	905	920	920	...	906·7	9
10	898	896	897	891	901	907	901	900	918	911	916	902	920	919	...	902·8	10
11	890	890	892	892	904	905	897	900	920	909	912	897	911	913	...	899·6	11
Noon	890	887	889	893	903	903	893	895	919	905	906	895	907	909	...	896·9	Noon
13h	890	885	884	894	903	901	890	894	921	903	903	895	904	909	...	894·7	13h
14	895	883	883	895	905	904	891	897	923	904	905	896	906	904	...	895·1	14
15	897	889	882	895	909	908	895	905	921	910	909	901	907	904	..	897·5	15
16	898	893	890	899	908	908	903	908	922	911	910	905	910	902	...	900·5	16
17	900	896	895	901	907	906	906	911	922	910	910	905	911	905	...	903·1	17
18	901	900	900	903	905	906	907	916	920	911	910	905	911	909	...	904·1	18
19	901	899	911	903	904	907	906	919	918	912	910	906	911	910	...	904·5	19
20	901	899	909	902	905	907	906	924	917	913	911	905	911	911	...	904·9	20
21	901	900	910	902	905	906	906	920	917	914	912	909	911	912	...	905·3	21
22	902	901	907	903	906	907	906	920	918	914	913	911	912	913	...	905·6	22
23	903	901	907	904	906	907	906	921	917	914	914	912	913	913	...	905·9	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1924.

Month and Day 1924.	Atmospheric Pressure: Mean	Atmospheric Pressure: Excess above Average	Temperature of the Air. (in degrees Centigrade.): Highest	Temperature of the Air: Lowest.	Temperature of the Air: Range	Temperature of the Air: Mean	Temperature of the Air: Excess above Average	Excess of Air Temp. over Evaporation Temp.	Temperature of the Dew Point. (Centigrade.): Mean	Temperature of the Dew Point: Excess above Average	Degree of Humidity (Saturation=100): Mean	Degree of Humidity: Excess above Average	Elastic Force of Vapour	Lowest Temperature on the Grass. (Cent.)	Rainfall: Amount recorded by the Beckley Pluviograph.	Rainfall: Duration.	Amount of Evaporation	Mean Amount of Cloud (Scale 0—10.)
Nov.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1011·1	+ 0·5	26·0	16·4	9·6	20·9	— 2·2	3·3	15·1	— 1·9	69	0	17·0	14·6	1·2	20	7·7	5·1
2	1010·3	— 0·2	25·9	14·3	11·6	20·8	— 2·3	3·6	14·4	— 2·6	67	— 2	16·3	11·7	...	...	7·7	4·6
3	1009·3	— 1·1	27·0	18·7	8·3	22·6	— 0·6	3·3	16·9	— 0·2	70	+ 1	19·0	16·5	1·3	15	9·3	5·6
4	1009·9	— 0·4	26·7	18·7	8·0	22·8	— 0·4	3·5	16·7	— 0·4	68	— 1	18·8	15·4	...	...	8·2	4·1
5	1009·7	— 0·6	27·0	17·7	9·3	22·5	— 0·8	3·9	15·7	— 1·5	66	— 3	17·7	13·7	...	...	9·5	4·3
6	1007·2	— 3·0	27·8	19·7	8·1	23·2	— 0·1	3·5	17·1	— 0·1	69	0	19·3	15·9	1·6	55	8·1	7·7
7	1006·3	— 3·8	26·4	17·0	9·4	21·2	— 2·2	2·3	17·1	— 0·2	78	+ 9	19·3	14·7	0·8	20	4·8	6·3
8	1005·8	— 4·3	28·1	16·1	12·0	22·2	— 1·2	3·1	16·8	— 0·5	71	+ 3	18·9	13·2	...	...	7·3	3·5
9	1007·2	— 2·8	30·2	17·9	12·3	23·7	+ 0·2	3·1	18·4	+ 1·0	72	+ 4	21·0	13·9	...	...	7·7	4·8
10	1009·3	— 0·7	29·6	18·6	11·0	23·4	— 0·2	3·0	18·2	+ 0·8	73	+ 5	20·7	15·8	...	...	6·4	5·1
11	1008·8	— 1·1	29·0	17·6	11·4	23·3	— 0·3	3·0	18·1	+ 0·6	73	+ 5	20·6	15·4	...	...	6·3	4·1
12	1008·0	— 1·8	29·3	18·3	11·0	22·8	— 0·9	2·3	18·8	+ 1·3	78	+ 10	21·5	15·0	23·7	70	5·7	6·4
13	1008·9	— 0·9	27·7	17·4	10·3	22·8	— 0·9	3·2	17·2	— 0·4	71	+ 3	19·4	14·2	...	...	8·2	2·4
14	1010·4	+ 0·7	27·5	18·7	8·8	22·1	— 1·7	2·1	18·4	+ 0·8	80	+ 12	21·0	15·4	2·8	35	6·6	7·3
15	1011·0	+ 1·3	27·1	20·5	6·6	23·0	— 0·8	2·4	18·8	+ 1·1	77	+ 9	21·5	18·8	1·6	40	7·2	6·5
16	1010·4	+ 0·8	27·1	21·0	6·1	23·4	— 0·5	2·0	19·9	+ 2·2	81	+ 12	23·0	18·5	...	...	4·0	7·0
17	1009·7	+ 0·2	28·7	20·9	7·8	24·4	+ 0·5	2·2	20·6	+ 2·8	79	+ 10	24·0	17·1	...	...	7·0	4·5
18	1009·8	+ 0·3	28·7	20·5	8·2	24·3	+ 0·3	2·7	19·7	+ 1·8	75	+ 6	22·7	17·1	3·1	20	8·1	6·5
19	1010·6	+ 1·2	28·8	21·0	7·8	24·3	+ 0·2	2·5	20·0	+ 2·1	77	+ 8	23·2	17·7	...	...	8·0	4·7
20	1010·7	+ 1·4	28·6	20·4	8·2	23·9	— 0·2	2·7	19·3	+ 1·3	76	+ 7	22·2	15·8	...	...	9·0	4·4
21	1009·9	+ 0·6	27·9	18·8	9·1	23·5	— 0·7	3·0	18·3	+ 0·3	72	+ 3	20·8	15·8	...	...	8·9	4·1
22	1008·7	— 0·5	28·7	20·3	8·4	24·1	— 0·2	3·8	17·6	— 0·5	67	— 2	19·9	17·5	...	...	9·0	4·2
23	1009·4	+ 0·3	29·5	18·8	10·7	23·5	— 0·8	4·4	15·9	— 2·3	62	— 7	17·9	14·8	...	...	9·0	3·0
24	1010·6	+ 1·6	28·9	20·0	8·9	24·1	— 0·3	3·7	17·7	— 0·6	68	— 1	20·1	16·2	...	...	7·5	4·3
25	1010·5	+ 1·5	28·6	19·3	9·3	23·6	— 0·8	3·8	17·1	— 1·2	67	— 2	19·3	14·5	...	...	8·5	2·6
26	1009·3	+ 0·4	28·2	18·4	9·8	23·0	— 1·5	3·1	17·6	— 0·8	72	+ 3	19·9	14·9	...	...	8·8	4·3
27	1008·8	— 0·1	27·8	20·2	7·6	23·5	— 1·1	3·9	16·7	— 1·8	66	— 3	18·8	16·3	...	...	9·4	3·5
28	1009·2	+ 0·4	28·3	19·0	9·3	23·3	— 1·3	4·2	16·0	— 2·6	64	— 6	18·0	15·4	...	...	8·2	3·9
29	1009·8	+ 1·1	27·5	18·9	8·6	23·2	— 1·5	3·2	17·6	— 1·1	71	+ 1	19·9	17·0	...	...	7·4	5·6
30	1010·5	+ 1·9	28·2	19·9	8·3	23·5	— 1·2	3·6	17·2	— 1·6	68	— 2	19·4	18·3	0·2	5	8·9	5·2
Mean	1009·4	— 0·2	28·0	18·8	9·2	23·1	— 0·8	3·1	17·6	— 0·2	71·6	2·8	20·0	15·8	Sum 36·3	Sum 280	7·7	4·9
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	8

GENERAL WEATHER CONDITIONS DURING THE MONTH OF NOVEMBER 1924.

The conditions over the Indian Ocean, North of Mauritius, were unusually stable during November. No North-westerly winds were reported from Seychelles up to the end of the month, the calms extending well up to the Equator.

At Mauritius calms with strong local convection predominated during the first half of the month, with pressure slighely below normal. During the latter portion conditions alternated between calms, and weather usually associated with the extreme edge of the Southern Anticyclonic system. Slight rain and drizzle occurred generally with the falling pressures.

Variations in pressure were slight and, with the exception of the negative wave from the 6th to the 10th oscillations were generally on either side of the normal, successive maxima occurring with an interval of about 5 days throughout the month.

Variations in all other elements were also slight. Temperature was below normal on all days except the 9th and from the 17th to the 19th. Humidity was generally above normal. Wind Velocity oscillated with pressure, correlated movements being positive.

Sunshine was 7 % above normal and cloudiness normal

Rainfall at the Observatory was 10% below normal

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

Northern Districts	River System 1,	20 % below
Eastern Districts	,, ,, 2, 3, 4,	2 % ,,
South-Eastern Districts	,, ,, 5 & 6	25 % ,,
Western Districts	River System 11	25% below.
	,, ,, 12	65% ,,
	,, ,, 13	48% ,,

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of NOVEMBER 1924.

Month and Day 1924.	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	6·7	52	− 1·2	+ 2·2	61	2·5	2·7	− 0·8	24·4	24·0	23·7	23·4	...	23·2	22·7	c.f. . c.p. : f.
2	6·9	54	− 1·6	+ 2·2	54	2·7	2·8	− 0·7	24·4	23·9	23·7	23·3	...	23·0	22·6	c.f. : c. : c.f.
3	9·1	71	− 2·0	+ 3·6	61	4·1	4·2	+ 0·7	24·4	23·9	23·7	23·3	...	23·3	23·4	c.f. : c. .
4	11·8	92	− 1·8	+ 4·3	67	4·6	4·8	+ 1·3	24·4	24·0	23·7	23·7	...	23·9	24·1	c. c.f.g. .
5	9·9	77	− 1·3	+ 2·8	65	3·1	3·2	− 0·3	24·4	24·0	23·8	23·9	...	24·0	24·0	c.f. : c. :
6	8·6	67	− 0·4	+ 1·1	70	1·1	2·3	− 1·2	24·4	24·0	24·0	24·5	...	24·7	24·9	c.f. cp.
7	4·4	34	− 0·5	+ 0·8	58	0·9	1·9	− 1·5	24·3	24·0	24·1	24·8	...	24·4	24·3	c.f. .
8	12·2	95	+ 0·3	+ 1·9	99	1·9	2·2	− 1·2	24·3	24·1	24·3	24·5	...	24·2	24·0	c.f. .
9	12·3	95	+ 0·8	+ 0·6	143	1·0	2·2	− 1·2	24·3	24·1	24·4	25·0	...	24·7	25·3	c.f. .
10	6·6	51	+ 1·1	+ 0·1	175	1·1	2·1	− 1·3	24·3	24·0	24·5	25·3	...	25·2	25·3	c.f. .
11	8·9	68	+ 1·8	− 1·1	211	2·1	2·3	− 1·1	24·3	24·0	24·7	25·3	...	25·2	25·3	c.f. .
12	6·6	51	+ 0·6	− 1·0	239	1·2	2·0	− 1·4	24·3	24·0	24·8	25·4	...	25·4	25·1	c.f. c. : o.r. : o : f.
13	12·3	95	− 1·3	0·0	0	1·3	2·6	− 0·8	24·3	24·0	24·9	25·3	...	24·9	25·2	
14	5·3	41	− 1·3	+ 3·1	67	3·3	3·5	+ 0·1	24·3	24·0	25·0	25·3	...	25·4	25·2	c.f. : c.d. : c.p.
15	8·0	62	− 2·1	+ 3·5	59	4·1	4·1	+ 0·7	24·3	24·0	25·1	25·4	...	25·1	25·1	c.f. o. : c. : c.f.
16	0·6	5	− 1·4	+ 2·0	55	2·4	2·7	− 0·7	24·4	24·1	25·2	25·3	...	25·2	25·4	c.f. : c. : c.f.
17	11·7	90	+ 0·2	+ 2·4	95	2·4	2·6	− 0·8	24·4	24·1	25·2	25·2	...	25·4	25·5	c.f .
18	10·2	78	− 0·4	+ 2·7	82	2·7	2·9	− 0·5	24·4	24·1	25·2	25·9	...	25·8	26·0	o.g.r. : c. : c.f. .
19	10·5	80	0·0	+ 3·0	90	3·0	3·2	− 0·2	24·4	24·1	25·3	26·1	...	26·1	26·3	c.f. .
20	11·7	89	− 0·2	+ 3·1	86	3·1	3·2	− 0·2	24·4	24·1	25·4	26·4	...	26·0	26·1	c.f. .
21	12·2	93	− 0·4	+ 3·4	83	3·4	3·6	+ 0·2	24·4	24·3	25·6	26·4	...	26·0	25·9	b. : c.f. b.
22	11·4	87	0·0	+ 3·5	90	3·5	3·7	+ 0·3	24·4	24·3	25·7	26·3	...	25·9	25·9	c.f. : c.q. : c.f. : b.
23	10·9	83	+ 0·2	+ 2·4	95	2·4	2·7	− 0·7	24·4	24·3	25·7	26·2	...	25·9	25·8	b. : c.f. : b.
24	10·7	82	− 1·1	+ 3·2	71	3·4	3·4	0·0	24·3	24·4	25·8	26·3	...	25·8	25·8	c.f. : b.
25	11·7	89	− 1·4	+ 2·9	64	3·2	3·2	− 0·2	24·4	24·6	25·8	26·1	...	25·7	25·7	b. : c.f. : b.
26	9·6	73	− 1·5	+ 3·3	66	3·6	3·6	+ 0·2	24·4	24·4	25·9	26·1	...	25·6	25·4	c.f. : c.q. : c.f. : b.
27	12·4	94	− 0·9	+ 3·5	76	3·6	3·7	+ 0·3	24·4	24·3	25·9	26·1	...	25·7	25·6	b. : c.f. : b.
28	10·6	80	− 0·5	+ 3·3	81	3·3	3·5	+ 0·1	24·4	24·7	25·9	26·2	...	25·9	25·9	c.f. : b.
29	6·8	52	0·0	+ 3·3	90	3·3	3·4	0·0	24·4	24·7	26·0	26·3	...	25·7	25·7	b. : c.f. : c : b.
30	11·5	87	− 0·1	+ 3·8	88	3·8	3·9	+ 0·5	24·4	24·7	26·0	26·5	...	25·8	25·7	c.f. .
Mean	9·40	72·3	−0·55	+2·33	70·7	2·39	3·07	− 0·35	24·37	24·37	24·17	25·33	...	25·10	25·10	...
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 1924.

Element	Highest			Date		Lowest			Date	
Atmospheric Pressure	1012·4 mbs	at	9h	on	1st	1004·0 mbs	at	16a	on	8th
Temperature of the Air	30·2C	at	14.00	on	9th	14·3C	at	5h25	on	2nd
Daily range of temperature of the Air...	12·3C		...	on	9th	6·1C		...	on	16th
Temperature of the Dew Point	21·8C	at	18h	on	17th	12·4C	at	5h	on	2nd
Daily range of temperature of the Dew Point	6·7C		...	on	23rd	2·4C		...	on	21st
Relative humidity...	97·9%	at	6h	on	23rd	38·9%	at	15h	on	23rd
Wind Velocity	6·9 m.p.s.	at	11h	on	4th	0·6mps		...	often	
Rainfall	23·7m.m.	ending	17a	on	12th	..		...	...	
Temperature of the soil at 3 ins. ...	28·2C	at	18h	on	19th	21·2C	at	9h	on	2nd
,, ,, at 6 ins. ...	26·9C	at	18h	on	22nd	22·4C	at	9h	on	2nd
Duration of sunshine...	12·4 hrs.		...	on	27th	0·6 hrs.		...	on	16th
Amount of Evaporation in 24 hours	9·5 mm.		...	on	5th	4·0 m.m.		...	on	16th
Vapour Tension	25·9 mbs	at	18h	on	17th	14·3 mbs	at	5h	on	2nd
Minimum on Grass	...		...		...	11·7C		...	on	2nd

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

Mean Day Temperature of Air 25·70C, Average 26·34C, Mean Night Temperature of Air 20·49C, Average 21·30C.

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

† Thermometer broken.

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

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

NOVEMBER 1924.

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	0116	0113	0100	0103	0108	0092	0069	0067	0068	0093	0101	0081	0089	0100	0117	0112	Midnight
1h	0112	0108	0093	0098	0106	0084	0062	0062	0061	0087	0093	0077	0083	0095	0110	0107	1h
2	0110	0106	0090	0094	0101	0078	0060	0059	0059	0086	0091	0072	0080	0093	0107	0102	2
3	0107	0102	0089	0093	0100	0073	0059	0056	0059	0082	0090	0073	0079	0094	0105	0100	3
4	0112	0103	0088	0093	0100	0070	0059	0054	0059	0081	0092	0072	0081	0097	0105	0101	4
5	0118	0105	0087	0097	0102	0072	0059	0057	0058	0083	0093	0075	0082	0098	0108	0103	5
6	0118	0109	0093	0102	0106	0076	0064	0060	0064	0091	0098	0083	0091	0102	0114	0107	6
7	0122	0110	0095	0103	0112	0080	0065	0063	0069	0094	0099	0085	0094	0111	0117	0108	7
8	0123	0113	0097	0108	0114	0081	0068	0064	0074	0101	0100	0089	0096	0113	0118	0113	8
9	0124	0112	0099	0108	0111	0081	0071	0066	0078	0103	0101	0092	0099	0114	0119	0114	9
10	0119	0111	0094	0106	0107	0078	0069	0065	0077	0101	0097	0091	0098	0112	0115	0114	10
11	0114	0107	0092	0102	0100	0072	0064	0063	0074	0098	0096	0088	0096	0110	0114	0108	11
Noon	0110	0102	0088	0098	0093	0065	0061	0057	0071	0092	0093	0081	0092	0101	0107	0101	Noon
13h	0102	0094	0087	0092	0089	0061	0059	0049	0065	0090	0083	0075	0088	0098	0102	0098	13h
14	0100	0093	0081	0087	0082	0060	0059	0047	0062	0086	0080	0070	0081	0096	0100	0094	14
15	0099	0092	0079	0083	0075	0052	0056	0042	0059	0084	0076	0068	0079	0095	0097	0091	15
16	0098	0090	0082	0082	0074	0051	0053	0040	0060	0082	0072	0069	0077	0093	0097	0090	16
17	0100	0091	0086	0088	0080	0057	0059	0043	0063	0087	0074	0070	0078	0095	0098	0093	17
18	0102	0093	0093	0097	0088	0063	0061	0047	0070	0092	0077	0073	0082	0101	0103	0100	18
19	0108	0098	0100	0102	0094	0072	0063	0053	0082	0098	0081	0079	0091	0109	0111	0103	19
20	0113	0103	0103	0108	0100	0080	0068	0063	0089	0102	0083	0083	0094	0113	0114	0111	20
21	0114	0104	0105	0112	0102	0082	0069	0067	0092	0105	0084	0089	0097	0114	0118	0113	21
22	0115	0106	0107	0113	0102	0081	0070	0072	0097	0106	0085	0092	0100	0121	0119	0112	22
23	0115	0105	0107	0112	0097	0077	0069	0071	0096	0104	0084	0091	0101	0119	0117	0112	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	0109	0103	0103	0113	0112	0098	0097	0111	0119	0108	0097	0104	0101	0107	...	1010·0	Midnight
1h	0103	0099	0101	0112	0109	0093	0093	0103	0112	0101	0092	0098	0098	0102	...	1009·5	1h
2	0102	0095	0099	0109	0103	0089	0092	0101	0109	0097	0087	0093	0096	0102	...	1009·2	2
3	0100	0093	0097	0104	0101	0086	0089	0100	0106	0095	0083	0089	0093	0099	...	1009·0	3
4	0099	0097	0098	0103	0101	0088	0089	0100	0103	0092	0081	0089	0092	0100		1009·0	4
5	0100	0099	0101	0105	0102	0089	0088	0101	0101	0095	0082	0090	0092	0101	...	1009·1	5
6	0101	0102	0108	0109	0106	0091	0092	0107	0103	0100	0087	0092	0097	0107	...	1009·6	6
7	0103	0104	0112	0112	0110	0094	0097	0112	0108	0103	0092	0094	0101	0111	...	1009·9	7
8	0104	0108	0113	0114	0111	0097	0096	0112	0111	0108	0092	0096	0101	0111	...	1010·2	8
9	0103	0107	0114	0117	0110	0095	0098	0111	0112	0107	0092	0098	0101	0112	...	1010·2	9
10	0101	0107	0114	0116	0109	0094	0098	0110	0112	0102	0092	0097	0101	0110	...	1010·1	10
11	0096	0102	0111	0111	0103	0092	0093	0105	0109	0098	0089	0092	0098	0108	...	1009·7	11
Noon	0092	0094	0107	0106	0096	0080	0090	0101	0103	0091	0084	0088	0095	0102	...	1009·1	Noon
13h	0088	0089	0101	0098	0090	0074	0085	0098	0099	0079	0078	0084	0093	0098	...	1008·6	13h
14	0086	0086	0096	0092	0085	0068	0079	0096	0092	0076	0073	0080	0090	0095	...	1008·2	14
15	0079	0083	0093	0090	0083	0065	0077	0094	0089	0072	0069	0077	0087	0093	...	1007·9	15
16	0079	0081	0094	0088	0081	0066	0078	0091	0088	0072	0068	0078	0089	0091	...	1007·8	16
17	0082	0089	0099	0091	0084	0069	0084	0094	0091	0074	0074	0081	0092	0094	...	1008·2	17
18	0092	0094	0102	0099	0088	0076	0092	0102	0097	0081	0081	0088	0097	0099	...	1008·8	18
19	0098	0100	0106	0105	0097	0085	0100	0111	0104	0090	0091	0092	0104	0108	...	1009·5	19
20	0102	0104	0110	0112	0099	0092	0108	0117	0109	0095	0098	0094	0106	0113	...	1010·0	20
21	0105	0108	0114	0117	0105	0096	0112	0122	0113	0100	0104	0097	0110	0116	...	1010·3	21
22	0108	0111	0118	0121	0105	0101	0013	0124	0114	0101	0106	0104	0113	0122	...	1010·5	22
23	0107	0109	0116	0117	0103	0098	0112	0122	0112	0100	0107	0104	0111	0120	...	1010·4	23

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

Hour. \ Day.	NOVEMBER 1924.																															
	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.
Mdinight	2	1	2	5	0	8	7	0	5	1	0	5	1	3	8	6	4	7	7	2	0	5	0	0	1	1	0	4	1	7	...	3·1
1h	1	0	1	7	0	8	4	0	3	1	1	6	1	3	8	6	4	10	8	4	0	6	0	2	1	1	0	6	2	4	...	3·3
2	1	0	2	7	2	9	3	0	2	2	1	6	1	4	7	8	4	9	6	5	0	7	0	6	1	1	1	6	3	6	...	3·7
3	1	0	1	9	1	9	3	0	2	2	3	7	1	6	5	9	4	10	4	3	1	8	1	8	2	2	1	3	1	5	...	3·7
4	2	0	10	7	1	9	5	0	2	3	2	7	1	5	8	8	3	9	5	5	2	9	1	4	2	3	1	2	2	7	...	4·2
5	2	0	6	6	2	8	4	0	3	5	1	7	1	4	8	9	3	7	5	6	3	8	2	3	2	4	1	2	2	8	...	4·1
6	2	1	2	4	1	8	9	1	3	8	4	9	1	6	9	9	3	6	7	4	2	8	2	2	3	6	2	1	3	8	...	4·5
7	2	1	2	4	2	6	9	1	4	5	4	5	1	10	9	9	4	8	8	5	4	9	4	3	4	8	3	3	5	8	...	5·0
8	3	7	4	3	2	6	9	2	5	6	5	6	1	9	9	9	5	8	7	6	6	7	6	4	4	8	4	5	5	6	...	5·6
9	4	8	3	3	3	7	9	2	6	7	6	8	1	9	10	9	7	8	6	8	8	6	8	6	5	9	6	6	5	5	...	6·3
10	6	9	3	4	1	6	7	4	7	7	7	7	3	9	10	9	7	7	5	7	8	6	7	7	6	10	6	6	7	5	...	6·4
11	7	9	3	6	2	6	8	6	7	7	8	7	5	9	10	9	7	7	5	7	7	5	6	7	6	9	6	6	7	6	...	6·7
Noon	8	9	3	5	2	6	10	7	7	6	7	8	6	7	9	9	7	6	3	6	7	4	6	7	4	7	6	7	9	5	...	6·4
13h	8	8	7	4	2	6	8	6	7	6	7	8	5	7	8	8	6	5	4	6	7	4	5	7	5	7	7	7	9	7	...	6·4
14	8	9	6	5	6	6	8	6	7	6	7	9	3	9	7	8	6	4	2	6	7	3	3	7	3	7	7	7	8	5	...	6·2
15	9	9	9	6	7	7	8	7	7	8	6	10	2	10	7	8	5	3	3	6	5	1	2	8	4	6	9	4	9	4	...	6·3
16	9	8	9	4	9	7	9	4	8	8	5	10	3	9	4	9	6	5	4	5	4	1	3	7	3	4	8	4	9	5	...	6·1
17	10	8	9	4	8	8	9	4	8	8	4	10	5	8	4	8	7	8	5	4	5	2	3	5	3	4	5	3	9	6	...	6·1
18	8	7	9	3	9	9	8	3	9	9	4	8	6	9	3	7	3	8	6	3	3	1	4	3	2	3	3	3	9	5	...	5·6
19	8	6	9	2	9	9	6	5	7	7	3	7	3	8	3	5	3	8	4	3	4	1	3	2	1	2	2	2	8	4	...	4·8
20	7	5	9	1	9	10	5	6	4	5	2	4	2	7	2	2	2	4	3	2	6	1	2	2	0	1	1	2	5	3	...	3·8
21	8	1	9	1	9	10	4	8	1	3	2	1	1	5	2	1	2	1	2	2	2	1	2	1	0	1	1	1	3	2	...	2·9
22	5	2	8	1	6	9	2	6	1	2	2	1	1	9	3	1	2	3	3	1	2	0	1	1	0	0	1	1	4	2	...	2·7
23	2	2	7	0	7	7	1	4	2	1	4	0	2	9	5	2	3	5	3	0	4	0	0	1	0	0	2	3	6	3	...	2·8

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

Hour* Ending \ Day.	NOVEMBER 1924.																															
	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	d 12	d 13	d 14	d 15	d 16	d 17	d 18	d 19	d 20	d 21	d 22	d 23	d 24	d 25	d 26	d 27	d 28	d 29	d 30	...	Total.
	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.	m	m.	m.	m.	m.	m.	m.	m.	m.	m.	m.		hrs.
6h	3	20	1	4	10	0	0	14	7	6	15	0	14	0	0	0	0	5	0	18	8	0	8	26	1	0	19	20	8	0	...	3·4
7	59	60	60	58	59	15	10	60	60	30	60	8	60	0	0	0	58	55	25	58	56	7	54	60	32	20	60	60	55	4	...	20·0
8	60	60	60	60	60	44	60	60	60	60	58	60	60	16	11	0	60	60	58	60	57	55	58	58	60	50	60	60	59	60	...	26·7
9	60	60	60	60	60	40	16	60	60	60	60	40	60	2	15	0	59	60	58	60	50	60	20	50	44	50	60	60	60	60	..	24·4
10	60	44	60	60	60	50	55	60	60	60	57	50	60	1	17	1	60	58	60	60	60	60	60	60	59	2	60	60	60	60	...	25·6
11	60	46	60	60	60	46	40	60	60	52	10	60	60	14	28	12	60	40	60	60	60	60	60	60	60	22	60	60	40	60	...	24·8
Noon	45	18	60	55	60	31	0	60	60	31	2	60	55	58	45	0	60	58	60	57	60	60	60	60	60	58	60	60	7	60	...	23·7
13h	15	31	59	60	60	36	0	60	60	50	5	60	60	60	50	8	60	60	60	60	60	60	60	40	60	59	60	60	0	60	...	23·9
14	20	12	30	60	60	38	30	60	60	28	7	38	60	45	60	7	60	60	60	60	60	60	60	20	60	60	60	60	10	60	...	22·9
15	0	0	50	60	48	46	30	60	58	10	50	18	60	40	60	2	60	60	60	60	60	60	60	12	60	60	60	60	6	60	...	22·2
16	20	10	20	60	10	60	22	60	60	0	60	0	60	16	60	1	60	60	60	60	60	60	60	52	60	58	58	60	50	60	...	22·3
17	0	5	16	60	45	60	0	50	60	0	60	0	60	12	60	3	58	38	36	55	60	60	60	60	60	60	56	14	45	60	...	20·2
18	2	48	8	50	1	50	0	48	60	0	59	2	56	55	60	0	45	0	30	32	60	60	28	60	60	58	53	0	8	60	...	17·6
19	0	0	0	0	0	0	0	20	14	10	22	0	15	0	16	0	0	0	2	0	20	23	4	25	28	22	20	0	0	25	...	4·4

The total amount of registered sunshine was 282·1 hours and the total possible sunshine 390·3 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

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	18·6	2·3	18·2	2·0	20·1	2·3	21·5	1·9	18·9	2·0	20.9	1·8	19·9	1·1	17·3	0·8	Midnight
1h	18·5	2·0	18·7	2·5	19·2	1·5	21·2	1·8	18·9	1·9	21·1	2·0	19·8	1·1	17·0	0·8	1
2	18·5	2·1	16·9	1·9	19·1	1·3	20·9	1·9	19·0	1·8	21·1	2·1	19·0	1·1	16·6	0·9	2
3	17·5	0·7	16·6	1·6	19·5	1·4	21·0	2·0	19·0	1·7	21·1	2·2	18·4	0·9	16·2	0·7	3
4	17·9	1·0	15·2	1·1	19·3	0·8	21·0	2·1	18·3	1·3	20·9	2·1	17·5	0·9	16·5	0·7	4
5	17·1	1·6	15·0	1·4	19·0	1·0	20·9	1·9	17·7	1·4	20·7	1·9	17·4	0·9	16·3	0·7	5
6	17·0	1·6	15·0	1·0	19·2	1·0	21·0	1·9	18·9	2·2	20·9	1·9	18·1	0·9	17·0	0·7	6
7	21·7	3·8	19·1	1·9	22·0	2·2	23·0	3·0	22·1	4·1	22·0	2·7	20·6	0·9	21·3	1·4	7
8	23·0	4·8	22·2	3·6	23·6	3·5	24·3	4·3	23·8	5·5	24·0	4·1	23·1	3·3	23·9	3·6	8
9	24·2	5·4	24·1	5·4	25·0	5·0	25·3	5·0	24·9	6·7	25·2	5·2	24·3	4·1	24·2	3·6	9
10	25·1	6·3	23·9	5·3	25·8	6·0	25·9	5·5	25·3	7·1	26·1	6·3	25·4	5·0	26·3	5·8	10
11	25·1	5·8	25·6	6·3	26·3	6·4	26·3	5·8	26·9	7·4	26·1	6·1	25·7	4·7	26·8	6·4	11
Noon	24·9	5·9	24·7	5·5	26·7	6·7	25·9	5·4	26·6	7·2	26·2	6·0	23·2	2·9	27·0	6·3	Noon
13h	25·6	5·9	25·9	6·2	25·3	5·7	26·4	5·8	26·5	7·5	25·8	5·3	24·1	2·7	27·0	6·7	13h
14	24·4	5·1	24·2	5·7	25·0	4·8	26·0	5·6	26·4	6·6	26·4	5·8	25·1	4·1	28·1	6·6	14
15	24·5	4·5	23·6	5·3	25·2	5·2	25·7	5·3	26·1	6·1	27·0	5·9	25·2	4·6	26·5	5·5	15
16	22·9	3·6	23·7	5·8	24·2	4·1	25·1	5·1	24·7	4·7	26·6	5·9	23·1	3·1	27·6	5·9	16
17	22·3	2·2	23·4	5·3	24·0	4·0	23·7	4·2	24·0	4·0	26·0	5·4	22·5	2·9	26·0	4·7	17
18	20·7	3·0	22·3	5·0	23·2	3·7	22·6	3·6	23·0	3·5	24·6	4·4	22·0	3·0	24·3	3·5	18
19	19·2	2·2	21·1	3·9	22·6	2·8	21·1	2·7	22·3	2·6	23·9	3·4	20·7	2·1	22·9	2·6	19
20	18·3	1·9	20·1	3·0	22·0	2·5	20·3	2·4	21·9	2·3	21·3	1·4	20·1	1·7	21·7	1·7	20
21	19·0	2·7	19·9	2·8	21·9	2·4	20·0	2·4	21·5	2·1	20·3	1·4	19·3	1·8	21·2	1·5	21
22	18·1	1·9	19·7	2·1	21·5	2·1	19·3	2·2	21·6	2·4	19·9	1·0	18·0	1·3	20·2	1·2	22
23	17·9	1·9	20·3	2·6	21·3	2·0	19·0	2·1	21·1	1·9	20·0	1·2	17·9	1·1	20·6	1·3	23

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

TABLE X. (*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 1924

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

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

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

NOVEMBER 1924.

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	887	920	894	913	890	910	881	929	879	921	891	909	891	913	893	917	Midnight
1h	887	920	896	910	883	917	875	937	878	922	885	915	891	912	892	918	1h
2	884	924	900	911	887	913	880	930	879	921	883	917	890	914	895	912	2
3	888	918	892	911	881	919	877	935	881	919	885	915	892	911	893	915	3
4	888	919	890	914	884	924	878	933	887	919	880	920	888	919	889	916	4
5	882	918	885	910	885	915	879	931	888	919	887	913	887	919	887	919	5
6	886	914	893	905	885	915	880	948	887	920	886	906	892	911	893	910	6
7	884	924	895	903	889	929	883	943	888	930	882	927	891	912	888	918	7
8	882	944	874	926	868	947	880	948	881	946	881	929	897	914	905	925	8
9	892	939	878	932	878	954	887	963	885	937	888	919	905	912	905	925	9
10	887	934	881	928	872	942	875	959	914	936	908	919	905	912	917	926	10
11	891	944	881	946	887	962	874	964	908	938	915	910	930	900	923	923	11
Noon	884	924	875	938	879	951	888	958	900	938	911	926	883	889	912	931	Noon
13h	884	924	891	942	881	947	888	961	900	939	924	924	900	882	906	929	13h
14	894	914	880	930	879	952	900	958	884	939	918	918	886	866	918	927	14
15	896	882	879	932	876	957	900	956	880	948	918	904	895	874	921	931	15
16	892	918	869	931	884	939	877	955	882	943	917	875	904	920	922	922	16
17	894	903	877	935	880	948	876	957	880	930	900	882	904	918	920	920	17
18	882	927	868	932	871	943	864	936	885	924	904	882	892	918	904	919	18
19	890	915	873	918	876	936	885	937	887	919	902	892	894	913	902	910	19
20	886	922	885	915	876	936	887	934	882	918	885	915	895	911	903	913	20
21	883	926	886	914	876	936	882	927	885	915	877	923	890	923	896	910	21
22	892	920	887	913	885	937	885	923	882	918	882	918	897	908	896	909	22
23	887	933	888	912	880	930	882	927	887	913	892	910	892	918	897	907	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	896	910	890	910	917	893	907	890	887	913	883	917	883	925	875	938	Midnight
1h	896	910	890	910	916	893	909	887	883	917	882	918	878	922	871	929	1h
2	895	911	887	913	918	892	909	891	881	912	881	919	873	927	870	930	2
3	895	911	887	913	915	894	906	894	886	910	885	915	883	926	870	930	3
4	895	907	890	910	918	892	913	887	882	912	885	915	888	931	878	922	4
5	893	910	892	908	915	894	911	889	884	911	890	910	884	924	884	916	5
6	895	907	892	908	900	912	908	892	884	911	893	907	885	915	881	919	6
7	893	909	894	906	900	909	905	895	888	909	886	914	878	932	874	926	7
8	906	914	909	913	918	908	914	878	877	923	880	920	879	931	877	923	8
9	918	918	918	918	922	878	912	882	873	927	900	930	870	930	876	924	9
10	923	923	934	913	934	887	921	868	882	918	893	935	882	943	879	931	10
11	929	919	933	907	936	876	920	870	869	900	910	947	880	949	880	930	11
Noon	936	907	938	915	935	877	910	851	877	866	889	952	875	960	893	935	Noon
13h	944	900	940	884	935	877	922	867	885	862	900	944	879	951	907	917	13h
14	945	882	933	878	934	877	900	867	891	857	883	941	867	950	900	885	14
15	942	872	926	883	927	873	886	866	900	858	900	948	866	952	889	911	15
16	922	878	910	885	921	869	900	885	900	861	883	941	877	955	904	921	16
17	924	890	913	887	919	881	900	914	900	882	868	948	879	952	900	912	17
18	891	922	915	890	914	886	903	915	925	895	883	941	871	943	894	915	18
19	888	912	906	897	909	891	903	914	880	920	900	936	879	931	894	914	19
20	892	908	906	898	908	892	901	907	891	907	884	924	884	916	894	914	20
21	893	907	911	895	904	896	902	908	881	913	871	944	881	919	892	918	21
22	892	908	916	893	904	896	898	911	891	913	881	929	886	922	892	919	22
23	892	908	918	892	909	891	895	911	887	913	885	937	887	920	892	918	23

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

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

NOVEMBER 1924.

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	915	892	919	880	920	900	923	890	925	879	921	900	918	890	915	Midnight
1h	893	915	894	915	882	912	894	913	894	915	880	920	900	918	886	922	1h
2	893	916	904	919	900	922	894	913	889	926	883	926	900	917	889	917	2
3	895	911	900	915	886	921	893	917	892	920	877	935	900	918	888	918	3
4	894	915	900	919	885	924	893	917	888	930	885	923	900	921	887	919	4
5	897	908	900	918	890	915	894	914	885	937	886	936	900	918	891	912	5
6	896	910	900	919	893	910	893	916	891	922	889	929	898	912	890	915	6
7	891	921	900	930	884	924	889	929	892	920	888	926	893	916	887	932	7
8	894	927	906	931	900	936	909	943	893	936	911	952	900	930	882	943	8
9	900	927	916	939	907	933	916	940	900	947	916	940	913	932	892	938	9
10	907	936	908	940	910	949	907	933	900	942	920	949	917	942	890	948	10
11	913	933	908	941	910	951	900	942	909	943	918	944	916	940	890	948	11
Noon	913	933	900	936	909	944	919	946	900	943	918	943	916	939	887	962	Noon
13h	908	940	885	937	907	936	900	952	909	945	909	946	912	931	878	954	13h
14	914	936	900	944	910	951	910	949	909	943	908	939	922	932	891	942	14
15	908	940	887	934	915	938	909	943	909	944	900	948	921	931	890	951	15
16	914	935	884	939	908	941	900	955	884	939	910	947	915	937	889	953	16
17	917	941	891	946	908	941	900	947	900	948	908	937	900	941	900	956	17
18	912	930	886	935	907	933	893	934	900	951	908	937	894	914	882	944	18
19	906	913	892	919	900	924	888	930	894	928	900	929	892	920	890	925	19
20	903	915	891	912	900	924	893	917	890	923	900	924	887	913	890	923	20
21	903	917	887	919	900	924	891	922	908	939	900	929	886	914	892	911	21
22	900	923	887	913	900	923	890	924	905	924	900	929	884	916	893	910	22
23	892	919	887	913	900	927	887	919	887	933	900	923	882	918	894	908	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	915	896	904	893	910	885	923	889	929	893	917	...	...	890	916	Midnight
1h	892	911	896	904	889	916	891	922	891	922	893	915	...	...	889	915	1h
2	891	912	896	904	888	919	890	915	890	925	900	930	...	...	891	917	2
3	891	913	896	904	890	915	892	908	889	926	900	925	...	...	890	916	3
4	888	918	896	904	892	910	894	914	890	925	894	927	...	...	891	917	4
5	891	912	895	905	883	925	894	915	894	915	908	919	...	...	891	915	5
6	890	915	893	915	888	919	893	915	894	914	905	922	...	...	892	914	6
7	889	927	882	944	885	937	887	932	886	935	884	940	...	...	889	923	7
8	882	945	876	957	884	939	891	944	915	937	900	955	...	...	892	932	8
9	880	949	882	945	900	958	900	945	918	945	900	958	...	...	898	933	9
10	879	950	882	944	890	947	909	944	918	943	912	957	...	...	902	933	10
11	890	948	875	960	888	960	891	943	918	945	900	951	...	..	903	934	11
Noon	876	958	876	957	900	953	900	946	909	945	900	952	...	...	900	933	Noon
13h	881	947	879	951	900	957	900	948	909	945	900	951	...	...	902	930	13h
14	882	943	878	952	911	956	900	948	915	938	900	951	...	...	901	925	14
15	882	945	876	957	900	956	900	945	908	938	890	951	...	...	900	926	15
16	883	942	881	947	889	952	900	945	900	943	900	953	...	...	897	928	16
17	883	943	881	946	882	943	891	943	900	948	911	954	...	...	897	930	17
18	882	945	874	962	882	943	900	943	900	946	900	948	...	...	893	928	18
19	880	920	885	938	889	929	900	946	894	928	900	937	...	...	893	921	19
20	888	912	888	930	891	922	893	935	889	928	896	921	...	...	892	918	20
21	891	909	889	917	894	914	888	931	889	926	896	921	...	...	891	919	21
22	892	908	890	915	889	928	890	923	891	921	894	928	...	...	892	917	22
23	891	909	889	916	883	926	890	923	892	920	894	930	...	...	891	917	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during NOVEMBER 1924.

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 1924.

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

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	1·7	6	2·1	4	2·8	8	2·3	6	2·7	4	3·0	8	1·8	5	1·8	5	1·8	4	0·6	5	1·2	5	2·7	6	3·1	6	1·9	...	...	2·1
1h	6	1·7	6	1·6	3	2·1	6	1·4	6	1·6	4	2·8	8	1·8	5	2·6	5	1·4	4	0·6	5	1·9	6	2·4	6	2·4	6	1·7	...	...	2·1
2	6	1·8	9	1·9	8	2·2	6	1·4	6	2·8	5	3·1	8	1·7	5	2·0	5	1·5	4	0·6	5	2·2	5	1·8	6	2·7	8	3·0	...	...	2·2
3	6	1·2	8	1·5	5	2·5	6	1·9	6	2·2	5	4·2	8	1·8	5	2·1	5	1·6	4	0·6	5	1·8	4	1·2	6	2·8	8	2·5	...	...	2·1
4	6	1·6	8	1·9	5	2·8	6	1·9	6	3·2	5	2·7	8	2·1	5	2·3	5	2·1	4	0·6	5	1·3	6	1·5	6	2·7	7	2·8	...	...	2·2
5	6	0·9	8	1·8	5	1·8	6	1·5	6	4·0	6	3·9	8	1·8	5	1·5	5	1·5	4	0·7	5	3·0	6	1·6	6	1·6	10	2·1	...	...	2·0
6	6	1·1	8	1·9	5	1·2	6	1·8	6	2·4	6	3·1	7	1·2	5	1·8	5	1·8	6	1·7	5	2·2	6	1·7	6	1·5	9	2·3	...	...	1·8
7	6	2·3	8	3·0	5	2·9	6	3·1	6	2·2	6	2·8	6	1·8	6	3·4	6	2·9	6	4·8	6	4·0	6	3·4	6	3·8	6	4·3	...	...	2·7
8	7	2·8	9	3·2	8	3·6	9	4·4	7	3·7	9	5·3	8	3·0	6	4·7	6	4·9	6	6·2	6	4·2	7	4·5	10	4·0	8	5·5	...	...	3·8
9	8	2·7	10	4·2	9	3·4	10	4·3	8	4·7	10	4·3	10	3·4	7	3·9	6	5·3	6	4·9	8	5·8	8	4·5	10	4·9	8	5·8	...	...	3·9
10	9	3·7	9	4·1	9	5·0	9	3·4	8	4·2	10	5·3	10	4·5	7	4·9	6	5·4	6	4·8	7	4·8	9	4·5	10	4·7	9	5·8	...	...	4·1
11	10	3·5	9	4·2	9	5·2	8	4·2	9	4·4	10	4·8	10	4·3	7	4·9	7	4·9	6	6·5	7	6·1	7	4·4	10	4·9	8	5·1	...	...	4·5
Noon	10	3·5	8	3·6	9	4·5	10	5·0	8	4·3	10	4·7	10	4·2	7	6·3	6	6·3	6	6·2	8	5·3	8	4·6	9	4·6	8	5·2	...	...	4·5
13h	9	4·1	6	4·0	9	3·7	8	5·2	9	4·6	9	4·7	10	3·3	6	5·9	6	5·1	6	5·5	8	5·7	8	4·8	9	4·6	8	5·1	...	...	4·3
14	10	3·9	8	4·4	9	5·2	9	5·0	9	4·4	9	4·0	11	3·9	7	4·3	6	4·7	6	5·7	9	5·7	8	4·8	10	4·1	8	5·1	...	...	4·3
15	9	4·1	6	3·6	10	4·1	9	4·4	9	4·5	8	4·8	11	3·7	7	5·2	6	4·9	6	6·2	8	5·6	8	4·5	9	3·9	7	5·2	...	...	4·3
16	10	3·8	6	4·2	9	4·2	8	5·5	6	4·2	9	4·8	10	4·0	7	5·4	6	4·5	6	5·1	7	5·3	8	4·5	8	4·3	8	5·3	...	...	4·0
17	10	4·4	7	4·7	9	4·2	8	4·7	8	4·8	9	3·8	8	4·1	8	5·6	6	4·6	6	5·0	6	4·7	7	4·4	8	4·8	9	5·5	...	...	3·8
18	10	3·2	6	3·8	9	3·4	7	3·5	8	5·1	9	3·8	6	1·5	6	4·8	6	4·9	6	6·7	6	4·7	8	4·3	8	4·6	8	4·8	...	...	3·6
19	10	1·4	6	2·1	8	2·4	6	3·2	7	2·9	8	2·9	6	2·2	6	2·7	4	2·8	6	4·1	6	3·1	8	4·6	7	2·9	8	3·7	..	...	2·6
20	9	1·5	5	1·5	8	2·4	6	1·9	6	2·5	8	2·4	4	1·8	6	2·5	4	1·7	6	3·2	6	2·4	7	3·6	6	3·0	7	2·2	...	...	2·1
21	9	1·7	5	2·3	8	2·4	6	2·4	9	4·0	8	2·9	4	2·0	5	1·4	4	1·3	5	2·0	6	1·5	6	3·3	6	2·8	7	2·2	...	...	2·3
22	8	2·3	4	1·8	8	2·3	6	2·6	9	2·5	8	2·9	4	2·3	5	1·2	4	1·1	5	1·8	6	3·0	6	2.5	6	2·3	7	2·9		...	2·1
23	6	2·1	4	1·9	8	2·7	5	2·3	6	3·5	8	2·3	4	2·5	5	1·0	4	1·3	5	1·9	5	3·1	6	2·5	6	2·2	7	3·1	..	...	2·2

d = direct. r = retrograde. § Vane made one complete revolution retrograde between 12h and 13h

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for NOVEMBER 1924.

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of NOVEMBER 1924.

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	1·80	45·7	...	8
	3	Belmont	50	1·95	49·5	...	3
	4	Poudre d'Or	20	1·87	47·5	...	3
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	1·79	45·5	...	12
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	1·31	34·0	42·2	8
	9	Beau Séjour	300	1·62	41·1	62·7	12
	10	Mont Piton	360	1·04	26·4	62·0	6
	11	Mon Choix	700	1·09	27·7	51·6	7
	12	Antoinette	640	2.09	53·1	59·4	9
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	1·88	47·8	57·4	6
	15	Mon Songe	620	1·54	39·1	70·9	7
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ...	325	1·57	39·9	48·5	9
	19	The Observatory ...	179	1·43	36·3	44·2	9
	20	Solitude§	175	...	...	...	...
	21	St. André§	90	...	...	...	...
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trébuchet)*	165	1·83	46·5	...	5
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station* ...	106	1·95	49·5	...	4
	47	Terre Rouge Station* ...	137	1·22	31·0	...	3
	48	Mapou Station* ...	296	0·16	4·1	...	1
	49	Poudre d'Or Station* ...	172	0·58	14·7		4
	50	Rivière du Rempart* ...	134	0·53	13·5		4
2 & 3	1	Union Régnard S.E. ...	600	2·55	64·8	68·8	15
	2	Constance d'Arifat L.G.	100	1·34	34·0	40·4	6
	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)* ...	...	2·68	68·1	...	8
	10	St. Julien E(K. Reetoo)*	...	0·43	10·9	...	2
4	1	Sans Souci	900	4·27	108·5	134·6	17
	2	Etoile§	400	...	...	...	...
	3	Beau Champ	20	1·25	31·7	39·4	4
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	4·06	103·1	66·5	11
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	3·19	81·0	...	22
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau	460	0·65	16.5	82·8	3
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	...	...	...	...
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	0·27	6·9	...	3
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
6	1	Kanaka	2,000	2·19	55·6	109·2	20
	2	Tivoli*	1,300	5·11	129·8	...	12
	3	La Flora*	1,050	2·05	52·1	...	9
	4	Britannia	730	2·54	64 5	87·4	13
	5	Savannah (Mill) ...	200	1·50	38·1	37·1	6
	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.*	...	1·18	30 0	...	6
	15	Fontenelle*	...	0·62	15·7	...	1
	16	Combo§	...	...	...	...	...
	17	St. Felix (Wilson)§ ...	...	...	...	...	...
	18	Choisy Estate§	...	...	...	...	...
7, 8 & 9	1	Bel Ombre	40	0·96	24·4	54·4	5
	3	Beau Champ§	...	...	...	..	...
	4	Board*	...	1·21	30·7	...	3
	12	Tamarin Station§ ...	155	...	...	...	...
	13	Médine Station§ ...	284	...	...	...	...
	14	Albion Station§ ...	72	...	...	...	...
10		No returns	...	...	...	...	...
11	1	Les Gorges§	...	...	...	...	...
	2	Curepipe Gardens ...	1,840	3·04	77·2	114·0	17
	3	Mare aux Vacoas ...	1,850	3·56	90·4	134·9	12
	4	La Marie Filter Bed ...	1,700	3·60	91·4	61·7	15
	5	Réunion	1,420	1·31	33·3	79·5	6
12	1	The Manse	850	0·43	10·9	41·9	6
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	0·72	18·2	48.2	24
	4	Alma	1,460	3·48	88·4	118·6	12
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	1·43	36·3	...	10
	7	Trianon*	950	0·53	13·4	...	4
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	0·87	22·1	..	5
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	0·98	24·9	47·7	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*	...	0·52	13·0	...	2

* Normals not available § Record not Received

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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

DECEMBER 1924

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

DIRECTOR.

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TABLE I.—RESULTS of MAGNETICAL OBSERVATIONS made during the MONTH of DECEMBER 1924

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)
DEC	° ′					
1	11 3·7	·22928	·29916	6·8	23	14
2	11 4·2	925	913	5·0	28	9
3	11 3·0	925	907	5·5	12	17
4	11 3·6	933	907	3·8	10	13
5	11 3·1	935	907	4·8	30	12
6	11 2·9	941	908	3·6	46	7
7	11 2·7	939	902	9·2	60	31
8	11 3·2	929	909	5·8	62	7
9	11 3·0	918	906	6·8	25	24
10	11 3·1	921	904	6·1	30	20
11	11 3·4	921	902	5·8	17	17
12	11 3·1	919	904	6·0	42	18
13	11 3·4	919	904	6·3	32	16
14	11 3·2	917	904	5·5	25	12
15	11 3·4	916	901	7·0	21	19
16	11 3·3	907	905	5·9	11	23
17	11 3·1	920	900	7·5	18	19
18	11 3·8	923	902	4·2	27	12
19	11 3·6	920	897	8·0	16	28
20	11 3·9	926	901	4·0	30	7
21	11 3·8	912	901	6·5	64	14
22	11 3·5	917	901	4·2	25	10
23	11 3·8	919	900	5·0	37	16
24	11 4·6	913	901	2·6	20	8
25	11 3·7	921	900	5·0	35	6
26	11 3·4	922	899	5·0	21	10
27	11 4·0	922	899	5·3	37	17
28	11 3·5	927	900	6·7	20	10
29	11 4·2	925	897	10·3	15	27
30	11 4·5	922	896	8·8	26	20
31	11 4·2	922	901	8·2	21	11
Mean	11 3·55	·22923	·29903	6·01	28·6	15·2

T=0·37681 : Mean Dip.=θ=52°·31′·25. (X=·22502 : Y=—·04398 : Z=·29903).

† 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.

DECEMBER 1924.

Dec. 12d 2h 50m — Sudden increase in H.F. (20γ) followed by decrease of force (50γ) till 14h50m: 12d14h50m to 18h30m wave in H.F. (+20γ): 13d1h to 3h. Two double waves (+25γ+20γ). Small irregular fluctuations occurred throughout.

In Dec. small undulations 12d2h50m till 10h

In V.F. very sharp wave 12d2h50m to 3h5m (+10γ) followed by small rapid fluctuations till 13d5h.

17d 23h 5m — Sudden increase in H.F. (10γ) followed by small irregular undulations till 19d18h and decrease of force (20γ) from 11h5m to 20m. In V.F. sharp wave 17d23h5m to 23h15m (+5γ) followed by small rapid fluctuations.

20d 12h 0m — Sudden decrease in H.F. (15γ)

21d 10h to 17h 30m — Irregular wave in H.F. (—50γ): small undulations in Dec.

TABLE II.—RESULTS of ABSOLUTE DETERMINATIONS of the MAGNETIC ELEMENTS during the MONTH of DECEMBER 1924

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. 3.11.40	11 3·09								
3.13.47	10 0·71	DEC. 10. 9.14	·22937	DEC. 3. 9.58	52.31·75	·29908	DEC. 3·14. 2	52.30 75	.29896
12. 9.14	11 4·82	10.13.07	·22922	12. 9.30	52.32·87	·29923	12.14. 5	52.33·25	·29902
12.13.52	10.59·28	17.11. 7	·22921	24. 9.48	52.31·25	·29899	24.13.27	52·32·31	·29897
17. 8.56	11 4·77	17.13.11	·22919						
21. 8.54	11 5·30	24.11·25	·22932						
21.14. 4	10.59·88	24·12.53	·22905						
24· 9·29	11 3·52								
24.13·37	11 4·77								

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

DECEMBER 1924.

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

Hour. \ Day.	17d.	18d.	19d.	20d.	21d.	22d.	23d.	24d.	25d.	26d.	27d.	28d.	29d.	30d.	31.d	Mean	Day. \ Hour.
	10° +																
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
Midnight	63·5	63·5	63·9	64·0	64·3	64·0	64·0	64·0	64·0	64·0	63·9	64·0	64·0	63·9	63·9	63·7	Midnight
1h	63·5	63·3	63·7	64·0	64·3	64·0	64·0	64·0	64·0	64·2	64·0	64·0	64·0	63·9	63·9	63·8	1h
2	63·5	63·6	63·9	64·0	65·0	64·0	64·0	64·0	64·2	64·4	64·0	64·1	64·0	63·9	53·9	63·9	2
3	63·7	64·0	63·8	64·2	65·2	64·0	64·2	64·0	64·5	65·0	64·2	64·2	64·3	64·0	64·0	64·1	3
4	63·9	65·8	63·9	64·3	66·0	64·0	64·3	64·2	64·7	65·5	64·8	64·6	64·8	64·5	64·0	64·4	4
5	64·0	65·9	64·2	65·0	66·0	64·3	64·8	64·5	65·0	65·3	65·7	65·3	65·5	65·5	64·3	64·7	5
6	64·2	66·0	66·1	65·8	66·2	65·8	66·1	65·9	66·0	66·0	66·5	65·8	66·0	66·4	65·7	65·4	6
7	65·8	66·0	68·0	66·0	67·3	66·0	67·2	66·3	65·8	66·0	68·2	66·0	68·0	68·5	67·8	66.2	7
8	66·0	65·3	67·5	65·5	65·8	66·0	66·2	66·0	64·2	64·0	68·2	66·0	69·8	69·5	69·0	66·1	8
9	65·0	64·0	65·8	65·9	62·0	65·7	64·5	65·3	63·5	62·2	66·0	64·8	68·8	69·5	68·8	65·2	9
10	64·2	64·0	64·2	64·8	62·0	64·2	64·0	65·3	63·2	62·0	63·5	64·0	67·0	68·3	68·0	64·6	10
11	64·2	64·0	64·0	64·0	62·8	63·5	63·5	65·2	62·0	62·0	62·0	61·5	63·0	64·2	65·0	63·4	11
Noon	63·8	63·5	62·7	63·5	63·5	62·2	62·6	64·5	61·0	62·0	62·0	59·8	60·0	62·0	62·8	62·3	Noon
13h	62·0	62·5	61·9	62·5	62·5	62·0	62·8	64·2	61·5	61·0	61·9	59·3	59·5	61·2	62·0	61·5	13h
14	60·6	62·3	61·7	62·0	62·3	62·0	62·2	64·8	62·2	61·0	61·9	59·8	60·2	60·7	61·5	61·2	14
15	58·5	61·8	60·0	62·0	62·0	62·7	62·2	65·3	63·5	62·0	62·0	60·0	62·0	61·5	60·8	61·3	15
16	59·5	62·0	60·5	62·0	60·8	62·0	63·0	64·5	64·0	62·0	62·2	62·0	63·8	62·2	61·4	61·6	16
17	60·8	63·0	61·3	62·0	61·5	61·8	62·5	64·0	64·0	61·9	62·8	63·8	64·0	63·9	62·2	62·2	17
18	62·0	63·6	62·0	62·3	63·0	62·0	62·5	63·7	63·7	62·2	63·2	64·0	64·0	64·0	62·5	62·7	18
19	62·7	62·8	62·7	63·4	63·8	62·5	63·0	63·8	63·8	63·5	63·3	64·0	64·0	64·0	63·5	63·2	19
20	63·2	63·3	63·3	63·2	63·2	62·7	63·2	64·0	63·8	63·5	63·6	64·0	63·8	64·0	63·6	63·2	20
21	63·2	63·9	63·5	63·7	64·0	63·0	63·3	64·0	63·7	63·5	63·6	64·0	63·7	64·0	63·8	63·3	21
22	63·5	63·9	63·9	63·8	64·0	63·0	63·5	64·0	63·8	63·7	63·6	64·0	63·9	64·0	63·9	63·5	22
23	63·5	64·0	64·2	65·5	64·0	63·2	63·8	64·0	63·9	63·8	63·8	64·0	63·9	64·0	64·0	63·7	23

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

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

DECEMBER 1924.

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	921	920	918	930	934	930	937	916	911	917	920	919	912	910	910	904	Midnight
1h	921	925	920	930	936	930	935	921	917	918	920	920	915	910	910	901	1h
2	922	927	918	933	937	930	933	928	918	919	920	921	920	910	910	908	2
3	923	927	919	931	939	929	933	927	913	919	920	938	920	910	910	909	3
4	925	925	919	932	939	930	933	928	910	920	922	940	918	913	912	910	4
5	927	927	920	929	935	930	935	925	913	922	921	933	914	914	917	910	5
6	929	929	920	929	936	933	939	923	917	932	920	928	923	920	919	910	6
7	933	932	924	933	943	943	940	937	917	940	922	929	930	925	924	910	7
8	939	938	927	938	948	953	942	946	918	940	919	930	941	930	922	910	8
9	941	940	925	934	949	965	952	952	920	940	918	925	941	931	923	907	9
10	943	940	925	938	950	975	960	961	930	940	922	920	932	933	920	902	10
11	940	938	926	935	943	975	968	962	935	925	927	910	927	933	920	903	11
Noon	935	930	927	933	946	966	968	953	932	920	923	904	927	928	918	900	Noon
13h	931	923	930	932	941	951	960	950	927	916	920	899	914	920	914	899	13h
14	929	922	930	939	937	947	950	945	921	914	929	898	917	920	918	902	14
15	925	924	930	937	929	937	942	937	919	913	930	900	919	920	922	909	15
16	920	920	928	932	921	930	937	928	919	910	927	920	919	920	925	910	16
17	923	920	927	931	924	932	940	919	918	915	919	929	914	916	920	909	17
18	923	919	924	931	929	933	940	915	917	918	913	918	914	911	918	910	18
19	927	918	926	933	930	933	937	907	912	916	915	920	911	910	913	910	19
20	927	918	923	932	929	933	933	901	910	916	917	914	911	909	912	910	20
21	924	915	925	932	927	932	925	902	912	913	917	919	910	908	911	910	21
22	920	912	930	932	928	934	910	900	918	913	918	912	909	908	910	910	22
23	920	915	928	932	920	934	908	904	915	919	919	915	910	909	904	910	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	925	924	917	928	912	920	914	918	923	923	920	925	920	919	919·6	Midnight
1h	912	928	924	920	927	912	922	914	920	924	923	923	926	920	919	920·7	1h
2	915	922	921	926	922	916	923	911	918	926	923	923	927	920	919	921·5	2
3	917	930	922	925	920	919	927	910	917	927	924	924	927	920	920	922·5	3
4	918	920	926	923	919	914	924	910	916	927	923	926	926	920	923	922·3	4
5	918	925	927	925	913	914	920	912	914	924	923	922	925	919	927	921·9	5
6	919	930	928	930	928	919	929	917	914	922	927	922	922	922	927	924·6	6
7	923	938	925	933	932	920	931	918	920	923	930	924	926	927	921	928·3	7
8	929	937	921	939	936	920	937	920	928	929	936	928	928	928	924	931·6	8
9	927	926	921	940	941	922	933	921	932	929	940	930	924	929	921	932·2	9
10	928	929	925	940	939	932	937	921	940	929	947	935	935	940	922	935·2	10
11	929	929	920	934	929	924	932	922	942	928	943	940	935	939	920	933·3	11
Noon	922	911	919	928	910	920	921	913	940	922	934	938	930	927	910	927·6	Noon
13h	915	914	913	910	890	920	915	909	933	910	921	930	928	922	909	921·5	13h
14	917	918	912	910	877	912	913	910	926	908	918	932	926	919	914	920·3	14
15	921	919	915	910	882	907	900	907	914	912	911	934	928	919	914	918·9	15
16	920	920	913	910	882	907	910	902	908	918	910	931	924	915	920	917·9	16
17	918	919	912	919	902	910	910	906	907	921	913	925	921	917	928	918·8	17
18	915	918	923	927	906	912	910	911	911	927	915	920	920	916	930	919·2	18
19	918	918	922	928	902	913	909	910	917	921	911	924	921	914	929	918·5	19
20	921	920	920	929	900	912	909	909	918	919	914	923	920	914	930	917·8	20
21	920	920	920	930	901	920	909	910	917	920	916	922	920	917	929	917·8	21
22	921	920	920	931	910	921	910	912	920	920	916	922	920	919	924	917·7	22
23	920	922	917	929	912	926	912	915	922	920	918	922	920	919	924	918·1	23

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

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

DECEMBER 1924.

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	916	915	913	910	909	909	907	910	910	907	904	904	909	905	905	907	Midnight
1h	915	915	912	910	910	909	907	910	910	907	903	904	910	905	904	907	1h
2	914	915	913	910	910	910	908	910	910	907	903	904	909	905	904	905	2
3	914	915	913	910	910	910	909	910	910	908	905	904	907	905	904	904	3
4	915	913	912	910	910	910	909	910	910	909	905	904	907	905	904	904	4
5	915	913	912	910	910	911	909	910	911	910	906	904	908	906	904	905	5
6	917	912	913	910	910	911	911	909	914	913	908	908	909	907	905	905	6
7	920	915	914	913	913	911	913	909	917	912	909	912	909	908	907	910	7
8	921	916	913	912	912	911	907	909	915	911	908	913	905	909	908	913	8
9	922	914	909	909	911	910	893	910	910	907	905	910	907	909	905	917	9
10	925	917	903	907	910	907	888	908	904	906	902	910	909	909	905	918	10
11	925	913	902	908	907	904	884	904	897	899	900	904	904	907	904	918	11
Noon	920	912	900	908	904	904	882	904	893	894	898	903	902	902	900	911	Noon
13h	918	913	899	904	903	907	887	906	893	893	892	897	900	900	894	904	13h
14	914	912	902	900	903	908	892	907	899	894	895	895	898	899	889	899	14
15	911	908	903	902	902	908	900	911	902	895	896	895	894	897	889	897	15
16	911	909	899	903	901	907	902	911	902	899	898	896	896	898	892	895	16
17	911	911	897	902	902	907	904	910	903	902	900	900	898	901	896	896	17
18	913	912	901	902	904	907	905	910	904	902	903	904	902	904	899	900	18
19	912	911	904	903	907	907	905	911	906	903	902	904	903	905	900	902	19
20	912	911	906	904	907	906	905	911	907	904	903	904	903	904	902	903	20
21	912	912	907	905	907	905	907	910	908	904	903	905	904	904	903	903	21
22	913	913	908	908	908	906	908	910	907	905	903	907	905	905	905	904	22
23	915	913	909	909	909	906	910	910	907	904	904	908	906	905	906	905	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	907	902	900	900	900	902	900	900	900	900	900	900	901	900	900	904·9	Midnight
1h	906	901	900	901	900	902	900	900	899	899	900	900	900	900	900	904·7	1h
2	905	902	901	901	902	902	901	900	899	899	900	900	900	900	900	904·8	2
3	904	902	902	902	903	903	902	900	900	900	900	900	900	900	900	905·0	3
4	903	903	902	902	904	904	902	901	901	900	900	900	900	900	900	905·1	4
5	904	904	903	903	904	905	903	902	902	900	901	900	900	900	900	905·6	5
6	906	903	909	905	905	906	907	907	904	902	903	900	902	902	900	907·2	6
7	908	901	910	904	902	907	907	907	903	900	907	902	907	903	900	908·4	7
8	907	900	903	900	895	903	906	902	901	897	902	901	907	902	905	906·9	8
9	900	905	900	898	891	902	902	902	900	898	897	902	899	900	908	904·9	9
10	900	910	893	898	895	902	907	902	902	900	891	903	897	895	909	904·3	10
11	895	907	887	899	893	900	901	901	900	902	890	898	889	889	901	901·0	11
Noon	890	907	882	900	898	900	899	899	899	902	892	893	885	883	901	898·9	Noon
13h	889	905	883	902	901	898	899	900	900	900	900	896	886	883	903	898·6	13h
14	889	903	888	902	901	897	899	902	900	900	903	900	880	883	899	898·5	14
15	890	901	890	903	900	899	900	902	900	900	902	900	896	889	900	899·4	15
16	893	900	892	901	901	898	896	902	900	897	900	901	899	893	900	899·7	16
17	898	900	896	899	905	898	891	901	899	892	900	901	899	897	900	900·5	17
18	900	898	896	898	905	899	892	900	898	896	900	901	897	897	899	901·5	18
19	900	898	897	899	903	900	897	900	899	900	900	900	897	898	899	902·3	19
20	900	900	898	898	902	900	899	900	900	900	900	900	898	899	898	902·7	20
21	900	898	898	899	902	900	899	901	900	900	900	900	899	899	898	903·0	21
22	900	900	899	899	902	900	900	900	900	900	900	901	900	900	899	903·7	22
23	902	900	900	901	901	900	900	900	900	900	900	902	900	900	900	904·3	23

TABLE VI.—DAILY RESULTS OF METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1924.

Month and Day 1924.	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.)
DEC.	mbs.	mbs.	c	c	c	c	c	c	c	c			mbs.	c	mm.	min.	mm.	
1	1010·1	+ 1·6	28·3	20·1	8·2	23·7	— 1·1	3·7	17·3	— 1·6	68	— 2	19·6	17·7	0·0	...	8·6	5·1
2	1008·6	+ 0·1	29·6	19·5	10·1	24·4	— 0·4	3·4	18·6	— 0·4	70	0	21·2	16·3	1·1	5	9·3	3·0
3	1008·5	+ 0·1	29·3	20·0	9·3	24·2	— 0·7	3·4	18·4	— 0·7	70	0	21·0	17·2	0·0	...	9·0	4·1
4	1010·1	+ 1·8	30·0	19·2	10·8	23·8	— 1·1	3·8	17·3	— 1·8	67	— 4	19·6	17·8	0·0	...	8·2	3·6
5	1008·4	+ 0·2	28·9	17·8	11.1	23·6	— 1·8	3·3	17·9	— 1·3	71	0	20·3	15·9	0·0	...	8·0	5·3
6	1006·4	— 1·8	30·5	18·4	12·1	24·2	— 0·4	3·3	18·5	— 0·8	71	0	21·1	15·1	0·0	...	7·5	6·3
7	1006·7	— 1·4	32·4	19·6	12·8	25·8	+ 0·7	4·0	19·0	— 0·4	66	— 5	21·8	15·7	0·0	...	8·9	6·5
8	1008·3	+ 0·3	32·3	21·8	10·5	26·3	+ 1·2	3·5	20·4	+ 1·0	70	— 1	23·7	18·6	0·0	...	8·0	4·3
9	1008·9	+ 0·9	32·1	20·4	11·7	26·0	+ 0·8	3·4	20·3	+ 0·8	71	0	23·6	17·5	0·0	...	7·2	5·9
10	1008·0	+ 0·1	31·7	20·0	11·7	25·4	+ 0·2	3·8	18·9	— 0·7	67	— 4	21·6	16·5	0·0	...	9·0	3·3
11	1008·1	+ 0·3	31·5	20·4	11·1	25·4	+ 0·1	4·4	17·9	— 1·7	63	— 8	20·3	15·5	0·0	...	9·0	4·0
12	1008·6	+ 0·8	31·6	19·9	11·7	25·3	0·0	4·1	18·3	— 1·4	65	— 7	20·8	15·5	0·0	...	9·0	5·7
13	1008·8	+ 1·1	31·9	20·0	11·9	25·7	+ 0·4	4·2	18·5	— 1·2	65	— 7	21·1	17·5	0·0	...	8·6	5·1
14	1008·6	+ 1·0	30·9	19·5	11·4	24·1	— 1·3	3·1	18·8	— 1·0	72	0	21·5	18·1	0·0	...	8·0	6·5
15	1008·6	+ 1·0	29·7	21·5	8·2	25·1	— 0·3	3·6	19·0	— 0·9	69	— 3	21·8	18·2	0·0	...	5·3	7·7
16	1008·8	+ 1·3	28·8	20·9	7·9	24·9	— 0·5	3·4	19·1	— 0·8	70	— 2	21·9	19·2	10·3	123	4·3	9·3
17	1008·5	+ 1·0	29·1	20·8	8·3	24·1	— 1·3	2·9	19·1	— 0·9	74	+ 2	21·9	19·6	2·4	80	7·2	8·2
18	1008·8	+ 1·4	29·2	21·7	7·5	24·7	— 0·8	3·1	19·4	— 0·6	72	0	22·3	19·8	6·4	110	7·4	6·9
19	1009·0	+ 1·7	29·5	22·1	7·4	25·2	— 0·3	3·7	18·9	— 1·2	68	— 4	21·6	19·9	0·0	...	7·6	8·1
20	1009·0	+ 1·7	30·4	23·0	7·4	25·7	+ 0·2	2·9	20·8	+ 0·7	74	+ 2	24·3	20·7	11·8	55	10·4	8·2
21	1008·8	+ 1·6	29·0	22·9	6·1	25·3	— 0·3	2·8	20·5	+ 0·3	75	+ 2	23·9	20·0	10·0	60	8·0	7·0
22	1008·1	+ 0·9	30·8	21·4	9·4	25·5	— 0·1	3·3	19·9	— 0·3	71	— 2	23·0	18·5	0·0	...	7·8	5·1
23	1007·6	+ 0·5	30·8	20·8	10·0	25·3	— 0·3	2·9	20·4	+ 0·1	74	+ 1	23·7	17·7	0·0	...	5·2	5·2
24	1007·6	+ 0·6	30·0	20·3	9·7	24·4	— 1·2	2·5	20·1	— 0·2	77	+ 4	23·3	17·6	0·0	...	4·4	5·7
25	1006·4	— 0·6	27·6	21·8	5·8	23·6	— 2·1	1·5	21·0	+ 0·7	85	+ 12	24·6	19·2	22·6	150	4·1	8·3
26	1005·1	— 1·8	27·9	21·8	6·1	24·4	— 1·3	2·3	20·4	0·0	78	+ 5	23·7	20·6	0·0	...	5·0	9·3
27	1003·9	— 2·9	26·9	21·7	5·2	24·0	— 1·7	1·5	21·4	+ 1·0	85	+ 12	25·2	20·4	9·8	150	4·6	9·8
28	1003·8	— 2·9	27·3	22·1	5·2	24·3	— 1·4	1·0	22·6	+ 2·1	90	+ 17	27·1	21·6	26·7	345	1·3	9·7
29	1004·2	— 2·5	25·8	22·7	3·1	24·3	— 1·5	0·6	23·3	+ 2·8	94	+ 20	28·3	21·7	79·3	526	1·0	9·7
30	1005·2	— 1·4	29·0	23·2	5·8	25·5	— 0·3	1·4	23·1	+ 2·5	87	+ 13	28·0	20·8	0·2	30	4·2	9·4
31	1006·3	— 0·3	31·4	21·9	9·5	25·9	+ 0·1	2·0	22·5	+ 1·9	82	+ 8	27·0	18·4	0·0	...	6·2	5·4
Mean	1007·7	+ 0·2	29·8	20·9	8·9	24·8	— 0·6	3·0	19·8	— 0·1	73·6	+ 1·6	22·9	18·4	Sum 180·6	Sum 1634	6·8	6·5
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 1924.

The conditions which characterised the weather of November have continued into the month of December—unusual stability in all elements, intense local convection and low wind velocities. Observations received from ships by wireless and from Rodrigues and Seychelles have indicated nearly uniform pressure conditions right up to the Equator, pressure gradients across this portion of the South Indian Ocean being very slight during the greater part of the month, with the exception of the period between the 7th and 13th when gradients steepened towards Seychelles and Madagascar.

The slight oscillation of pressure at the beginning of the month between the 3rd and 8th was apparently associated with a V shaped depression belonging to the Southern anticyclonic belt.

The fall of pressure which culminated on the 28th became localised S. W. of Mauritius in a nearly stationary cyclonic circulation, producing heavy rainfall at Reunion and Mauritius and throwing up a heavy surf on the S. W. coast. At the same time the Madagascar Observatory stated that a depression occurred in the Mozambique Channel.

In the mean for the month pressure was slightly above normal; Temperature was slightly below in the mean, but was above from the 7th to the 13th; Relative Humidity was practically normal until the fall of pressure on the 25th and was much above normal afterwards in consequence of the heavy rains from the 25th to the 30th.

Rainfall was 50% above normal at the Observatory and fell on 11 days. Cloudiness was 20% above normal and Sunshine 12% below.

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

Northern Districts	River System 1,	38 % above	
Eastern Districts	,, ,, 2, 3, 4,	54 % ,,	
South-Eastern Districts	,, ,, 5 & 9	48 % ,,	
Western Districts	River System 11	52% above	
	,, ,, 12	83% ,,	
	,, ,, 13	65% ,,	

January 10, 1925

TABLE VI.—DAILY RESULTS of METEOROLOGICAL OBSERVATIONS made during the month of DECEMBER 1924.

Month and Day 1924.	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	8·0	60	− 0·6	+ 3·3	80	3·3	3·5	+ 0·1	24·4	24·7	26·1	26·4	...	25·7	25·7	: c b.
2	12·5	94	+ 0·5	+ 2·3	102	2·3	2·6	− 0·8	24·4	24·8	26·1	26·7	...	26·2	25·6	b : cp.
3	12·3	92	+ 0·4	+ 2·4	100	2·4	2·7	− 0·7	24·4	24·6	26·1	26·9	...	26·9	26·9	c.f. .
4	9·3	70	− 0·8	+ 2·5	72	2·6	2·8	− 0·6	24·4	24·6	26·3	27·1	...	27·0	26·8	c.f. b.
5	7·2	54	0·0	+ 1·9	90	1·9	2·1	− 1·3	24·4	24·7	26·4	26·9	...	26·1	26·0	b : c.f. : c. .
6	9·4	71	+ 0·4	− 0·6	236	0·7	1·9	− 1·5	24·4	24·7	26·4	26·7	...	26·3	26·3	b : c. .
7	10·1	76	+ 1·0	+ 0·6	149	1·2	2·1	− 1·3	24·4	24·9	26·4	26·8	...	26·9	27·1	b : c. .
8	10·6	80	+ 2·2	+ 0·8	160	2·3	2·6	− 0·8	24·4	24·8	26·5	27·5	...	27·4	27·8	b. : c.f. : b.
9	8·0	60	+ 1·8	+ 0·4	167	1·8	2·3	− 1·1	24·4	24·9	26·7	27·8	...	27·0	26·9	b. : c.f. : c. .
10	12·7	95	+ 0·7	+ 1·6	114	1·7	2·2	− 1·2	24·4	24·9	26·8	27·8	...	27·2	27·3	b. : c.f. : b.
11	10·8	81	+ 0·5	+ 1·5	108	1·6	1·9	− 1·5	24·4	24·9	26·9	27·8	...	27·3	27·5	b. : c.f. : c.
12	10·9	82	+ 0·9	+ 1·6	119	1·8	2·1	− 1·3	24·5	25·1	27·0	28·2	...	27·5	27·5	c.f. c.
13	9·0	68	+ 0·9	+ 0·3	162	1·0	1·8	− 1·6	24·5	24·9	27·1	28·3	...	27·4	27·8	b. : c.f. .
14	6·0	45	− 0·4	+ 0·3	37	0·5	1·8	− 1·7	24·5	24·9	27·2	28·2	...	27·3	27·5	b. : c.f. o. c.f.
15	8·8	66	− 1·4	+ 3·3	67	3·6	3·6	+ 0·1	24·4	25·1	27·3	27·7	...	27·3	27·5	c.f. : c. .
16	4·6	35	− 1·2	+ 3·7	72	3·9	4·0	+ 0·5	24·4	25·1	27·3	27·9	...	27·3	27·6	o. r.
17	7·1	53	− 0·4	+ 2·5	81	2·6	2·7	− 0·8	24·4	25·1	27·3	27·9	...	27·3	27·2	o.r. c. : cf.
18	8·6	65	− 0·9	+ 3·9	77	4·0	4·1	+ 0·6	24·4	25·1	27·4	27·7	...	27·2	27·0	o.p. c. : c.f.
19	7·6	57	− 0·1	+ 3·2	88	3·2	3·3	− 0·2	24·5	25·2	27·3	27·5	...	27·1	27·1	c.f. : o : c. .
20	8·1	61	− 0·7	+ 2·9	76	3·0	3·0	− 0·5	24·5	25·3	27·3	27·6	...	27·6	27·7	c.f. : : o.p. .
21	8·8	66	+ 0·6	+ 3·1	101	3·1	3·2	− 0·3	24·5	25·3	27·3	27·9	...	27·5	27·5	o.r. c.f. .
22	10·5	79	+ 0·3	+ 2·1	98	2·1	2·3	− 1·2	24·5	25·3	27·3	27·8	...	27·7	28·0	b. : c.f. : .
23	5·5	41	+ 0·7	0·0	180	0·7	1·4	− 2·1	24·5	25·3	27·4	27·9	...	27·7	27·8	b. : c.f. : o : b.
24	4·2	32	+ 0·6	+ 0·1	170	0·6	1·9	− 1·6	24·5	25·3	27·5	27·8	...	27·7	27·3	b. : c.f. : o : cf.
25	1·0	8	− 0·3	+ 1·4	78	1·4	1·7	− 1·8	24·5	25·1	27·4	27·4	...	26·8	26·6	c.f. : o.r. op. .
26	1·2	9	+ 0·2	+ 1·9	96	1·9	2·0	− 1·5	24·5	25·4	27·3	26·8	...	26·4	26·3	o. .
27	0·1	1	− 0·2	+ 1·9	84	1·9	2·2	− 1·3	24·5	25·3	27·2	26·9	...	26·4	26·2	o.r. op. .
28	0·0	0	+ 1·4	+ 1·2	139	1·8	2·7	− 0·8	24·5	25·5	27·1	26·6	...	25·9	25·5	o.r. .
29	0·0	0	+ 2·8	− 0·4	188	2·8	3·0	− 0·5	24·4	25·4	27·0	26·0	...	25·0	24·6	o.r.l. .
30	2·5	19	+ 2·4	+ 0·2	175	2·4	2·5	− 1·0	24·6	25·7	26·7	25·7	...	25·6	25·7	o.r. .
31	9·9	74	+ 1·2	− 0·6	207	1·3	1·8	− 1·7	24·5	25·7	26·6	26·4		26·6	27·3	c.f. : o : c.f. : b.
Mean	7·27	54·6	+0·41	+1·59	104·5	1·64	2·51	− 0·95	24·45	25·08	26·94	27·31	...	26·88	26·89	...
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 1924.

Element	Highest			Date		Lowest		Date
Atmospheric Pressure	1011·3 mbs	at	0h	on	1st	1002·6 mbs	at 16h	on 27th
Temperature of the Air	32·4C	at	14h	on	7th	17·8C	at 3h	on 5th
Daily range of temperature of the Air...	12·8C		...	on	7th	3·1C	...	on 29th
Temperature of the Dew Point	24·1C	at	12h14h	on	28th,29th	15·4C	at 13h	on 1st
Daily range of temperature of the Dew Point	5·0C		...	on	7th	1·2	...	on 26th
Relative humidity...	98.3	at	12h	on	29th	39.2	at 15h	on 11th
Wind Velocity	7·7 m.p.s.	at	14h	on	18th	0·6mps	...	often
Rainfall	101·0 m.m.	ending	16h	on	29th	...	...	...
Temperature of the soil at 3 ins. ...	30·1C	at	18h	on	11th	23·6C	at 9h	on 2nd
,, ,, at 6 ins. ...	29·8C	at	15h	on	4th	24·7C	at 12h	on 29th
Duration of sunshine...	12·7 hrs.		...	on	10th	0·0 hrs.	...	on 28th,29th
Amount of Evaporation in 24 hours	10·4mm.		...	on	20th	1·0 m.m.	...	on 29th
Vapour Tension	29·7 mbs	at	12h14	on	28th,29th	17·3 mbs	at 13h	on 1st
Minimum on Grass	...		...		...	15·1C	...	on 6th

Number of Days Overcast, 12, Clear 1, of Rain 11, of Lightning 1, of Thunderstorm 0.

Mean Day Temperature of Air 27·18C, Average 27·69C, Mean Night Temperature of Air 22·51C, Average 23·68C.

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

† Thermometer broken.

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

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

DECEMBER 1924.

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	0113	0100	0089	0099	0101	0078	0071	0081	0097	0089	0091	0096	0099	0092	0089	0094	Midnight
1h	0108	0094	0086	0097	0097	0068	0065	0076	0089	0086	0084	0091	0095	0089	0084	0090	1h
2	0104	0090	0080	0091	0090	0063	0060	0074	0088	0081	0078	0088	0089	0085	0081	0086	2
3	0102	0088	0081	0091	0089	0060	0059	0071	0085	0080	0074	0084	0087	0081	0079	0086	3
4	0101	0088	0081	0093	0088	0059	0057	0070	0083	0080	0076	0081	0087	0078	0077	0080	4
5	0102	0088	0081	0095	0089	0060	0058	0072	0086	0081	0078	0082	0088	0077	0077	0081	5
6	0108	0091	0087	0102	0096	0065	0066	0079	0092	0082	0085	0088	0091	0084	0080	0087	6
7	0110	0098	0090	0108	0098	0068	0069	0087	0098	0088	0089	0091	0097	0089	0087	0090	7
8	0110	0097	0089	0108	0098	0068	0072	0091	0097	0089	0090	0094	0097	0090	0090	0091	8
9	0109	0096	0089	0108	0097	0068	0074	0091	0097	0089	0090	0092	0095	0091	0091	0091	9
10	0103	0094	0089	0107	0092	0068	0072	0090	0096	0088	0089	0089	0091	0092	0091	0091	10
11	0102	0089	0086	0106	0090	0066	0069	0088	0091	0087	0085	0088	0088	0090	0090	0089	11
Noon	0099	0087	0081	0102	0080	0062	0067	0087	0090	0079	0078	0086	0082	0087	0087	0089	Noon
13h	0095	0079	0077	0097	0075	0057	0061	0079	0088	0074	0072	0080	0079	0085	0084	0086	13h
14	0091	0075	0075	0092	0071	0055	0059	0076	0081	0068	0067	0077	0077	0081	0079	0081	14
15	0090	0070	0070	0090	0068	0053	0056	0070	0078	0067	0061	0071	0076	0079	0077	0077	15
16	0089	0068	0070	0091	0066	0053	0056	0069	0076	0061	0060	0071	0073	0077	0077	0077	16
17	0090	0070	0074	0096	0067	0056	0057	0071	0076	0060	0066	0070	0078	0077	0078	0078	17
18	0094	0075	0078	0100	0070	0060	0061	0080	0080	0067	0071	0078	0082	0081	0087	0083	18
19	0099	0081	0088	0106	0077	0066	0068	0089	0090	0076	0083	0087	0090	0086	0091	0089	19
20	0101	0087	0092	0109	0079	0067	0072	0092	0097	0081	0091	0091	0092	0090	0096	0096	20
21	0103	0089	0097	0109	0079	0073	0078	0098	0097	0089	0097	0096	0096	0095	0097	0095	21
22	0106	0091	0099	0111	0087	0075	0081	0099	0097	0093	0098	0101	0098	0096	0099	0097	22
23	0105	0090	0100	0109	0082	0074	0085	0099	0097	0092	0098	0101	0097	0095	0100	0099	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	0096	0096	0089	0093	0095	0092	0082	0084	0074	0059	0045	0040	0044	0054	0062	1008·3	Midnight
1h	0087	0091	0087	0087	0089	0088	0077	0078	0069	0056	0039	0037	0034	0044	0058	1007·8	1h
2	0087	0089	0084	0085	0087	0085	0070	0075	0065	0050	0035	0033	0029	0043	0056	1007·4	2
3	0086	0086	0080	0086	0082	0083	0066	0068	0060	0047	0034	0028	0028	0046	0055	1007·2	3
4	0085	0085	0080	0085	0079	0082	0065	0065	0059	0045	0029	0028	0026	0045	0054	1007·1	4
5	0086	0085	0085	0087	0083	0081	0067	0066	0060	0050	0033	0031	0027	0047	0056	1007·2	5
6	0082	0088	0091	0091	0090	0087	0076	0074	0066	0058	0037	0039	0029	0056	0060	1007·8	6
7	0088	0091	0097	0095	0096	0088	0081	0078	0069	0058	0040	0040	0038	0058	0066	1008·2	7
8	0089	0095	0097	0098	0097	0088	0086	0080	0071	0058	0045	0044	0046	0060	0070	1008·4	8
9	0090	0094	0100	0098	0096	0088	0090	0080	0071	0057	0046	0045	0051	0059	0075	1008·4	9
10	0089	0092	0099	0097	0095	0089	0088	0079	0071	0056	0047	0046	0051	0058	0076	1008·3	10
11	0088	0090	0095	0095	0093	0088	0087	0078	0070	0055	0047	0046	0054	0056	0069	1008·1	11
Noon	0085	0086	0090	0089	0088	0083	0079	0074	0067	0047	0042	0045	0047	0049	0065	1007·7	Noon
13h	0077	0084	0088	0087	0086	0079	0077	0072	0064	0047	0040	0037	0045	0047	0059	1007·3	13h
14	0075	0076	0086	0086	0080	0071	0074	0071	0060	0046	0038	0034	0040	0045	0057	1006·9	14
15	0069	0076	0084	0084	0076	0065	0067	0070	0057	0044	0036	0029	0042	0043	0050	1006·6	15
16	0069	0075	0080	0080	0075	0064	0060	0069	0056	0041	0026	0028	0037	0042	0049	1006·4	16
17	0076	0078	0086	0085	0077	0065	0062	0070	0057	0044	0027	0028	0039	0044	0052	1006·6	17
18	0078	0085	0088	0087	0084	0068	0066	0076	0059	0045	0034	0037	0040	0044	0057	1007·1	18
19	0087	0090	0090	0090	0088	0075	0071	0079	0064	0051	0039	0042	0047	0047	0065	1007·7	19
20	0090	0094	0096	0093	0093	0079	0078	0085	0063	0054	0046	0046	0048	0057	0070	1008·1	20
21	0094	0095	0096	0095	0094	0085	0084	0087	0062	0059	0047	0046	0054	0062	0073	1008·5	21
22	0096	0096	0097	0096	0098	0089	0086	0087	0064	0059	0049	0046	0056	0069	0075	1008·7	22
23	0097	0097	0094	0097	0097	0087	0087	0085	0062	0055	0045	0047	0057	0065	0069	1008·6	23

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

Hour. \ Day.	DECEMBER 1924.																															
	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
Mdinight	4	1	5	2	0	3	1	4	0	3	1	5	4	1	5	9	10	10	5	5	10	2	2	0	2	9	10	9	10	10	5	4·7
1h	5	1	6	2	0	2	1	1	1	2	1	4	3	2	5	9	10	10	5	6	10	2	2	0	2	9	10	9	10	10	4	4·6
2	3	1	5	3	1	1	2	1	1	2	1	3	2	2	6	9	10	10	6	6	8	3	2	0	3	9	10	9	10	10	3	4·6
3	2	2	5	4	1	1	2	2	1	2	1	3	2	3	8	10	10	10	6	8	5	3	2	0	4	9	10	9	10	10	4	4·8
4	2	1	6	3	2	2	2	2	1	2	1	2	2	3	7	7	10	9	7	7	7	2	2	2	5	9	10	9	10	10	4	4·8
5	2	2	5	3	2	6	3	2	1	2	2	2	2	3	8	7	10	9	7	7	7	2	2	2	5	9	10	9	10	10	4	5·0
6	2	2	4	3	3	9	8	2	1	2	4	2	3	3	9	9	10	8	9	5	8	2	3	4	9	9	10	9	10	10	5	5·7
7	3	3	4	3	4	9	8	4	3	3	5	3	3	4	3	7	9	6	10	8	9	3	3	5	9	9	10	9	10	10	6	6·0
8	5	2	3	3	6	9	7	6	7	6	6	7	6	6	9	7	9	7	10	8	8	5	5	7	9	9	10	10	10	10	7	7·1
9	7	3	5	4	7	9	8	8	7	7	6	7	7	8	9	9	8	8	10	7	8	7	7	7	9	9	10	10	10	10	10	7·8
10	6	3	6	4	7	9	7	7	7	7	4	7	6	8	9	9	8	8	10	8	8	7	7	10	10	9	10	10	10	10	10	7·8
11	8	3	4	5	6	8	6	7	7	7	3	7	6	8	9	10	8	7	10	8	8	7	8	9	10	9	10	10	10	10	9	7·7
Noon	8	2	4	4	6	8	6	7	9	7	2	7	6	9	8	9	8	7	10	7	8	7	9	9	10	9	10	10	10	10	10	7·6
13h	9	3	3	2	8	8	7	8	10	7	2	7	6	9	8	10	8	7	9	9	7	8	10	10	10	9	10	10	10	10	9	7·8
14	9	2	3	3	5	8	8	7	10	6	1	5	7	10	9	10	9	7	9	9	7	8	10	10	10	9	10	10	10	10	8	7·7
15	8	2	5	3	6	8	8	9	7	4	1	4	7	10	8	10	10	9	7	10	7	8	10	10	10	10	10	10	10	10	7	7·7
16	7	2	6	4	7	7	8	8	7	2	3	6	7	9	6	10	8	8	7	10	7	8	10	10	10	9	10	10	10	10	6	7·5
17	8	2	6	7	8	7	9	6	8	1	5	7	7	9	7	10	7	7	7	10	8	9	9	9	10	9	10	10	9	10	5	7·6
18	7	2	5	8	7	8	9	4	9	1	7	8	6	9	9	10	6	6	9	10	9	8	9	9	10	9	10	10	9	10	4	7·6
19	6	4	4	6	8	8	9	3	9	1	7	9	7	9	9	10	5	5	9	10	7	6	9	8	10	10	10	10	9	9	4	7·4
20	5	6	3	5	9	9	10	2	10	2	8	9	8	8	8	10	4	3	9	9	5	5	3	6	10	10	10	10	8	8	3	6·9
21	4	8	2	4	9	9	10	2	10	1	9	9	9	8	8	10	4	2	9	9	5	5	1	5	9	10	9	10	8	9	3	6·8
22	2	7	1	2	8	4	9	1	9	1	8	8	7	7	8	10	6	2	8	9	3	3	1	3	9	10	9	10	9	7	2	5·9
23	1	6	1	1	6	1	6	1	6	1	7	6	3	6	9	10	9	3	7	10	2	2	0	2	9	10	9	10	10	5	0	5·1

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

Hour* Ending \ Day.	DECEMBER 1924.																															
	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	15	14	9	12	4	0	2	6	20	19	0	9	2	5	0	0	0	0	0	10	0	20	12	8	0	0	0	0	0	0	0	2·6
7	60	60	60	60	60	15	55	60	60	60	38	60	58	60	15	45	1	59	1	35	38	55	55	8	26	10	0	0	0	0	50	19·4
8	60	60	60	60	60	60	56	55	60	60	36	35	60	60	40	60	1	36	18	58	12	60	60	45	11	0	0	0	0	14	50	20·8
9	60	60	60	60	60	50	52	55	25	60	55	50	60	50	35	60	35	50	35	60	48	60	52	50	9	10	0	0	0	55	37	22·5
10	60	60	60	60	60	60	60	60	54	60	60	60	50	48	39	45	50	60	50	60	40	60	30	20	12	36	1	0	0	20	45	23·0
11	54	60	60	60	60	46	60	60	60	60	60	60	50	48	41	35	58	34	55	60	55	60	50	24	0	9	0	0	0	9	45	22·2
Noon	7	60	60	60	60	14	60	60	60	60	60	60	45	50	55	25	45	50	45	60	60	60	40	46	0	5	0	0	0	10	50	21·1
13h	5	60	60	60	47	50	60	22	31	60	60	60	60	17	60	5	60	51	21	60	60	60	25	50	0	0	0	0	0	38	55	19·9
14	29	60	60	60	20	35	60	23	33	60	60	60	46	10	60	0	60	60	46	50	50	60	0	0	0	1	0	0	0	1	50	17·6
15	43	60	60	30	0	60	60	60	32	60	60	55	12	0	60	2	50	50	53	13	40	60	8	0	0	0	0	0	0	0	45	16·2
16	10	60	60	36	0	60	45	60	18	60	60	50	36	0	60	1	10	20	55	31	60	55	0	0	0	0	0	0	0	0	50	15·0
17	26	60	60	0	1	60	18	50	6	60	60	60	35	12	60	0	0	20	50	0	45	15	0	0	0	0	2	0	2	0	55	12·6
18	50	60	60	0	0	30	5	38	20	60	40	35	22	0	0	0	55	15	28	0	22	2	0	0	0	0	0	0	0	0	55	10·0
19	2	16	8	0	0	22	14	30	2	22	0	0	2	0	2	0	1	14	0	0	0	0	0	0	0	0	0	0	0	0	7	2·4

The total amount of registered sunshine was 225·3 hours and the total possible sunshine 412·3 hours.

* Reckoned from apparent midnight.

TABLE X.—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 1924.

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	
Midnight	21·4	1·7	21·4	1·5	22·2	1·1	20·9	1·5	19·2	1·2	21.2	1·5	20·2	1·0	23·3	1·3	Midnight
1h	21·2	1·7	21·1	1·1	21·7	1·0	20·3	1·2	18·9	1·1	20·2	1·2	19·9	1·3	22·9	1·2	1
2	21·1	1·8	21·0	1·1	21·0	1·0	20·0	1·2	18·0	0·7	19·4	1·2	20·1	1·4	22·4	1·2	2
3	21·0	2·0	20·4	1·0	20·8	0·9	20·0	1·2	17·8	0·8	19·0	1·0	20·5	1·6	22·0	1·0	3
4	20·6	1·8	20·0	1·0	20·7	0·8	20·0	1·2	18·0	0·7	18·7	0·7	20·2	1·5	22·0	1·0	4
5	20·1	1·5	19·6	0·8	20·2	0·8	19·7	0·7	19·0	1·0	18·5	0·4	19·7	1·5	22·0	0·8	5
6	22·0	2·2	20·2	1·0	21·7	0·8	21·2	1·4	20·8	1·0	19·2	0·2	21·0	1·5	23·0	0·8	6
7	23·9	4·0	23·8	2·4	23·6	2·2	23·8	3·1	23·0	2·0	22·0	1·3	24·2	2·1	25·8	1·9	7
8	24·9	4·9	24·8	3·4	24·9	3·6	26·0	5·3	25·6	4·2	25·0	3·6	26·5	4·0	26·9	3·6	8
9	25·9	5·7	26·9	5·6	25·7	4·0	27·2	6·4	26·5	5·5	26·2	4·2	27·5	5·1	28·6	5·0	9
10	26·9	5·9	28·0	6·2	27·2	5·1	27·7	6·7	26·9	5·5	28·2	5·3	28·8	6·1	29·0	5·5	10
11	26·2	5·2	28·0	6·1	28·0	6·5	27·7	6·7	27·5	6·0	28·6	5·7	30·0	7·3	29·7	5·7	11
Noon	26·3	5·9	28·2	6·3	28·8	6·7	27·7	6·7	28·0	6·5	29·2	6·2	30·5	7·7	31·4	7·3	Noon
13h	27·3	7·1	29·0	7·1	28·2	7·0	28·5	7·2	28·0	6·5	30·2	7·0	31·9	8·8	31·3	7·2	13h
14	27·5	6·8	28·8	6·9	28·0	6·8	28·0	7·0	27·1	5·8	29·0	6·1	32·4	9·4	31·8	7·7	14
15	26·1	5·4	28·0	6·1	28·0	6·7	27·0	6·2	26·7	5·3	29·8	6·8	32·0	8·0	32·0	7·3	15
16	26·0	5·8	27·7	5·8	27·2	6·0	26·4	5·8	26·2	4·8	28·7	5·9	30·3	6·8	30·1	6·0	16
17	25·9	5·8	26·9	5·2	27·1	5·9	25·9	5·8	25·9	4·6	27·2	5·2	28·3	4·8	28·0	4·6	17
18	24·5	4·2	25·3	3·8	25·2	4·2	24·9	4·8	25·1	4·1	26·1	4·1	27·7	4·3	27·8	4·4	18
19	23·0	3·0	24·0	2·7	23·9	3·5	23·8	3·9	24·4	2·9	25·7	4·2	26·8	4·1	26·3	3·2	19
20	22·5	2·3	23·2	2·1	22·3	2·3	22·7	3·1	24·3	2·5	23·1	2·4	26·0	3·5	25·0	2·3	20
21	22·2	1·9	23·0	1·5	21·7	1·9	21·9	2·2	24·0	2·3	23·0	1·9	24·5	1·8	24·0	2·2	21
22	21·8	1·8	22·7	1·4	21·1	1·6	20·4	1·3	22·9	1·9	21·9	1·9	24·2	1·5	22·9	1·7	22
23	21·2	1·3	22·2	1·2	21·4	1·6	19·9	1·2	21·4	1·6	20·9	1·2	24·4	1·4	22·4	1·4	23

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

TABLE X. (*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 1924

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

Day. / Hour.	25d. Air.	25d. Excess of Air over Evap.	26d. Air.	26d. Excess of Air over Evap.	27d. Air.	27d. Excess of Air over Evap.	28d. Air.	28d. Excess of Air over Evap.	29d. Air.	29d. Excess of Air over Evap.	30d. Air.	30d. Excess of Air over Evap.	31d. Air.	31d. Excess of Air over Evap.	Mean Air.	Mean Excess of Air over Evap.	Day. / Hour.
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Midnight	22·7	1·5	22·1	0·9	22·9	1·8	22·2	0·6	23·1	0·3	23·7	0·6	23·2	0.5	22·2	1·3	Midnight
1h	22·7	1·4	22·4	0·9	22·9	1·5	22·1	0·4	23·2	0·3	23·6	0·6	23·2	0·5	21·9	1·2	1h
2	22·2	1·1	22·7	1·0	22·7	1·1	22·4	0·5	24·5	0·5	23·4	0·4	23·3	0·6	21·7	1·2	2
3	22·1	1·0	22·7	0·9	22·9	1·1	22·7	0·7	24·4	0·4	23·9	0·5	22·8	0·7	21·6	1·1	3
4	22·1	1·0	22·7	0·9	22·7	0·7	22·9	0·8	23·1	0·3	23·6	0·5	22·3	0·4	21·4	1·1	4
5	22·3	1·2	22·5	1·1	22·4	1·0	23·1	0·4	24·4	0·4	23·3	0·4	22·2	0·5	21·3	1·0	5
6	22·0	1·0	21·9	0·9	22·7	1·0	23·7	0·7	24·8	0·7	23·2	0·3	22·0	0·5	21·8	1·1	6
7	24·1	2·0	23·0	1·5	23·4	1·3	24·1	0·8	24·9	0·7	24·8	0·7	25·0	1·0	24·1	2·0	7
8	25·2	2·9	24·0	2·1	24·2	1·3	24·6	0·9	24·9	0·7	26·0	0·7	26·1	1·1	25·7	3·3	8
9	25·7	2·3	25·8	3·3	24·9	1·6	24·4	0·6	23·0	0·8	26·9	1·8	26·7	2·0	26·7	4·2	9
10	26·0	3·0	27·0	3·8	25·9	1·9	24·7	0·7	23·6	0·6	26·8	2·1	27·7	2·6	27·6	4·8	10
11	24·2	0·9	27·2	3·9	26·3	3·0	23·0	1·0	24·1	0·8	28·0	2·4	29·9	4·1	28·1	5·1	11
Noon	25·0	1·7	27·7	4·6	26·7	3·4	26·0	1·1	24·2	0·2	28·2	2·4	30·2	4·2	28·6	5·5	Noon
13h	25·2	2·2	27·5	4·1	26·2	2·7	26·4	1·4	25·0	0·6	28·2	2·8	30·1	4·1	28·8	5·7	13h
14	25·7	2·7	27·3	4·2	24·8	1·7	27·1	2·2	25·5	0·8	28·3	2·9	29·5	4·0	28·4	5·5	14
15	24·9	1·7	26·4	3·6	25·0	1·3	27·1	2·1	23·2	0·3	28·0	2·6	29·1	4·1	27·9	5·1	15
16	24·7	1·4	25·9	3·0	25·4	1·8	26·5	1·8	24·9	0·7	27·8	2·8	29·0	4·0	27·6	4·8	16
17	24·0	1·7	25·6	3·2	25·5	1·6	25·5	2·3	25·1	0·8	27·0	2·2	29·0	4·1	26·7	4·3	17
18	23·8	1·3	25·3	3·0	25·5	1·7	25·6	1·8	25·0	0·9	26·5	1·6	27·3	3·0	25·9	3·5	18
19	23·4	1·0	24·2	1·9	25·0	1·4	23·2	0·8	24·3	0·5	25·9	1·2	26·0	2·0	24·9	2·8	19
20	22·9	1·0	23·0	1·3	21·9	0·8	22·9	0·7	24·3	0·4	24·9	1·0	25·3	1·4	24·0	2·3	20
21	22·4	1·0	22·9	1·2	21·9	0·8	23·0	0·3	24·3	0·5	24·4	0·7	24·7	1·4	23·6	1·9	21
22	22·3	1·2	22·9	1·2	22·0	0·6	24·3	0·4	24·3	0·4	23·8	0·8	24·0	1·0	23·1	1·6	22
23	22·0	1·0	22·7	1·6	22·1	0·7	24·5	0·4	24·0	0·5	23·3	0·6	23·9	0·9	22·7	1·5	23

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

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

DECEMBER 1924.

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	919	890	914	902	912	894	914	890	915	893	905	885	903	900	911	Midnight
1h	892	919	890	914	891	913	895	911	892	910	891	907	886	906	900	912	1h
2	892	919	890	915	888	918	895	912	889	917	888	909	886	906	900	909	2
3	894	915	890	915	892	911	895	911	893	909	885	910	889	911	900	911	3
4	892	918	889	916	892	910	892	918	892	910	893	910	889	908	900	911	4
5	892	918	889	916	893	910	891	921	891	912	890	915	884	911	900	915	5
6	890	925	891	913	896	921	890	924	891	912	894	908	891	907	900	914	6
7	893	934	900	923	900	924	892	918	891	921	896	906	894	904	908	919	7
8	900	954	910	923	908	941	892	919	900	932	897	905	911	908	922	922	8
9	900	954	921	932	916	939	892	938	900	940	912	895	924	915	937	925	9
10	921	951	914	936	915	937	905	922	909	944	930	888	932	913	939	916	10
11	900	959	916	939	926	940	909	944	916	939	932	887	938	908	947	900	11
Noon	914	968	913	933	923	935	900	940	908	937	932	893	932	893	949	900	Noon
13h	868	947	922	932	922	933	900	950	922	932	941	883	941	892	955	900	13h
14	900	940	922	933	913	933	900	949	915	937	923	866	939	892	947	910	14
15	900	956	913	934	914	935	883	941	912	919	915	876	935	900	949	910	15
16	891	945	911	929	913	933	885	938	907	917	906	872	926	895	945	900	16
17	892	941	911	926	914	934	865	935	904	918	900	876	922	891	936	907	17
18	882	943	913	933	905	926	883	926	902	912	905	878	918	904	928	900	18
19	891	922	905	923	904	921	884	916	897	906	900	889	909	913	918	904	19
20	893	916	900	918	903	915	889	911	895	903	900	894	902	911	911	902	20
21	890	914	903	913	893	917	889	916	895	903	900	890	903	914	910	902	21
22	890	914	902	911	894	913	891	912	894	904	900	889	900	912	909	902	22
23	890	914	903	913	894	915	888	918	886	910	885	903	900	912	907	901	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	907	901	907	910	891	912	897	907	900	906	894	906	892	908	885	924	Midnight
1h	903	907	891	912	893	909	893	916	900	907	889	911	895	905	885	924	1h
2	902	906	887	913	889	917	894	913	894	908	891	909	893	907	889	929	2
3	903	906	887	913	893	910	896	910	892	911	889	911	900	911	879	921	3
4	895	912	891	909	893	910	894	915	892	911	886	914	893	915	880	920	4
5	890	915	892	908	893	910	893	917	890	915	887	913	888	912	883	925	5
6	893	910	894	906	894	908	895	912	892	911	889	911	889	911	887	933	6
7	896	906	903	916	900	909	900	911	896	907	892	908	884	916	876	936	7
8	913	913	915	923	907	916	915	915	908	919	895	905	877	934	879	950	8
9	925	900	920	920	918	918	926	917	908	918	923	895	887	932	878	952	9
10	936	900	915	924	910	923	933	913	926	911	904	881	883	942	881	946	10
11	948	890	925	925	916	924	918	927	937	915	920	880	889	953	891	946	11
Noon	938	892	935	923	917	926	922	922	935	914	927	882	881	947	900	957	Noon
13h	945	891	934	923	922	932	938	915	934	907	907	867	886	970	900	952	13h
14	942	891	925	925	919	928	927	918	933	887	906	871	879	952	881	946	14
15	944	900	932	922	924	924	927	927	925	875	885	924	900	952	881	947	15
16	936	900	927	918	922	922	925	925	903	884	892	908	878	952	892	939	16
17	931	900	910	923	918	918	917	925	913	881	888	902	878	952	890	949	17
18	928	906	908	919	909	912	904	921	906	886	887	913	874	940	900	943	18
19	920	908	902	911	904	909	903	916	908	892	891	909	880	948	909	943	19
20	910	910	901	907	903	906	902	911	906	898	887	913	883	926	900	929	20
21	910	910	898	911	904	909	903	913	906	898	887	913	878	933	892	940	21
22	904	907	890	915	897	906	901	906	906	903	890	910	889	928	883	926	22
23	904	906	891	912	893	917	901	907	903	915	890	910	882	927	880	920	23

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

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

DECEMBER 1924.

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	908	890	923	891	921	900	922	911	927	893	917	901	907	921	900	Midnight
1h	893	903	908	919	893	916	906	928	900	924	893	916	901	906	918	900	1h
2	893	901	896	919	892	919	900	922	900	931	890	925	902	908	916	900	2
3	892	908	896	921	892	918	900	921	900	921	894	913	903	913	919	900	3
4	903	917	889	926	890	924	900	932	900	927	893	916	894	914	915	900	4
5	900	918	886	934	891	921	900	918	900	930	894	913	894	915	917	900	5
6	900	927	882	927	893	917	900	923	900	934	895	912	896	910	914	900	6
7	889	926	884	940	887	933	904	919	907	934	896	921	897	906	911	900	7
8	887	920	882	944	886	935	920	930	916	940	900	924	905	912	904	918	8
9	886	935	893	936	900	952	913	934	909	943	906	927	925	900	903	913	9
10	900	943	891	946	908	938	915	937	909	942	911	928	921	886	902	912	10
11	893	935	900	964	900	945	917	943	917	941	911	926	921	891	905	922	11
Noon	900	934	900	942	908	940	909	943	909	943	914	934	924	884	913	934	Noon
13h	913	933	900	952	916	940	914	935	913	933	912	931	910	877	925	925	13h
14	914	935	885	976	914	934	922	954	915	938	914	934	894	887	906	930	14
15	913	933	889	953	908	941	915	938	915	938	913	934	897	894	886	906	15
16	907	933	888	958	900	944	910	947	908	937	906	930	898	892	886	890	16
17	892	941	888	959	906	927	918	927	906	931	911	927	913	897	897	883	17
18	891	942	891	945	905	925	904	921	906	930	905	925	909	900	900	884	18
19	895	924	888	931	900	936	903	914	904	921	903	916	906	900	900	892	19
20	893	917	886	936	894	928	900	921	900	921	901	907	906	900	900	886	20
21	892	919	885	938	900	942	896	919	900	919	903	917	910	900	900	888	21
22	888	918	889	928	900	938	896	918	904	918	902	912	915	900	900	880	22
23	885	923	890	923	894	927	906	927	900	916	903	914	913	900	900	871	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.	
Midnight	895	876	896	909	892	908	884	924	934	900	906	901	910	904	898	910	Midnight
1h	893	909	896	910	894	906	882	927	936	864	906	901	910	904	897	910	1h
2	893	909	896	909	891	909	887	919	937	900	907	901	906	903	896	912	2
3	896	907	896	910	891	909	885	923	945	891	907	901	910	904	897	911	3
4	892	911	894	914	887	913	886	922	943	900	907	901	909	904	896	914	4
5	896	907	893	916	880	920	889	917	926	900	911	902	906	903	894	914	5
6	893	909	904	921	891	921	900	924	938	915	912	902	910	904	897	915	6
7	890	914	900	926	892	918	905	926	939	900	907	901	906	902	898	917	7
8	888	918	900	921	894	915	904	921	941	883	924	905	915	907	904	922	8
9	913	913	900	917	909	922	907	916	936	876	942	909	931	894	912	922	9
10	912	931	900	918	921	921	910	915	934	900	943	918	938	892	915	922	10
11	900	922	911	929	910	925	934	900	935	886	959	900	937	892	919	922	11
Noon	903	916	915	924	913	920	924	916	912	900	952	900	931	888	918	922	Noon
13h	900	918	910	924	905	923	938	915	919	904	965	900	936	886	920	920	13h
14	905	923	911	929	905	922	957	912	948	890	945	891	915	876	917	920	14
15	894	914	905	922	904	918	951	910	910	885	945	891	895	877	912	919	15
16	893	909	905	922	900	924	943	909	907	890	935	900	900	881	908	918	16
17	889	916	895	926	900	924	910	902	934	900	934	907	896	881	906	917	17
18	891	912	904	919	900	920	914	906	931	900	924	910	908	882	904	916	18
19	906	914	917	917	911	926	922	891	917	903	909	904	903	895	904	913	19
20	904	920	908	908	900	919	912	900	911	902	906	903	903	895	900	911	20
21	904	919	907	916	886	922	910	900	909	902	908	903	905	893	899	913	21
22	897	916	895	924	887	920	921	900	929	906	908	903	905	893	899	911	22
23	893	916	890	924	882	927	936	900	911	902	908	903	906	892	897	913	23

TABLE XII.—DIRECTION and VELOCITY of the WIND at every HOUR of the DAY as recorded by the ROBINSON CUP ANEMOMETER, during DECEMBER 1924.

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 1924.

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

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

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

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

d = direct. r = retrograde.

TABLE XIII.—RAINFALL at every HOUR of the DAY at the ROYAL ALFRED OBSERVATORY MAURITIUS for DECEMBER 1924.

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

TABLE XIV.—TOTAL MONTHLY RAINFALL at VARIOUS STATIONS in MAURITIUS, grouped according to the RIVER SYSTEMS as indicated on the CHART for the MONTH of DECEMBER 1924.

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	4·32	109·7	83·8	10
	3	Belmont	50	5·40	137·2	74·4	9
	4	Poudre d'Or	20	4·62	117·3	71·4	10
	5	Mon Loisir (R.)§ ...	300	...	...	...	...
	6	Mon Loisir S. E. ...	300	5.56	141·2	102·6	13
	7	Forbach§	300	...	...	...	...
	8	Labourdonnais ...	290	6·13	155·5	104·4	11
	9	Beau Séjour	300	4·94	125·5	134·1	14
	10	Mont Piton	360	7·07	179·6	162·8	14
	11	Mon Choix	700	6·23	158·2	152·4	11
	12	Antoinette	640	8·72	221·5	146·6	15
	13	California§	850	...	...	...	...
	14	Nouvelle Découverte ...	1,400	10·59	269·0	147·3	8
	15	Mon Songe	620	6·11	155·2	157·2	12
	16	La Grande Rosalie§ ...	643	...	...	...	...
	17	The Mount§	325	...	...	...	...
	18	Botanic Gardens ..	325	7·38	187·4	127·8	12
	19	The Observatory ...	179	7·11	180·6	123·4	11
	20	Solitude	175	5.63	143·0	87·4	8
	21	St. André	90	6·91	175·5	99·3	8
	22	Belle Vue Harel§ ...	350	...	...	...	...
	23	Mont Choisy§	10	...	...	...	...
	25	Esperance (Trebuchet)*	165	4·92	125·0	...	8
	28	Mon Rocher§	...	...	...	...	...
	45	Roche Bois Station§ ...	44	...	...	...	...
	46	Riche Terre Station§ ...	106	...	...	...	...
	47	Terre Rouge Station* ...	137	7·56	192·0	...	9
	48	Mapou Station* ..	296	3·17	80·5	...	5
	49	Poudre d'Or Station* ...	172	1·16	29·5	...	9
	50	Rivière du Rempart* ...	134	0·97	24·6	...	4
2 & 3	1	Union Régnard S.E. ...	600	11·11	282·2	147·3	13
	2	Constance d'Arifat L.G.	100	8·17	207·5	118.7	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)§ ...	...	...	...	...	...
	10	St. Julien E(K. Reetoo)§	...	...	...	...	...
4	1	Sans Souci	900	14·92	379·0	249·4	18
	2	Etoile	400	10·37	263·4	203·2	11
	3	Beau Champ	20	8·29	210·6	124·7	9
	4	Belle Rive§	400	...	...	...	...
	5	Olivia	400	9·45	240·0	181·3	13
	6	Deep River§	350	...	...	...	...
	7	Belle Rose Estate§ ...	...	...	...	...	...
	8	Melrose§	...	...	...	...	...
	9	Bonne Veine*	...	15·38	390·9	...	23
5	1	Rose Belle§	850	...	...	...	...
	2	Riche-en-Eau§	460	...	...	...	...
	3	Ferney§	20	...	...	...	...
	4	Beau Vallon§	60	7·99	203·0	166·6	13
	5	Union Vale§	200	...	...	...	...
5 cont.	6	Mon Désert (Carié)* ...	75	6·16	156·5	...	12
	7	Cluny§	1,000	...	...	...	...
	8	Union Park§	...	...	...	...	...
	9	Sauveterre Estate§ ...	...	...	...	...	...
	10	Bananes Estate§ ...	...	...	...	...	...
	1	Kanaka	2,000	12·98	329·7	227·1	18
6	2	Tivoli*	1,300	12·25	310·4	...	14
	3	La Flora*	1,050	10·31	261·8	...	15
	4	Britannia	730	7·09	180·1	230·6	14
	5	Savannah (Mill) ...	200	5·25	133·3	50·8	6
	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.*	...	4·71	119·6	...	7
	15	Fontenelle*	...	5·52	140·2	...	8
	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	15·76	400·3	237·0	17
	3	Mare aux Vacoas ...	1,850	11·52	292·6	267·4	17
	4	La Marie Filter Bed ...	1,700	12·21	310·1	172·7	19
	5	Réunion	1,420	13·29	337·6	203·2	14
12	1	The Manse	850	10·63	270·0	141·7	14
	2	The Bower§	1,080	...	...	...	...
	3	Le Réduit (D. of A.) ...	1,000	12·34	313·4	144·8	28
	4	Alma	1,460	12·77	324·3	259·0	16
	5	Bagatelle§	1,250	...	...	...	...
	6	Highlands*	1,300	12.67	321·8	...	12
	7	Trianon	950	10·34	262·6	156·0	12
	8	Salency§	923	...	...	...	...
	9	La Ferme*	350	9·45	240·0	..	13
	10	Bon Air§	1,050	...	...	...	...
	11	Val Ory	1,100	9·12	231·6	146·8	15
	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	5·22	132·6	80·3	5
	2	Institute*	...	7·18	182·0	...	8

* Normals not available § Record not Received

MONTHLY and YEARLY MEANS and EXTREMES of the METEOROLOGICAL ELEMENTS for the YEAR 1924.

Month 1924.	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.	1005·6	32·7	17·0	15·7	29·4	21·9	7·5	25·3	2·7	20·8	76·3	24·4	314·2	2823	5.9
Feb.	1002·8	30·9	20·6	10·3	29·1	23·4	5·7	25·8	2·3	21·9	79·0	26·1	114·5	1251	5.6
Mar.	1007·2	29·6	19·1	10·5	28·2	22·4	5·8	24·8	2·2	21·1	79·8	24·9	272·3	1705	5.9
Apr.	1005·4	29·4	16·0	13·4	27·4	21·4	6·0	24·1	2·3	20·2	79·2	23·6	78·8	990	4.3
May	1009·7	27·1	15·9	11·2	25·6	20·2	5·4	22·6	2·0	19·1	80·8	22·0	94·0	1115	3.5
June	1013·5	25·0	15·9	9·1	23·9	17·8	6·1	20·6	2·3	16·5	77·8	18·7	37·2	485	3.9
July	1013·2	25·4	14·6	10·8	23·8	17·4	6·4	20·3	2·2	16·3	78·1	18·5	64·7	939	4.1
Aug.	1012·9	25·7	14·0	11·7	23·9	17·7	6·2	20·3	2·2	16·4	78·3	18·5	109·4	1725	4.1
Sep.	1013·4	26·9	12·1	14·8	24·4	16·5	7·9	20·2	3·2	14·5	69·9	16·4	27·2	205	5.8
Oct.	1010·6	27·4	12·9	14·5	25·5	16·5	9·0	20·7	3·4	15·1	70·3	17·1	82·1	860	6.3
Nov.	1009·4	30·2	14·3	15·9	28·0	18·8	9·2	23·1	3·1	17·6	71·6	20·0	36·3	280	7·7
Dec.	1007·7	32·4	17·8	14·6	29·8	20·9	8·9	24·8	3·0	19·8	73·6	22·9	180·6	1634	6·8
Year	1009·3	...	...	...	26·6	19·6	7·0	22·7	2·6	18·3	76·2	21·1	Sum 1411·3	hrs. 33·5	5·3
Max.	1018·8 July 20	32·7 Jan. 15	...	15·9 Dec.	29·4 Jan.	...	13·0 Jan. 8	...	...	25·8 Feb. 13	100·0 June 21&30 & Feb. 27	32·9 Feb. 13	149·5 mm. ending 2h. March 24d.		10·4 Dec. 20
Min.	977·3 Jan. 3rd.	...	12·1 Sep. 16	9·1 June	...	16·5 Sept & Oct.	1·9 Jan. 3& July 9	...	...	8·0 Oct. 2	37·9 Oct, 4	10·6 Oct. 2	...		1·0 April 17 May 17 Dec. 29
Col.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Month 1924.	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.	20·3	24·96	26·63	28·00	27·74	27·53	27·40	6·5	7·16	54·7	−1·16	+2·58	65·8	2·83	3·75	17	2	3
Feb.	20·9	25·30	26·84	28·28	28·33	27·14	27·14	6·6	7·33	57·6	−1·54	+2·82	61·4	3·21	3·69	19	1	3
Mar.	20·2	25·55	26·91	27·85	27·37	27.06	26·62	6·5	7·45	60·9	−1·30	+3·50	69·6	3·73	3·90	13	0	0
Apr.	18·1	25·65	26·70	26·97	27·05	26·16	26·03	5·5	7·04	60·6	−1·78	+2·39	53·3	2·97	3·41	12	2	2
May	16·9	25·73	26·14	25·57	25·52	24·27	24·14	6·2	5·67	50·9	−1·81	+2·88	57·8	3·40	3·70	13	0	0
June	14·0	25·66	25·31	23·87	22·84	21·99	21·75	5·3	7·04	64·5	−1·23	+3·07	68·2	3·31	3·55	11	0	0
July	13·8	25·50	24·50	23·12	22·27	21·77	21·66	5·8	7·21	65·5	−1·19	+3·04	68·6	3·26	3·64	21	0	0
Aug.	14·6	25·16	24·05	22·92	22·32	22·06	21·97	6·7	6·61	58·0	−1·36	+2·90	64·8	3·20	3·75	21	0	0
Sep.	12·5	24·85	23·77	22·75	22·23	22·07	22·04	5·5	7·91	66·5	−1·40	+2·94	64·5	3·26	3·62	8	0	0
Oct.	12·7	24·67	23·77	23·54	23·18	22·94	22·86	6·3	6·83	54·6	−1·00	+1·78	60·7	2·04	2·99	13	0	0
Nov.	15·8	24·37	24·37	24·17	25·33	25·10	25·10	4·9	9·40	72·3	−0·55	+2·33	76·7	2·3[illegible]	3·07	9	0	0
Dec.	18·4	24·45	25·08	26·94	27·31	26 88	26·89	6·5	7·27	54·6	+0·41	+1·59	104·5	1·64	2·51	11	0	1
Year	16·5	25·15	25·34	25·33	25·12	24·58	24·47	6·0	7·24	61·6	−1·16	+2·65	66·4	2·89	3·46	168	5	9
Max	..	25·9 in March	27·1 Mar. 1	29·3 March 13	29·7 Jan. 1	30·2 Jan. 2	31·1 Jan. 16	10·0 in Mar Apr May	12·7 Dec. 10	99 July 31	...	...	...	...	Jan. 5	21 July & Aug.	2 Jan & Apr.	3 Jan. & Feb.
Min.	6·4 Oct. 1	24·3 in Nov.	23·4 Sept. 23	22·4 Aug. 31 & Sept. 1	21·4 in August	20·3 July 29	18·0 June 25	1.9 Jun. 8	0·0 Mar. 24 & 27 Ap. 16 May 18, July 9 & 30 Dec. 28 & 29	...	...	...	...	...	0·6 often	0	0	0
Col.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33

DAILY RAINFALL AT THE AEROLOGICAL STATION "VACOAS" DURING THE YEAR 1924.
(410 metres above sea-level)

Day \ Months	January	February	March	April	May	June	July	August	September	October	November	December
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 ...	0·0	10·5	1·0	0·0	0 0	0·0	4·0	0·0	0·0	5·0	0·0	0·0
2 ...	9·5	14·0	1·5	4·5	1·0	0·0	1·5	0·0	0·0	0·0	0·0	0·0
3 ...	2·5	0·0	4·0	2·0	8·0	0·0	0·0	0·0	1·0	0·0	0·0	2·6
4 ...	18·7	6·5	34·0	0·7	2·0	0·0	0·0	8·0	2·0	5·0	0·0	0·0
5 ...	31·0	10·0	0·5	0·0	4·5	0·5	1·0	1·5	0·0	5·0	0·0	0·0
6 ...	0·0	38·5	1·0	4·0	0·5	7·0	8·0	57·0	1·0	1·5	0·5	0·0
7 ...	0·0	3.5	5·0	0·0	1·5	0·5	6·5	33·0	0·0	3·0	0·0	0·0
8 ...	0·0	0·0	31·0	21·0	1·0	0·5	6·5	3·5	1·0	4·5	0·0	0·0
9 ...	0·0	31·0	4·5	1·0	3·5	1.0	7·5	3·0	1·5	0·5	0·3	0·0
10 ...	0·0	53·0	1·0	0·0	27·0	0.0	12·5	15·0	5·0	6·0	0·0	0·0
11 ...	0·0	0·0	1·7	0·0	8·0	0.0	0·5	7.0	5·0	0·0	0·0	0·0
12 ...	6·0	56·0	0·0	0·0	4·0	10.5	1·5	13·0	0·0	11·0	0·0	0·0
13 ...	0·0	66.5	0 0	1·5	16·5	0·0	1·0	3·0	0·0	0·0	6·2	0·0
14 ...	0·0	114·0	0 0	5·0	1·0	0·0	4·5	9·5	5·0	0·0	0·0	0·0
15 ...	0·0	32·0	0·0	6·0	5·5	10·5	20·5	2·5	0·0	5·0	10·7	2·0
16 ...	0·0	2·0	0·0	25·5	1·5	1·0	11·0	13·5	0·0	0·0	0 5	0·0
17 ...	0·0	15·0	0·0	0·0	29·0	1·0	0·0	1·0	3·0	4·5	1·7	3·5
18 ..	4·0	13·5	0·0	4·0	62·5	1·0	0·0	4·0	0·0	5·0	6·5	0·0
19 ...	56·0	26·0	1·5	0·5	9·0	0·5	0·0	4·0	2·0	58·5	5·4	0·0
20 ...	81·0	58·0	0·0	8·5	1·5	0·5	0·0	1·0	3·5	0·0	0·0	0·0
21 ...	18·0	26·0	0·0	25·0	0·0	0·5	4·0	4·5	5·0	17·5	0·0	14·5
22 ...	1·7	6.0	0·7	11·0	1·5	2·0	4·0	6·5	4·5	0·0	0·0	0·0
23 ...	9·7	5·0	107.5	3·0	0·0	7·0	2·0	0·0	5·0	0·0	0·0	3·0
24 ...	3·5	2·5	110·0	2·5	4·5	14·0	0·0	0·0	3·0	0·0	0·0	58·0
25 ...	0·0	2·5	24·0	3·0	0·0	5·5	0·5	0·0	6·0	0·0	0·0	3·0
26 ...	16·5	2·5	0·5	1·5	3·0	1·0	3·0	2·0	2·5	0·0	2·5	11·0
27 ...	1·0	11·5	2·0	2·0	0·0	7·0	1·5	1·5	1·5	0·0	1·5	41·0
28 ...	13·0	4·5	15·0	0·5	0·0	1·0	3·5	5·0	0·0	2·5	0·0	43·0
29 ...	3·0	0·5	8·0	0·0	0·0	1·5	2·0	15·0	0·0	0.0	0·0	71·0
30 ...	39·5		2·5	0·0	3·5	6·5	0·5	6·5	5·0	0·0	0·0	19·0
31 ...	35·0		5·0		1·5		0·0	11·0		3·5		0·0
Total ...	349·6	611 0	361·9	132·7	201·5	80·5	107·5	231·5	62·5	137·5	35·8	271.6

The rain is measured at 6 a.m. For the year = 2583·6 mm.

MEAN MONTHLY VALUES OF THE MAGNETIC ELEMENTS 1924

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.	Horizontal Force. (Unit 1 γ.)	Vertic Force (Unit 1 γ.)
	° ′				° ′						
January... ...	10.54·80	·22973	·30003	·37788	52.33·54	·22557	—·04350	.30003	7·21	39·0	16·3
February ...	10.57·13	·22952	·29970	.37750	52.33·27	·22534	—·04360	·29970	6·88	27·9	20·0
March	10.57·09	·22966	·29959	·37749	52.31·65	·22548	—·04363	·29959	6·11	30·8	17·6
April	10.58·37	·22948	·29953	·37733	52.32·61	·22528	—·04369	·29953	5·04	31·6	15·7
May	10.59·30	·22946	·29950	·37731	52.32·61	·22525	—·04374	·29950	4·42	37·5	16·2
June	10.59·79	·22946	·29947	·37727	52.32·37	·22523	—·04376	·29947	4·14	36·2	15·8
July	11.00·45	·22944	·29939	·37720	52.32·07	·22522	—·04381	·29939	4·31	32·4	15·4
August	11.01·28	·22946	·29930	·37713	52.31·45	·22524	—·04388	·29930	6·39	28·6	25·2
September ...	11·00·67	·22926	·29916	·37690	52.32·11	·22504	—·04379	·29916	6·47	35·4	26·5
October	11.01·17	·22926	·29911	·37686	52.31·85	·22503	—·04382	·29911	7·34	33.0	23·8
November ...	11.02·40	·22925	·29904	·37680	52.31·54	·22501	—·04390	·29904	7·53	27·0	19·4
December ...	11.03·55	·22923	·29903	·37678	52.31·62	·22497	—·04398	·29903	6·01	28·6	15·2
For the year* ...	10,59·67	·22943	·29940	·37720	52.32·22	·22522	—·04376	·29940	5·99	33·2	18.9

* Mean of the twelve monthly values.